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June 2011

# State Energy Consumption Estimates

## 1960 Through 2009

Independent Statistics & Analysis
U.S. Energy Information Administration

# 2009 Consumption Summary Tables

## Table C1. Energy Consumption Overview: Estimates by Energy Source and End-Use Sector, 2009
(Trillion Btu)

| State | Total Energy [b] | Sources | | | | | | | | End-Use Sectors [a] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fossil Fuels | | | | Nuclear Electric Power | Renewable Energy [e] | Net Interstate Flow of Electricity/ Losses [f] | Net Electricity Imports | | | | |
| | | Coal | Natural Gas [c] | Petroleum [d] | Total | | | | | Residential | Commercial | Industrial [b] | Transportation |
| Alabama | 1,906.8 | 631.0 | 473.9 | 583.9 | 1,688.8 | 415.4 | 272.9 | -470.3 | 0.0 | 383.2 | 266.0 | 788.5 | 469.2 |
| Alaska | 630.4 | 14.5 | 344.0 | 255.7 | 614.1 | 0.0 | 16.3 | 0.0 | (s) | 53.4 | 61.0 | 325.4 | 190.6 |
| Arizona | 1,454.3 | 413.3 | 376.7 | 520.8 | 1,310.8 | 320.7 | 103.5 | -279.9 | -0.8 | 400.8 | 352.1 | 207.8 | 493.6 |
| Arkansas | 1,054.8 | 264.1 | 248.1 | 343.1 | 855.3 | 158.7 | 126.5 | -85.7 | 0.0 | 226.3 | 167.0 | 372.5 | 289.0 |
| California | 8,005.5 | 52.4 | 2,391.4 | 3,508.3 | 5,952.1 | 332.2 | 712.7 | 999.9 | 8.6 | 1,527.3 | 1,578.7 | 1,770.0 | 3,129.5 |
| Colorado | 1,452.2 | 350.2 | 522.4 | 471.8 | 1,344.4 | 0.0 | 75.3 | 32.5 | (s) | 332.7 | 291.8 | 409.9 | 417.9 |
| Connecticut | 788.4 | 26.3 | 187.8 | 341.3 | 555.3 | 174.2 | 38.2 | 12.5 | 8.2 | 262.4 | 197.6 | 83.6 | 244.9 |
| Delaware | 254.7 | 33.9 | 51.7 | 91.4 | 177.0 | 0.0 | 5.8 | 71.9 | 0.0 | 64.2 | 59.3 | 60.3 | 70.8 |
| Dist. of Col. | 182.4 | 0.3 | 33.5 | 19.2 | 53.0 | 0.0 | 0.6 | 128.7 | 0.0 | 34.8 | 124.5 | 3.9 | 19.2 |
| Florida | 4,295.2 | 581.5 | 1,081.8 | 1,623.6 | 3,286.9 | 304.6 | 273.5 | 430.1 | 0.0 | 1,294.3 | 1,061.6 | 486.6 | 1,452.7 |
| Georgia | 2,949.3 | 723.4 | 475.4 | 1,027.5 | 2,226.3 | 331.4 | 215.4 | 176.2 | 0.0 | 723.2 | 553.3 | 720.0 | 952.9 |
| Hawaii | 269.8 | 19.0 | 0.2 | 230.7 | 249.8 | 0.0 | 20.0 | 0.0 | 0.0 | 35.7 | 42.1 | 63.3 | 128.8 |
| Idaho | 509.0 | 8.4 | 86.8 | 151.0 | 246.3 | 0.0 | 141.6 | 121.2 | -0.2 | 129.9 | 84.3 | 169.9 | 125.0 |
| Illinois | 3,815.1 | 1,015.0 | 946.4 | 1,243.3 | 3,204.7 | 998.7 | 172.7 | -561.0 | (s) | 943.9 | 773.6 | 1,108.0 | 989.6 |
| Indiana | 2,622.6 | 1,365.4 | 511.0 | 767.9 | 2,644.2 | 0.0 | 119.4 | -140.9 | -0.1 | 523.1 | 357.2 | 1,150.1 | 592.3 |
| Iowa | 1,418.5 | 444.6 | 284.0 | 415.4 | 1,144.0 | 48.9 | 291.5 | -66.0 | 0.0 | 234.6 | 198.5 | 682.5 | 302.9 |
| Kansas | 1,084.3 | 356.1 | 289.4 | 384.0 | 1,029.5 | 91.7 | 66.0 | -102.9 | (s) | 225.2 | 197.1 | 386.0 | 276.0 |
| Kentucky | 1,876.6 | 937.1 | 214.0 | 663.2 | 1,814.3 | 0.0 | 80.1 | -17.8 | 0.0 | 358.1 | 242.3 | 811.1 | 465.2 |
| Louisiana | 3,366.3 | 252.5 | 1,300.3 | 1,374.5 | 2,927.3 | 175.5 | 118.2 | 145.3 | 0.0 | 358.1 | 282.2 | 2,079.2 | 646.8 |
| Maine | 430.5 | 1.7 | 73.0 | 200.8 | 275.5 | 0.0 | 144.9 | 3.3 | 6.8 | 94.0 | 73.3 | 139.7 | 123.5 |
| Maryland | 1,429.3 | 266.9 | 204.4 | 527.0 | 998.3 | 152.2 | 60.7 | 218.2 | 0.0 | 403.7 | 403.5 | 155.3 | 466.9 |
| Massachusetts | 1,426.0 | 92.1 | 408.6 | 575.7 | 1,076.3 | 56.4 | 61.7 | 216.0 | 15.6 | 439.5 | 289.8 | 243.1 | 453.7 |
| Michigan | 2,696.6 | 735.9 | 746.8 | 825.6 | 2,308.3 | 228.6 | 158.4 | -17.9 | 19.2 | 753.8 | 595.1 | 611.8 | 735.9 |
| Minnesota | 1,809.5 | 328.7 | 405.5 | 604.3 | 1,338.5 | 129.6 | 199.8 | 114.9 | 26.6 | 408.1 | 352.3 | 576.7 | 472.4 |
| Mississippi | 1,138.7 | 141.7 | 371.3 | 407.5 | 920.5 | 115.0 | 55.9 | 47.2 | 0.0 | 227.8 | 165.2 | 388.9 | 356.8 |
| Missouri | 1,817.8 | 765.6 | 266.5 | 658.0 | 1,690.1 | 107.2 | 83.2 | -64.9 | 2.2 | 507.3 | 397.8 | 348.1 | 564.7 |
| Montana | 411.5 | 172.8 | 76.4 | 171.9 | 421.1 | 0.0 | 119.9 | -128.6 | -1.0 | 87.8 | 77.6 | 140.0 | 106.0 |
| Nebraska | 759.1 | 249.6 | 164.9 | 210.3 | 624.8 | 98.7 | 87.5 | -51.9 | (s) | 153.1 | 134.3 | 301.0 | 170.7 |
| Nevada | 707.6 | 83.8 | 283.7 | 242.7 | 610.3 | 0.0 | 54.6 | 42.8 | -0.1 | 172.7 | 128.6 | 191.1 | 215.1 |
| New Hampshire | 303.0 | 32.8 | 62.0 | 158.8 | 253.6 | 92.2 | 44.5 | -90.8 | 3.5 | 88.1 | 69.7 | 39.4 | 105.8 |
| New Jersey | 2,393.6 | 59.6 | 638.4 | 1,078.6 | 1,776.5 | 359.1 | 54.8 | 203.2 | 0.0 | 576.8 | 623.6 | 291.6 | 901.6 |
| New Mexico | 670.1 | 306.2 | 247.1 | 247.3 | 800.6 | 0.0 | 35.6 | -165.9 | -0.3 | 118.0 | 122.4 | 227.4 | 202.4 |
| New York | 3,818.5 | 156.0 | 1,166.1 | 1,423.4 | 2,745.5 | 454.8 | 445.2 | 139.5 | 33.4 | 1,128.0 | 1,233.2 | 366.0 | 1,091.3 |
| North Carolina | 2,545.4 | 678.7 | 250.6 | 839.6 | 1,768.9 | 427.3 | 179.2 | 170.1 | 0.0 | 712.3 | 578.3 | 546.7 | 708.2 |
| North Dakota | 426.8 | 423.3 | 51.9 | 125.7 | 600.9 | 0.0 | 63.8 | -240.4 | 2.5 | 66.1 | 62.9 | 210.1 | 87.6 |
| Ohio | 3,633.7 | 1,267.3 | 768.3 | 1,165.2 | 3,200.8 | 159.1 | 114.1 | 159.7 | (s) | 906.0 | 678.0 | 1,124.4 | 925.2 |
| Oklahoma | 1,490.6 | 373.3 | 678.3 | 488.7 | 1,540.3 | 0.0 | 89.2 | -138.9 | 0.0 | 303.9 | 247.4 | 518.6 | 420.6 |
| Oregon | 1,066.5 | 33.2 | 254.7 | 361.7 | 649.6 | 0.0 | 416.9 | -0.9 | 1.0 | 274.3 | 208.3 | 252.1 | 331.8 |
| Pennsylvania | 3,654.1 | 1,223.9 | 833.7 | 1,280.6 | 3,338.2 | 808.8 | 155.4 | -649.0 | 0.6 | 918.6 | 685.2 | 1,071.8 | 978.5 |
| Rhode Island | 219.3 | 0.0 | 94.9 | 95.8 | 190.7 | 0.0 | 6.5 | 19.6 | 2.5 | 69.2 | 56.6 | 29.6 | 63.8 |
| South Carolina | 1,581.0 | 372.0 | 197.0 | 541.8 | 1,110.8 | 545.5 | 122.9 | -198.2 | 0.0 | 352.0 | 256.6 | 516.0 | 456.4 |
| South Dakota | 359.9 | 37.5 | 66.3 | 116.6 | 220.4 | 0.0 | 106.5 | 32.9 | (s) | 69.4 | 60.4 | 138.6 | 91.5 |
| Tennessee | 2,136.0 | 477.7 | 222.6 | 752.0 | 1,452.3 | 282.0 | 196.8 | 204.9 | 0.0 | 515.4 | 362.5 | 666.5 | 591.6 |
| Texas | 11,297.4 | 1,497.9 | 3,462.2 | 5,445.7 | 10,405.7 | 434.1 | 356.6 | 100.6 | 0.4 | 1,611.5 | 1,459.6 | 5,502.2 | 2,724.2 |
| Utah | 754.5 | 365.0 | 223.6 | 266.9 | 855.5 | 0.0 | 21.4 | -122.3 | -0.1 | 165.1 | 152.3 | 201.5 | 235.6 |
| Vermont | 158.1 | 0.0 | 8.7 | 82.2 | 90.9 | 56.1 | 29.1 | -26.7 | 8.7 | 48.3 | 31.8 | 24.4 | 53.5 |
| Virginia | 2,385.8 | 334.6 | 330.3 | 834.0 | 1,498.9 | 295.1 | 144.9 | 446.9 | 0.0 | 610.6 | 589.7 | 440.0 | 745.5 |
| Washington | 2,032.9 | 84.0 | 319.4 | 756.6 | 1,160.1 | 69.4 | 846.8 | -22.2 | -21.1 | 502.4 | 389.8 | 529.2 | 611.5 |
| West Virginia | 715.6 | 742.9 | 113.9 | 212.6 | 1,069.4 | 0.0 | 41.3 | -395.1 | 0.0 | 165.2 | 111.3 | 274.0 | 165.1 |
| Wisconsin | 1,744.6 | 425.9 | 392.5 | 532.1 | 1,350.5 | 132.7 | 161.4 | 100.0 | 0.0 | 418.8 | 346.9 | 548.4 | 430.4 |
| Wyoming | 520.3 | 473.9 | 145.7 | 164.9 | 784.6 | 0.0 | 36.0 | -300.1 | -0.1 | 47.7 | 61.3 | 290.2 | 121.1 |
| United States | 94,446.9 | 19,693.2 | 23,348.2 | 35,411.4 | 78,429.0 | 8,356.0 | 7,545.7 | 0.0 | 116.2 | 21,026.6 | 17,895.6 | 28,559.0 | 26,965.6 |

[a] End-use sector estimates include electricity sales and associated electrical system energy losses.
[b] U.S. total energy and U.S. industrial sector include -23.8 trillion Btu of net imports of coal coke that is not allocated to the States.
[c] Excludes supplemental gaseous fuels.
[d] Excludes fuel ethanol blended into motor gasoline. Fuel ethanol is included in "Renewable Energy."
[e] Includes: Conventional hydroelectric power, biomass (wood and biomass waste, fuel ethanol, and losses and co-products from fuel ethanol production), geothermal, solar thermal and photovoltaic, and wind energy.
[f] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

Where shown, (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C2. Energy Consumption Estimates for Major Energy Sources in Physical Units, 2009

| State | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Million Short Tons | Billion Cubic Feet | Million Barrels | | | | | | | Billion Kilowatthours | | Million Barrels |
| Alabama | 29.9 | 461.9 | 24.4 | 1.7 | 3.7 | 62.8 | 0.9 | 16.1 | 109.7 | 39.7 | 12.5 | 2.6 |
| Alaska | 1.0 | 342.3 | 14.5 | 18.7 | 0.4 | 6.7 | 0.5 | 4.5 | 45.4 | 0.0 | 1.3 | 0.6 |
| Arizona | 21.2 | 368.9 | 24.6 | 5.7 | 2.1 | 63.6 | 0.0 | 4.0 | 99.9 | 30.7 | 6.4 | 5.6 |
| Arkansas | 15.3 | 244.2 | 22.0 | 0.8 | 2.9 | 34.8 | 0.1 | 4.1 | 64.8 | 15.2 | 4.2 | 1.7 |
| California | 2.2 | 2,328.5 | 90.4 | 98.0 | 17.1 | 357.7 | 38.6 | 55.3 | 657.2 | 31.8 | 27.9 | 23.6 |
| Colorado | 17.8 | 520.2 | 18.9 | 10.8 | 5.6 | 50.0 | (s) | 4.4 | 89.8 | 0.0 | 1.9 | 2.4 |
| Connecticut | 1.2 | 184.3 | 22.6 | 1.4 | 3.2 | 36.3 | 0.8 | 1.4 | 65.7 | 16.7 | 0.5 | 3.5 |
| Delaware | 1.4 | 50.2 | 3.0 | 0.1 | 1.4 | 10.6 | 1.5 | 1.1 | 17.7 | 0.0 | 0.0 | 0.9 |
| Dist. of Col. | (s) | 32.4 | 0.9 | 0.0 | (s) | 2.7 | 0.0 | 0.1 | 3.7 | 0.0 | 0.0 | 0.2 |
| Florida | 24.4 | 1,055.4 | 46.4 | 31.5 | 5.5 | 200.6 | 13.8 | 13.0 | 310.8 | 29.1 | 0.2 | 17.0 |
| Georgia | 33.8 | 462.9 | 38.2 | 18.0 | 5.4 | 117.8 | 7.3 | 9.4 | 196.1 | 31.7 | 3.3 | 9.9 |
| Hawaii | 0.9 | 2.6 | 6.1 | 8.3 | 0.8 | 10.8 | 12.4 | 2.4 | 40.8 | 0.0 | 0.1 | 1.1 |
| Idaho | 0.4 | 84.9 | 8.7 | 0.6 | 1.4 | 15.8 | (s) | 2.0 | 28.4 | 0.0 | 10.4 | 0.8 |
| Illinois | 57.2 | 946.0 | 43.4 | 25.0 | 20.1 | 118.4 | (s) | 32.6 | 239.6 | 95.5 | 0.1 | 11.2 |
| Indiana | 63.8 | 506.6 | 35.6 | 7.5 | 8.1 | 73.6 | 0.2 | 21.2 | 146.2 | 0.0 | 0.5 | 7.0 |
| Iowa | 25.6 | 315.2 | 22.0 | 0.5 | 17.8 | 39.7 | 0.0 | 3.5 | 83.6 | 4.7 | 1.0 | 2.3 |
| Kansas | 20.9 | 284.0 | 17.9 | 2.4 | 16.3 | 31.5 | (s) | 8.5 | 76.8 | 8.8 | (s) | 2.5 |
| Kentucky | 41.0 | 206.5 | 27.7 | 9.8 | 8.6 | 53.4 | 0.1 | 25.6 | 125.3 | 0.0 | 3.3 | 4.9 |
| Louisiana | 15.7 | 1,263.6 | 32.7 | 16.1 | 58.5 | 54.7 | 16.4 | 86.2 | 264.6 | 16.8 | 1.2 | 3.1 |
| Maine | 0.1 | 69.8 | 13.3 | 1.2 | 3.1 | 16.0 | 3.6 | 0.8 | 38.0 | 0.0 | 4.2 | 1.5 |
| Maryland | 10.7 | 197.3 | 19.7 | 3.3 | 3.2 | 69.4 | 1.1 | 5.0 | 101.7 | 14.6 | 1.9 | 5.2 |
| Massachusetts | 3.9 | 395.9 | 30.0 | 6.2 | 2.8 | 66.6 | 2.7 | 1.9 | 110.2 | 5.4 | 1.2 | 5.6 |
| Michigan | 37.4 | 731.5 | 25.8 | 4.3 | 11.8 | 110.0 | 0.4 | 11.3 | 163.6 | 21.9 | 1.4 | 10.2 |
| Minnesota | 18.6 | 394.1 | 23.7 | 9.2 | 10.6 | 60.8 | 0.4 | 12.5 | 117.2 | 12.4 | 0.8 | 6.1 |
| Mississippi | 8.5 | 364.4 | 19.9 | 4.9 | 3.4 | 37.6 | 0.8 | 9.4 | 75.9 | 11.0 | 0.0 | 2.0 |
| Missouri | 43.6 | 264.6 | 29.4 | 3.6 | 9.3 | 76.4 | (s) | 8.7 | 127.4 | 10.2 | 1.8 | 5.4 |
| Montana | 10.2 | 75.6 | 10.2 | 0.8 | 2.7 | 11.9 | 0.1 | 6.3 | 32.0 | 0.0 | 9.5 | 0.8 |
| Nebraska | 14.6 | 163.0 | 14.7 | 0.7 | 3.7 | 19.9 | (s) | 1.2 | 40.4 | 9.4 | 0.4 | 1.3 |
| Nevada | 4.0 | 275.2 | 12.0 | 4.9 | 1.2 | 26.5 | 0.0 | 1.5 | 46.2 | 0.0 | 2.5 | 2.1 |
| New Hampshire | 1.2 | 59.9 | 7.7 | 0.3 | 3.6 | 17.2 | 1.0 | 1.2 | 31.1 | 8.8 | 1.7 | 1.3 |
| New Jersey | 2.5 | 620.9 | 29.3 | 34.4 | 2.3 | 101.2 | 11.6 | 23.0 | 201.7 | 34.3 | (s) | 9.3 |
| New Mexico | 16.6 | 240.4 | 12.8 | 1.3 | 6.4 | 23.1 | (s) | 4.2 | 47.8 | 0.0 | 0.3 | 1.2 |
| New York | 7.0 | 1,142.2 | 65.8 | 16.8 | 8.3 | 136.3 | 24.8 | 14.7 | 266.7 | 43.5 | 27.6 | 12.0 |
| North Carolina | 27.5 | 245.0 | 31.3 | 1.9 | 12.2 | 105.9 | 2.7 | 11.1 | 165.0 | 40.8 | 5.2 | 9.0 |
| North Dakota | 31.2 | 54.6 | 9.6 | 0.7 | 2.9 | 8.9 | (s) | 1.8 | 24.1 | 0.0 | 1.5 | 0.8 |
| Ohio | 54.9 | 738.6 | 47.1 | 12.7 | 9.2 | 119.7 | 0.3 | 32.9 | 221.9 | 15.2 | 0.5 | 11.4 |
| Oklahoma | 21.6 | 656.7 | 25.0 | 6.4 | 2.8 | 44.1 | 0.3 | 12.6 | 91.2 | 0.0 | 3.6 | 3.5 |
| Oregon | 1.9 | 248.8 | 18.6 | 6.5 | 1.8 | 37.0 | 0.9 | 3.6 | 68.4 | 0.0 | 33.0 | 3.3 |
| Pennsylvania | 55.1 | 804.1 | 59.8 | 12.5 | 15.5 | 121.8 | 4.2 | 29.8 | 243.7 | 77.3 | 2.7 | 10.7 |
| Rhode Island | 0.0 | 92.8 | 5.7 | 0.7 | 0.4 | 9.5 | 0.6 | 1.2 | 18.1 | 0.0 | (s) | 1.1 |
| South Carolina | 15.0 | 190.5 | 19.0 | 1.1 | 2.7 | 65.6 | 2.9 | 12.5 | 103.7 | 52.1 | 2.3 | 5.4 |
| South Dakota | 2.2 | 66.2 | 7.4 | 0.7 | 2.7 | 10.7 | (s) | 1.2 | 22.7 | 0.0 | 4.4 | 1.0 |
| Tennessee | 22.1 | 216.5 | 25.2 | 11.2 | 3.3 | 75.4 | (s) | 28.6 | 143.8 | 27.0 | 10.2 | 7.6 |
| Texas | 96.3 | 3,384.4 | 132.1 | 61.8 | 418.5 | 289.5 | 24.3 | 216.2 | 1,142.4 | 41.5 | 1.0 | 19.3 |
| Utah | 16.6 | 214.2 | 13.0 | 5.8 | 1.1 | 25.1 | 0.1 | 4.4 | 49.6 | 0.0 | 0.8 | 1.3 |
| Vermont | 0.0 | 8.6 | 4.9 | 0.5 | 2.4 | 8.0 | 0.2 | 0.3 | 16.3 | 5.4 | 1.5 | 0.7 |
| Virginia | 13.4 | 319.1 | 34.3 | 15.7 | 5.6 | 94.5 | 3.0 | 7.1 | 160.3 | 28.2 | 1.5 | 8.6 |
| Washington | 5.1 | 310.1 | 25.3 | 18.3 | 4.3 | 64.8 | 7.5 | 20.7 | 140.9 | 6.6 | 72.9 | 5.9 |
| West Virginia | 31.1 | 105.3 | 13.6 | 0.2 | 1.2 | 20.1 | 0.1 | 4.8 | 40.0 | 0.0 | 1.6 | 1.7 |
| Wisconsin | 23.8 | 387.1 | 23.8 | 2.5 | 8.9 | 60.1 | 0.1 | 8.6 | 104.0 | 12.7 | 1.4 | 5.8 |
| Wyoming | 27.1 | 141.3 | 15.0 | 0.4 | 1.5 | 8.5 | (s) | 4.4 | 29.9 | 0.0 | 1.0 | 0.4 |
| United States | 997.5 | 22,839.2 | 1,325.3 | 508.5 | 748.7 | 3,283.7 | 186.6 | 798.7 | 6,851.6 | 798.9 | 273.4 | 262.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
Where shown, (s) = Value less than 0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C3. Primary Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| Alabama | 631.0 | 473.9 | 142.3 | 9.9 | 13.2 | 318.5 | 5.5 | 94.5 | 583.9 | 1,688.8 | *473.9* | *327.6* |
| Alaska | 14.5 | 344.0 | 84.7 | 106.3 | 1.5 | 33.1 | 3.5 | 26.7 | 255.7 | 614.1 | *344.0* | *35.1* |
| Arizona | 413.3 | 376.7 | 143.4 | 32.3 | 7.3 | 312.4 | 0.0 | 25.5 | 520.8 | 1,310.8 | *376.7* | *331.8* |
| Arkansas | 264.1 | 248.1 | 127.9 | 4.5 | 10.5 | 175.6 | 0.8 | 23.9 | 343.1 | 855.3 | *248.1* | *181.6* |
| California | 52.4 | 2,391.4 | 526.7 | 555.6 | 60.9 | 1,784.8 | 242.7 | 337.6 | 3,508.3 | 5,952.1 | *2,391.4* | *1,866.5* |
| Colorado | 350.2 | 522.4 | 110.1 | 61.5 | 19.9 | 252.7 | (s) | 27.5 | 471.8 | 1,344.4 | *530.1* | *261.2* |
| Connecticut | 26.3 | 187.8 | 131.5 | 8.0 | 11.4 | 177.5 | 5.0 | 8.0 | 341.3 | 555.3 | *187.8* | *189.6* |
| Delaware | 33.9 | 51.7 | 17.5 | 0.5 | 4.9 | 52.3 | 9.3 | 7.0 | 91.4 | 177.0 | *51.7* | *55.3* |
| Dist. of Col. | 0.3 | 33.5 | 5.3 | 0.0 | (s) | 13.5 | 0.0 | 0.4 | 19.2 | 53.0 | *33.5* | *14.0* |
| Florida | 581.5 | 1,081.8 | 270.2 | 178.5 | 19.7 | 987.6 | 86.8 | 80.9 | 1,623.6 | 3,286.9 | *1,081.8* | *1,046.6* |
| Georgia | 723.4 | 475.4 | 222.3 | 102.2 | 19.2 | 580.6 | 45.9 | 57.4 | 1,027.5 | 2,226.3 | *475.4* | *614.9* |
| Hawaii | 19.0 | 0.2 | 35.6 | 47.0 | 2.9 | 52.5 | 78.2 | 14.4 | 230.7 | 249.8 | *2.7* | *56.1* |
| Idaho | 8.4 | 86.8 | 50.5 | 3.3 | 5.0 | 79.5 | 0.1 | 12.7 | 151.0 | 246.3 | *86.8* | *82.2* |
| Illinois | 1,015.0 | 946.4 | 253.0 | 141.6 | 71.7 | 578.8 | 0.2 | 198.2 | 1,243.3 | 3,204.7 | *958.3* | *617.6* |
| Indiana | 1,365.4 | 511.0 | 207.5 | 42.3 | 28.9 | 359.6 | 1.2 | 128.4 | 767.9 | 2,644.2 | *514.2* | *384.0* |
| Iowa | 444.6 | 284.0 | 128.4 | 3.0 | 63.4 | 199.2 | 0.0 | 21.4 | 415.4 | 1,144.0 | *317.4* | *207.1* |
| Kansas | 356.1 | 289.4 | 104.5 | 13.9 | 57.9 | 155.8 | 0.3 | 51.6 | 384.0 | 1,029.5 | *289.4* | *164.6* |
| Kentucky | 937.1 | 214.0 | 161.4 | 55.8 | 30.6 | 262.0 | 0.4 | 153.0 | 663.2 | 1,814.3 | *214.0* | *278.8* |
| Louisiana | 252.5 | 1,300.3 | 190.7 | 91.1 | 208.0 | 274.5 | 103.3 | 506.9 | 1,374.5 | 2,927.3 | *1,300.3* | *285.4* |
| Maine | 1.7 | 73.0 | 77.4 | 7.0 | 10.9 | 78.2 | 22.6 | 4.6 | 200.8 | 275.5 | *73.0* | *83.4* |
| Maryland | 266.9 | 204.4 | 114.9 | 19.0 | 11.5 | 343.8 | 6.7 | 31.2 | 527.0 | 998.3 | *204.6* | *361.9* |
| Massachusetts | 92.1 | 408.6 | 175.0 | 35.2 | 10.0 | 328.2 | 16.7 | 10.7 | 575.7 | 1,076.3 | *408.6* | *347.7* |
| Michigan | 735.9 | 746.8 | 150.5 | 24.2 | 42.1 | 538.7 | 2.5 | 67.7 | 825.6 | 2,308.3 | *746.8* | *574.0* |
| Minnesota | 328.7 | 405.5 | 138.1 | 52.2 | 37.7 | 296.0 | 2.8 | 77.6 | 604.3 | 1,338.5 | *405.6* | *317.2* |
| Mississippi | 141.7 | 371.3 | 116.1 | 27.5 | 12.0 | 189.1 | 5.1 | 57.8 | 407.5 | 920.5 | *371.3* | *196.1* |
| Missouri | 765.6 | 266.5 | 171.3 | 20.6 | 32.9 | 379.9 | 0.2 | 53.0 | 658.0 | 1,690.1 | *266.5* | *398.5* |
| Montana | 172.8 | 76.4 | 59.7 | 4.5 | 9.5 | 59.3 | 0.4 | 38.5 | 171.9 | 421.1 | *76.4* | *62.0* |
| Nebraska | 249.6 | 164.9 | 85.9 | 4.0 | 13.3 | 99.3 | (s) | 7.8 | 210.3 | 624.8 | *164.9* | *104.0* |
| Nevada | 83.8 | 283.7 | 70.1 | 27.7 | 4.4 | 131.2 | 0.0 | 9.3 | 242.7 | 610.3 | *283.7* | *138.5* |
| New Hampshire | 32.8 | 62.0 | 44.7 | 1.9 | 12.9 | 85.5 | 6.1 | 7.5 | 158.8 | 253.6 | *62.0* | *90.0* |
| New Jersey | 59.6 | 638.4 | 170.4 | 195.2 | 8.1 | 495.7 | 73.0 | 136.2 | 1,078.6 | 1,776.5 | *638.9* | *528.0* |
| New Mexico | 306.2 | 247.1 | 74.5 | 7.6 | 22.7 | 116.7 | 0.1 | 25.8 | 247.3 | 800.6 | *247.1* | *120.8* |
| New York | 156.0 | 1,166.1 | 383.3 | 95.0 | 29.7 | 669.6 | 155.9 | 89.9 | 1,423.4 | 2,745.5 | *1,166.1* | *711.2* |
| North Carolina | 678.7 | 250.6 | 182.3 | 10.5 | 43.5 | 521.2 | 16.8 | 65.3 | 839.6 | 1,768.9 | *250.6* | *552.5* |
| North Dakota | 423.3 | 51.9 | 56.1 | 3.9 | 10.5 | 43.9 | 0.2 | 11.1 | 125.7 | 600.9 | *57.6* | *46.6* |
| Ohio | 1,267.3 | 768.3 | 274.4 | 72.3 | 32.7 | 584.9 | 2.0 | 198.9 | 1,165.2 | 3,200.8 | *768.9* | *624.4* |
| Oklahoma | 373.3 | 678.3 | 145.4 | 36.6 | 10.0 | 218.2 | 2.0 | 76.6 | 488.7 | 1,540.3 | *678.3* | *230.2* |
| Oregon | 33.2 | 254.7 | 108.3 | 37.0 | 6.4 | 181.8 | 5.8 | 22.4 | 361.7 | 649.6 | *254.7* | *193.1* |
| Pennsylvania | 1,223.9 | 833.7 | 348.2 | 70.7 | 55.3 | 598.6 | 26.6 | 181.1 | 1,280.6 | 3,338.2 | *833.8* | *635.8* |
| Rhode Island | 0.0 | 94.9 | 33.2 | 3.9 | 1.4 | 45.6 | 3.6 | 8.1 | 95.8 | 190.7 | *94.9* | *49.4* |
| South Carolina | 372.0 | 197.0 | 110.6 | 6.1 | 9.6 | 323.5 | 18.1 | 74.0 | 541.8 | 1,110.8 | *197.0* | *342.2* |
| South Dakota | 37.5 | 66.3 | 42.8 | 4.0 | 9.7 | 52.4 | 0.1 | 7.6 | 116.6 | 220.4 | *66.3* | *55.8* |
| Tennessee | 477.7 | 222.6 | 147.1 | 63.4 | 11.8 | 367.2 | 0.3 | 162.3 | 752.0 | 1,452.3 | *222.6* | *393.6* |
| Texas | 1,497.9 | 3,462.2 | 769.7 | 350.5 | 1,489.2 | 1,443.6 | 152.6 | 1,240.1 | 5,445.7 | 10,405.7 | *3,462.2* | *1,510.4* |
| Utah | 365.0 | 223.6 | 75.5 | 32.6 | 4.1 | 126.8 | 0.8 | 27.0 | 266.9 | 855.5 | *223.6* | *131.2* |
| Vermont | 0.0 | 8.7 | 28.7 | 2.9 | 8.6 | 39.1 | 1.3 | 1.7 | 82.2 | 90.9 | *8.7* | *41.7* |
| Virginia | 334.6 | 330.3 | 199.6 | 89.0 | 20.0 | 463.4 | 19.2 | 42.8 | 834.0 | 1,498.9 | *330.6* | *493.2* |
| Washington | 84.0 | 319.4 | 147.3 | 103.7 | 15.4 | 317.4 | 47.2 | 125.6 | 756.6 | 1,160.1 | *319.4* | *337.9* |
| West Virginia | 742.9 | 113.9 | 79.3 | 1.1 | 4.1 | 99.1 | 0.5 | 28.4 | 212.6 | 1,069.4 | *113.9* | *104.9* |
| Wisconsin | 425.9 | 392.5 | 138.7 | 14.1 | 31.5 | 293.6 | 0.8 | 53.3 | 532.1 | 1,350.5 | *392.5* | *313.7* |
| Wyoming | 473.9 | 145.7 | 87.5 | 2.4 | 5.5 | 42.8 | 0.1 | 26.6 | 164.9 | 784.6 | *145.7* | *44.3* |
| United States | 19,693.2 | 23,348.2 | 7,720.1 | 2,883.3 | 2,664.0 | 16,224.9 | 1,172.9 | 4,746.2 | 35,411.4 | 78,429.0 | *23,414.4* | *17,134.5* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C3. Primary Energy Consumption Estimates, 2009 (Continued)
(Trillion Btu)

| State | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total [k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| Alabama | 415.4 | 122.3 | 141.2 | 9.1 | 0.0 | 150.3 | 0.1 | 0.1 | 0.0 | 272.9 | -470.3 | 0.0 | 1,906.8 |
| Alaska | 0.0 | 12.9 | 1.2 | 2.0 | 0.0 | 3.1 | 0.2 | (s) | 0.1 | 16.3 | 0.0 | (s) | 630.4 |
| Arizona | 320.7 | 62.7 | 12.9 | 19.5 | 3.1 | 35.4 | 0.3 | 4.7 | 0.3 | 103.5 | -279.9 | -0.8 | 1,454.3 |
| Arkansas | 158.7 | 40.9 | 78.8 | 6.0 | 0.0 | 84.8 | 0.7 | 0.1 | 0.0 | 126.5 | -85.7 | 0.0 | 1,054.8 |
| California | 332.2 | 272.2 | 140.2 | 81.7 | 2.8 | 224.7 | 127.5 | 31.4 | 57.0 | 712.7 | 999.9 | 8.6 | 8,005.5 |
| Colorado | 0.0 | 18.4 | 9.2 | 8.4 | 7.0 | 24.7 | 0.7 | 0.6 | 30.9 | 75.3 | 32.5 | (s) | 1,452.2 |
| Connecticut | 174.2 | 5.0 | 19.8 | 12.1 | 0.0 | 31.9 | (s) | 1.3 | 0.0 | 38.2 | 12.5 | 8.2 | 788.4 |
| Delaware | 0.0 | 0.0 | 2.3 | 3.0 | 0.0 | 5.4 | 0.4 | 0.1 | 0.0 | 5.8 | 71.9 | 0.0 | 254.7 |
| Dist. of Col. | 0.0 | 0.0 | (s) | 0.6 | 0.0 | 0.6 | 0.0 | (s) | 0.0 | 0.6 | 128.7 | 0.0 | 182.4 |
| Florida | 304.6 | 2.0 | 166.4 | 59.0 | 0.0 | 225.4 | 8.4 | 37.7 | 0.0 | 273.5 | 430.1 | 0.0 | 4,295.2 |
| Georgia | 331.4 | 31.8 | 142.9 | 34.3 | 5.6 | 182.8 | 0.3 | 0.5 | 0.0 | 215.4 | 176.2 | 0.0 | 2,949.3 |
| Hawaii | 0.0 | 1.1 | 8.4 | 3.6 | 0.0 | 12.0 | 1.6 | 2.8 | 2.5 | 20.0 | 0.0 | 0.0 | 269.8 |
| Idaho | 0.0 | 101.8 | 31.1 | 2.7 | 0.7 | 34.6 | 2.1 | (s) | 3.1 | 141.6 | 121.2 | -0.2 | 509.0 |
| Illinois | 998.7 | 1.3 | 29.4 | 38.8 | 72.1 | 140.4 | 1.7 | 1.7 | 27.5 | 172.7 | -561.0 | (s) | 3,815.1 |
| Indiana | 0.0 | 4.9 | 32.7 | 24.4 | 39.6 | 96.7 | 3.9 | 0.2 | 13.7 | 119.4 | -140.9 | -0.1 | 2,622.6 |
| Iowa | 48.9 | 9.5 | 25.5 | 7.9 | 175.0 | 208.5 | 1.0 | 0.1 | 72.4 | 291.5 | -66.0 | 0.0 | 1,418.5 |
| Kansas | 91.7 | 0.1 | 5.2 | 8.8 | 23.1 | 37.1 | 0.8 | (s) | 27.9 | 66.0 | -102.9 | (s) | 1,084.3 |
| Kentucky | 0.0 | 32.4 | 26.6 | 16.8 | 2.0 | 45.4 | 2.3 | 0.1 | 0.0 | 80.1 | -17.8 | 0.0 | 1,876.6 |
| Louisiana | 175.5 | 12.1 | 93.5 | 10.9 | 0.1 | 104.4 | 1.5 | 0.1 | 0.0 | 118.2 | 145.3 | 0.0 | 3,366.3 |
| Maine | 0.0 | 41.1 | 95.4 | 5.2 | 0.0 | 100.6 | 0.1 | 0.2 | 2.9 | 144.9 | 3.3 | 6.8 | 430.5 |
| Maryland | 152.2 | 18.4 | 23.5 | 18.1 | 0.0 | 41.6 | 0.5 | 0.2 | 0.0 | 60.7 | 218.2 | 0.0 | 1,429.3 |
| Massachusetts | 56.4 | 11.7 | 29.2 | 19.5 | 0.0 | 48.8 | 0.7 | 0.4 | 0.1 | 61.7 | 216.0 | 15.6 | 1,426.0 |
| Michigan | 228.6 | 13.4 | 89.6 | 35.3 | 12.1 | 137.0 | 4.3 | 0.7 | 2.9 | 158.4 | -17.9 | 19.2 | 2,696.6 |
| Minnesota | 129.6 | 7.9 | 66.6 | 21.3 | 53.6 | 141.4 | 0.9 | 0.3 | 49.3 | 199.8 | 114.9 | 26.6 | 1,809.5 |
| Mississippi | 115.0 | 0.0 | 45.1 | 7.0 | 3.0 | 55.2 | 0.8 | (s) | 0.0 | 55.9 | 47.2 | 0.0 | 1,138.7 |
| Missouri | 107.2 | 17.7 | 27.0 | 18.6 | 14.7 | 60.3 | 0.3 | (s) | 4.9 | 83.2 | -64.9 | 2.2 | 1,817.8 |
| Montana | 0.0 | 92.8 | 16.2 | 2.6 | 0.0 | 18.9 | 0.3 | (s) | 8.0 | 119.9 | -128.6 | -1.0 | 411.5 |
| Nebraska | 98.7 | 4.2 | 7.5 | 4.7 | 66.3 | 78.5 | 1.0 | (s) | 3.7 | 87.5 | -51.9 | (s) | 759.1 |
| Nevada | 0.0 | 24.0 | 2.8 | 7.3 | 0.0 | 10.1 | 17.3 | 3.2 | 0.0 | 54.6 | 42.8 | -0.1 | 707.6 |
| New Hampshire | 92.2 | 16.4 | 22.8 | 4.5 | 0.0 | 27.3 | (s) | 0.1 | 0.6 | 44.5 | -90.8 | 3.5 | 303.0 |
| New Jersey | 359.1 | 0.3 | 19.0 | 32.3 | 0.0 | 51.3 | 0.4 | 2.6 | 0.2 | 54.8 | 203.2 | 0.0 | 2,393.6 |
| New Mexico | 0.0 | 2.6 | 11.6 | 4.1 | 1.5 | 17.3 | 0.3 | 0.3 | 15.1 | 35.6 | -165.9 | -0.3 | 670.1 |
| New York | 454.8 | 269.5 | 106.3 | 41.6 | 2.8 | 150.7 | 1.0 | 1.8 | 22.1 | 445.2 | 139.5 | 33.4 | 3,818.5 |
| North Carolina | 427.3 | 50.5 | 96.3 | 31.2 | 0.0 | 127.5 | 0.8 | 0.4 | 0.0 | 179.2 | 170.1 | 0.0 | 2,545.4 |
| North Dakota | 0.0 | 14.4 | 1.9 | 2.8 | 14.7 | 19.3 | 0.8 | (s) | 29.3 | 63.8 | -240.4 | 2.5 | 426.8 |
| Ohio | 159.1 | 5.2 | 51.2 | 39.5 | 14.8 | 105.5 | 2.9 | 0.4 | 0.1 | 114.1 | 159.7 | (s) | 3,633.7 |
| Oklahoma | 0.0 | 34.7 | 16.1 | 12.0 | 0.0 | 28.1 | (s) | (s) | 26.3 | 89.2 | -138.9 | 0.0 | 1,490.6 |
| Oregon | 0.0 | 322.4 | 43.1 | 11.3 | 3.3 | 57.6 | 1.1 | 1.9 | 33.9 | 416.9 | -0.9 | 1.0 | 1,066.5 |
| Pennsylvania | 808.8 | 26.2 | 78.7 | 37.1 | 0.0 | 115.9 | 1.8 | 1.1 | 10.5 | 155.4 | -649.0 | 0.6 | 3,654.1 |
| Rhode Island | 0.0 | (s) | 2.5 | 3.8 | 0.0 | 6.4 | (s) | 0.1 | 0.0 | 6.5 | 19.6 | 2.5 | 219.3 |
| South Carolina | 545.5 | 22.8 | 80.8 | 18.7 | 0.0 | 99.6 | 0.6 | (s) | 0.0 | 122.9 | -198.2 | 0.0 | 1,581.0 |
| South Dakota | 0.0 | 43.3 | 1.6 | 3.4 | 52.6 | 57.6 | 1.6 | (s) | 4.1 | 106.5 | 32.9 | (s) | 359.9 |
| Tennessee | 282.0 | 99.7 | 60.4 | 26.4 | 9.6 | 96.4 | 0.2 | (s) | 0.5 | 196.8 | 204.9 | 0.0 | 2,136.0 |
| Texas | 434.1 | 10.0 | 72.1 | 66.7 | 9.4 | 148.3 | 2.1 | 0.8 | 195.5 | 356.6 | 100.6 | 0.4 | 11,297.4 |
| Utah | 0.0 | 8.2 | 3.8 | 4.3 | 0.0 | 8.1 | 3.5 | 0.1 | 1.6 | 21.4 | -122.3 | -0.1 | 754.5 |
| Vermont | 56.1 | 14.5 | 11.8 | 2.6 | 0.0 | 14.3 | (s) | 0.1 | 0.1 | 29.1 | -26.7 | 8.7 | 158.1 |
| Virginia | 295.1 | 14.4 | 98.5 | 29.8 | 0.0 | 128.3 | 1.4 | 0.7 | 0.0 | 144.9 | 446.9 | 0.0 | 2,385.8 |
| Washington | 69.4 | 711.8 | 78.5 | 20.5 | 0.0 | 99.0 | 0.9 | 0.2 | 34.9 | 846.8 | -22.2 | -21.1 | 2,032.9 |
| West Virginia | 0.0 | 16.1 | 12.2 | 5.8 | 0.0 | 17.9 | (s) | 0.1 | 7.2 | 41.3 | -395.1 | 0.0 | 715.6 |
| Wisconsin | 132.7 | 13.6 | 90.5 | 20.1 | 26.0 | 136.7 | 0.5 | 0.3 | 10.3 | 161.4 | 100.0 | 0.0 | 1,744.6 |
| Wyoming | 0.0 | 9.4 | 2.4 | 1.5 | 0.4 | 4.2 | 0.6 | (s) | 21.7 | 36.0 | -300.1 | -0.1 | 520.3 |
| United States | 8,356.0 | 2,668.8 | 2,332.2 | 909.6 | 616.0 | 3,857.8 | 200.2 | 97.8 | 721.1 | 7,545.7 | 0.0 | 116.2 | 94,446.9 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.
[k] U.S. total includes -23.8 trillion Btu of net imports of coal coke that has not been allocated to the States.
Where shown, (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C4. Total End-Use Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric power [f] | Biomass: Wood and Waste [g] | Biomass: Losses and Co-products [h] | Geo-thermal | Solar/PV [i] | Retail Electricity Sales | Net Energy [j,k] | Electrical System Energy Losses [l] | Total [j,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 59.6 | 241.2 | 141.3 | 9.9 | 13.2 | 327.6 | 5.5 | 94.5 | 592.0 | 0.0 | 136.3 | 0.0 | 0.1 | 0.1 | 282.7 | 1,312.0 | 594.8 | 1,906.8 |
| Alaska | 8.2 | 305.7 | 81.2 | 106.3 | 1.5 | 35.1 | (s) | 26.7 | 250.7 | 0.0 | 1.2 | 0.0 | 0.2 | (s) | 21.4 | 587.3 | 43.2 | 630.4 |
| Arizona | 8.7 | 109.0 | 142.8 | 32.3 | 7.3 | 331.8 | 0.0 | 25.5 | 539.7 | 0.0 | 11.1 | 3.1 | 0.3 | 4.6 | 250.6 | 927.1 | 527.2 | 1,454.3 |
| Arkansas | 7.4 | 162.8 | 127.5 | 4.5 | 10.5 | 181.6 | 0.3 | 23.9 | 348.3 | 0.0 | 78.3 | 0.0 | 0.7 | 0.1 | 147.3 | 744.9 | 310.0 | 1,054.8 |
| California | 31.3 | 1,560.6 | 526.0 | 555.6 | 60.9 | 1,866.5 | 242.7 | 319.8 | 3,571.5 | (s) | 62.7 | 2.8 | 2.0 | 25.1 | 885.7 | 6,141.7 | 1,863.8 | 8,005.5 |
| Colorado | 9.7 | 410.9 | 110.0 | 61.5 | 19.9 | 261.2 | 0.0 | 27.5 | 480.0 | 0.0 | 8.4 | 7.0 | 0.7 | 0.4 | 174.1 | 1,085.8 | 366.4 | 1,452.2 |
| Connecticut | 0.0 | 116.1 | 131.2 | 8.0 | 11.4 | 189.6 | 1.9 | 8.0 | 350.0 | 0.0 | 6.3 | 0.0 | (s) | 1.3 | 101.4 | 575.1 | 213.4 | 788.4 |
| Delaware | 0.6 | 40.4 | 16.8 | 0.5 | 4.9 | 55.3 | 8.8 | 7.0 | 93.3 | 0.0 | 0.7 | 0.0 | 0.4 | 0.1 | 38.4 | 173.9 | 80.8 | 254.7 |
| Dist. of Col. | 0.3 | 33.5 | 4.8 | 0.0 | (s) | 14.0 | 0.0 | 0.4 | 19.3 | 0.0 | (s) | 0.0 | 0.0 | (s) | 41.6 | 94.8 | 87.6 | 182.4 |
| Florida | 24.1 | 146.1 | 264.1 | 178.5 | 19.7 | 1,046.6 | 26.9 | 49.7 | 1,585.6 | 0.0 | 112.9 | 0.0 | 8.4 | 37.6 | 766.8 | 2,681.5 | 1,613.7 | 4,295.2 |
| Georgia | 26.8 | 328.0 | 221.2 | 102.2 | 19.2 | 614.9 | 45.9 | 57.4 | 1,060.7 | 0.1 | 142.4 | 5.6 | 0.3 | 0.5 | 446.2 | 2,010.5 | 938.9 | 2,949.3 |
| Hawaii | 2.0 | 2.7 | 22.5 | 47.0 | 2.9 | 56.1 | 10.9 | 14.4 | 153.9 | 0.3 | 5.0 | 0.0 | (s) | 2.8 | 34.6 | 198.8 | 71.0 | 269.8 |
| Idaho | 8.4 | 74.0 | 50.5 | 3.3 | 5.0 | 82.2 | 0.1 | 12.7 | 153.8 | 0.0 | 29.6 | 0.7 | 1.4 | (s) | 77.6 | 345.6 | 163.4 | 509.0 |
| Illinois | 77.8 | 924.5 | 251.6 | 141.6 | 71.7 | 617.6 | 0.2 | 198.2 | 1,280.9 | 0.0 | 20.0 | 72.1 | 1.7 | 1.7 | 466.4 | 2,833.7 | 981.4 | 3,815.1 |
| Indiana | 232.5 | 477.2 | 206.1 | 42.3 | 28.9 | 384.0 | 1.2 | 128.3 | 790.6 | 0.0 | 29.7 | 39.6 | 3.9 | 0.2 | 338.9 | 1,909.6 | 713.1 | 2,622.6 |
| Iowa | 58.7 | 307.3 | 127.7 | 3.0 | 63.4 | 207.1 | 0.0 | 21.1 | 422.3 | 0.0 | 24.1 | 175.0 | 1.0 | 0.1 | 148.9 | 1,105.1 | 313.3 | 1,418.5 |
| Kansas | 2.5 | 256.9 | 104.0 | 13.9 | 57.9 | 164.6 | 0.3 | 50.0 | 390.6 | 0.0 | 5.2 | 23.1 | 0.8 | (s) | 130.5 | 809.7 | 274.6 | 1,084.3 |
| Kentucky | 44.7 | 205.4 | 159.8 | 55.8 | 30.6 | 278.8 | 0.4 | 130.3 | 655.8 | 0.0 | 25.7 | 2.0 | 2.3 | 0.1 | 303.0 | 1,239.0 | 637.6 | 1,876.6 |
| Louisiana | 0.3 | 1,071.1 | 190.3 | 91.1 | 208.0 | 285.4 | 102.9 | 489.8 | 1,367.5 | 0.0 | 92.4 | 0.1 | 1.5 | 0.1 | 268.4 | 2,801.5 | 564.8 | 3,366.3 |
| Maine | 0.8 | 34.5 | 77.4 | 7.0 | 10.9 | 83.4 | 19.6 | 4.6 | 202.9 | 7.4 | 65.1 | 0.0 | 0.1 | 0.2 | 38.5 | 349.5 | 81.0 | 430.5 |
| Maryland | 22.9 | 185.7 | 112.8 | 19.0 | 11.5 | 361.9 | 4.9 | 31.2 | 541.3 | 0.0 | 16.1 | 0.0 | 0.5 | 0.2 | 213.6 | 980.0 | 449.4 | 1,429.4 |
| Massachusetts | 1.3 | 253.3 | 173.5 | 35.2 | 10.0 | 347.7 | 9.1 | 10.7 | 586.1 | 0.1 | 8.3 | 0.0 | 0.7 | 0.4 | 185.5 | 1,035.7 | 390.3 | 1,426.0 |
| Michigan | 53.4 | 661.7 | 149.0 | 24.2 | 42.1 | 574.0 | 1.7 | 66.2 | 857.2 | 0.2 | 67.6 | 12.1 | 4.3 | 0.7 | 334.8 | 1,992.1 | 704.5 | 2,696.6 |
| Minnesota | 23.4 | 381.6 | 137.4 | 52.2 | 37.7 | 317.2 | 2.8 | 77.6 | 624.8 | 1.3 | 45.7 | 53.6 | 0.9 | 0.3 | 218.4 | 1,350.0 | 459.5 | 1,809.5 |
| Mississippi | 2.6 | 185.1 | 116.0 | 27.5 | 12.0 | 196.1 | 5.0 | 57.8 | 414.4 | 0.0 | 45.1 | 3.0 | 0.8 | (s) | 157.1 | 808.0 | 330.6 | 1,138.7 |
| Missouri | 21.1 | 236.2 | 170.4 | 20.6 | 32.9 | 398.5 | 0.2 | 52.6 | 675.3 | 0.0 | 26.2 | 14.7 | 0.3 | (s) | 271.9 | 1,245.7 | 572.1 | 1,817.8 |
| Montana | 1.1 | 75.7 | 59.6 | 4.5 | 9.5 | 62.0 | 0.4 | 30.4 | 166.3 | 0.0 | 16.2 | 0.0 | 0.3 | (s) | 48.9 | 308.6 | 102.9 | 411.5 |
| Nebraska | 7.3 | 161.6 | 85.7 | 4.0 | 13.3 | 104.0 | (s) | 7.8 | 214.7 | 0.0 | 6.9 | 66.3 | 1.0 | (s) | 97.1 | 554.8 | 204.3 | 759.1 |
| Nevada | 3.4 | 85.6 | 69.9 | 27.7 | 4.4 | 138.5 | 0.0 | 9.3 | 249.8 | 0.0 | 2.8 | 0.0 | 1.4 | 1.5 | 117.0 | 461.4 | 246.2 | 707.6 |
| New Hampshire | 0.0 | 22.6 | 44.6 | 1.9 | 12.9 | 90.0 | 4.4 | 7.5 | 161.3 | 0.1 | 5.5 | 0.0 | (s) | 0.1 | 36.5 | 226.2 | 76.8 | 303.0 |
| New Jersey | 0.0 | 470.0 | 170.1 | 195.2 | 8.1 | 528.0 | 72.5 | 136.2 | 1,110.1 | 0.0 | 8.3 | 0.0 | 0.4 | 2.5 | 258.6 | 1,849.5 | 544.1 | 2,393.6 |
| New Mexico | 1.5 | 175.1 | 74.0 | 7.6 | 22.7 | 120.8 | 0.1 | 25.8 | 251.0 | 0.0 | 11.2 | 1.5 | 0.3 | 0.3 | 73.9 | 514.7 | 155.4 | 670.1 |
| New York | 24.1 | 791.0 | 379.0 | 95.0 | 29.7 | 711.2 | 135.4 | 88.1 | 1,438.4 | 1.2 | 74.8 | 2.8 | 1.0 | 1.8 | 477.8 | 2,813.0 | 1,005.4 | 3,818.5 |
| North Carolina | 28.3 | 210.4 | 179.5 | 10.5 | 43.5 | 552.5 | 16.8 | 65.3 | 868.0 | 0.2 | 85.2 | 0.0 | 0.8 | 0.4 | 435.6 | 1,628.9 | 916.6 | 2,545.4 |
| North Dakota | 95.5 | 57.6 | 55.6 | 3.9 | 10.5 | 46.6 | 0.2 | 11.1 | 128.0 | 0.0 | 1.9 | 14.7 | 0.8 | (s) | 43.2 | 336.0 | 90.8 | 426.8 |
| Ohio | 97.1 | 730.0 | 271.6 | 72.3 | 32.7 | 624.4 | 2.0 | 188.3 | 1,191.3 | 0.0 | 48.2 | 14.8 | 2.9 | 0.4 | 499.2 | 2,583.3 | 1,050.4 | 3,633.7 |
| Oklahoma | 12.1 | 384.1 | 145.3 | 36.6 | 10.0 | 230.2 | 2.0 | 76.6 | 500.6 | 0.0 | 16.1 | 0.0 | (s) | (s) | 186.1 | 1,099.0 | 391.6 | 1,490.6 |
| Oregon | 1.9 | 143.7 | 108.3 | 37.0 | 6.4 | 193.1 | 5.8 | 22.4 | 373.0 | 0.0 | 37.9 | 3.3 | 1.1 | 1.9 | 162.3 | 725.0 | 341.5 | 1,066.5 |
| Pennsylvania | 152.9 | 617.2 | 344.8 | 70.7 | 55.3 | 635.8 | 21.7 | 180.2 | 1,308.5 | 0.0 | 50.2 | 0.0 | 1.8 | 1.0 | 490.5 | 2,622.0 | 1,032.1 | 3,654.1 |
| Rhode Island | 0.0 | 38.3 | 33.0 | 3.9 | 1.4 | 49.4 | 3.6 | 8.1 | 99.5 | 0.0 | 0.8 | 0.0 | (s) | 0.1 | 26.0 | 164.6 | 54.7 | 219.3 |
| South Carolina | 23.3 | 119.9 | 109.5 | 6.1 | 9.6 | 342.2 | 17.9 | 70.2 | 555.5 | (s) | 72.3 | 0.0 | 0.6 | (s) | 260.7 | 1,032.3 | 548.7 | 1,581.0 |
| South Dakota | 2.3 | 65.4 | 42.7 | 4.0 | 9.7 | 55.8 | 0.1 | 7.6 | 119.9 | 0.0 | 1.6 | 52.6 | 1.6 | (s) | 37.6 | 280.8 | 79.1 | 359.9 |
| Tennessee | 68.4 | 218.8 | 145.0 | 63.4 | 11.8 | 393.6 | 0.3 | 162.3 | 776.4 | 0.0 | 60.1 | 9.6 | 0.2 | (s) | 322.9 | 1,456.4 | 679.6 | 2,136.0 |
| Texas | 17.4 | 2,046.4 | 768.9 | 350.5 | 1,489.2 | 1,510.4 | 152.6 | 1,224.7 | 5,496.3 | 0.0 | 67.7 | 9.4 | 2.1 | 0.8 | 1,178.1 | 8,818.2 | 2,479.2 | 11,297.4 |
| Utah | 16.1 | 171.8 | 75.2 | 32.6 | 4.1 | 131.2 | 0.8 | 27.0 | 270.9 | 0.0 | 2.6 | 0.0 | 0.8 | 0.1 | 94.1 | 556.4 | 198.1 | 754.5 |
| Vermont | 0.0 | 8.6 | 28.7 | 2.9 | 8.6 | 41.7 | 1.3 | 1.7 | 84.8 | 0.2 | 6.1 | 0.0 | (s) | 0.1 | 18.8 | 118.7 | 39.5 | 158.1 |
| Virginia | 66.6 | 232.2 | 193.8 | 89.0 | 20.0 | 493.2 | 14.5 | 42.8 | 853.3 | 0.1 | 82.8 | 0.0 | 1.4 | 0.7 | 370.1 | 1,607.0 | 778.8 | 2,385.8 |
| Washington | 3.5 | 225.4 | 146.9 | 103.7 | 15.4 | 337.9 | 47.2 | 125.6 | 776.7 | 0.5 | 70.8 | 0.0 | 0.9 | 0.2 | 307.6 | 1,385.6 | 647.4 | 2,032.9 |
| West Virginia | 47.4 | 112.7 | 77.5 | 1.1 | 4.1 | 104.9 | 0.5 | 28.4 | 216.6 | 6.0 | 12.2 | 0.0 | (s) | 0.1 | 103.3 | 498.3 | 217.3 | 715.6 |
| Wisconsin | 37.1 | 350.9 | 138.2 | 14.1 | 31.5 | 313.7 | 0.8 | 47.4 | 545.8 | 1.1 | 80.7 | 26.0 | 0.5 | 0.3 | 226.2 | 1,268.7 | 475.9 | 1,744.6 |
| Wyoming | 31.0 | 144.7 | 86.9 | 2.4 | 5.5 | 44.3 | 0.1 | 26.6 | 165.9 | 0.0 | 2.4 | 0.4 | 0.6 | (s) | 56.5 | 401.4 | 118.9 | 520.3 |
| United States | 1,467.6 | 16,371.0 | 7,650.0 | 2,883.3 | 2,664.0 | 17,134.5 | 991.9 | 4,607.4 | 35,931.1 | 18.9 | 1,891.2 | 616.0 | 53.7 | 89.1 | 12,272.5 | 68,625.2 | 25,821.7 | 94,446.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Wood, wood-derived fuels, and biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] U.S. total includes -23.8 trillion Btu of net imports of coal coke that are not allocated to the States.
[k] Adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

Where shown, (s) = Value less than 0.05 trillion Btu.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C5. Residential Sector Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum | | | | Biomass | Geothermal | Solar/PV [d] | Retail Electricity Sales | Net Energy [e] | Electrical System Energy Losses [f] | Total [e] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Kerosene | LPG [b] | Total | Wood [c] | | | | | | |
| Alabama | 0.0 | 37.0 | 0.6 | 0.1 | 7.2 | 7.9 | 4.6 | 0.1 | 0.1 | 107.4 | 157.1 | 226.1 | 383.2 |
| Alaska | 0.8 | 20.1 | 9.0 | 0.1 | 0.7 | 9.7 | 0.9 | 0.1 | (s) | 7.2 | 38.8 | 14.6 | 53.4 |
| Arizona | 0.0 | 35.4 | (s) | (s) | 4.5 | 4.5 | 8.4 | (s) | 4.6 | 112.1 | 165.0 | 235.8 | 400.8 |
| Arkansas | 0.0 | 33.6 | (s) | (s) | 6.3 | 6.3 | 5.6 | 0.7 | 0.1 | 58.0 | 104.3 | 122.0 | 226.3 |
| California | 0.0 | 493.6 | 2.3 | 1.0 | 28.0 | 31.3 | 26.0 | 0.3 | 25.1 | 306.4 | 882.6 | 644.7 | 1,527.3 |
| Colorado | 0.7 | 130.9 | 0.1 | (s) | 11.5 | 11.6 | 6.9 | 0.2 | 0.4 | 59.4 | 207.7 | 125.0 | 332.7 |
| Connecticut | 0.0 | 45.0 | 74.2 | 0.3 | 5.8 | 80.3 | 2.5 | (s) | 1.3 | 42.9 | 172.1 | 90.3 | 262.4 |
| Delaware | 0.0 | 10.4 | 3.6 | 0.3 | 3.1 | 6.9 | 0.6 | 0.4 | 0.1 | 14.8 | 33.1 | 31.1 | 64.2 |
| Dist. of Col. | (s) | 13.9 | 1.1 | 0.0 | (s) | 1.1 | (s) | 0.0 | (s) | 6.3 | 21.4 | 13.3 | 34.8 |
| Florida | 0.0 | 15.7 | 0.2 | 0.1 | 8.5 | 8.9 | 2.2 | 6.8 | 37.6 | 394.0 | 465.2 | 829.1 | 1,294.3 |
| Georgia | (s) | 121.4 | 0.2 | 0.2 | 10.0 | 10.4 | 6.5 | 0.3 | 0.5 | 188.2 | 327.2 | 396.0 | 723.2 |
| Hawaii | 0.0 | 0.5 | (s) | (s) | 0.9 | 0.9 | 0.2 | 0.0 | 2.8 | 10.4 | 14.3 | 21.4 | 35.7 |
| Idaho | (s) | 26.1 | 1.0 | (s) | 3.8 | 4.8 | 8.1 | 0.1 | (s) | 29.2 | 68.4 | 61.4 | 129.9 |
| Illinois | 0.4 | 445.7 | 0.7 | 0.2 | 23.2 | 24.1 | 6.3 | 1.7 | 1.7 | 151.2 | 625.6 | 318.2 | 943.9 |
| Indiana | 0.7 | 141.9 | 1.8 | 0.7 | 17.8 | 20.3 | 12.8 | 3.3 | 0.2 | 111.1 | 289.4 | 233.7 | 523.1 |
| Iowa | 0.6 | 70.6 | 1.1 | 0.1 | 19.8 | 21.0 | 4.3 | 0.4 | 0.1 | 46.8 | 136.1 | 98.5 | 234.6 |
| Kansas | 0.0 | 72.5 | (s) | (s) | 9.2 | 9.3 | 4.0 | 0.1 | (s) | 44.9 | 130.8 | 94.4 | 225.2 |
| Kentucky | 0.1 | 53.5 | 1.9 | 0.6 | 9.0 | 11.6 | 10.2 | 1.6 | 0.1 | 90.5 | 167.6 | 190.5 | 358.1 |
| Louisiana | 0.0 | 37.6 | 0.2 | (s) | 2.9 | 3.1 | 1.5 | 0.8 | 0.1 | 101.5 | 144.6 | 213.6 | 358.1 |
| Maine | 0.0 | 1.3 | 32.3 | 3.1 | 4.8 | 40.2 | 6.1 | 0.1 | 0.2 | 14.9 | 62.7 | 31.3 | 94.0 |
| Maryland | 0.1 | 85.7 | 19.7 | 0.7 | 7.0 | 27.4 | 4.6 | 0.5 | 0.2 | 91.9 | 210.2 | 193.5 | 403.7 |
| Massachusetts | 0.0 | 137.0 | 85.3 | 0.6 | 6.4 | 92.2 | 3.6 | (s) | 0.4 | 66.4 | 299.7 | 139.8 | 439.5 |
| Michigan | 0.6 | 334.2 | 5.4 | 0.4 | 35.3 | 41.1 | 25.5 | 3.7 | 0.7 | 112.1 | 518.0 | 235.9 | 753.8 |
| Minnesota | 0.1 | 137.4 | 6.1 | 0.1 | 19.1 | 25.3 | 10.7 | 0.9 | 0.3 | 75.2 | 249.9 | 158.2 | 408.1 |
| Mississippi | 0.0 | 23.9 | (s) | 0.1 | 7.3 | 7.4 | 4.9 | (s) | (s) | 61.7 | 97.9 | 129.9 | 227.8 |
| Missouri | 0.3 | 106.9 | 0.5 | 0.1 | 18.1 | 18.7 | 18.6 | 0.3 | (s) | 116.8 | 261.6 | 245.7 | 507.3 |
| Montana | (s) | 22.0 | 0.7 | (s) | 8.4 | 9.1 | 6.1 | 0.1 | (s) | 16.3 | 53.6 | 34.3 | 87.8 |
| Nebraska | 0.0 | 40.6 | 0.2 | (s) | 7.7 | 7.9 | 2.3 | 0.3 | (s) | 32.8 | 84.0 | 69.1 | 153.1 |
| Nevada | 0.0 | 39.9 | 0.7 | 0.1 | 2.4 | 3.2 | 2.0 | 0.3 | 1.5 | 40.5 | 87.4 | 85.3 | 172.7 |
| New Hampshire | 0.0 | 7.5 | 20.3 | 1.0 | 9.1 | 30.4 | 3.3 | (s) | 0.1 | 15.1 | 56.4 | 31.7 | 88.1 |
| New Jersey | 0.0 | 232.6 | 39.7 | 0.2 | 5.5 | 45.4 | 1.4 | 0.4 | 2.5 | 95.0 | 377.0 | 199.8 | 576.8 |
| New Mexico | 0.0 | 33.3 | (s) | (s) | 6.5 | 6.5 | 9.0 | (s) | 0.3 | 22.2 | 71.3 | 46.7 | 118.0 |
| New York | 0.1 | 413.6 | 124.0 | 5.5 | 21.1 | 150.6 | 50.5 | 0.2 | 1.8 | 164.6 | 781.6 | 346.4 | 1,128.0 |
| North Carolina | 0.6 | 67.4 | 7.6 | 2.2 | 21.5 | 31.3 | 15.5 | 0.8 | 0.4 | 192.1 | 308.0 | 404.3 | 712.3 |
| North Dakota | 0.2 | 12.2 | 1.9 | (s) | 5.6 | 7.6 | 0.4 | 0.5 | (s) | 15.2 | 34.2 | 31.9 | 66.1 |
| Ohio | 0.6 | 304.6 | 10.7 | 1.2 | 21.1 | 33.0 | 21.0 | 2.2 | 0.4 | 175.4 | 537.0 | 369.1 | 906.0 |
| Oklahoma | 0.0 | 64.3 | (s) | (s) | 7.1 | 7.1 | 3.2 | (s) | (s) | 73.8 | 148.5 | 155.4 | 303.9 |
| Oregon | 0.0 | 46.0 | 3.3 | 0.3 | 2.8 | 6.4 | 9.9 | 0.3 | 1.9 | 67.6 | 132.1 | 142.2 | 274.3 |
| Pennsylvania | 0.5 | 236.8 | 79.5 | 3.9 | 20.0 | 103.3 | 15.5 | 1.2 | 1.0 | 180.5 | 538.8 | 379.9 | 918.6 |
| Rhode Island | 0.0 | 18.3 | 18.2 | 0.1 | 0.8 | 19.1 | 0.6 | (s) | 0.1 | 10.0 | 48.2 | 21.1 | 69.2 |
| South Carolina | (s) | 28.0 | 0.9 | 0.5 | 5.1 | 6.5 | 3.9 | 0.6 | (s) | 100.8 | 139.8 | 212.2 | 352.0 |
| South Dakota | (s) | 13.6 | 0.8 | (s) | 5.6 | 6.3 | 1.2 | 0.4 | (s) | 15.4 | 37.0 | 32.4 | 69.4 |
| Tennessee | 0.2 | 67.9 | 1.0 | 0.6 | 9.1 | 10.6 | 11.5 | 0.2 | (s) | 136.9 | 227.4 | 288.0 | 515.4 |
| Texas | (s) | 197.0 | (s) | (s) | 19.1 | 19.1 | 18.4 | 1.4 | 0.8 | 442.9 | 679.5 | 931.9 | 1,611.5 |
| Utah | 0.0 | 68.2 | 0.1 | (s) | 2.3 | 2.4 | 1.9 | (s) | 0.1 | 29.8 | 102.5 | 62.6 | 165.1 |
| Vermont | 0.0 | 3.2 | 12.1 | 0.9 | 5.6 | 18.6 | 3.9 | (s) | 0.1 | 7.2 | 33.1 | 15.2 | 48.3 |
| Virginia | 0.2 | 87.4 | 18.1 | 1.6 | 12.5 | 32.2 | 15.3 | 0.7 | 0.7 | 152.7 | 289.2 | 321.4 | 610.6 |
| Washington | 0.0 | 86.7 | 5.8 | 0.1 | 8.9 | 14.8 | 11.4 | 0.1 | 0.2 | 125.4 | 238.5 | 263.9 | 502.4 |
| West Virginia | 0.0 | 28.3 | 1.4 | 0.4 | 2.9 | 4.7 | 9.3 | (s) | 0.1 | 39.5 | 82.0 | 83.2 | 165.2 |
| Wisconsin | 0.3 | 135.0 | 7.4 | 0.2 | 23.1 | 30.7 | 25.1 | 0.5 | 0.3 | 73.1 | 265.0 | 153.8 | 418.8 |
| Wyoming | 0.1 | 13.1 | 0.1 | (s) | 3.7 | 3.8 | 2.0 | 0.1 | (s) | 9.3 | 28.2 | 19.5 | 47.7 |
| United States | 7.3 | 4,898.9 | 601.6 | 27.7 | 507.4 | 1,136.7 | 430.0 | 32.8 | 89.1 | 4,655.6 | 11,230.9 | 9,795.7 | 21,026.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for explanation of estimation methodology.
[e] Adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[f] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
Where shown, (s) = Value less than 0.05 trillion Btu.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C6. Commercial Sector Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e] | Biomass: Wood and Waste [f] | Geothermal | Retail Electricity Sales | Net Energy [g] | Electrical System Energy Losses [h] | Total [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 0.0 | 24.9 | 5.9 | (s) | 2.0 | 0.2 | (s) | 8.2 | 0.0 | 0.8 | 0.0 | 74.8 | 108.6 | 157.4 | 266.0 |
| Alaska | 7.3 | 16.7 | 6.5 | 0.1 | 0.7 | 0.3 | 0.0 | 7.6 | 0.0 | 0.2 | 0.1 | 9.7 | 41.5 | 19.6 | 61.0 |
| Arizona | 0.0 | 32.8 | 5.2 | (s) | 0.8 | 0.6 | 0.0 | 6.6 | 0.0 | 1.4 | (s) | 100.3 | 141.1 | 211.0 | 352.1 |
| Arkansas | 0.0 | 36.8 | 5.9 | (s) | 1.1 | 0.7 | 0.0 | 7.7 | 0.0 | 1.0 | 0.0 | 39.2 | 84.6 | 82.4 | 167.0 |
| California | 0.0 | 254.3 | 22.6 | 0.1 | 7.4 | 1.4 | 0.0 | 31.5 | (s) | 9.6 | 0.6 | 413.2 | 709.1 | 869.5 | 1,578.7 |
| Colorado | 5.9 | 63.4 | 8.6 | (s) | 1.6 | 0.2 | 0.0 | 10.4 | 0.0 | 1.1 | 0.2 | 68.3 | 148.1 | 143.7 | 291.8 |
| Connecticut | 0.0 | 40.7 | 12.1 | 0.1 | 3.1 | 0.2 | 0.6 | 16.1 | 0.0 | 0.4 | 0.0 | 45.2 | 102.4 | 95.2 | 197.6 |
| Delaware | 0.0 | 12.1 | 1.6 | (s) | 1.2 | (s) | (s) | 2.8 | 0.0 | 0.1 | 0.0 | 14.3 | 29.3 | 30.0 | 59.3 |
| Dist. of Col. | 0.3 | 19.4 | 1.8 | (s) | (s) | 0.2 | 0.0 | 2.0 | 0.0 | (s) | 0.0 | 33.1 | 54.8 | 69.7 | 124.5 |
| Florida | 0.0 | 51.9 | 18.7 | (s) | 7.4 | 3.5 | 0.1 | 29.7 | 0.0 | 1.0 | 1.6 | 314.8 | 399.1 | 662.5 | 1,061.6 |
| Georgia | 0.2 | 54.9 | 5.6 | (s) | 2.8 | 0.4 | 0.1 | 8.9 | 0.0 | 1.3 | (s) | 157.2 | 222.5 | 330.9 | 553.3 |
| Hawaii | 0.0 | 1.8 | 1.6 | (s) | 1.9 | 0.1 | 0.0 | 3.6 | 0.0 | 3.0 | (s) | 11.6 | 18.3 | 23.8 | 42.1 |
| Idaho | 0.2 | 16.1 | 1.5 | (s) | 0.8 | 0.1 | 0.0 | 2.5 | 0.0 | 1.3 | 0.5 | 20.5 | 41.1 | 43.1 | 84.3 |
| Illinois | 3.5 | 225.6 | 5.1 | 0.1 | 3.3 | 4.7 | 0.0 | 13.1 | 0.0 | 1.1 | 0.0 | 171.7 | 412.2 | 361.4 | 773.6 |
| Indiana | 6.7 | 80.0 | 5.8 | 0.1 | 3.2 | 3.7 | 0.1 | 12.8 | 0.0 | 6.7 | 0.6 | 80.8 | 187.1 | 170.1 | 357.2 |
| Iowa | 5.5 | 57.1 | 3.1 | (s) | 3.7 | 9.2 | 0.0 | 16.2 | 0.0 | 1.3 | 0.6 | 39.9 | 114.4 | 84.1 | 198.5 |
| Kansas | 0.0 | 33.2 | 1.9 | (s) | 1.4 | 0.4 | (s) | 3.7 | 0.0 | 0.7 | 0.7 | 51.2 | 89.4 | 107.7 | 197.1 |
| Kentucky | 1.2 | 36.7 | 2.5 | (s) | 1.3 | 0.2 | 0.0 | 4.0 | 0.0 | 1.7 | 0.7 | 63.8 | 108.1 | 134.2 | 242.3 |
| Louisiana | 0.0 | 24.3 | 8.9 | (s) | 1.0 | 0.2 | 0.0 | 10.1 | 0.0 | 0.2 | 0.7 | 79.5 | 114.9 | 167.3 | 282.2 |
| Maine | 0.0 | 5.8 | 12.6 | 0.3 | 5.7 | 0.2 | 2.7 | 21.4 | 0.0 | 3.0 | 0.0 | 13.9 | 44.1 | 29.2 | 73.3 |
| Maryland | 0.6 | 71.6 | 9.7 | 0.2 | 2.8 | 0.2 | (s) | 12.9 | 0.0 | 2.8 | 0.0 | 101.7 | 189.5 | 214.0 | 403.5 |
| Massachusetts | 0.0 | 73.7 | 19.1 | 0.1 | 2.3 | 0.4 | 4.6 | 26.5 | 0.1 | 0.6 | 0.6 | 60.6 | 162.2 | 127.6 | 289.8 |
| Michigan | 5.7 | 167.2 | 8.2 | (s) | 2.5 | 0.7 | 0.1 | 11.4 | 0.0 | 8.9 | 0.7 | 129.2 | 323.2 | 271.9 | 595.1 |
| Minnesota | 0.9 | 99.1 | 6.3 | (s) | 2.8 | 3.4 | 1.2 | 13.7 | 0.0 | 2.3 | 0.0 | 76.1 | 192.1 | 160.2 | 352.3 |
| Mississippi | 0.0 | 19.6 | 4.0 | (s) | 2.0 | 0.2 | 0.0 | 6.2 | 0.0 | 0.8 | 0.7 | 44.4 | 71.7 | 93.4 | 165.2 |
| Missouri | 3.1 | 61.8 | 3.5 | (s) | 4.1 | 0.3 | (s) | 8.0 | 0.0 | 3.1 | 0.0 | 103.7 | 179.6 | 218.2 | 397.8 |
| Montana | 0.2 | 23.8 | 0.9 | 0.0 | 0.7 | 0.1 | 0.2 | 1.8 | 0.0 | 1.0 | 0.1 | 16.3 | 43.3 | 34.3 | 77.6 |
| Nebraska | 0.0 | 32.2 | 1.4 | (s) | 0.4 | 0.5 | (s) | 2.3 | 0.0 | 0.5 | 0.8 | 31.8 | 67.5 | 66.9 | 134.3 |
| Nevada | 0.0 | 30.4 | 1.5 | 0.1 | 0.8 | 0.1 | 0.0 | 2.5 | 0.0 | 0.3 | 0.7 | 30.5 | 64.4 | 64.3 | 128.6 |
| New Hampshire | 0.0 | 10.3 | 6.4 | 0.1 | 3.0 | 0.2 | 2.1 | 11.9 | 0.0 | 0.6 | 0.0 | 15.2 | 37.9 | 31.9 | 69.7 |
| New Jersey | 0.0 | 185.6 | 13.3 | 0.2 | 1.3 | 0.4 | 2.7 | 17.9 | 0.0 | 3.2 | 0.0 | 134.4 | 340.9 | 282.7 | 623.6 |
| New Mexico | 0.0 | 25.4 | 1.6 | (s) | 1.2 | 0.1 | 0.0 | 3.0 | 0.0 | 1.5 | 0.1 | 29.8 | 59.7 | 62.7 | 122.4 |
| New York | 0.5 | 286.8 | 72.4 | 1.0 | 6.1 | 1.1 | 55.8 | 136.4 | (s) | 10.7 | 0.7 | 257.1 | 692.2 | 541.0 | 1,233.2 |
| North Carolina | 5.0 | 52.6 | 10.9 | 0.2 | 7.0 | 10.1 | (s) | 28.2 | 0.1 | 2.6 | 0.0 | 157.8 | 246.3 | 332.0 | 578.3 |
| North Dakota | 1.5 | 11.6 | 1.2 | (s) | 1.5 | 0.1 | (s) | 2.8 | 0.0 | 0.1 | 0.3 | 15.6 | 30.2 | 32.7 | 62.9 |
| Ohio | 5.2 | 167.7 | 14.8 | 0.2 | 3.9 | 1.7 | (s) | 20.5 | 0.0 | 3.5 | 0.7 | 154.8 | 352.3 | 325.8 | 678.0 |
| Oklahoma | 0.0 | 42.8 | 4.5 | (s) | 1.1 | 0.9 | 0.0 | 6.5 | 0.0 | 0.5 | 0.0 | 63.7 | 113.4 | 134.0 | 247.4 |
| Oregon | 0.0 | 30.5 | 4.3 | 0.1 | 1.3 | 0.2 | 0.3 | 6.1 | 0.0 | 1.9 | 0.6 | 54.5 | 93.6 | 114.7 | 208.3 |
| Pennsylvania | 4.5 | 149.8 | 25.1 | 0.5 | 6.3 | 0.5 | 1.6 | 34.0 | 0.0 | 4.6 | 0.6 | 158.4 | 351.9 | 333.2 | 685.2 |
| Rhode Island | 0.0 | 11.0 | 5.1 | (s) | 0.3 | 0.1 | 1.0 | 6.4 | 0.0 | 0.1 | 0.0 | 12.6 | 30.1 | 26.5 | 56.6 |
| South Carolina | 0.1 | 22.6 | 3.1 | (s) | 1.9 | 0.2 | (s) | 5.3 | (s) | 1.5 | 0.0 | 73.2 | 102.7 | 153.9 | 256.6 |
| South Dakota | 0.2 | 11.6 | 1.0 | (s) | 1.5 | 0.1 | (s) | 2.6 | 0.0 | 0.2 | 0.9 | 14.5 | 29.9 | 30.4 | 60.4 |
| Tennessee | 2.1 | 53.3 | 7.3 | 0.1 | 1.3 | 0.3 | (s) | 9.0 | 0.0 | 1.9 | 0.0 | 95.4 | 161.7 | 200.8 | 362.5 |
| Texas | 0.3 | 171.5 | 20.3 | 0.2 | 6.3 | 1.6 | (s) | 28.4 | 0.0 | 3.5 | 0.7 | 404.3 | 608.8 | 850.8 | 1,459.6 |
| Utah | 0.0 | 38.8 | 3.1 | (s) | 1.1 | 0.1 | 0.0 | 4.4 | 0.0 | 0.3 | 0.3 | 34.9 | 78.8 | 73.5 | 152.3 |
| Vermont | 0.0 | 2.5 | 4.2 | 0.1 | 2.7 | (s) | 0.6 | 7.6 | 0.0 | 0.6 | 0.0 | 6.8 | 17.5 | 14.3 | 31.8 |
| Virginia | 2.1 | 70.1 | 8.0 | 0.2 | 4.8 | 0.5 | 0.1 | 13.7 | 0.0 | 7.2 | 0.7 | 159.8 | 253.4 | 336.2 | 589.7 |
| Washington | 0.0 | 57.4 | 6.1 | (s) | 2.4 | 0.7 | 1.7 | 11.0 | 0.4 | 1.9 | 0.8 | 102.5 | 174.0 | 215.8 | 389.8 |
| West Virginia | 0.0 | 25.7 | 1.6 | 0.1 | 0.7 | 0.1 | 0.0 | 2.6 | 0.0 | 1.5 | (s) | 26.3 | 56.1 | 55.2 | 111.3 |
| Wisconsin | 2.7 | 92.7 | 6.0 | (s) | 2.6 | 0.3 | (s) | 8.9 | (s) | 4.6 | 0.0 | 76.7 | 185.6 | 161.4 | 346.9 |
| Wyoming | 0.5 | 10.7 | 0.9 | (s) | 1.5 | 1.5 | 0.0 | 3.9 | 0.0 | 0.3 | 0.5 | 14.6 | 30.5 | 30.8 | 61.3 |
| United States | 65.9 | 3,198.8 | 413.1 | 4.2 | 128.8 | 53.3 | 75.6 | 675.3 | 0.7 | 108.8 | 16.7 | 4,460.1 | 8,511.7 | 9,384.0 | 17,895.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste.
[g] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. Also, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

Where shown, (s) = Value less than 0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C7. Industrial Sector Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric power [e] | Biomass: Wood and Waste [f] | Biomass: Losses and Co-products [g] | Geo-thermal | Retail Electricity Sales | Net Energy [h,i] | Electrical System Energy Losses [j] | Total [h,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 59.6 | 160.0 | 25.0 | 3.6 | 5.2 | 0.3 | 92.0 | 126.1 | 0.0 | 130.9 | 0.0 | (s) | 100.4 | 577.2 | 211.4 | 788.5 |
| Alaska | 0.1 | 266.5 | 19.6 | 0.2 | 0.4 | (s) | 25.0 | 45.2 | 0.0 | 0.1 | 0.0 | 0.0 | 4.5 | 316.3 | 9.0 | 325.4 |
| Arizona | 8.7 | 18.3 | 27.7 | 1.3 | 5.2 | 0.0 | 23.3 | 57.4 | 0.0 | 1.3 | 3.1 | 0.2 | 38.2 | 127.3 | 80.4 | 207.8 |
| Arkansas | 7.4 | 83.1 | 26.5 | 2.8 | 3.6 | 0.3 | 21.3 | 54.5 | 0.0 | 71.7 | 0.0 | (s) | 50.2 | 266.9 | 105.6 | 372.5 |
| California | 31.3 | 792.8 | 61.8 | 22.0 | 19.6 | (s) | 304.8 | 408.1 | 0.0 | 27.1 | 2.8 | 1.2 | 163.2 | 1,426.5 | 343.5 | 1,770.0 |
| Colorado | 3.2 | 202.7 | 19.4 | 6.6 | 3.4 | 0.0 | 25.2 | 54.6 | 0.0 | 0.4 | 7.0 | 0.3 | 46.3 | 312.4 | 97.4 | 409.9 |
| Connecticut | 0.0 | 25.2 | 5.0 | 2.3 | 1.8 | 1.1 | 5.8 | 16.0 | 0.0 | 3.4 | 0.0 | 0.0 | 12.6 | 57.1 | 26.5 | 83.6 |
| Delaware | 0.6 | 18.0 | 3.3 | 0.6 | 0.7 | 2.2 | 5.9 | 12.8 | 0.0 | (s) | 0.0 | 0.0 | 9.3 | 40.6 | 19.7 | 60.3 |
| Dist. of Col. | 0.0 | 0.0 | 0.2 | (s) | 0.3 | 0.0 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.7 | 2.2 | 3.9 |
| Florida | 24.1 | 67.6 | 34.6 | 2.9 | 17.3 | 6.7 | 44.5 | 106.0 | 0.0 | 109.7 | 0.0 | 0.0 | 57.7 | 365.1 | 121.5 | 486.6 |
| Georgia | 26.6 | 143.6 | 28.6 | 5.4 | 8.4 | 2.2 | 54.0 | 98.6 | 0.1 | 134.6 | 5.6 | (s) | 100.1 | 509.2 | 210.7 | 720.0 |
| Hawaii | 2.0 | 0.4 | 2.4 | 0.1 | 1.2 | 3.0 | 13.9 | 20.7 | 0.3 | 1.8 | 0.0 | (s) | 12.6 | 37.5 | 25.8 | 63.3 |
| Idaho | 8.3 | 24.8 | 13.4 | 0.4 | 2.9 | 0.1 | 11.7 | 28.4 | 0.0 | 20.1 | 0.7 | 0.7 | 28.0 | 111.0 | 58.8 | 169.9 |
| Illinois | 73.9 | 238.2 | 32.4 | 43.4 | 7.9 | 0.1 | 190.8 | 274.6 | 0.0 | 12.6 | 72.1 | 0.0 | 141.6 | 810.0 | 298.0 | 1,108.0 |
| Indiana | 225.0 | 248.9 | 28.2 | 7.3 | 12.0 | 0.5 | 123.9 | 171.9 | 0.0 | 10.2 | 39.6 | 0.0 | 146.9 | 840.9 | 309.1 | 1,150.1 |
| Iowa | 52.6 | 165.7 | 32.8 | 39.4 | 6.0 | 0.0 | 17.9 | 96.2 | 0.0 | 18.4 | 175.0 | 0.0 | 62.1 | 551.8 | 130.8 | 682.5 |
| Kansas | 2.5 | 127.3 | 27.5 | 47.0 | 4.3 | 0.3 | 46.6 | 125.7 | 0.0 | 0.6 | 23.1 | 0.0 | 34.4 | 313.6 | 72.4 | 386.0 |
| Kentucky | 43.4 | 102.2 | 36.2 | 20.0 | 4.2 | 0.4 | 127.1 | 188.0 | 0.0 | 13.8 | 2.0 | 0.0 | 148.7 | 498.1 | 313.0 | 811.1 |
| Louisiana | 0.3 | 960.3 | 52.2 | 203.9 | 3.5 | 10.6 | 486.2 | 756.4 | 0.0 | 90.6 | 0.1 | (s) | 87.4 | 1,895.3 | 183.9 | 2,079.2 |
| Maine | 0.8 | 26.5 | 5.1 | 0.4 | 1.0 | 11.7 | 0.5 | 18.7 | 7.4 | 56.1 | 0.0 | 0.0 | 9.7 | 119.2 | 20.5 | 139.7 |
| Maryland | 22.2 | 24.8 | 7.1 | 1.5 | 4.4 | 2.1 | 28.6 | 43.7 | 0.0 | 8.7 | 0.0 | 0.0 | 18.0 | 117.4 | 38.0 | 155.3 |
| Massachusetts | 1.3 | 40.6 | 5.3 | 1.2 | 3.6 | 1.9 | 7.4 | 19.5 | 0.1 | 4.1 | 0.0 | 0.0 | 57.2 | 122.8 | 120.3 | 243.1 |
| Michigan | 47.1 | 140.0 | 18.5 | 3.5 | 7.5 | 0.7 | 58.9 | 89.1 | 0.2 | 33.2 | 12.1 | 0.0 | 93.5 | 415.1 | 196.7 | 611.8 |
| Minnesota | 22.4 | 132.2 | 32.4 | 15.3 | 5.2 | 0.6 | 73.2 | 126.6 | 1.3 | 32.6 | 53.6 | 0.0 | 67.0 | 435.7 | 141.0 | 576.7 |
| Mississippi | 2.6 | 112.1 | 12.4 | 2.4 | 2.3 | 0.3 | 55.9 | 73.4 | 0.0 | 39.4 | 3.0 | (s) | 51.0 | 281.6 | 107.3 | 388.9 |
| Missouri | 17.7 | 63.8 | 24.7 | 9.8 | 5.4 | 0.2 | 47.8 | 87.9 | 0.0 | 4.6 | 14.7 | 0.0 | 51.4 | 240.0 | 108.1 | 348.1 |
| Montana | 0.9 | 25.0 | 22.7 | 0.5 | 1.9 | 0.2 | 29.1 | 54.3 | 0.0 | 9.2 | 0.0 | 0.1 | 16.3 | 105.7 | 34.3 | 140.0 |
| Nebraska | 7.3 | 82.2 | 26.8 | 5.1 | 2.5 | (s) | 5.9 | 40.3 | 0.0 | 4.1 | 66.3 | 0.0 | 32.5 | 232.7 | 68.3 | 301.0 |
| Nevada | 3.4 | 11.8 | 21.5 | 0.9 | 2.1 | 0.0 | 8.1 | 32.6 | 0.0 | 0.5 | 0.0 | 0.4 | 45.9 | 94.6 | 96.5 | 191.1 |
| New Hampshire | 0.0 | 4.8 | 3.6 | 0.8 | 0.8 | 2.3 | 5.9 | 13.3 | 0.1 | 1.6 | 0.0 | 0.0 | 6.3 | 26.2 | 13.2 | 39.4 |
| New Jersey | 0.0 | 49.9 | 10.1 | 1.0 | 4.8 | 2.3 | 132.4 | 150.6 | 0.0 | 3.7 | 0.0 | 0.0 | 28.1 | 232.3 | 59.2 | 291.6 |
| New Mexico | 1.5 | 105.0 | 8.8 | 14.9 | 2.4 | 0.1 | 24.4 | 50.6 | 0.0 | 0.6 | 1.5 | 0.2 | 21.9 | 181.3 | 46.0 | 227.4 |
| New York | 23.6 | 74.8 | 17.5 | 2.1 | 8.6 | 3.2 | 76.7 | 108.0 | 1.2 | 13.6 | 2.8 | 0.0 | 45.8 | 269.7 | 96.3 | 366.0 |
| North Carolina | 22.8 | 84.4 | 17.7 | 10.9 | 5.8 | 12.2 | 59.8 | 106.4 | (s) | 67.2 | 0.0 | 0.0 | 85.6 | 366.5 | 180.2 | 546.7 |
| North Dakota | 93.9 | 24.5 | 23.4 | 3.2 | 2.4 | 0.2 | 10.3 | 39.4 | 0.0 | 1.5 | 14.7 | 0.0 | 12.4 | 184.0 | 26.1 | 210.1 |
| Ohio | 91.3 | 242.7 | 31.8 | 6.9 | 7.8 | 2.0 | 179.4 | 227.9 | 0.0 | 23.7 | 14.8 | 0.0 | 168.8 | 769.1 | 355.3 | 1,124.4 |
| Oklahoma | 12.1 | 249.7 | 12.6 | 1.5 | 5.8 | 2.0 | 71.8 | 93.7 | 0.0 | 12.4 | 0.0 | 0.0 | 48.6 | 416.4 | 102.2 | 518.6 |
| Oregon | 1.9 | 58.8 | 12.5 | 1.8 | 3.6 | 0.5 | 18.9 | 37.3 | 0.0 | 26.1 | 3.3 | 0.2 | 40.1 | 167.6 | 84.4 | 252.1 |
| Pennsylvania | 147.9 | 193.1 | 32.8 | 28.2 | 4.4 | 4.5 | 169.6 | 239.5 | 0.0 | 30.1 | 0.0 | 0.0 | 148.6 | 759.1 | 312.7 | 1,071.8 |
| Rhode Island | 0.0 | 7.9 | 1.0 | 0.3 | 0.8 | 1.5 | 7.6 | 11.1 | 0.0 | 0.1 | 0.0 | 0.0 | 3.4 | 22.5 | 7.1 | 29.6 |
| South Carolina | 23.2 | 66.7 | 9.8 | 2.2 | 3.9 | 6.0 | 68.0 | 89.9 | 0.0 | 66.9 | 0.0 | 0.0 | 86.7 | 333.5 | 182.5 | 516.0 |
| South Dakota | 2.1 | 36.9 | 11.1 | 2.5 | 2.2 | (s) | 6.8 | 22.7 | 0.0 | 0.2 | 52.6 | 0.2 | 7.7 | 122.4 | 16.2 | 138.6 |
| Tennessee | 66.0 | 85.8 | 10.0 | 1.0 | 7.7 | 0.2 | 158.0 | 176.9 | 0.0 | 46.6 | 9.6 | 0.0 | 90.7 | 475.7 | 190.8 | 666.5 |
| Texas | 17.1 | 1,579.8 | 117.0 | 1,462.0 | 19.9 | 10.3 | 1,214.2 | 2,823.4 | 0.0 | 45.8 | 9.4 | 0.0 | 330.7 | 4,806.2 | 696.0 | 5,502.2 |
| Utah | 16.1 | 54.0 | 10.4 | 0.5 | 2.5 | 0.8 | 25.4 | 39.6 | 0.0 | 0.4 | 0.0 | 0.4 | 29.3 | 139.8 | 61.7 | 201.5 |
| Vermont | 0.0 | 2.9 | 3.2 | 0.3 | 0.6 | 0.7 | 0.3 | 5.1 | 0.2 | 1.5 | 0.0 | 0.0 | 4.7 | 14.5 | 9.9 | 24.4 |
| Virginia | 64.3 | 65.4 | 18.6 | 2.4 | 4.2 | 10.4 | 37.5 | 73.2 | 0.1 | 60.4 | 0.0 | 0.0 | 56.9 | 320.3 | 119.7 | 440.0 |
| Washington | 3.5 | 73.4 | 16.9 | 3.4 | 4.4 | 0.0 | 122.7 | 147.4 | (s) | 57.5 | 0.0 | 0.0 | 79.7 | 361.5 | 167.7 | 529.2 |
| West Virginia | 47.4 | 39.5 | 34.3 | 0.5 | 1.5 | 0.5 | 26.6 | 63.5 | 6.0 | 1.3 | 0.0 | 0.0 | 37.5 | 195.2 | 78.9 | 274.0 |
| Wisconsin | 34.2 | 121.4 | 21.6 | 5.2 | 5.2 | 0.8 | 44.7 | 77.5 | 1.1 | 51.1 | 26.0 | 0.0 | 76.4 | 387.7 | 160.8 | 548.4 |
| Wyoming | 30.5 | 102.3 | 29.0 | 0.3 | 1.5 | 0.1 | 24.7 | 55.7 | 0.0 | 0.1 | 0.4 | 0.1 | 32.6 | 221.6 | 68.6 | 290.2 |
| United States | 1,394.3 | 7,628.4 | 1,107.0 | 2,001.8 | 244.3 | 106.2 | 4,421.6 | 7,880.8 | 18.2 | 1,352.4 | 616.0 | 4.2 | 3,130.3 | 21,972.9 | 6,586.2 | 28,559.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste.
[g] Losses and co-products from the production of fuel ethanol.
[h] U.S. total includes -23.8 trillion Btu of net imports of coal coke that are not allocated to the States.
[i] Adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

Where shown, (s) = Value less than 0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C8. Transportation Sector Energy Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum | | | | | | | | Retail Electricity Sales | Net Energy | Electrical System Energy Losses [e] | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Aviation Gasoline | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Lubricants | Motor Gasoline [d] | Residual Fuel Oil | Total | | | | |
| Alabama | 0.0 | 19.4 | 0.2 | 109.8 | 9.9 | 0.3 | 2.2 | 322.2 | 5.2 | 449.8 | 0.0 | 469.2 | 0.0 | 469.2 |
| Alaska | 0.0 | 2.4 | 1.1 | 46.1 | 106.3 | (s) | 0.4 | 34.4 | 0.0 | 188.3 | 0.0 | 190.6 | 0.0 | 190.6 |
| Arizona | 0.0 | 22.5 | 0.6 | 109.9 | 32.3 | 0.7 | 1.6 | 326.0 | 0.0 | 471.1 | 0.0 | 493.6 | 0.0 | 493.6 |
| Arkansas | 0.0 | 9.2 | 0.6 | 95.2 | 4.5 | 0.3 | 1.9 | 177.3 | 0.0 | 279.8 | (s) | 289.0 | (s) | 289.0 |
| California | 0.0 | 20.0 | 1.4 | 439.3 | 555.6 | 3.6 | 12.6 | 1,845.6 | 242.6 | 3,100.6 | 2.9 | 3,123.5 | 6.1 | 3,129.5 |
| Colorado | 0.0 | 14.0 | 0.4 | 81.9 | 61.5 | 0.2 | 1.8 | 257.6 | 0.0 | 403.4 | 0.1 | 417.6 | 0.3 | 417.9 |
| Connecticut | 0.0 | 5.2 | 0.7 | 40.0 | 8.0 | 0.1 | 1.1 | 187.6 | 0.2 | 237.6 | 0.6 | 243.5 | 1.4 | 244.9 |
| Delaware | 0.0 | (s) | 0.5 | 8.4 | 0.5 | (s) | 0.3 | 54.6 | 6.6 | 70.8 | 0.0 | 70.8 | 0.0 | 70.8 |
| Dist. of Col. | 0.0 | 0.2 | (s) | 1.8 | 0.0 | (s) | 0.2 | 13.6 | 0.0 | 15.6 | 1.1 | 16.9 | 2.3 | 19.2 |
| Florida | 0.0 | 10.8 | 1.5 | 210.5 | 178.5 | 0.8 | 3.6 | 1,025.9 | 20.2 | 1,441.0 | 0.3 | 1,452.1 | 0.6 | 1,452.7 |
| Georgia | 0.0 | 8.1 | 0.5 | 186.8 | 102.2 | 0.9 | 2.8 | 606.1 | 43.6 | 942.9 | 0.6 | 951.6 | 1.3 | 952.9 |
| Hawaii | 0.0 | (s) | 0.1 | 18.5 | 47.0 | (s) | 0.3 | 54.8 | 7.9 | 128.8 | 0.0 | 128.8 | 0.0 | 128.8 |
| Idaho | 0.0 | 7.0 | 0.4 | 34.5 | 3.3 | 0.1 | 0.6 | 79.2 | 0.0 | 118.0 | 0.0 | 125.0 | 0.0 | 125.0 |
| Illinois | 0.0 | 15.0 | 0.3 | 213.4 | 141.6 | 1.8 | 6.8 | 605.0 | 0.2 | 969.0 | 1.8 | 985.8 | 3.8 | 989.6 |
| Indiana | 0.0 | 6.5 | 0.5 | 170.2 | 42.3 | 0.7 | 3.1 | 368.3 | 0.6 | 585.6 | 0.1 | 592.2 | 0.1 | 592.3 |
| Iowa | 0.0 | 13.9 | 0.5 | 90.8 | 3.0 | 0.5 | 2.3 | 191.9 | 0.0 | 288.9 | 0.0 | 302.9 | 0.0 | 302.9 |
| Kansas | 0.0 | 24.0 | 0.7 | 74.6 | 13.9 | 0.2 | 2.7 | 159.9 | 0.0 | 252.0 | 0.0 | 276.0 | 0.0 | 276.0 |
| Kentucky | 0.0 | 12.9 | 0.2 | 119.2 | 55.8 | 0.3 | 2.3 | 274.4 | 0.0 | 452.3 | 0.0 | 465.2 | 0.0 | 465.2 |
| Louisiana | 0.0 | 48.9 | 0.3 | 129.0 | 91.1 | 0.2 | 3.2 | 281.7 | 92.3 | 597.9 | (s) | 646.8 | 0.1 | 646.8 |
| Maine | 0.0 | 0.9 | 0.2 | 27.4 | 7.0 | (s) | 0.6 | 82.3 | 5.2 | 122.6 | 0.0 | 123.5 | 0.0 | 123.5 |
| Maryland | 0.0 | 3.7 | 0.4 | 76.4 | 19.0 | 0.2 | 1.4 | 357.3 | 2.8 | 457.4 | 1.9 | 462.9 | 4.0 | 466.9 |
| Massachusetts | 0.0 | 2.0 | 0.5 | 63.8 | 35.2 | 0.1 | 2.1 | 343.7 | 2.6 | 447.9 | 1.2 | 451.1 | 2.6 | 453.7 |
| Michigan | 0.0 | 20.3 | 0.3 | 116.9 | 24.2 | 0.8 | 6.6 | 565.8 | 0.9 | 715.5 | (s) | 735.8 | (s) | 735.9 |
| Minnesota | 0.0 | 13.0 | 0.7 | 92.7 | 52.2 | 0.4 | 3.6 | 308.7 | 1.0 | 459.2 | 0.1 | 472.2 | 0.2 | 472.4 |
| Mississippi | 0.0 | 29.4 | 0.4 | 99.6 | 27.5 | 0.2 | 1.4 | 193.7 | 4.6 | 327.4 | 0.0 | 356.8 | 0.0 | 356.8 |
| Missouri | 0.0 | 3.7 | 0.4 | 141.7 | 20.6 | 1.0 | 4.2 | 392.8 | (s) | 560.7 | 0.1 | 564.5 | 0.2 | 564.7 |
| Montana | 0.0 | 4.9 | 0.4 | 35.3 | 4.5 | (s) | 0.9 | 60.0 | 0.0 | 101.1 | 0.0 | 106.0 | 0.0 | 106.0 |
| Nebraska | 0.0 | 6.6 | 0.3 | 57.2 | 4.0 | 0.1 | 1.6 | 101.0 | 0.0 | 164.1 | 0.0 | 170.7 | 0.0 | 170.7 |
| Nevada | 0.0 | 3.5 | 0.6 | 46.2 | 27.7 | 0.3 | 0.4 | 136.4 | 0.0 | 211.5 | (s) | 215.1 | 0.1 | 215.1 |
| New Hampshire | 0.0 | (s) | 0.2 | 14.3 | 1.9 | (s) | 0.3 | 89.0 | 0.0 | 105.7 | 0.0 | 105.8 | 0.0 | 105.8 |
| New Jersey | 0.0 | 1.9 | 0.3 | 107.0 | 195.2 | 0.2 | 3.2 | 522.9 | 67.5 | 896.2 | 1.1 | 899.3 | 2.3 | 901.6 |
| New Mexico | 0.0 | 11.4 | 0.4 | 63.5 | 7.6 | 0.2 | 1.0 | 118.3 | 0.0 | 191.0 | 0.0 | 202.4 | 0.0 | 202.4 |
| New York | 0.0 | 15.8 | 0.2 | 165.1 | 95.0 | 0.3 | 4.8 | 701.6 | 76.4 | 1,043.4 | 10.3 | 1,069.6 | 21.7 | 1,091.3 |
| North Carolina | 0.0 | 6.0 | 0.3 | 143.4 | 10.5 | 4.0 | 2.8 | 536.5 | 4.5 | 702.1 | (s) | 708.1 | (s) | 708.2 |
| North Dakota | 0.0 | 9.4 | 0.2 | 29.2 | 3.9 | 0.2 | 0.7 | 44.2 | 0.0 | 78.3 | 0.0 | 87.6 | 0.0 | 87.6 |
| Ohio | 0.0 | 15.0 | 1.1 | 214.3 | 72.3 | 0.9 | 6.4 | 614.9 | 0.0 | 909.8 | 0.1 | 924.9 | 0.3 | 925.2 |
| Oklahoma | 0.0 | 27.4 | 1.2 | 128.2 | 36.6 | 0.2 | 3.5 | 223.5 | 0.0 | 393.2 | 0.0 | 420.6 | 0.0 | 420.6 |
| Oregon | 0.0 | 8.4 | 0.7 | 88.3 | 37.0 | 0.6 | 2.4 | 189.3 | 5.0 | 323.2 | 0.1 | 331.7 | 0.2 | 331.8 |
| Pennsylvania | 0.0 | 37.5 | 0.4 | 207.5 | 70.7 | 0.7 | 5.9 | 630.9 | 15.6 | 931.7 | 3.0 | 972.2 | 6.3 | 978.5 |
| Rhode Island | 0.0 | 1.0 | (s) | 8.8 | 3.9 | (s) | 0.3 | 48.6 | 1.1 | 62.8 | 0.0 | 63.8 | 0.0 | 63.8 |
| South Carolina | 0.0 | 2.5 | 0.5 | 95.7 | 6.1 | 0.4 | 1.2 | 338.1 | 11.9 | 453.9 | 0.0 | 456.4 | 0.0 | 456.4 |
| South Dakota | 0.0 | 3.2 | 0.1 | 29.8 | 4.0 | 0.1 | 0.7 | 53.5 | 0.0 | 88.2 | 0.0 | 91.5 | 0.0 | 91.5 |
| Tennessee | 0.0 | 11.7 | 0.6 | 126.8 | 63.4 | 0.4 | 3.0 | 385.6 | 0.0 | 579.8 | (s) | 591.5 | (s) | 591.6 |
| Texas | 0.0 | 98.1 | 1.8 | 631.7 | 350.5 | 1.8 | 8.6 | 1,488.9 | 142.3 | 2,625.4 | 0.2 | 2,723.7 | 0.5 | 2,724.2 |
| Utah | 0.0 | 10.9 | 0.7 | 61.5 | 32.6 | 0.1 | 0.9 | 128.6 | 0.0 | 224.4 | 0.1 | 235.4 | 0.2 | 235.6 |
| Vermont | 0.0 | (s) | 0.1 | 9.2 | 2.9 | (s) | 0.2 | 41.0 | 0.0 | 53.5 | 0.0 | 53.5 | 0.0 | 53.5 |
| Virginia | 0.0 | 9.2 | 1.1 | 149.1 | 89.0 | 0.3 | 2.4 | 488.5 | 3.9 | 734.2 | 0.7 | 744.1 | 1.4 | 745.5 |
| Washington | 0.0 | 7.9 | 0.6 | 118.0 | 103.7 | 0.8 | 2.2 | 332.7 | 45.5 | 603.6 | (s) | 611.5 | (s) | 611.5 |
| West Virginia | 0.0 | 19.2 | 0.2 | 40.1 | 1.1 | 0.1 | 1.1 | 103.3 | 0.0 | 145.9 | (s) | 165.1 | (s) | 165.1 |
| Wisconsin | 0.0 | 1.7 | 0.2 | 103.1 | 14.1 | 0.6 | 2.3 | 308.2 | 0.0 | 428.6 | 0.0 | 430.4 | 0.0 | 430.4 |
| Wyoming | 0.0 | 18.6 | 1.2 | 56.9 | 2.4 | (s) | 0.7 | 41.3 | 0.0 | 102.6 | 0.0 | 121.1 | 0.0 | 121.1 |
| United States | 0.0 | 644.8 | 26.6 | 5,528.3 | 2,883.3 | 26.0 | 127.1 | 16,836.9 | 810.2 | 26,238.4 | 26.5 | 26,909.8 | 55.9 | 26,965.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and gas consumed as vehicle fuel.
[b] Includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial Sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes fuel ethanol.
[e] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
Where shown, (s) = Value less than 0.05 trillion Btu.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C9. Electric Power Sector Consumption Estimates, 2009
(Trillion Btu)

| State | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil | Petroleum: Distillate Fuel Oil | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [b] | Biomass: Wood and Waste [c] | Geothermal | Solar/PV [d] | Wind | Electricity Net Imports [e] | Total [f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 571.4 | 232.7 | 0.0 | 1.0 | 0.0 | 1.0 | 415.4 | 122.3 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,347.7 |
| Alaska | 6.3 | 38.3 | 3.4 | 3.5 | 0.0 | 6.9 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 0.1 | (s) | 64.6 |
| Arizona | 404.5 | 267.7 | 0.0 | 0.6 | 0.0 | 0.6 | 320.7 | 62.7 | 1.7 | 0.0 | 0.1 | 0.3 | -0.8 | 1,057.7 |
| Arkansas | 256.7 | 85.3 | 0.5 | 0.4 | 0.0 | 0.9 | 158.7 | 40.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 543.0 |
| California | 21.1 | 830.8 | 0.1 | 0.7 | 17.7 | 18.5 | 332.2 | 272.2 | 77.5 | 125.4 | 6.3 | 57.0 | 8.6 | 1,749.6 |
| Colorado | 340.5 | 119.2 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 18.4 | 0.8 | 0.0 | 0.2 | 30.9 | (s) | 508.0 |
| Connecticut | 26.3 | 71.7 | 3.1 | 0.3 | 0.0 | 3.4 | 174.2 | 5.0 | 13.5 | 0.0 | 0.0 | 0.0 | 8.2 | 302.3 |
| Delaware | 33.4 | 11.3 | 0.5 | 0.7 | 0.0 | 1.1 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 47.4 |
| Dist. of Col. | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| Florida | 557.5 | 935.7 | 59.8 | 6.1 | 31.2 | 97.1 | 304.6 | 2.0 | 53.5 | 0.0 | 0.1 | 0.0 | 0.0 | 1,950.4 |
| Georgia | 696.7 | 147.5 | (s) | 1.1 | 0.0 | 1.1 | 331.4 | 31.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,208.8 |
| Hawaii | 16.9 | 0.0 | 67.3 | 13.1 | 0.0 | 80.4 | 0.0 | 0.8 | 3.4 | 1.6 | (s) | 2.5 | 0.0 | 105.6 |
| Idaho | 0.0 | 12.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 101.8 | 1.5 | 0.7 | 0.0 | 3.1 | -0.2 | 119.8 |
| Illinois | 937.1 | 33.8 | (s) | 1.3 | 0.0 | 1.3 | 998.7 | 1.3 | 9.4 | 0.0 | (s) | 27.5 | (s) | 2,008.8 |
| Indiana | 1,132.9 | 37.0 | 0.0 | 1.5 | 0.1 | 1.6 | 0.0 | 4.9 | 3.0 | 0.0 | 0.0 | 13.7 | -0.1 | 1,192.8 |
| Iowa | 385.9 | 10.1 | 0.0 | 0.7 | 0.3 | 1.1 | 48.9 | 9.5 | 1.5 | 0.0 | 0.0 | 72.4 | 0.0 | 528.2 |
| Kansas | 353.6 | 32.5 | 0.0 | 0.5 | 1.6 | 2.1 | 91.7 | 0.1 | 0.0 | 0.0 | 0.0 | 27.9 | (s) | 508.0 |
| Kentucky | 892.4 | 8.6 | 0.0 | 1.6 | 22.6 | 24.2 | 0.0 | 32.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 958.5 |
| Louisiana | 252.2 | 229.2 | 0.4 | 0.4 | 17.1 | 17.9 | 175.5 | 12.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 688.0 |
| Maine | 0.9 | 38.5 | 3.1 | 0.1 | 0.0 | 3.2 | 0.0 | 33.7 | 30.2 | 0.0 | 0.0 | 2.9 | 6.8 | 116.2 |
| Maryland | 244.0 | 18.9 | 1.8 | 2.0 | 0.0 | 3.8 | 152.2 | 18.4 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 444.7 |
| Massachusetts | 90.7 | 155.3 | 7.6 | 1.5 | 0.0 | 9.1 | 56.4 | 11.6 | 20.9 | 0.0 | 0.0 | 0.1 | 15.6 | 359.7 |
| Michigan | 682.5 | 85.1 | 0.8 | 1.5 | 1.4 | 3.7 | 228.6 | 13.2 | 22.0 | 0.0 | 0.0 | 2.9 | 19.2 | 1,057.2 |
| Minnesota | 305.3 | 23.9 | (s) | 0.7 | 0.0 | 0.7 | 129.6 | 6.6 | 20.9 | 0.0 | 0.0 | 49.3 | 26.6 | 563.0 |
| Mississippi | 139.1 | 186.2 | 0.1 | 0.1 | 0.0 | 0.2 | 115.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440.6 |
| Missouri | 744.5 | 30.3 | 0.0 | 0.9 | 0.4 | 1.3 | 107.2 | 17.7 | 0.8 | 0.0 | 0.0 | 4.9 | 2.2 | 908.9 |
| Montana | 171.7 | 0.7 | 0.0 | 0.1 | 8.1 | 8.2 | 0.0 | 92.8 | 0.0 | 0.0 | 0.0 | 8.0 | -1.0 | 280.4 |
| Nebraska | 242.3 | 3.3 | (s) | 0.3 | 0.0 | 0.3 | 98.7 | 4.2 | 0.6 | 0.0 | 0.0 | 3.7 | (s) | 353.2 |
| Nevada | 80.4 | 198.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 24.0 | (s) | 15.9 | 1.7 | 0.0 | -0.1 | 320.3 |
| New Hampshire | 32.8 | 39.4 | 1.8 | 0.1 | 0.0 | 1.9 | 92.2 | 16.3 | 17.3 | 0.0 | 0.0 | 0.6 | 3.5 | 204.1 |
| New Jersey | 59.6 | 168.9 | 0.5 | 0.3 | 0.0 | 0.8 | 359.1 | 0.3 | 10.7 | 0.0 | 0.1 | 0.2 | 0.0 | 599.5 |
| New Mexico | 304.7 | 72.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 2.6 | 0.5 | 0.0 | 0.0 | 15.1 | -0.3 | 395.1 |
| New York | 131.8 | 375.1 | 20.5 | 4.3 | 1.8 | 26.6 | 454.8 | 268.3 | 31.5 | 0.0 | 0.0 | 22.1 | 33.4 | 1,343.7 |
| North Carolina | 650.4 | 40.2 | 0.0 | 2.8 | 0.0 | 2.8 | 427.3 | 50.3 | 11.0 | 0.0 | (s) | 0.0 | 0.0 | 1,182.1 |
| North Dakota | 327.7 | (s) | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 14.4 | 0.0 | 0.0 | 0.0 | 29.3 | 2.5 | 374.4 |
| Ohio | 1,170.2 | 38.9 | 0.0 | 2.8 | 10.7 | 13.5 | 159.1 | 5.2 | 3.0 | 0.0 | 0.0 | 0.1 | (s) | 1,389.9 |
| Oklahoma | 361.2 | 294.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 34.7 | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 716.5 |
| Oregon | 31.2 | 111.1 | 0.0 | (s) | 0.0 | (s) | 0.0 | 322.4 | 5.2 | 0.0 | 0.0 | 33.9 | 1.0 | 504.8 |
| Pennsylvania | 1,071.1 | 216.6 | 4.9 | 3.4 | 0.8 | 9.2 | 808.8 | 26.2 | 28.5 | 0.0 | (s) | 10.5 | 0.6 | 2,171.5 |
| Rhode Island | 0.0 | 56.6 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | (s) | 1.8 | 0.0 | 0.0 | 0.0 | 2.5 | 61.1 |
| South Carolina | 348.7 | 77.1 | 0.2 | 1.0 | 3.8 | 5.1 | 545.5 | 22.7 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,007.6 |
| South Dakota | 35.2 | 0.9 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 43.3 | 0.1 | 0.0 | 0.0 | 4.1 | (s) | 83.7 |
| Tennessee | 409.3 | 3.8 | 0.0 | 2.0 | 0.0 | 2.0 | 282.0 | 99.7 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 797.7 |
| Texas | 1,480.4 | 1,415.8 | 0.0 | 0.8 | 15.4 | 16.1 | 434.1 | 10.0 | 4.4 | 0.0 | 0.0 | 195.5 | 0.4 | 3,556.8 |
| Utah | 348.9 | 51.8 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 8.2 | 1.1 | 2.7 | 0.0 | 1.6 | -0.1 | 414.5 |
| Vermont | 0.0 | 0.1 | (s) | (s) | 0.0 | (s) | 56.1 | 14.3 | 5.7 | 0.0 | 0.0 | 0.1 | 8.7 | 84.9 |
| Virginia | 268.0 | 98.4 | 4.7 | 5.8 | 0.0 | 10.5 | 295.1 | 14.3 | 15.7 | 0.0 | 0.0 | 0.0 | 0.0 | 701.9 |
| Washington | 80.5 | 94.0 | 0.0 | 0.4 | 0.0 | 0.4 | 69.4 | 711.4 | 7.8 | 0.0 | 0.0 | 34.9 | -21.1 | 977.3 |
| West Virginia | 695.5 | 1.2 | 0.0 | 1.8 | 0.0 | 1.8 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | 715.7 |
| Wisconsin | 388.8 | 41.6 | 0.0 | 0.5 | 5.9 | 6.4 | 132.7 | 12.5 | 9.8 | 0.0 | 0.0 | 10.3 | 0.0 | 602.1 |
| Wyoming | 442.9 | 1.1 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 9.4 | 0.0 | 0.0 | 0.0 | 21.7 | -0.1 | 475.5 |
| United States | 18,225.6 | 7,043.4 | 181.0 | 70.1 | 138.9 | 389.9 | 8,356.0 | 2,649.9 | 441.0 | 146.5 | 8.7 | 721.1 | 116.2 | 38,094.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[c] Wood, wood-derived fuels, and biomass waste.
[d] Solar thermal and photovoltaic energy.
[e] Electricity traded with Canada and Mexico.
[f] Adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in the total.

Where shown, (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# 2009 Consumption Ranking Tables

## Table C10. Energy Consumption by End-Use Sector, Ranked by State, 2009

| Rank | Residential Sector | | Commercial Sector | | Industrial Sector | | Transportation Sector | | Total Consumption | |
|---|---|---|---|---|---|---|---|---|---|---|
| | State | Trillion Btu | State | Trillion Btu | State | Trillion Btu | State | Trillion Btu | State | Trillion Btu |
| 1 | Texas | 1,611.5 | California | 1,578.7 | Texas | 5,502.2 | California | 3,129.5 | Texas | 11,297.4 |
| 2 | California | 1,527.3 | Texas | 1,459.6 | Louisiana | 2,079.2 | Texas | 2,724.2 | California | 8,005.5 |
| 3 | Florida | 1,294.3 | New York | 1,233.2 | California | 1,770.0 | Florida | 1,452.7 | Florida | 4,295.2 |
| 4 | New York | 1,128.0 | Florida | 1,061.6 | Indiana | 1,150.1 | New York | 1,091.3 | New York | 3,818.5 |
| 5 | Illinois | 943.9 | Illinois | 773.6 | Ohio | 1,124.4 | Illinois | 989.6 | Illinois | 3,815.1 |
| 6 | Pennsylvania | 918.6 | Pennsylvania | 685.2 | Illinois | 1,108.0 | Pennsylvania | 978.5 | Pennsylvania | 3,654.1 |
| 7 | Ohio | 906.0 | Ohio | 678.0 | Pennsylvania | 1,071.8 | Georgia | 952.9 | Ohio | 3,633.7 |
| 8 | Michigan | 753.8 | New Jersey | 623.6 | Kentucky | 811.1 | Ohio | 925.2 | Louisiana | 3,366.3 |
| 9 | Georgia | 723.2 | Michigan | 595.1 | Alabama | 788.5 | New Jersey | 901.6 | Georgia | 2,949.3 |
| 10 | North Carolina | 712.3 | Virginia | 589.7 | Georgia | 720.0 | Virginia | 745.5 | Michigan | 2,696.6 |
| 11 | Virginia | 610.6 | North Carolina | 578.3 | Iowa | 682.5 | Michigan | 735.9 | Indiana | 2,622.6 |
| 12 | New Jersey | 576.8 | Georgia | 553.3 | Tennessee | 666.5 | North Carolina | 708.2 | North Carolina | 2,545.4 |
| 13 | Indiana | 523.1 | Maryland | 403.5 | Michigan | 611.8 | Louisiana | 646.8 | New Jersey | 2,393.6 |
| 14 | Tennessee | 515.4 | Missouri | 397.8 | Minnesota | 576.7 | Washington | 611.5 | Virginia | 2,385.8 |
| 15 | Missouri | 507.3 | Washington | 389.8 | Wisconsin | 548.4 | Indiana | 592.3 | Tennessee | 2,136.0 |
| 16 | Washington | 502.4 | Tennessee | 362.5 | North Carolina | 546.7 | Tennessee | 591.6 | Washington | 2,032.9 |
| 17 | Massachusetts | 439.5 | Indiana | 357.2 | Washington | 529.2 | Missouri | 564.7 | Alabama | 1,906.8 |
| 18 | Wisconsin | 418.8 | Minnesota | 352.3 | Oklahoma | 518.6 | Arizona | 493.6 | Kentucky | 1,876.6 |
| 19 | Minnesota | 408.1 | Arizona | 352.1 | South Carolina | 516.0 | Minnesota | 472.4 | Missouri | 1,817.8 |
| 20 | Maryland | 403.7 | Wisconsin | 346.9 | Florida | 486.6 | Alabama | 469.2 | Minnesota | 1,809.5 |
| 21 | Arizona | 400.8 | Colorado | 291.8 | Virginia | 440.0 | Maryland | 466.9 | Wisconsin | 1,744.6 |
| 22 | Alabama | 383.2 | Massachusetts | 289.8 | Colorado | 409.9 | Kentucky | 465.2 | South Carolina | 1,581.0 |
| 23 | Louisiana | 358.1 | Louisiana | 282.2 | Mississippi | 388.9 | South Carolina | 456.4 | Oklahoma | 1,490.6 |
| 24 | Kentucky | 358.1 | Alabama | 266.0 | Kansas | 386.0 | Massachusetts | 453.7 | Arizona | 1,454.3 |
| 25 | South Carolina | 352.0 | South Carolina | 256.6 | Arkansas | 372.5 | Wisconsin | 430.4 | Colorado | 1,452.2 |
| 26 | Colorado | 332.7 | Oklahoma | 247.4 | New York | 366.0 | Oklahoma | 420.6 | Maryland | 1,429.3 |
| 27 | Oklahoma | 303.9 | Kentucky | 242.3 | Missouri | 348.1 | Colorado | 417.9 | Massachusetts | 1,426.0 |
| 28 | Oregon | 274.3 | Oregon | 208.3 | Alaska | 325.4 | Mississippi | 356.8 | Iowa | 1,418.5 |
| 29 | Connecticut | 262.4 | Iowa | 198.5 | Nebraska | 301.0 | Oregon | 331.8 | Mississippi | 1,138.7 |
| 30 | Iowa | 234.6 | Connecticut | 197.6 | New Jersey | 291.6 | Iowa | 302.9 | Kansas | 1,084.3 |
| 31 | Mississippi | 227.8 | Kansas | 197.1 | Wyoming | 290.2 | Arkansas | 289.0 | Oregon | 1,066.5 |
| 32 | Arkansas | 226.3 | Arkansas | 167.0 | West Virginia | 274.0 | Kansas | 276.0 | Arkansas | 1,054.8 |
| 33 | Kansas | 225.2 | Mississippi | 165.2 | Oregon | 252.1 | Connecticut | 244.9 | Connecticut | 788.4 |
| 34 | Nevada | 172.7 | Utah | 152.3 | Massachusetts | 243.1 | Utah | 235.6 | Nebraska | 759.1 |
| 35 | West Virginia | 165.2 | Nebraska | 134.3 | New Mexico | 227.4 | Nevada | 215.1 | Utah | 754.5 |
| 36 | Utah | 165.1 | Nevada | 128.6 | North Dakota | 210.1 | New Mexico | 202.4 | West Virginia | 715.6 |
| 37 | Nebraska | 153.1 | District of Columbia | 124.5 | Arizona | 207.8 | Alaska | 190.6 | Nevada | 707.6 |
| 38 | Idaho | 129.9 | New Mexico | 122.4 | Utah | 201.5 | Nebraska | 170.7 | New Mexico | 670.1 |
| 39 | New Mexico | 118.0 | West Virginia | 111.3 | Nevada | 191.1 | West Virginia | 165.1 | Alaska | 630.4 |
| 40 | Maine | 94.0 | Idaho | 84.3 | Idaho | 169.9 | Hawaii | 128.8 | Wyoming | 520.3 |
| 41 | New Hampshire | 88.1 | Montana | 77.6 | Maryland | 155.3 | Idaho | 125.0 | Idaho | 509.0 |
| 42 | Montana | 87.8 | Maine | 73.3 | Montana | 140.0 | Maine | 123.5 | Maine | 430.5 |
| 43 | South Dakota | 69.4 | New Hampshire | 69.7 | Maine | 139.7 | Wyoming | 121.1 | North Dakota | 426.8 |
| 44 | Rhode Island | 69.2 | North Dakota | 62.9 | South Dakota | 138.6 | Montana | 106.0 | Montana | 411.5 |
| 45 | North Dakota | 66.1 | Wyoming | 61.3 | Connecticut | 83.6 | New Hampshire | 105.8 | South Dakota | 359.9 |
| 46 | Delaware | 64.2 | Alaska | 61.0 | Hawaii | 63.3 | South Dakota | 91.5 | New Hampshire | 303.0 |
| 47 | Alaska | 53.4 | South Dakota | 60.4 | Delaware | 60.3 | North Dakota | 87.6 | Hawaii | 269.8 |
| 48 | Vermont | 48.3 | Delaware | 59.3 | New Hampshire | 39.4 | Delaware | 70.8 | Delaware | 254.7 |
| 49 | Wyoming | 47.7 | Rhode Island | 56.6 | Rhode Island | 29.6 | Rhode Island | 63.8 | Rhode Island | 219.3 |
| 50 | Hawaii | 35.7 | Hawaii | 42.1 | Vermont | 24.4 | Vermont | 53.5 | District of Columbia | 182.4 |
| 51 | District of Columbia | 34.8 | Vermont | 31.8 | District of Columbia | 3.9 | District of Columbia | 19.2 | Vermont | 158.1 |
| | United States | 21,026.6 | United States | 17,895.6 | United States [a] | 28,559.0 | United States | 26,965.6 | United States [a] | 94,446.9 |

[a] Includes -23.8 trillion Btu of net imports of coal coke that is not allocated to the States.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C11. Energy Consumption by Source and Total Consumption per Capita, Ranked by State, 2009

| Rank | Coal | | Natural Gas [a] | | Petroleum [b] | | Retail Electricity Sales | | Total Consumption per Capita | |
|---|---|---|---|---|---|---|---|---|---|---|
| | State | Trillion Btu | State | Trillion Btu | State | Trillion Btu | State | Trillion Btu | State | Million Btu |
| 1 | Texas | 1,497.9 | Texas | 3,462.2 | Texas | 5,512.4 | Texas | 1,178.1 | Wyoming | 955.8 |
| 2 | Indiana | 1,365.4 | California | 2,391.4 | California | 3,590.0 | California | 885.7 | Alaska | 907.5 |
| 3 | Ohio | 1,267.3 | Louisiana | 1,300.3 | Florida | 1,682.6 | Florida | 766.8 | Louisiana | 749.8 |
| 4 | Pennsylvania | 1,223.9 | New York | 1,166.1 | New York | 1,465.0 | Ohio | 499.2 | North Dakota | 660.8 |
| 5 | Illinois | 1,015.0 | Florida | 1,081.8 | Louisiana | 1,385.4 | Pennsylvania | 490.5 | Iowa | 471.5 |
| 6 | Kentucky | 937.1 | Illinois | 958.3 | Pennsylvania | 1,317.7 | New York | 477.8 | Texas | 456.1 |
| 7 | Missouri | 765.6 | Pennsylvania | 833.8 | Illinois | 1,282.2 | Illinois | 466.4 | South Dakota | 443.8 |
| 8 | West Virginia | 742.9 | Ohio | 768.9 | Ohio | 1,204.7 | Georgia | 446.2 | Kentucky | 435.2 |
| 9 | Michigan | 735.9 | Michigan | 746.8 | New Jersey | 1,110.9 | North Carolina | 435.6 | Nebraska | 422.9 |
| 10 | Georgia | 723.4 | Oklahoma | 678.3 | Georgia | 1,061.8 | Virginia | 370.1 | Montana | 422.4 |
| 11 | North Carolina | 678.7 | New Jersey | 638.9 | North Carolina | 870.8 | Indiana | 338.9 | Indiana | 408.7 |
| 12 | Alabama | 631.0 | Colorado | 530.1 | Virginia | 863.8 | Michigan | 334.8 | Alabama | 405.1 |
| 13 | Florida | 581.5 | Indiana | 514.2 | Michigan | 860.9 | Tennessee | 322.9 | Oklahoma | 404.4 |
| 14 | Tennessee | 477.7 | Georgia | 475.4 | Indiana | 792.2 | Washington | 307.6 | West Virginia | 392.9 |
| 15 | Wyoming | 473.9 | Alabama | 473.9 | Tennessee | 778.4 | Kentucky | 303.0 | Mississippi | 386.0 |
| 16 | Iowa | 444.6 | Massachusetts | 408.6 | Washington | 777.1 | Alabama | 282.7 | Kansas | 384.9 |
| 17 | Wisconsin | 425.9 | Minnesota | 405.6 | Kentucky | 680.1 | Missouri | 271.9 | Arkansas | 365.3 |
| 18 | North Dakota | 423.3 | Wisconsin | 392.5 | Missouri | 676.6 | Louisiana | 268.4 | South Carolina | 347.1 |
| 19 | Arizona | 413.3 | Arizona | 376.7 | Minnesota | 625.6 | South Carolina | 260.7 | Minnesota | 343.8 |
| 20 | Oklahoma | 373.3 | Mississippi | 371.3 | Massachusetts | 595.2 | New Jersey | 258.6 | Tennessee | 339.5 |
| 21 | South Carolina | 372.0 | Alaska | 344.0 | Alabama | 593.0 | Arizona | 250.6 | New Mexico | 333.8 |
| 22 | Utah | 365.0 | Virginia | 330.6 | South Carolina | 560.6 | Wisconsin | 226.2 | Idaho | 329.5 |
| 23 | Kansas | 356.1 | Washington | 319.4 | Wisconsin | 552.2 | Minnesota | 218.4 | Maine | 327.1 |
| 24 | Colorado | 350.2 | Iowa | 317.4 | Maryland | 545.1 | Maryland | 213.6 | Ohio | 315.1 |
| 25 | Virginia | 334.6 | Kansas | 289.4 | Arizona | 540.3 | Oklahoma | 186.1 | Wisconsin | 308.7 |
| 26 | Minnesota | 328.7 | Nevada | 283.7 | Oklahoma | 500.7 | Massachusetts | 185.5 | Washington | 304.7 |
| 27 | New Mexico | 306.2 | Missouri | 266.5 | Colorado | 480.2 | Colorado | 174.1 | District of Columbia | 304.0 |
| 28 | Maryland | 266.9 | Oregon | 254.7 | Iowa | 423.4 | Oregon | 162.3 | Missouri | 303.9 |
| 29 | Arkansas | 264.1 | North Carolina | 250.6 | Mississippi | 414.6 | Mississippi | 157.1 | Virginia | 303.4 |
| 30 | Louisiana | 252.5 | Arkansas | 248.1 | Kansas | 392.7 | Iowa | 148.9 | Georgia | 300.5 |
| 31 | Nebraska | 249.6 | New Mexico | 247.1 | Oregon | 373.0 | Arkansas | 147.3 | Illinois | 295.9 |
| 32 | Montana | 172.8 | Utah | 223.6 | Connecticut | 353.4 | Kansas | 130.5 | Pennsylvania | 290.0 |
| 33 | New York | 156.0 | Tennessee | 222.6 | Arkansas | 349.1 | Nevada | 117.0 | Colorado | 289.6 |
| 34 | Mississippi | 141.7 | Kentucky | 214.0 | Utah | 271.2 | West Virginia | 103.3 | Delaware | 288.1 |
| 35 | Massachusetts | 92.1 | Maryland | 204.6 | Alaska | 257.6 | Connecticut | 101.4 | Oregon | 279.0 |
| 36 | Washington | 84.0 | South Carolina | 197.0 | New Mexico | 251.5 | Nebraska | 97.1 | New Jersey | 275.3 |
| 37 | Nevada | 83.8 | Connecticut | 187.8 | Nevada | 250.0 | Utah | 94.1 | North Carolina | 272.0 |
| 38 | New Jersey | 59.6 | Nebraska | 164.9 | Hawaii | 234.3 | Idaho | 77.6 | Utah | 271.3 |
| 39 | California | 52.4 | Wyoming | 145.7 | West Virginia | 218.3 | New Mexico | 73.9 | Michigan | 270.9 |
| 40 | South Dakota | 37.5 | West Virginia | 113.9 | Nebraska | 214.9 | Wyoming | 56.5 | Nevada | 268.2 |
| 41 | Delaware | 33.9 | Rhode Island | 94.9 | Maine | 206.1 | Montana | 48.9 | Vermont | 254.5 |
| 42 | Oregon | 33.2 | Idaho | 86.8 | Montana | 174.5 | North Dakota | 43.2 | Maryland | 251.3 |
| 43 | New Hampshire | 32.8 | Montana | 76.4 | Wyoming | 166.4 | District of Columbia | 41.6 | Florida | 232.0 |
| 44 | Connecticut | 26.3 | Maine | 73.0 | New Hampshire | 163.2 | Maine | 38.5 | New Hampshire | 229.2 |
| 45 | Hawaii | 19.0 | South Dakota | 66.3 | Idaho | 153.8 | Delaware | 38.4 | Connecticut | 224.3 |
| 46 | Alaska | 14.5 | New Hampshire | 62.0 | North Dakota | 128.5 | South Dakota | 37.6 | Arizona | 220.8 |
| 47 | Idaho | 8.4 | North Dakota | 57.6 | South Dakota | 120.0 | New Hampshire | 36.5 | California | 217.0 |
| 48 | Maine | 1.7 | Delaware | 51.7 | Rhode Island | 99.6 | Hawaii | 34.6 | Massachusetts | 216.3 |
| 49 | District of Columbia | 0.3 | District of Columbia | 33.5 | Delaware | 94.5 | Rhode Island | 26.0 | Hawaii | 209.5 |
| 50 | Rhode Island | 0.0 | Vermont | 8.7 | Vermont | 84.8 | Alaska | 21.4 | Rhode Island | 207.4 |
| 51 | Vermont | 0.0 | Hawaii | 2.7 | District of Columbia | 19.7 | Vermont | 18.8 | New York | 195.6 |
| | United States | 19,693.2 | United States | 23,414.4 | United States | 36,321.0 | United States | 12,272.5 | United States | 308.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Petroleum products that are consumed; includes fuel ethanol blended into motor gasoline.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table C12. Total Energy Consumption, Gross Domestic Product (GDP), Energy Consumption per Real Dollar of GDP, Ranked by State, 2009

| Rank | Total Energy Consumption | | Gross Domestic Product (GDP) | | Energy Consumption per Real Dollar of GDP | |
|---|---|---|---|---|---|---|
| | State | Trillion Btu | State | Billion Chained (2005) Dollars | State | Thousand Btu per Chained (2005) Dollar |
| 1 | Texas | 11,297.4 | California | 1,736.9 | Louisiana | 17.5 |
| 2 | California | 8,005.5 | Texas | 1,066.4 | North Dakota | 14.7 |
| 3 | Florida | 4,295.2 | New York | 976.6 | Wyoming | 14.7 |
| 4 | New York | 3,818.5 | Florida | 660.9 | Alaska | 14.1 |
| 5 | Illinois | 3,815.1 | Illinois | 560.0 | Kentucky | 13.5 |
| 6 | Pennsylvania | 3,654.1 | Pennsylvania | 492.0 | Mississippi | 13.2 |
| 7 | Ohio | 3,633.7 | New Jersey | 434.0 | West Virginia | 13.1 |
| 8 | Louisiana | 3,366.3 | Ohio | 420.4 | Montana | 12.8 |
| 9 | Georgia | 2,949.3 | Virginia | 367.4 | Alabama | 12.5 |
| 10 | Michigan | 2,696.6 | North Carolina | 360.6 | Arkansas | 11.5 |
| 11 | Indiana | 2,622.6 | Georgia | 356.3 | Iowa | 11.4 |
| 12 | North Carolina | 2,545.4 | Massachusetts | 329.8 | Indiana | 11.3 |
| 13 | New Jersey | 2,393.6 | Michigan | 327.4 | South Carolina | 11.2 |
| 14 | Virginia | 2,385.8 | Washington | 305.8 | Texas | 10.6 |
| 15 | Tennessee | 2,136.0 | Maryland | 256.0 | Idaho | 10.3 |
| 16 | Washington | 2,032.9 | Minnesota | 234.9 | Oklahoma | 10.1 |
| 17 | Alabama | 1,906.8 | Indiana | 232.3 | South Dakota | 10.0 |
| 18 | Kentucky | 1,876.6 | Colorado | 232.1 | Nebraska | 9.9 |
| 19 | Missouri | 1,817.8 | Arizona | 230.9 | Tennessee | 9.7 |
| 20 | Minnesota | 1,809.5 | Tennessee | 219.3 | New Mexico | 9.7 |
| 21 | Wisconsin | 1,744.6 | Wisconsin | 215.7 | Kansas | 9.6 |
| 22 | South Carolina | 1,581.0 | Missouri | 213.1 | Maine | 9.5 |
| 23 | Oklahoma | 1,490.6 | Connecticut | 198.4 | Ohio | 8.6 |
| 24 | Arizona | 1,454.3 | Louisiana | 192.1 | Missouri | 8.5 |
| 25 | Colorado | 1,452.2 | Oregon | 158.5 | Georgia | 8.3 |
| 26 | Maryland | 1,429.3 | Alabama | 152.5 | Michigan | 8.2 |
| 27 | Massachusetts | 1,426.0 | Oklahoma | 147.0 | Wisconsin | 8.1 |
| 28 | Iowa | 1,418.5 | South Carolina | 140.7 | Minnesota | 7.7 |
| 29 | Mississippi | 1,138.7 | Kentucky | 138.7 | Pennsylvania | 7.4 |
| 30 | Kansas | 1,084.3 | Iowa | 124.1 | Utah | 7.4 |
| 31 | Oregon | 1,066.5 | Kansas | 112.5 | North Carolina | 7.1 |
| 32 | Arkansas | 1,054.8 | Nevada | 111.9 | Vermont | 6.9 |
| 33 | Connecticut | 788.4 | Utah | 102.4 | Illinois | 6.8 |
| 34 | Nebraska | 759.1 | Arkansas | 91.8 | Oregon | 6.7 |
| 35 | Utah | 754.5 | District of Columbia | 87.8 | Washington | 6.6 |
| 36 | West Virginia | 715.6 | Mississippi | 86.3 | Florida | 6.5 |
| 37 | Nevada | 707.6 | Nebraska | 76.5 | Virginia | 6.5 |
| 38 | New Mexico | 670.1 | New Mexico | 69.1 | Nevada | 6.3 |
| 39 | Alaska | 630.4 | Hawaii | 58.7 | Arizona | 6.3 |
| 40 | Wyoming | 520.3 | West Virginia | 54.8 | Colorado | 6.3 |
| 41 | Idaho | 509.0 | Delaware | 54.2 | New Hampshire | 5.6 |
| 42 | Maine | 430.5 | New Hampshire | 53.7 | Maryland | 5.6 |
| 43 | North Dakota | 426.8 | Idaho | 49.6 | New Jersey | 5.5 |
| 44 | Montana | 411.5 | Maine | 45.5 | Rhode Island | 5.1 |
| 45 | South Dakota | 359.9 | Alaska | 44.6 | Delaware | 4.7 |
| 46 | New Hampshire | 303.0 | Rhode Island | 42.9 | California | 4.6 |
| 47 | Hawaii | 269.8 | South Dakota | 36.0 | Hawaii | 4.6 |
| 48 | Delaware | 254.7 | Wyoming | 35.5 | Massachusetts | 4.3 |
| 49 | Rhode Island | 219.3 | Montana | 32.0 | Connecticut | 4.0 |
| 50 | District of Columbia | 182.4 | North Dakota | 29.1 | New York | 3.9 |
| 51 | Vermont | 158.1 | Vermont | 22.9 | District of Columbia | 2.1 |
| | United States | 94,446.9 | United States | 12,880.6 | United States | 7.3 |

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# United States
# Consumption Tables

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, United States

| Year | Coal | Net Imports of Coal Coke | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | | Billion Cubic Feet | Million Barrels | | | | | | | Billion Kilowatthours | | Million Barrels |
| 1960 | 398 | (s) | 11,967 | 685 | 136 | 227 | 1,453 | 559 | 525 | 3,586 | 1 | 149 | NA |
| 1965 | 472 | -1 | 15,280 | 776 | 220 | 307 | 1,676 | 587 | 636 | 4,202 | 4 | 197 | NA |
| 1970 | 523 | -2 | 21,139 | 927 | 353 | 447 | 2,111 | 804 | 722 | 5,364 | 22 | 251 | NA |
| 1971 | 502 | -1 | 21,793 | 971 | 369 | 457 | 2,195 | 838 | 722 | 5,553 | 38 | 270 | NA |
| 1972 | 524 | -1 | 22,101 | 1,066 | 382 | 520 | 2,334 | 926 | 762 | 5,990 | 54 | 276 | NA |
| 1973 | 563 | (s) | 22,049 | 1,129 | 387 | 529 | 2,436 | 1,030 | 807 | 6,317 | 83 | 275 | NA |
| 1974 | 558 | 2 | 21,223 | 1,076 | 363 | 513 | 2,386 | 963 | 777 | 6,078 | 114 | 304 | NA |
| 1975 | 563 | 1 | 19,538 | 1,041 | 365 | 486 | 2,436 | 899 | 730 | 5,958 | 173 | 303 | NA |
| 1976 | 604 | (s) | 19,946 | 1,147 | 361 | 514 | 2,554 | 1,025 | 790 | 6,391 | 191 | 287 | NA |
| 1977 | 625 | 1 | 19,521 | 1,223 | 379 | 519 | 2,620 | 1,121 | 866 | 6,727 | 251 | 224 | NA |
| 1978 | 625 | 5 | 19,627 | 1,253 | 386 | 516 | 2,705 | 1,103 | 917 | 6,879 | 276 | 283 | NA |
| 1979 | 681 | 3 | 20,241 | 1,208 | 393 | 581 | 2,568 | 1,032 | 976 | 6,757 | 255 | 283 | NA |
| 1980 | 703 | -1 | 19,877 | 1,049 | 391 | 538 | 2,408 | 918 | 939 | 6,242 | 251 | 279 | NA |
| 1981 | 733 | -1 | 19,404 | 1,032 | 368 | 535 | 2,404 | 762 | 759 | 5,861 | 273 | 264 | 2 |
| 1982 | 707 | -1 | 18,001 | 975 | 370 | 547 | 2,387 | 627 | 678 | 5,583 | 283 | 312 | 5 |
| 1983 | 737 | -1 | 16,835 | 982 | 382 | 551 | 2,417 | 519 | 709 | 5,559 | 294 | 335 | 10 |
| 1984 | 791 | (s) | 17,951 | 1,041 | 430 | 576 | 2,449 | 501 | 758 | 5,756 | 328 | 324 | 12 |
| 1985 | 818 | -1 | 17,281 | 1,047 | 445 | 584 | 2,493 | 439 | 733 | 5,740 | 384 | 284 | 15 |
| 1986 | 804 | -1 | 16,221 | 1,064 | 477 | 552 | 2,567 | 518 | 764 | 5,942 | 414 | 294 | 17 |
| 1987 | 837 | (s) | 17,211 | 1,086 | 506 | 588 | 2,630 | 462 | 811 | 6,083 | 455 | 253 | 19 |
| 1988 | 884 | 2 | 18,030 | 1,143 | 530 | 606 | 2,685 | 504 | 857 | 6,326 | 527 | 226 | 20 |
| 1989 | 895 | 1 | 19,119 | 1,152 | 544 | 609 | 2,675 | 500 | 844 | 6,324 | 529 | 272 | 20 |
| 1990 | 904 | (s) | 19,174 | 1,103 | 556 | 568 | 2,641 | 449 | 885 | 6,201 | 577 | 293 | 18 |
| 1991 | 899 | (s) | 19,562 | 1,066 | 537 | 616 | 2,623 | 423 | 835 | 6,101 | 613 | 289 | 21 |
| 1992 | 908 | 1 | 20,228 | 1,090 | 532 | 642 | 2,660 | 401 | 909 | 6,234 | 619 | 253 | 23 |
| 1993 | 944 | 1 | 20,790 | 1,110 | 536 | 633 | 2,729 | 394 | 889 | 6,291 | 610 | 280 | 27 |
| 1994 | 951 | 2 | 21,247 | 1,154 | 557 | 686 | 2,774 | 373 | 922 | 6,467 | 640 | 260 | 31 |
| 1995 | 962 | 2 | 22,207 | 1,170 | 553 | 693 | 2,843 | 311 | 899 | 6,469 | 673 | 311 | 33 |
| 1996 | 1,006 | 1 | 22,609 | 1,232 | 578 | 736 | 2,888 | 311 | 957 | 6,701 | 675 | 347 | 24 |
| 1997 | 1,030 | 2 | 22,737 | 1,254 | 583 | 744 | 2,926 | 291 | 998 | 6,796 | 629 | 356 | 30 |
| 1998 | 1,037 | 3 | 22,246 | 1,263 | 592 | 713 | 3,012 | 324 | 1,001 | 6,905 | 674 | 323 | 33 |
| 1999 | 1,039 | 2 | 22,405 | 1,304 | 611 | 801 | 3,077 | 303 | 1,029 | 7,125 | 728 | 320 | 34 |
| 2000 | 1,084 | 3 | 23,333 | 1,362 | 631 | 816 | 3,101 | 333 | 967 | 7,211 | 754 | 276 | 39 |
| 2001 | 1,060 | 1 | 22,239 | 1,404 | 604 | 746 | 3,143 | 296 | 979 | 7,172 | 769 | 217 | 41 |
| 2002 | 1,066 | 2 | 23,007 | 1,378 | 589 | 789 | 3,229 | 255 | 972 | 7,213 | 780 | 264 | 49 |
| 2003 | 1,095 | 2 | 22,277 | 1,433 | 576 | 757 | 3,261 | 282 | 1,003 | 7,312 | 764 | 276 | 67 |
| 2004 | 1,107 | 6 | 22,389 | 1,485 | 597 | 780 | 3,333 | 316 | 1,076 | 7,588 | 789 | 268 | 85 |
| 2005 | 1,126 | 2 | 22,011 | 1,503 | 613 | 741 | 3,343 | 336 | 1,057 | 7,593 | 782 | 270 | 97 |
| 2006 | 1,112 | 2 | 21,685 | 1,522 | 596 | 749 | 3,377 | 251 | 1,055 | 7,551 | 787 | 289 | 131 |
| 2007 | 1,128 | 1 | 23,097 | 1,532 | 592 | 761 | 3,389 | 264 | 1,011 | 7,548 | 806 | 248 | 164 |
| 2008 | 1,121 | 2 | R 23,268 | 1,444 | 563 | 715 | 3,290 | 228 | 896 | 7,136 | 806 | 255 | 231 |
| 2009 | 997 | -1 | 22,839 | 1,325 | 509 | 749 | 3,284 | 187 | 799 | 6,852 | 799 | 273 | 263 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, United States

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Petroleum | | | | | | | | | |
| | Coal | Net Imports of Coal Coke | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 9,831 | -6 | 12,385 | 3,992 | 739 | 912 | 7,631 | 3,517 | 3,129 | 19,919 | 42,130 | *12,385* | *7,631* |
| 1965 | 11,582 | -18 | 15,779 | 4,519 | 1,215 | 1,232 | 8,806 | 3,691 | 3,784 | 23,246 | 50,589 | *15,779* | *8,806* |
| 1970 | 12,269 | -58 | 21,693 | 5,401 | 1,973 | 1,689 | 11,091 | 5,057 | 4,312 | 29,522 | 63,426 | *21,693* | *11,091* |
| 1971 | 11,603 | -33 | 22,365 | 5,658 | 2,061 | 1,723 | 11,532 | 5,269 | 4,322 | 30,564 | 64,499 | *22,365* | *11,532* |
| 1972 | 12,110 | -26 | 22,682 | 6,210 | 2,141 | 1,955 | 12,259 | 5,820 | 4,563 | 32,947 | 67,713 | *22,682* | *12,259* |
| 1973 | 12,960 | -7 | 22,595 | 6,575 | 2,167 | 1,981 | 12,797 | 6,477 | 4,841 | 34,837 | 70,385 | *22,595* | *12,797* |
| 1974 | 12,651 | 56 | 21,730 | 6,267 | 2,030 | 1,914 | 12,535 | 6,056 | 4,652 | 33,454 | 67,891 | *21,730* | *12,535* |
| 1975 | 12,656 | 14 | 19,977 | 6,061 | 2,047 | 1,807 | 12,798 | 5,649 | 4,370 | 32,732 | 65,378 | *19,977* | *12,798* |
| 1976 | 13,576 | (s) | 20,381 | 6,679 | 2,026 | 1,907 | 13,415 | 6,445 | 4,705 | 35,178 | 69,135 | *20,381* | *13,415* |
| 1977 | 13,907 | 15 | 19,972 | 7,126 | 2,126 | 1,908 | 13,760 | 7,047 | 5,156 | 37,124 | 71,018 | *19,972* | *13,760* |
| 1978 | 13,770 | 125 | 20,068 | 7,296 | 2,164 | 1,892 | 14,211 | 6,936 | 5,464 | 37,963 | 71,925 | *20,068* | *14,211* |
| 1979 | 15,042 | 63 | 20,688 | 7,039 | 2,204 | 2,138 | 13,487 | 6,485 | 5,768 | 37,122 | 72,914 | *20,688* | *13,487* |
| 1980 | 15,461 | -35 | 20,227 | 6,110 | 2,190 | 1,976 | 12,648 | 5,772 | 5,508 | 34,204 | 69,857 | *20,384* | *12,648* |
| 1981 | 15,938 | -16 | 19,750 | 6,014 | 2,062 | 1,949 | 12,631 | 4,791 | 4,485 | 31,932 | 67,604 | *19,928* | *12,631* |
| 1982 | 15,269 | -22 | 18,367 | 5,679 | 2,072 | 1,978 | 12,538 | 3,939 | 4,027 | 30,232 | 63,847 | *18,515* | *12,538* |
| 1983 | 15,867 | -16 | 17,212 | 5,720 | 2,141 | 1,990 | 12,697 | 3,260 | 4,244 | 30,052 | 63,116 | *17,348* | *12,697* |
| 1984 | 17,014 | -11 | 18,390 | 6,065 | 2,414 | 2,071 | 12,867 | 3,151 | 4,485 | 31,053 | 66,445 | *18,503* | *12,867* |
| 1985 | 17,540 | -13 | 17,714 | 6,098 | 2,497 | 2,103 | 13,098 | 2,759 | 4,371 | 30,925 | 66,165 | *17,843* | *13,098* |
| 1986 | 17,241 | -17 | 16,603 | 6,196 | 2,682 | 2,009 | 13,487 | 3,255 | 4,568 | 32,198 | 66,025 | *16,718* | *13,487* |
| 1987 | 17,950 | 9 | 17,647 | 6,328 | 2,843 | 2,153 | 13,816 | 2,901 | 4,823 | 32,864 | 68,469 | *17,750* | *13,816* |
| 1988 | 18,886 | 40 | 18,460 | 6,655 | 2,982 | 2,213 | 14,105 | 3,170 | 5,097 | 34,223 | 71,609 | *18,563* | *14,105* |
| 1989 | 19,055 | 30 | 19,607 | 6,712 | 3,059 | 2,243 | 14,050 | 3,144 | 5,002 | 34,209 | 72,902 | *19,716* | *14,050* |
| 1990 | 19,168 | 5 | 19,628 | 6,422 | 3,129 | 2,059 | 13,872 | 2,820 | 5,249 | 33,552 | 72,352 | *19,752* | *13,872* |
| 1991 | 18,989 | 10 | 20,033 | 6,210 | 3,025 | 2,227 | 13,781 | 2,657 | 4,945 | 32,846 | 71,878 | *20,148* | *13,781* |
| 1992 | 19,118 | 35 | 20,724 | 6,351 | 3,001 | 2,328 | 13,973 | 2,518 | 5,354 | 33,525 | 73,401 | *20,844* | *13,973* |
| 1993 | 19,836 | 27 | 21,255 | 6,466 | 3,028 | 2,282 | R 14,240 | 2,479 | 5,253 | R 33,747 | R 74,866 | *21,376* | *14,335* |
| 1994 | 19,904 | 58 | 21,757 | 6,723 | 3,154 | 2,494 | R 14,404 | 2,342 | 5,445 | R 34,564 | R 76,283 | *21,870* | *14,511* |
| 1995 | 20,099 | 61 | 22,721 | 6,818 | 3,132 | 2,512 | R 14,711 | 1,955 | 5,314 | R 34,442 | R 77,322 | *22,833* | *14,825* |
| 1996 | 21,002 | 23 | 23,151 | 7,175 | 3,274 | 2,660 | R 14,982 | 1,952 | 5,635 | R 35,677 | R 79,854 | *23,262* | *15,064* |
| 1997 | 21,444 | 46 | 23,372 | 7,304 | 3,308 | 2,690 | R 15,150 | 1,828 | 5,881 | R 36,162 | R 81,024 | *23,477* | *15,254* |
| 1998 | 21,583 | 67 | 22,912 | 7,359 | 3,357 | 2,575 | R 15,586 | 2,036 | 5,905 | R 36,819 | R 81,381 | *23,016* | *15,701* |
| 1999 | 21,582 | 58 | 22,925 | 7,595 | 3,462 | 2,897 | R 15,916 | 1,905 | 6,066 | R 37,841 | R 82,406 | *23,026* | *16,036* |
| 2000 | 22,576 | 65 | 23,711 | 7,935 | 3,580 | 2,945 | R 16,018 | 2,091 | 5,695 | R 38,265 | R 84,617 | *23,803* | *16,155* |
| 2001 | 21,906 | 29 | 22,748 | 8,179 | 3,426 | 2,697 | R 16,229 | 1,861 | 5,797 | R 38,189 | R 82,873 | *22,836* | *16,373* |
| 2002 | 21,903 | 61 | 23,493 | 8,028 | 3,340 | 2,852 | R 16,648 | 1,605 | 5,755 | R 38,229 | R 83,685 | *23,561* | *16,819* |
| 2003 | 22,324 | 51 | 22,823 | 8,349 | 3,265 | 2,747 | R 16,748 | 1,772 | 5,936 | R 38,817 | R 84,014 | *22,891* | *16,981* |
| 2004 | 22,466 | 138 | 22,913 | 8,652 | 3,383 | 2,824 | R 17,086 | 1,990 | 6,365 | R 40,299 | R 85,816 | *22,974* | *17,379* |
| 2005 | 22,795 | 44 | 22,563 | 8,755 | 3,475 | 2,682 | R 17,109 | 2,111 | 6,265 | R 40,397 | R 85,800 | *22,628* | *17,444* |
| 2006 | 22,446 | 61 | 22,210 | 8,864 | 3,379 | 2,701 | R 17,169 | 1,581 | 6,274 | R 39,968 | R 84,684 | *22,277* | *17,622* |
| 2007 | 22,750 | 25 | 23,665 | 8,921 | 3,358 | 2,733 | R 17,120 | 1,659 | 5,999 | R 39,789 | R 86,229 | *23,729* | *17,689* |
| 2008 | 22,385 | 41 | R 23,827 | 8,411 | 3,193 | 2,574 | R 16,367 | 1,432 | 5,324 | R 37,302 | R 83,555 | R *23,889* | *17,168* |
| 2009 | 19,693 | -24 | 23,348 | 7,720 | 2,883 | 2,664 | 16,225 | 1,173 | 4,746 | 35,411 | 78,429 | *23,414* | *17,135* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, United States (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | |
| 1960 | 6 | 1,608 | 1,320 | NA | NA | 1,320 | R (s) | NA | NA | R 2,928 | 15 | R 45,079 |
| 1965 | 43 | 2,059 | 1,335 | NA | NA | 1,335 | R 2 | NA | NA | R 3,396 | (s) | R 54,028 |
| 1970 | 239 | 2,634 | 1,431 | NA | NA | 1,431 | R 6 | NA | NA | R 4,070 | 7 | R 67,742 |
| 1971 | 413 | 2,824 | 1,432 | NA | NA | 1,432 | R 6 | NA | NA | R 4,262 | 12 | R 69,187 |
| 1972 | 584 | 2,864 | 1,503 | NA | NA | 1,503 | R 15 | NA | NA | R 4,382 | 26 | R 72,705 |
| 1973 | 910 | 2,861 | 1,529 | NA | NA | 1,529 | R 20 | NA | NA | R 4,411 | 49 | R 75,755 |
| 1974 | 1,272 | 3,177 | 1,540 | NA | NA | 1,540 | R 26 | NA | NA | R 4,742 | 43 | R 73,948 |
| 1975 | 1,900 | 3,155 | 1,499 | NA | NA | 1,499 | R 34 | NA | NA | R 4,687 | 21 | R 71,986 |
| 1976 | 2,111 | 2,976 | 1,713 | NA | NA | 1,713 | R 38 | NA | NA | R 4,727 | 29 | R 76,002 |
| 1977 | 2,702 | 2,333 | 1,838 | NA | NA | 1,838 | R 37 | NA | NA | R 4,209 | 59 | R 77,988 |
| 1978 | 3,024 | 2,937 | 2,038 | NA | NA | 2,038 | R 31 | NA | NA | R 5,005 | 67 | R 80,022 |
| 1979 | 2,776 | 2,931 | 2,152 | NA | NA | 2,152 | R 40 | NA | NA | R 5,123 | 69 | R 80,882 |
| 1980 | 2,739 | 2,900 | 2,472 | NA | NA | 2,472 | R 53 | NA | NA | R 5,425 | 71 | R 78,092 |
| 1981 | 3,008 | 2,758 | 2,587 | 7 | 6 | 2,600 | R 59 | NA | NA | R 5,417 | 113 | R 76,142 |
| 1982 | 3,131 | 3,266 | 2,630 | 19 | 16 | 2,665 | R 51 | NA | NA | R 5,981 | 100 | R 73,059 |
| 1983 | 3,203 | 3,527 | 2,841 | 34 | 29 | R 2,904 | R 64 | NA | (s) | R 6,496 | 121 | R 72,934 |
| 1984 | 3,553 | 3,386 | 2,894 | 42 | 35 | R 2,972 | R 81 | (s) | (s) | R 6,438 | 135 | R 76,571 |
| 1985 | 4,076 | 2,970 | 2,923 | 51 | 42 | R 3,016 | R 97 | (s) | (s) | R 6,084 | 140 | R 76,464 |
| 1986 | 4,380 | 3,071 | 2,825 | 59 | 48 | R 2,932 | R 108 | (s) | (s) | R 6,111 | 122 | R 76,639 |
| 1987 | 4,754 | 2,635 | 2,755 | 68 | 55 | R 2,878 | R 112 | (s) | (s) | R 5,625 | 158 | R 79,006 |
| 1988 | 5,587 | 2,334 | 2,892 | 69 | 55 | R 3,016 | R 106 | (s) | (s) | R 5,457 | 108 | R 82,761 |
| 1989 | 5,602 | 2,837 | 3,034 | 70 | 56 | R 3,159 | R 162 | 55 | 22 | R 6,235 | 37 | R 84,777 |
| 1990 | 6,104 | 3,046 | 2,626 | 62 | 49 | R 2,737 | R 171 | R 59 | 29 | R 6,043 | 8 | R 84,507 |
| 1991 | 6,422 | 3,016 | 2,654 | 72 | 56 | R 2,782 | R 178 | R 62 | 31 | R 6,069 | 67 | R 84,435 |
| 1992 | 6,479 | 2,617 | 2,787 | 81 | 64 | R 2,932 | R 179 | 64 | 30 | R 5,821 | 87 | R 85,788 |
| 1993 | 6,410 | 2,892 | 2,737 | 95 | 74 | R 2,906 | R 186 | 66 | 31 | R 6,080 | 95 | R 87,451 |
| 1994 | 6,694 | 2,683 | 2,839 | 106 | 82 | R 3,028 | R 173 | R 68 | 36 | R 5,988 | 153 | R 89,118 |
| 1995 | 7,075 | 3,205 | 2,901 | 114 | 86 | R 3,101 | R 152 | R 69 | 33 | R 6,561 | 134 | R 91,092 |
| 1996 | 7,087 | 3,590 | 3,014 | 82 | 61 | R 3,157 | R 163 | R 70 | 33 | R 7,014 | 137 | R 94,091 |
| 1997 | 6,597 | 3,640 | 2,919 | 104 | 80 | R 3,103 | R 167 | 70 | 34 | R 7,013 | 116 | R 94,750 |
| 1998 | 7,068 | 3,297 | 2,726 | 115 | 86 | R 2,928 | R 168 | R 69 | 31 | R 6,493 | 88 | R 95,030 |
| 1999 | 7,610 | 3,268 | 2,764 | 119 | 90 | R 2,973 | R 172 | R 68 | 46 | R 6,527 | 99 | R 96,642 |
| 2000 | 7,862 | 2,811 | 2,783 | 137 | 99 | R 3,018 | R 164 | R 65 | 57 | R 6,116 | 115 | R 98,711 |
| 2001 | 8,029 | 2,242 | 2,374 | 144 | 108 | R 2,625 | R 164 | R 64 | 70 | R 5,166 | 75 | R 96,142 |
| 2002 | 8,145 | 2,689 | 2,397 | 171 | 130 | R 2,699 | R 171 | R 63 | 105 | R 5,727 | 72 | R 97,629 |
| 2003 | 7,959 | 2,825 | 2,403 | 233 | 169 | R 2,806 | R 175 | R 62 | 115 | R 5,982 | 22 | R 97,977 |
| 2004 | 8,222 | 2,690 | 2,510 | 293 | 203 | R 3,006 | R 178 | R 63 | 142 | R 6,079 | 39 | R 100,155 |
| 2005 | 8,161 | 2,703 | 2,538 | 335 | 230 | R 3,103 | R 181 | R 63 | 178 | R 6,228 | 84 | R 100,273 |
| 2006 | 8,215 | 2,869 | 2,505 | 453 | 285 | R 3,243 | R 181 | R 68 | 264 | R 6,625 | 63 | R 99,588 |
| 2007 | 8,455 | 2,446 | 2,511 | 569 | 376 | R 3,456 | R 186 | R 76 | 341 | R 6,504 | 107 | R 101,296 |
| 2008 | 8,427 | 2,511 | 2,480 | 800 | 531 | R 3,811 | R 192 | R 89 | 546 | R 7,149 | 112 | R 99,242 |
| 2009 | 8,356 | 2,669 | 2,332 | 910 | 616 | 3,858 | 200 | 98 | 721 | 7,546 | 116 | 94,447 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Net Imports of Coal Coke | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | | Billion Cubic Feet | Million Barrels | | | | | | | Billion Kilowatt-hours | | | | | Billion Kilowatt-hours | | | |
| 1960 | 221 | (s) | 10,242 | 681 | 136 | 227 | 1,453 | 475 | 525 | 3,498 | 4 | – – | – – | – – | – – | 688 | – – | – – | – – |
| 1965 | 227 | -1 | 12,959 | 771 | 220 | 307 | 1,676 | 477 | 636 | 4,087 | 3 | – – | – – | – – | – – | 954 | – – | – – | – – |
| 1970 | 203 | -2 | 17,208 | 903 | 353 | 447 | 2,111 | 493 | 719 | 5,026 | 3 | – – | – – | – – | – – | 1,392 | – – | – – | – – |
| 1975 | 157 | 1 | 16,380 | 1,005 | 362 | 486 | 2,436 | 431 | 730 | 5,451 | 3 | – – | – – | – – | – – | 1,747 | – – | – – | – – |
| 1980 | 133 | -1 | 16,196 | 1,022 | 389 | 538 | 2,408 | 527 | 938 | 5,821 | 3 | – – | – – | – – | – – | 2,094 | – – | – – | – – |
| 1985 | 124 | -1 | 14,237 | 1,032 | 445 | 584 | 2,493 | 280 | 732 | 5,566 | 3 | – – | – – | – – | – – | 2,324 | – – | – – | – – |
| 1990 | 122 | (s) | 15,929 | 1,086 | 556 | 568 | 2,641 | 264 | 880 | 5,994 | 3 | – – | – – | – – | – – | 2,713 | – – | – – | – – |
| 1995 | 112 | 2 | 17,970 | 1,152 | 553 | 693 | 2,843 | 221 | 886 | 6,348 | 5 | – – | – – | – – | – – | 3,013 | – – | – – | – – |
| 2000 | 98 | 3 | 18,127 | 1,332 | 631 | 816 | 3,101 | 194 | 951 | 7,026 | 4 | – – | – – | – – | – – | 3,421 | – – | – – | – – |
| 2001 | 96 | 1 | 16,896 | 1,375 | 604 | 746 | 3,143 | 137 | 961 | 6,966 | 3 | – – | – – | – – | – – | 3,394 | – – | – – | – – |
| 2002 | 89 | 2 | 17,335 | 1,356 | 589 | 789 | 3,229 | 151 | 942 | 7,057 | 4 | – – | – – | – – | – – | 3,465 | – – | – – | – – |
| 2003 | 90 | 2 | 17,141 | 1,406 | 576 | 757 | 3,261 | 144 | 974 | 7,117 | 4 | – – | – – | – – | – – | 3,494 | – – | – – | – – |
| 2004 | 91 | 6 | 16,925 | 1,466 | 597 | 780 | 3,333 | 177 | 1,039 | 7,392 | 3 | – – | – – | – – | – – | 3,547 | – – | – – | – – |
| 2005 | 88 | 2 | 16,141 | 1,483 | 613 | 741 | 3,343 | 196 | 1,017 | 7,393 | 3 | – – | – – | – – | – – | 3,661 | – – | – – | – – |
| 2006 | 86 | 2 | 15,463 | 1,509 | 596 | 749 | 3,377 | 194 | 1,020 | 7,445 | 3 | – – | – – | – – | – – | 3,670 | – – | – – | – – |
| 2007 | 83 | 1 | 16,256 | 1,516 | 592 | 761 | 3,389 | 201 | 982 | 7,442 | 2 | – – | – – | – – | – – | 3,765 | – – | – – | – – |
| 2008 | 80 | 2 | 16,600 | 1,431 | 563 | 715 | 3,290 | 189 | 871 | 7,060 | 2 | – – | – – | – – | – – | 3,733 | – – | – – | – – |
| 2009 | 64 | -1 | 15,967 | 1,313 | 509 | 749 | 3,284 | 158 | 776 | 6,788 | 2 | – – | – – | – – | – – | 3,597 | – – | – – | – – |
| | | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 5,604 | -6 | 10,600 | 3,969 | 738 | 912 | 7,631 | 2,987 | 3,130 | 19,367 | 39 | 1,318 | NA | NA | NA | 2,348 | 39,270 | 5,809 | 45,079 |
| 1965 | 5,761 | -18 | 13,371 | 4,490 | 1,214 | 1,232 | 8,806 | 2,997 | 3,784 | 22,524 | 33 | 1,332 | NA | NA | NA | 3,254 | 46,256 | 7,771 | 54,028 |
| 1970 | 5,041 | -58 | 17,645 | 5,260 | 1,973 | 1,688 | 11,091 | 3,099 | 4,293 | 27,404 | 34 | 1,427 | NA | NA | NA | 4,750 | 56,244 | 11,497 | 67,742 |
| 1975 | 3,866 | 14 | 16,746 | 5,853 | 2,029 | 1,807 | 12,798 | 2,712 | 4,368 | 29,566 | 32 | 1,497 | NA | NA | NA | 5,961 | 57,682 | 14,304 | 71,986 |
| 1980 | 3,303 | -35 | 16,580 | 5,952 | 2,179 | 1,976 | 12,648 | 3,312 | 5,503 | 31,571 | 33 | 2,467 | NA | NA | NA | 7,146 | 60,914 | 17,178 | 78,092 |
| 1985 | 2,954 | -14 | 14,686 | 6,012 | 2,497 | 2,103 | 13,098 | 1,761 | 4,364 | 29,834 | 33 | 2,909 | 42 | NA | NA | 7,929 | 58,300 | 18,164 | 76,464 |
| 1990 | 2,909 | 5 | 16,420 | 6,326 | 3,130 | 2,059 | 13,872 | 1,657 | 5,219 | 32,262 | 32 | 2,310 | 49 | 10 | 56 | 9,255 | 63,252 | 21,255 | 84,507 |
| 1995 | 2,634 | 61 | 18,506 | 6,710 | 3,132 | 2,512 | 14,826 | 1,389 | 5,234 | 33,801 | 56 | 2,480 | 86 | 14 | 64 | 10,281 | 67,878 | 23,214 | 91,092 |
| 2000 | 2,356 | 65 | 18,485 | 7,761 | 3,580 | 2,945 | 16,155 | 1,220 | 5,597 | 37,258 | 43 | 2,330 | 99 | 21 | 60 | 11,674 | 72,306 | 26,405 | 98,711 |
| 2001 | 2,293 | 29 | 17,340 | 8,008 | 3,426 | 2,697 | 16,373 | 859 | 5,694 | 37,057 | 33 | 2,037 | 108 | 22 | 59 | 11,582 | 70,479 | 25,664 | 96,142 |
| 2002 | 2,120 | 61 | 17,772 | 7,901 | 3,340 | 2,852 | 16,819 | 947 | 5,580 | 37,439 | 39 | 2,017 | 130 | 24 | 57 | 11,824 | 71,419 | 26,210 | 97,629 |
| 2003 | 2,139 | 50 | 17,632 | 8,188 | 3,266 | 2,747 | 16,981 | 902 | 5,761 | 37,846 | 44 | 2,006 | 169 | 27 | 56 | 11,921 | 71,826 | 26,151 | 97,977 |
| 2004 | 2,161 | 138 | 17,366 | 8,541 | 3,382 | 2,824 | 17,379 | 1,111 | 6,143 | 39,380 | 34 | 2,122 | 203 | 30 | 57 | 12,104 | 73,536 | 26,620 | 100,155 |
| 2005 | 2,058 | 44 | 16,592 | 8,641 | 3,475 | 2,682 | 17,444 | 1,235 | 6,022 | 39,498 | 33 | 2,132 | 230 | 34 | 58 | 12,491 | 73,111 | 27,162 | 100,273 |
| 2006 | 1,984 | 61 | 15,884 | 8,790 | 3,379 | 2,701 | 17,622 | 1,220 | 6,060 | 39,772 | 30 | 2,093 | 285 | 37 | 63 | 12,522 | 72,668 | 26,919 | 99,588 |
| 2007 | 1,943 | 25 | 16,701 | 8,832 | 3,358 | 2,733 | 17,689 | 1,262 | 5,828 | 39,701 | 16 | 2,088 | 376 | 41 | 70 | 12,845 | 73,747 | 27,548 | 101,296 |
| 2008 | 1,872 | 41 | 17,040 | 8,338 | 3,193 | 2,574 | 17,168 | 1,191 | 5,170 | 37,634 | 17 | 2,045 | 531 | 46 | 80 | 12,737 | 71,985 | 27,258 | 99,242 |
| 2009 | 1,468 | -24 | 16,371 | 7,650 | 2,883 | 2,664 | 17,134 | 992 | 4,607 | 35,931 | 19 | 1,891 | 616 | 54 | 89 | 12,272 | 68,625 | 25,822 | 94,447 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | Billion Cubic Feet | Million Barrels | | | | Million Cords | | | Billion Kilowatthours | | | |
| 1960 | 24 | 3,103 | 269 | 62 | 79 | 411 | 31 | – – | – – | 201 | – – | – – | – – |
| 1965 | 15 | 3,903 | 294 | 59 | 100 | 453 | 23 | – – | – – | 291 | – – | – – | – – |
| 1970 | 9 | 4,837 | 322 | 53 | 143 | 518 | 20 | – – | – – | 466 | – – | – – | – – |
| 1975 | 3 | 4,924 | 310 | 28 | 133 | 472 | 21 | – – | – – | 588 | – – | – – | – – |
| 1980 | 1 | 4,752 | 226 | 19 | 81 | 326 | 42 | – – | – – | 717 | – – | – – | – – |
| 1985 | 2 | 4,433 | 188 | 28 | 82 | 297 | 51 | – – | – – | 794 | – – | – – | – – |
| 1990 | 1 | 4,391 | 168 | 11 | 92 | 271 | 29 | – – | – – | 924 | – – | – – | – – |
| 1995 | 1 | 4,850 | 155 | 13 | 103 | 271 | 26 | – – | – – | 1,043 | – – | – – | – – |
| 1996 | 1 | 5,241 | 159 | 16 | 122 | 297 | 27 | – – | – – | 1,083 | – – | – – | – – |
| 1997 | 1 | 4,984 | 150 | 16 | 119 | 285 | 21 | – – | – – | 1,076 | – – | – – | – – |
| 1998 | 1 | 4,520 | 133 | 19 | 111 | 262 | 19 | – – | – – | 1,130 | – – | – – | – – |
| 1999 | 1 | 4,726 | 142 | 20 | 137 | 299 | 20 | – – | – – | 1,145 | – – | – – | – – |
| 2000 | (s) | 4,996 | 155 | 17 | 145 | 317 | 22 | – – | – – | 1,192 | – – | – – | – – |
| 2001 | (s) | 4,771 | 156 | 17 | 137 | 310 | 19 | – – | – – | 1,202 | – – | – – | – – |
| 2002 | 1 | 4,889 | 148 | 11 | 140 | 298 | 19 | – – | – – | 1,265 | – – | – – | – – |
| 2003 | 1 | 5,079 | 155 | 12 | 142 | 310 | 20 | – – | – – | 1,276 | – – | – – | – – |
| 2004 | 1 | 4,869 | 159 | 15 | 133 | 307 | 21 | – – | – – | 1,292 | – – | – – | – – |
| 2005 | (s) | 4,827 | 147 | 15 | 134 | 295 | 21 | – – | – – | 1,359 | – – | – – | – – |
| 2006 | (s) | 4,368 | 122 | 12 | 116 | 250 | 20 | – – | – – | 1,352 | – – | – – | – – |
| 2007 | (s) | 4,722 | 125 | 8 | 126 | 258 | 22 | – – | – – | 1,392 | – – | – – | – – |
| 2008 | (s) | R 4,892 | R 115 | 4 | 144 | R 263 | 23 | – – | – – | 1,380 | – – | – – | – – |
| 2009 | (s) | 4,778 | 103 | 5 | 143 | 251 | 22 | – – | – – | 1,364 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 578 | 3,212 | 1,568 | 354 | 319 | 2,241 | 627 | NA | NA | 687 | 7,345 | R 1,701 | 9,047 |
| 1965 | 348 | 4,019 | 1,713 | 334 | 403 | 2,449 | 468 | NA | NA | 993 | 8,278 | 2,372 | R 10,649 |
| 1970 | 207 | 4,953 | 1,878 | 298 | 540 | 2,717 | 401 | NA | NA | 1,591 | 9,868 | R 3,851 | R 13,720 |
| 1975 | 62 | 5,024 | 1,807 | 161 | 496 | 2,463 | 425 | NA | NA | 2,007 | 9,981 | R 4,816 | R 14,798 |
| 1980 | 31 | 4,855 | 1,316 | 107 | 298 | 1,721 | 846 | NA | NA | 2,448 | 9,832 | R 5,886 | R 15,718 |
| 1985 | 39 | 4,566 | 1,092 | 159 | 295 | 1,546 | 1,010 | NA | NA | 2,709 | 9,816 | R 6,206 | R 16,022 |
| 1990 | 31 | 4,519 | 978 | 64 | 333 | 1,375 | 582 | 6 | 56 | 3,153 | R 9,675 | R 7,240 | R 16,915 |
| 1995 | 17 | 4,984 | 905 | 74 | 373 | 1,352 | 520 | 7 | R 64 | 3,557 | R 10,461 | R 8,031 | R 18,492 |
| 1996 | 16 | 5,391 | 926 | 89 | 441 | 1,456 | 540 | 7 | 65 | 3,694 | R 11,128 | R 8,348 | R 19,477 |
| 1997 | 16 | 5,125 | 874 | 93 | 429 | 1,396 | 428 | 7 | R 64 | 3,671 | R 10,670 | R 8,265 | R 18,936 |
| 1998 | 12 | 4,671 | 772 | 108 | 399 | 1,280 | 380 | 8 | R 64 | 3,856 | R 10,237 | R 8,691 | R 18,927 |
| 1999 | 14 | 4,857 | 828 | 111 | 496 | 1,435 | 400 | 9 | R 63 | 3,906 | 10,649 | R 8,880 | R 19,529 |
| 2000 | 11 | 5,100 | 905 | 95 | 522 | 1,521 | 430 | 9 | R 60 | 4,069 | R 11,167 | R 9,203 | R 20,369 |
| 2001 | 11 | 4,902 | 908 | 95 | 495 | 1,499 | 374 | 9 | R 59 | 4,100 | R 10,924 | R 9,085 | R 20,009 |
| 2002 | 12 | 5,006 | 860 | 60 | 506 | 1,426 | 380 | 10 | R 57 | 4,317 | R 11,185 | R 9,569 | R 20,754 |
| 2003 | 12 | 5,224 | 905 | 70 | 515 | 1,490 | 400 | 13 | R 57 | 4,353 | R 11,524 | R 9,550 | R 21,074 |
| 2004 | 11 | 4,993 | 924 | 85 | 483 | 1,491 | 410 | 14 | R 57 | 4,408 | R 11,364 | R 9,695 | R 21,059 |
| 2005 | 8 | 4,958 | 854 | 84 | 484 | 1,422 | 428 | 16 | R 58 | 4,638 | R 11,507 | R 10,085 | R 21,592 |
| 2006 | 6 | 4,483 | 712 | 66 | 419 | 1,197 | 390 | 18 | R 63 | 4,611 | R 10,749 | R 9,914 | R 20,662 |
| 2007 | 8 | 4,844 | 726 | 44 | 453 | 1,223 | 430 | 22 | R 70 | 4,750 | R 11,328 | R 10,188 | R 21,516 |
| 2008 | 8 | R 5,018 | R 669 | 21 | 519 | R 1,209 | 450 | 26 | R 80 | 4,708 | R 11,482 | R 10,077 | R 21,559 |
| 2009 | 7 | 4,899 | 602 | 28 | 507 | 1,137 | 430 | 33 | 89 | 4,656 | 11,231 | 9,796 | 21,027 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | Billion Cubic Feet | Million Barrels | | | | | | Billion kWh | | | Billion KWh | | | |
| 1960 | 17 | 1,020 | 85 | 8 | 21 | 13 | 89 | 216 | NA | – – | – – | 159 | – – | – – | – – |
| 1965 | 11 | 1,444 | 92 | 9 | 27 | 15 | 103 | 245 | NA | – – | – – | 231 | – – | – – | – – |
| 1970 | 7 | 2,399 | 101 | 11 | 37 | 16 | 114 | 279 | NA | – – | – – | 352 | – – | – – | – – |
| 1975 | 7 | 2,508 | 101 | 9 | 34 | 17 | 78 | 238 | NA | – – | – – | 468 | – – | – – | – – |
| 1980 | 5 | 2,611 | 89 | 7 | 23 | 20 | 90 | 229 | NA | – – | – – | 559 | – – | – – | – – |
| 1985 | 6 | 2,432 | 108 | 6 | 25 | 18 | 36 | 193 | NA | – – | – – | 689 | – – | – – | – – |
| 1990 | 5 | 2,623 | 92 | 2 | 27 | 21 | 37 | 178 | (s) | – – | – – | 838 | – – | – – | – – |
| 1995 | 5 | 3,031 | 82 | 4 | 28 | 3 | 23 | 140 | (s) | – – | – – | 953 | – – | – – | – – |
| 1996 | 5 | 3,158 | 83 | 4 | 32 | 5 | 22 | 145 | (s) | – – | – – | 980 | – – | – – | – – |
| 1997 | 6 | 3,215 | 76 | 4 | 31 | 8 | 18 | 138 | (s) | – – | – – | 1,027 | – – | – – | – – |
| 1998 | 4 | 2,999 | 74 | 5 | 31 | 7 | 14 | 131 | (s) | – – | – – | 1,078 | – – | – – | – – |
| 1999 | 4 | 3,045 | 75 | 5 | 37 | 5 | 12 | 134 | (s) | – – | – – | 1,104 | – – | – – | – – |
| 2000 | 4 | 3,182 | 84 | 5 | 39 | 9 | 15 | 152 | (s) | – – | – – | 1,159 | – – | – – | – – |
| 2001 | 4 | 3,023 | 87 | 6 | 37 | 7 | 11 | 148 | (s) | – – | – – | 1,191 | – – | – – | – – |
| 2002 | 4 | 3,144 | 76 | 3 | 37 | 9 | 13 | 137 | (s) | – – | – – | 1,205 | – – | – – | – – |
| 2003 | 4 | 3,179 | 83 | 3 | 41 | 12 | 18 | 156 | (s) | – – | – – | 1,199 | – – | – – | – – |
| 2004 | 5 | 3,129 | 81 | 4 | 40 | 9 | 19 | 152 | (s) | – – | – – | 1,230 | – – | – – | – – |
| 2005 | 4 | 2,999 | 77 | 4 | 34 | 9 | 18 | 142 | (s) | – – | – – | 1,275 | – – | – – | – – |
| 2006 | 3 | 2,832 | 69 | 3 | 32 | 9 | 12 | 125 | (s) | – – | – – | 1,300 | – – | – – | – – |
| 2007 | 3 | 3,013 | 66 | 2 | 32 | 12 | 12 | 123 | (s) | – – | – – | 1,336 | – – | – – | – – |
| 2008 | 3 | R 3,153 | R 64 | 1 | 41 | 9 | 12 | 126 | (s) | – – | – – | 1,336 | – – | – – | – – |
| 2009 | 3 | 3,119 | 71 | 1 | 36 | 10 | 12 | 130 | (s) | – – | – – | 1,307 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 402 | 1,056 | 494 | 48 | 85 | 67 | 559 | 1,252 | NA | 12 | NA | 543 | 3,265 | 1,344 | 4,608 |
| 1965 | 263 | 1,483 | 534 | 54 | 108 | 77 | 645 | 1,418 | NA | 9 | NA | 789 | 3,961 | 1,884 | 5,845 |
| 1970 | 163 | 2,455 | 587 | 61 | 141 | 86 | 714 | 1,590 | NA | 8 | NA | 1,201 | 5,416 | R 2,908 | R 8,324 |
| 1975 | 146 | 2,556 | 587 | 49 | 125 | 89 | 492 | 1,342 | NA | 8 | NA | 1,598 | 5,650 | R 3,835 | R 9,485 |
| 1980 | 117 | 2,666 | 518 | 41 | 84 | 107 | 565 | 1,314 | NA | 21 | NA | 1,906 | 5,990 | R 4,582 | R 10,572 |
| 1985 | 138 | 2,503 | 631 | 33 | 89 | 96 | 228 | 1,077 | NA | 24 | NA | 2,351 | 6,062 | R 5,388 | R 11,450 |
| 1990 | 124 | 2,698 | 536 | 12 | 97 | 111 | 230 | 985 | 1 | 94 | 3 | 2,860 | 6,735 | R 6,569 | R 13,304 |
| 1995 | 116 | 3,117 | 479 | 22 | 103 | 18 | 141 | 763 | 1 | 113 | 5 | 3,252 | 7,341 | R 7,343 | R 14,684 |
| 1996 | 120 | 3,251 | 483 | 21 | 115 | 27 | 137 | 783 | 1 | 129 | 5 | 3,344 | 7,607 | R 7,559 | R 15,166 |
| 1997 | 129 | 3,306 | 444 | 25 | 113 | 43 | 111 | 736 | 1 | 131 | 6 | 3,503 | 7,788 | R 7,888 | R 15,676 |
| 1998 | 101 | 3,098 | 429 | 31 | 111 | 39 | 85 | 695 | 1 | 118 | 7 | 3,678 | 7,676 | R 8,290 | R 15,966 |
| 1999 | 102 | 3,132 | 438 | 27 | 132 | 28 | 73 | 699 | 1 | 121 | 7 | 3,766 | 7,807 | R 8,561 | R 16,368 |
| 2000 | 86 | 3,254 | 491 | 30 | 141 | 45 | 92 | 798 | 1 | 119 | 8 | 3,956 | 8,201 | R 8,948 | R 17,149 |
| 2001 | 88 | 3,109 | 508 | 31 | 134 | 37 | 70 | 782 | 1 | 91 | 8 | 4,063 | 8,122 | R 9,003 | R 17,126 |
| 2002 | 88 | 3,223 | 444 | 16 | 133 | 45 | 80 | 718 | (s) | 95 | 9 | 4,110 | 8,226 | R 9,111 | R 17,337 |
| 2003 | 83 | 3,271 | 481 | 19 | 148 | 60 | 111 | 820 | 1 | 100 | 11 | 4,090 | 8,360 | R 8,973 | R 17,333 |
| 2004 | 103 | 3,211 | 470 | 20 | 143 | 45 | 122 | 802 | 1 | 105 | 12 | 4,198 | 8,417 | R 9,233 | R 17,651 |
| 2005 | 96 | 3,083 | 447 | 22 | 124 | 46 | 116 | 755 | 1 | 104 | 14 | 4,351 | 8,388 | R 9,461 | R 17,849 |
| 2006 | 64 | 2,908 | 401 | 15 | 116 | 49 | 75 | 656 | 1 | 101 | 14 | 4,435 | 8,165 | R 9,534 | R 17,699 |
| 2007 | 70 | 3,096 | 384 | 9 | 114 | 61 | 75 | 644 | 1 | 100 | 14 | 4,560 | 8,472 | R 9,779 | R 18,251 |
| 2008 | 72 | R 3,235 | R 372 | 4 | 148 | 46 | 73 | R 643 | 1 | 107 | 15 | 4,558 | R 8,619 | R 9,755 | R 18,374 |
| 2009 | 66 | 3,199 | 413 | 4 | 129 | 53 | 76 | 675 | 1 | 109 | 17 | 4,460 | 8,512 | 9,384 | 17,896 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Net Imports of Coal Coke | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | | Billion Cubic Feet | Million Barrels | | | | | | Billion kWh | | | | Billion kWh | | | |
| 1960 | 177 | (s) | 5,771 | 174 | 122 | 73 | 252 | 370 | 991 | 4 | – – | – – | – – | 324 | – – | – – | – – |
| 1965 | 201 | -1 | 7,112 | 197 | 172 | 65 | 252 | 499 | 1,185 | 3 | – – | – – | – – | 429 | – – | – – | – – |
| 1970 | 187 | -2 | 9,249 | 211 | 255 | 55 | 258 | 611 | 1,390 | 3 | – – | – – | – – | 571 | – – | – – | – – |
| 1975 | 147 | 1 | 8,365 | 230 | 308 | 43 | 240 | 653 | 1,474 | 3 | – – | – – | – – | 688 | – – | – – | – – |
| 1980 | 127 | -1 | 8,198 | 227 | 429 | 30 | 215 | 871 | 1,772 | 3 | – – | – – | – – | 815 | – – | – – | – – |
| 1985 | 116 | -1 | 6,867 | 192 | 469 | 41 | 119 | 662 | 1,484 | 3 | – – | – – | – – | 837 | – – | – – | – – |
| 1990 | 115 | (s) | 8,255 | 198 | 444 | 35 | 65 | 829 | 1,571 | 3 | – – | – – | – – | 946 | – – | – – | – – |
| 1995 | 106 | 2 | 9,384 | 194 | 557 | 38 | 54 | 833 | 1,677 | 5 | – – | – – | – – | 1,013 | – – | – – | – – |
| 1996 | 103 | 1 | 9,685 | 204 | 578 | 38 | 53 | 890 | 1,764 | 6 | – – | – – | – – | 1,034 | – – | – – | – – |
| 1997 | 102 | 2 | 9,714 | 207 | 590 | 41 | 46 | 924 | 1,808 | 6 | – – | – – | – – | 1,038 | – – | – – | – – |
| 1998 | 96 | 3 | 9,493 | 208 | 567 | 38 | 37 | 919 | 1,768 | 5 | – – | – – | – – | 1,051 | – – | – – | – – |
| 1999 | 93 | 2 | 9,158 | 204 | 624 | 29 | 33 | 948 | 1,838 | 5 | – – | – – | – – | 1,058 | – – | – – | – – |
| 2000 | 94 | 3 | 9,293 | 206 | 630 | 29 | 38 | 892 | 1,795 | 4 | – – | – – | – – | 1,064 | – – | – – | – – |
| 2001 | 91 | 1 | 8,463 | 223 | 568 | 57 | 32 | 905 | 1,786 | 3 | – – | – – | – – | 997 | – – | – – | – – |
| 2002 | 84 | 2 | 8,620 | 207 | 609 | 59 | 30 | 896 | 1,801 | 4 | – – | – – | – – | 990 | – – | – – | – – |
| 2003 | 86 | 2 | 8,273 | 195 | 570 | 62 | 35 | 927 | 1,790 | 4 | – – | – – | – – | 1,012 | – – | – – | – – |
| 2004 | 86 | 6 | 8,341 | 208 | 602 | 71 | 40 | 989 | 1,911 | 3 | – – | – – | – – | 1,018 | – – | – – | – – |
| 2005 | 84 | 2 | 7,709 | 217 | 566 | 68 | 45 | 966 | 1,862 | 3 | – – | – – | – – | 1,019 | – – | – – | – – |
| 2006 | 82 | 2 | 7,654 | 217 | 594 | 72 | 38 | 975 | 1,895 | 3 | – – | – – | – – | 1,011 | – – | – – | – – |
| 2007 | 79 | 1 | 7,874 | 217 | 598 | 59 | 31 | 941 | 1,845 | 2 | – – | – – | – – | 1,028 | – – | – – | – – |
| 2008 | 76 | 2 | R 7,881 | R 219 | R 519 | 48 | 32 | 837 | R 1,655 | 2 | – – | – – | – – | 1,009 | – – | – – | – – |
| 2009 | 61 | -1 | 7,442 | 190 | 563 | 47 | 17 | 744 | 1,560 | 2 | – – | – – | – – | 917 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 4,548 | -6 | 5,973 | 1,016 | 489 | 381 | 1,584 | 2,278 | 5,748 | 39 | 680 | NA | NA | 1,107 | 18,089 | 2,738 | 20,827 |
| 1965 | 5,134 | -18 | 7,350 | 1,150 | 688 | 342 | 1,582 | 3,026 | 6,789 | 33 | 855 | NA | NA | 1,463 | 21,606 | R 3,492 | R 25,098 |
| 1970 | 4,664 | -58 | 9,498 | 1,226 | 964 | 288 | 1,624 | 3,686 | 7,788 | 34 | 1,019 | NA | NA | 1,948 | 24,892 | R 4,712 | R 29,604 |
| 1975 | 3,658 | 14 | 8,571 | 1,339 | 1,144 | 223 | 1,509 | 3,932 | 8,148 | 32 | 1,063 | NA | NA | 2,346 | 23,832 | R 5,629 | R 29,461 |
| 1980 | 3,155 | -35 | 8,409 | 1,324 | 1,577 | 158 | 1,349 | 5,119 | 9,527 | 33 | 1,600 | NA | NA | 2,781 | 25,423 | R 6,683 | R 32,106 |
| 1985 | 2,777 | -13 | 7,096 | 1,119 | 1,690 | 218 | 748 | 3,966 | 7,741 | 33 | 1,875 | 42 | NA | 2,855 | R 22,367 | R 6,538 | R 28,905 |
| 1990 | 2,754 | 5 | 8,520 | 1,150 | 1,608 | 185 | 411 | 4,922 | 8,277 | 31 | 1,634 | 49 | 2 | 3,226 | R 24,457 | R 7,409 | R 31,866 |
| 1995 | 2,500 | 61 | 9,678 | 1,131 | 2,019 | 200 | 337 | 4,930 | 8,617 | 55 | 1,847 | 86 | 3 | 3,455 | R 26,262 | R 7,801 | R 34,064 |
| 1996 | 2,438 | 23 | 9,999 | 1,187 | 2,089 | 200 | 335 | 5,245 | 9,056 | 61 | 1,907 | 61 | 3 | 3,527 | R 27,035 | R 7,971 | R 35,007 |
| 1997 | 2,396 | 46 | 10,109 | 1,203 | 2,134 | 212 | 291 | 5,450 | 9,290 | 58 | 1,915 | 80 | 3 | 3,542 | R 27,402 | R 7,976 | R 35,378 |
| 1998 | 2,254 | 67 | 9,882 | 1,211 | 2,048 | 199 | 230 | 5,427 | 9,116 | 55 | 1,784 | 86 | 3 | 3,587 | R 26,794 | R 8,084 | R 34,878 |
| 1999 | 2,188 | 58 | 9,438 | 1,187 | 2,256 | 152 | 207 | 5,594 | 9,396 | 49 | 1,791 | 90 | 4 | 3,611 | R 26,587 | R 8,208 | R 34,795 |
| 2000 | 2,259 | 65 | 9,459 | 1,200 | 2,271 | 150 | 241 | 5,257 | 9,119 | 42 | 1,781 | 99 | 4 | 3,631 | R 26,429 | R 8,213 | R 34,642 |
| 2001 | 2,194 | 29 | 8,674 | 1,300 | 2,054 | 295 | 203 | 5,368 | 9,220 | 33 | 1,571 | 108 | 5 | 3,400 | R 25,202 | R 7,534 | R 32,736 |
| 2002 | 2,020 | 61 | 8,845 | 1,204 | 2,200 | 309 | 190 | 5,308 | 9,211 | 39 | 1,543 | 130 | 5 | 3,379 | R 25,206 | R 7,489 | R 32,696 |
| 2003 | 2,044 | 51 | 8,510 | 1,136 | 2,068 | 324 | 220 | 5,491 | 9,240 | 43 | 1,506 | 169 | 3 | 3,454 | R 24,994 | R 7,577 | R 32,571 |
| 2004 | 2,046 | 138 | 8,559 | 1,214 | 2,180 | 372 | 249 | 5,854 | 9,870 | 33 | 1,608 | 203 | 4 | 3,473 | R 25,909 | R 7,637 | R 33,546 |
| 2005 | 1,954 | 44 | 7,926 | 1,264 | 2,047 | 356 | 281 | 5,729 | 9,678 | 32 | 1,600 | 230 | 4 | 3,477 | R 24,922 | R 7,561 | R 32,483 |
| 2006 | 1,914 | 61 | 7,866 | 1,263 | 2,140 | 376 | 239 | 5,797 | 9,816 | 29 | 1,602 | 285 | 4 | 3,451 | R 25,000 | R 7,417 | R 32,417 |
| 2007 | 1,864 | 25 | 8,094 | 1,265 | 2,146 | 306 | 193 | 5,591 | 9,501 | 16 | 1,557 | 376 | 5 | 3,507 | R 24,918 | R 7,521 | R 32,440 |
| 2008 | 1,792 | 41 | R 8,092 | R 1,277 | 1,870 | 250 | 199 | 4,974 | R 8,570 | 17 | 1,487 | 531 | 5 | 3,444 | R 23,952 | R 7,370 | R 31,322 |
| 2009 | 1,394 | -24 | 7,628 | 1,107 | 2,002 | 244 | 106 | 4,422 | 7,881 | 18 | 1,352 | 616 | 4 | 3,130 | 21,973 | 6,586 | 28,559 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [e,f] | Electrical System Energy Losses [g] | Total [e,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | Billion Cubic Feet | Million Barrels | | | | | | | | Billion Kilowatthours | | | |
| 1960 | 3 | 347 | 59 | 153 | 136 | 5 | 25 | 1,367 | 134 | 1,880 | 3 | – – | – – | – – |
| 1965 | 1 | 501 | 44 | 188 | 220 | 8 | 24 | 1,596 | 123 | 2,203 | 3 | – – | – – | – – |
| 1970 | (s) | 722 | 20 | 269 | 353 | 12 | 24 | 2,040 | 121 | 2,839 | 3 | – – | – – | – – |
| 1975 | (s) | 583 | 14 | 364 | 362 | 11 | 26 | 2,377 | 113 | 3,267 | 3 | – – | – – | – – |
| 1980 | 0 | 635 | 13 | 480 | 389 | 5 | 28 | 2,357 | 222 | 3,494 | 3 | – – | – – | – – |
| 1985 | 0 | 504 | 10 | 544 | 445 | 8 | 26 | 2,434 | 125 | 3,591 | 4 | – – | – – | – – |
| 1990 | 0 | 660 | 9 | 629 | 556 | 6 | 29 | 2,584 | 162 | 3,974 | 5 | – – | – – | – – |
| 1995 | 0 | 705 | 8 | 720 | 553 | 5 | 28 | 2,801 | 145 | 4,259 | 5 | – – | – – | – – |
| 1996 | 0 | 718 | 7 | 767 | 578 | 4 | 27 | 2,845 | 135 | 4,363 | 5 | – – | – – | – – |
| 1997 | 0 | 760 | 8 | 802 | 583 | 4 | 28 | 2,877 | 113 | 4,416 | 5 | – – | – – | – – |
| 1998 | 0 | 645 | 7 | 826 | 592 | 5 | 30 | 2,967 | 107 | 4,533 | 5 | – – | – – | – – |
| 1999 | 0 | 657 | 8 | 859 | 611 | 4 | 30 | 3,043 | 106 | 4,659 | 5 | – – | – – | – – |
| 2000 | 0 | 655 | 7 | 887 | 631 | 3 | 30 | 3,063 | 141 | 4,762 | 5 | – – | – – | – – |
| 2001 | 0 | 640 | 7 | 908 | 604 | 4 | 27 | 3,079 | 93 | 4,722 | 5 | – – | – – | – – |
| 2002 | 0 | 682 | 7 | 926 | 589 | 4 | 27 | 3,161 | 108 | 4,821 | 6 | – – | – – | – – |
| 2003 | 0 | 610 | 6 | 973 | 576 | 4 | 25 | 3,187 | 91 | 4,862 | 7 | – – | – – | – – |
| 2004 | 0 | 587 | 6 | 1,018 | 597 | 5 | 25 | 3,253 | 118 | 5,021 | 7 | – – | – – | – – |
| 2005 | 0 | 607 | 7 | 1,043 | 613 | 7 | 25 | 3,266 | 133 | 5,094 | 8 | – – | – – | – – |
| 2006 | 0 | 608 | 7 | 1,101 | 596 | 7 | 24 | 3,296 | 144 | 5,175 | 7 | – – | – – | – – |
| 2007 | 0 | 646 | 6 | 1,108 | 592 | 6 | 25 | 3,319 | 158 | 5,215 | 8 | – – | – – | – – |
| 2008 | 0 | R 674 | 6 | R 1,034 | 563 | 10 | 23 | 3,233 | 146 | R 5,016 | 8 | – – | – – | – – |
| 2009 | 0 | 627 | 5 | 949 | 509 | 7 | 21 | 3,227 | 129 | 4,847 | 8 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 76 | 359 | 298 | 892 | 739 | 20 | 152 | 7,183 | 844 | 10,126 | 10 | 10,572 | 26 | 10,597 |
| 1965 | 16 | 518 | 222 | 1,093 | 1,215 | 33 | 149 | 8,386 | 770 | 11,868 | 10 | 12,412 | 24 | 12,435 |
| 1970 | 7 | 740 | 100 | 1,569 | 1,973 | 44 | 147 | 10,716 | 761 | 15,310 | 11 | 16,068 | 26 | R 16,093 |
| 1975 | 1 | 595 | 71 | 2,121 | 2,029 | 42 | 155 | 12,485 | 711 | 17,614 | 10 | 18,219 | 24 | 18,244 |
| 1980 | 0 | 650 | 64 | 2,795 | 2,179 | 17 | 172 | 12,383 | 1,398 | 19,009 | 11 | 19,669 | 27 | 19,696 |
| 1985 | 0 | 521 | 50 | 3,170 | 2,497 | 28 | 156 | 12,784 | 786 | 19,471 | 14 | R 20,055 | R 32 | R 20,087 |
| 1990 | 0 | 683 | 45 | 3,661 | 3,129 | 22 | 176 | 13,575 | 1,016 | 21,625 | 16 | R 22,384 | 37 | R 22,421 |
| 1995 | 0 | 728 | 40 | 4,195 | 3,132 | 17 | 168 | 14,607 | 911 | 23,069 | 17 | 23,814 | R 38 | R 23,852 |
| 1996 | 0 | 740 | 37 | 4,469 | 3,274 | 15 | 163 | 14,837 | 851 | 23,647 | 17 | 24,404 | 38 | 24,442 |
| 1997 | 0 | 790 | 40 | 4,672 | 3,308 | 13 | 172 | 14,999 | 712 | 23,917 | 17 | 24,723 | 38 | 24,761 |
| 1998 | 0 | 667 | 35 | 4,812 | 3,357 | 17 | 180 | 15,463 | 674 | 24,537 | 17 | 25,221 | 38 | 25,259 |
| 1999 | 0 | 675 | 39 | 5,001 | 3,462 | 13 | 182 | 15,855 | 665 | 25,218 | 17 | 25,911 | 40 | 25,951 |
| 2000 | 0 | 672 | 36 | 5,165 | 3,580 | 11 | 179 | 15,960 | 888 | 25,820 | 18 | 26,510 | 42 | 26,551 |
| 2001 | 0 | 656 | 35 | 5,292 | 3,426 | 13 | 164 | 16,041 | 586 | 25,556 | 19 | 26,230 | R 41 | 26,272 |
| 2002 | 0 | 699 | 34 | 5,392 | 3,340 | 13 | 162 | 16,465 | 677 | 26,084 | 19 | 26,802 | 42 | R 26,843 |
| 2003 | 0 | 627 | 30 | 5,666 | 3,265 | 16 | 150 | 16,597 | 571 | 26,296 | R 23 | 26,947 | 52 | R 26,998 |
| 2004 | 0 | 603 | 31 | 5,932 | 3,383 | 18 | 152 | 16,962 | 740 | 27,218 | 25 | 27,845 | R 54 | R 27,899 |
| 2005 | 0 | 625 | 35 | 6,076 | 3,475 | 27 | 151 | 17,043 | 837 | 27,644 | 26 | 28,294 | 56 | R 28,350 |
| 2006 | 0 | 627 | 33 | 6,414 | 3,379 | 26 | 147 | 17,197 | 906 | 28,103 | 25 | 28,755 | R 54 | R 28,809 |
| 2007 | 0 | 667 | 32 | 6,457 | 3,358 | 21 | 152 | 17,321 | 994 | 28,334 | 28 | R 29,028 | 60 | R 29,088 |
| 2008 | 0 | R 694 | 28 | R 6,020 | 3,193 | R 38 | 141 | 16,872 | 920 | R 27,212 | 26 | R 27,932 | R 56 | R 27,988 |
| 2009 | 0 | 645 | 27 | 5,528 | 2,883 | 26 | 127 | 16,837 | 810 | 26,238 | 27 | 26,910 | 56 | 26,966 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[f] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, United States

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Million Short Tons | Billion Cubic Feet | Million Barrels | | | | Billion Kilowatthours | | | Billion Kilowatthours | | | | |
| 1960 | 177 | 1,725 | 84 | 4 | 0 | 88 | 1 | 146 | – – | (s) | NA | NA | 5 | – – |
| 1965 | 245 | 2,321 | 110 | 5 | 0 | 115 | 4 | 194 | – – | (s) | NA | NA | (s) | – – |
| 1970 | 320 | 3,932 | 311 | 24 | 3 | 339 | 22 | 248 | – – | 1 | NA | NA | 2 | – – |
| 1975 | 406 | 3,158 | 467 | 39 | (s) | 506 | 173 | 300 | – – | 3 | NA | NA | 6 | – – |
| 1980 | 569 | 3,682 | 391 | 29 | 1 | 421 | 251 | 276 | – – | 5 | NA | NA | 21 | – – |
| 1985 | 694 | 3,044 | 159 | 15 | 1 | 175 | 384 | 281 | – – | 9 | (s) | (s) | 41 | – – |
| 1990 | 783 | 3,245 | 185 | 17 | 5 | 207 | 577 | 290 | – – | 15 | (s) | 3 | 2 | – – |
| 1995 | 850 | 4,237 | 90 | 19 | 13 | 122 | 673 | 305 | – – | 13 | (s) | 3 | 39 | – – |
| 1996 | 897 | 3,807 | 100 | 19 | 13 | 132 | 675 | 341 | – – | 14 | 1 | 3 | 40 | – – |
| 1997 | 921 | 4,065 | 114 | 19 | 17 | 150 | 629 | 351 | – – | 15 | 1 | 3 | 34 | – – |
| 1998 | 937 | 4,588 | 167 | 23 | 21 | 210 | 674 | 318 | – – | 15 | 1 | 3 | 26 | – – |
| 1999 | 941 | 4,820 | 152 | 24 | 19 | 195 | 728 | 315 | – – | 15 | (s) | 4 | 29 | – – |
| 2000 | 986 | 5,206 | 139 | 30 | 16 | 185 | 754 | 271 | – – | 14 | (s) | 6 | 34 | – – |
| 2001 | 964 | 5,342 | 160 | 29 | 17 | 206 | 769 | 214 | – – | 14 | 1 | 7 | 22 | – – |
| 2002 | 978 | 5,672 | 105 | 22 | 29 | 156 | 780 | 260 | – – | 14 | 1 | 10 | 21 | – – |
| 2003 | 1,005 | 5,135 | 138 | 28 | 29 | 195 | 764 | 272 | – – | 14 | 1 | 11 | 6 | – – |
| 2004 | 1,016 | 5,464 | 140 | 19 | 37 | 196 | 789 | 265 | – – | 15 | 1 | 14 | 11 | – – |
| 2005 | 1,037 | 5,869 | 139 | 20 | 40 | 199 | 782 | 267 | – – | 15 | 1 | 18 | 25 | – – |
| 2006 | 1,027 | 6,222 | 57 | 13 | 36 | 105 | 787 | 286 | – – | 15 | 1 | 27 | 18 | – – |
| 2007 | 1,045 | 6,841 | 63 | 15 | 28 | 107 | 806 | 246 | – – | 15 | 1 | 34 | 31 | – – |
| 2008 | 1,041 | 6,668 | 38 | 13 | 26 | 76 | 806 | 253 | – – | 15 | 1 | 55 | 33 | – – |
| 2009 | 934 | 6,872 | 29 | 12 | 23 | 64 | 799 | 272 | – – | 15 | 1 | 74 | 34 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 4,227 | 1,785 | 530 | 22 | 0 | 553 | 6 | 1,569 | 2 | R (s) | NA | NA | 15 | 8,157 |
| 1965 | 5,821 | 2,408 | 693 | 29 | 0 | 722 | 43 | 2,026 | 3 | R 2 | NA | NA | (s) | R 11,026 |
| 1970 | 7,228 | 4,048 | 1,958 | 141 | 19 | 2,117 | 239 | 2,600 | 4 | R 6 | NA | NA | 7 | R 16,248 |
| 1975 | 8,789 | 3,232 | 2,937 | 226 | 2 | 3,166 | 1,900 | 3,122 | 2 | R 34 | NA | NA | 21 | R 20,266 |
| 1980 | 12,158 | 3,804 | 2,459 | 169 | 5 | 2,634 | 2,739 | 2,867 | 4 | R 53 | NA | NA | 71 | R 24,324 |
| 1985 | 14,586 | 3,157 | 998 | 85 | 7 | 1,090 | 4,076 | 2,937 | 14 | R 97 | (s) | (s) | 140 | R 26,094 |
| 1990 | 16,259 | 3,333 | 1,163 | 97 | 30 | 1,289 | 6,104 | 3,014 | 317 | R 161 | 4 | 29 | 8 | R 30,510 |
| 1995 | 17,465 | 4,327 | 566 | 108 | 81 | 755 | 7,075 | 3,149 | 422 | R 138 | 5 | 33 | 134 | R 33,495 |
| 1996 | 18,428 | 3,882 | 628 | 109 | 80 | 817 | 7,087 | 3,528 | 438 | R 148 | 5 | 33 | 137 | R 34,497 |
| 1997 | 18,903 | 4,147 | 715 | 111 | 102 | 927 | 6,597 | 3,581 | 446 | R 150 | 5 | 34 | 116 | R 34,899 |
| 1998 | 19,216 | 4,698 | 1,047 | 136 | 124 | 1,306 | 7,068 | 3,241 | 444 | R 151 | 5 | 31 | 88 | R 36,240 |
| 1999 | 19,279 | 4,924 | 959 | 140 | 112 | 1,211 | 7,610 | 3,218 | 453 | R 152 | 5 | 46 | 99 | R 36,990 |
| 2000 | 20,220 | 5,318 | 871 | 175 | 99 | 1,144 | 7,862 | 2,768 | 453 | R 144 | 5 | 57 | 115 | R 38,079 |
| 2001 | 19,614 | 5,496 | 1,003 | 171 | 103 | 1,277 | 8,029 | 2,209 | 337 | R 142 | 6 | 70 | 75 | R 37,245 |
| 2002 | 19,783 | 5,789 | 659 | 127 | 175 | 961 | 8,145 | 2,650 | 380 | R 147 | 6 | 105 | 72 | R 38,035 |
| 2003 | 20,185 | 5,259 | 869 | 161 | 175 | 1,205 | 7,959 | 2,781 | 397 | R 148 | 5 | 115 | 22 | R 38,072 |
| 2004 | 20,305 | 5,609 | 879 | 111 | 222 | 1,212 | 8,222 | 2,656 | 388 | R 148 | 6 | 142 | 39 | R 38,724 |
| 2005 | 20,737 | 6,036 | 876 | 115 | 243 | 1,235 | 8,161 | 2,670 | 406 | R 147 | 6 | 178 | 84 | R 39,653 |
| 2006 | 20,461 | 6,394 | 361 | 74 | 214 | 648 | 8,215 | 2,839 | 412 | R 145 | 5 | 264 | 63 | R 39,441 |
| 2007 | 20,807 | 7,028 | 397 | 89 | 171 | 657 | 8,455 | 2,430 | 423 | R 145 | 6 | 341 | 107 | R 40,393 |
| 2008 | 20,513 | 6,849 | 240 | 73 | 154 | 468 | 8,427 | 2,494 | 435 | R 146 | 9 | 546 | 112 | R 39,994 |
| 2009 | 18,226 | 7,043 | 181 | 70 | 139 | 390 | 8,356 | 2,650 | 441 | 146 | 9 | 721 | 116 | 38,094 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# State Consumption Tables

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Alabama

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 15,578 | 184 | 5,393 | 1,126 | 3,211 | 24,578 | 4,292 | 4,898 | 43,498 | 0 | 6,239 | NA |
| 1965 | 21,473 | 229 | 5,251 | 1,156 | 4,207 | 28,919 | 2,553 | 6,987 | 49,072 | 0 | 7,103 | NA |
| 1970 | 27,653 | 298 | 8,512 | 1,799 | 7,583 | 37,003 | 3,290 | 8,524 | 66,710 | 0 | 7,632 | NA |
| 1971 | 26,116 | 286 | 8,858 | 1,786 | 8,025 | 39,066 | 2,655 | 8,794 | 69,184 | 0 | 9,936 | NA |
| 1972 | 27,692 | 278 | 12,093 | 1,704 | 8,985 | 41,384 | 3,138 | 9,319 | 76,623 | 0 | 10,233 | NA |
| 1973 | 28,646 | 272 | 14,418 | 1,681 | 8,488 | 43,694 | 6,107 | 9,888 | 84,276 | 314 | 11,803 | NA |
| 1974 | 27,339 | 275 | 15,067 | 1,706 | 7,121 | 44,115 | 10,325 | 9,650 | 87,985 | 6,289 | 10,369 | NA |
| 1975 | 26,609 | 264 | 14,697 | 1,707 | 6,540 | 45,174 | 12,953 | 8,586 | 89,656 | 2,722 | 12,213 | NA |
| 1976 | 26,246 | 226 | 18,274 | 1,654 | 7,182 | 47,463 | 14,244 | 9,023 | 97,840 | 4,214 | 9,458 | NA |
| 1977 | 26,261 | 241 | 19,783 | 1,773 | 7,793 | 49,179 | 16,299 | 10,384 | 105,211 | 19,522 | 10,354 | NA |
| 1978 | 23,748 | 237 | 20,607 | 1,785 | 6,860 | 50,715 | 14,942 | 11,035 | 105,943 | 22,830 | 7,893 | NA |
| 1979 | 27,424 | 283 | 15,056 | 1,702 | 5,756 | 47,914 | 10,246 | 10,561 | 91,234 | 22,090 | 11,867 | NA |
| 1980 | 27,042 | 269 | 15,190 | 2,048 | 4,949 | 44,296 | 7,296 | 10,158 | 83,937 | 23,497 | 9,408 | NA |
| 1981 | 25,779 | 271 | 17,944 | 1,754 | 4,573 | 43,028 | 4,640 | 13,948 | 85,887 | 23,643 | 6,038 | 0 |
| 1982 | 20,956 | 241 | 15,422 | 1,581 | 4,424 | 42,946 | 6,120 | 13,374 | 83,867 | 27,701 | 10,731 | 27 |
| 1983 | 21,979 | 222 | 15,386 | 1,643 | 4,450 | 43,379 | 3,468 | 10,940 | 79,266 | 25,145 | 11,165 | 69 |
| 1984 | 23,936 | 232 | 14,290 | 3,695 | 3,382 | 44,188 | 2,708 | 11,306 | 79,568 | 24,211 | 10,798 | 78 |
| 1985 | 27,145 | 219 | 14,520 | 3,516 | 3,648 | 43,476 | 2,249 | 11,155 | 78,565 | 14,313 | 6,886 | 369 |
| 1986 | 26,831 | 203 | 14,655 | 3,745 | 4,024 | 46,448 | 2,464 | 10,946 | 82,282 | 11,561 | 5,251 | 567 |
| 1987 | 26,683 | 208 | 16,026 | 3,872 | 4,653 | 48,533 | 2,436 | 13,095 | 88,616 | 11,248 | 7,472 | 1,136 |
| 1988 | 26,441 | 236 | 17,799 | 1,872 | 4,438 | 48,748 | 3,443 | 12,757 | 89,056 | 12,981 | 5,383 | 1,012 |
| 1989 | 27,701 | 246 | 21,316 | 2,046 | 4,768 | 49,488 | 3,638 | 12,098 | 93,353 | 11,524 | 13,153 | 566 |
| 1990 | 27,713 | 245 | 21,579 | 1,899 | 4,160 | 49,199 | 3,915 | 12,210 | 92,962 | 12,052 | 10,367 | 467 |
| 1991 | 29,428 | 255 | 21,142 | 2,292 | 3,807 | 49,527 | 3,533 | 12,295 | 92,597 | 15,875 | 10,758 | 465 |
| 1992 | 31,588 | 280 | 21,413 | 2,108 | 3,968 | 50,605 | 3,864 | 12,055 | 94,012 | 19,397 | 10,260 | 745 |
| 1993 | 33,135 | 294 | 20,991 | 1,973 | 5,033 | 51,956 | 4,006 | 12,156 | 96,115 | 17,823 | 9,034 | 394 |
| 1994 | 31,567 | 291 | 23,529 | 3,472 | 5,132 | 53,226 | 3,381 | 12,540 | 101,280 | 20,480 | 11,429 | 424 |
| 1995 | 34,389 | 323 | 23,653 | 3,843 | 5,115 | 55,472 | 3,110 | 12,198 | 103,390 | 20,752 | 9,502 | 581 |
| 1996 | 37,140 | 327 | 23,628 | 3,508 | 4,845 | 54,999 | 3,154 | 10,505 | 100,639 | 29,708 | 11,082 | 101 |
| 1997 | 36,692 | 324 | 23,057 | 2,184 | 4,269 | 55,694 | 2,542 | 10,529 | 98,274 | 29,573 | 11,521 | 99 |
| 1998 | 36,415 | 329 | 22,409 | 3,525 | 3,252 | 57,416 | 1,440 | 9,203 | 97,244 | 28,663 | 10,565 | 82 |
| 1999 | 38,216 | 337 | 24,061 | 1,963 | 7,025 | 57,669 | 1,461 | 9,432 | 101,611 | 30,892 | 7,760 | 11 |
| 2000 | 40,103 | 354 | 24,607 | 2,348 | 7,381 | 57,162 | 4,229 | 9,678 | 105,406 | 31,369 | 5,818 | 0 |
| 2001 | 37,694 | 333 | 23,337 | 2,343 | 7,163 | 57,718 | 1,517 | 11,832 | 103,910 | 30,357 | 8,356 | 373 |
| 2002 | 37,072 | 379 | 22,718 | 2,257 | 5,273 | 61,607 | 3,989 | 12,250 | 108,095 | 31,857 | 8,825 | 254 |
| 2003 | 39,306 | 351 | 27,155 | 2,569 | 4,195 | 59,207 | 1,284 | 12,686 | 107,095 | 31,677 | 12,665 | 367 |
| 2004 | 38,908 | 383 | 31,319 | 2,554 | 4,458 | 62,118 | 1,699 | 14,970 | 117,118 | 31,636 | 10,626 | 726 |
| 2005 | 40,568 | 353 | 29,891 | 2,466 | 3,007 | 62,866 | 1,778 | 15,315 | 115,323 | 31,694 | 10,145 | 48 |
| 2006 | 40,551 | 391 | 30,040 | 2,313 | 3,371 | 63,465 | 2,258 | R 22,511 | R 123,958 | 31,911 | 7,252 | 44 |
| 2007 | 40,423 | 420 | 29,284 | 2,321 | 3,925 | 64,300 | 2,161 | R 20,855 | R 122,846 | 34,325 | 4,136 | 137 |
| 2008 | 38,987 | 410 | R 27,042 | 2,169 | 4,060 | 62,517 | 2,218 | R 19,008 | R 117,015 | 38,993 | 6,136 | 1,078 |
| 2009 | 29,899 | 462 | 24,433 | 1,744 | 3,698 | 62,790 | 875 | 16,143 | 109,682 | 39,716 | 12,535 | 2,638 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Alabama
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 395.4 | 190.7 | 31.4 | 6.1 | 12.9 | 129.1 | 27.0 | 30.2 | 236.6 | 822.7 | *190.7* | *129.1* |
| 1965 | 533.1 | 236.9 | 30.6 | 6.2 | 16.9 | 151.9 | 16.0 | 42.8 | 264.4 | 1,034.5 | *236.9* | *151.9* |
| 1970 | 675.6 | 307.8 | 49.6 | 9.9 | 28.7 | 194.4 | 20.7 | 52.1 | 355.3 | 1,338.6 | *307.8* | *194.4* |
| 1971 | 626.1 | 294.8 | 51.6 | 9.8 | 30.3 | 205.2 | 16.7 | 53.8 | 367.4 | 1,288.3 | *294.8* | *205.2* |
| 1972 | 669.7 | 287.1 | 70.4 | 9.4 | 33.8 | 217.4 | 19.7 | 57.2 | 407.9 | 1,364.8 | *287.1* | *217.4* |
| 1973 | 688.7 | 280.0 | 84.0 | 9.3 | 31.8 | 229.5 | 38.4 | 60.6 | 453.6 | 1,422.2 | *280.0* | *229.5* |
| 1974 | 653.4 | 282.5 | 87.8 | 9.4 | 26.6 | 231.7 | 64.9 | 59.0 | 479.4 | 1,415.3 | *282.5* | *231.7* |
| 1975 | 640.1 | 271.7 | 85.6 | 9.4 | 24.3 | 237.3 | 81.4 | 52.5 | 490.6 | 1,402.4 | *271.7* | *237.3* |
| 1976 | 632.1 | 232.8 | 106.4 | 9.1 | 26.7 | 249.3 | 89.6 | 55.2 | 536.3 | 1,401.2 | *232.8* | *249.3* |
| 1977 | 629.4 | 248.7 | 115.2 | 9.8 | 28.7 | 258.3 | 102.5 | 63.4 | 577.9 | 1,456.0 | *248.7* | *258.3* |
| 1978 | 577.6 | 245.0 | 120.0 | 9.9 | 25.2 | 266.4 | 93.9 | 67.5 | 583.0 | 1,405.5 | *245.0* | *266.4* |
| 1979 | 670.2 | 291.5 | 87.7 | 9.5 | 21.2 | 251.7 | 64.4 | 64.0 | 498.5 | 1,460.2 | *291.5* | *251.7* |
| 1980 | 661.0 | 278.3 | 88.5 | 11.3 | 18.2 | 232.7 | 45.9 | 61.4 | 457.9 | 1,397.3 | *278.4* | *232.7* |
| 1981 | 630.0 | 281.0 | 104.5 | 9.7 | 16.7 | 226.0 | 29.2 | 83.3 | 469.3 | 1,380.3 | *281.0* | *226.0* |
| 1982 | 511.1 | 253.4 | 89.8 | 8.7 | 16.0 | 225.6 | 38.5 | 80.0 | 458.6 | 1,223.1 | *253.5* | *225.6* |
| 1983 | 532.6 | 230.0 | 89.6 | 9.1 | 16.1 | 227.9 | 21.8 | 66.2 | 430.6 | 1,193.2 | *230.0* | *227.9* |
| 1984 | 584.6 | 239.6 | 83.2 | 20.7 | 12.2 | 232.1 | 17.0 | 67.7 | 432.9 | 1,257.1 | *239.7* | *232.1* |
| 1985 | 662.9 | 227.8 | 84.6 | 19.7 | 13.1 | 228.4 | 14.1 | 67.2 | 427.2 | 1,317.8 | *227.8* | *228.4* |
| 1986 | 660.5 | 210.2 | 85.4 | 21.0 | 14.6 | 244.0 | 15.5 | 65.6 | 446.1 | 1,316.9 | *210.2* | *244.0* |
| 1987 | 660.7 | 214.6 | 93.4 | 21.7 | 17.0 | 254.9 | 15.3 | 79.0 | 481.3 | 1,356.6 | *214.6* | *254.9* |
| 1988 | 652.7 | 243.2 | 103.7 | 10.4 | 16.2 | 256.1 | 21.6 | 76.6 | 484.5 | 1,380.4 | *243.2* | *256.1* |
| 1989 | 682.1 | 253.6 | 124.2 | 11.4 | 17.6 | 260.0 | 22.9 | 72.7 | 508.6 | 1,444.3 | *253.6* | *260.0* |
| 1990 | 682.5 | 252.1 | 125.7 | 10.6 | 15.1 | 258.4 | 24.6 | 73.0 | 507.4 | 1,442.0 | *252.5* | *258.4* |
| 1991 | 723.9 | 261.5 | 123.2 | 12.6 | 13.8 | 260.2 | 22.2 | 74.7 | 506.6 | 1,492.0 | *261.8* | *260.2* |
| 1992 | 775.7 | 287.9 | 124.7 | 11.7 | 14.4 | 265.8 | 24.3 | 72.6 | 513.5 | 1,577.1 | *288.1* | *265.8* |
| 1993 | 812.9 | 302.2 | 122.3 | 11.0 | 18.1 | R 271.6 | 25.2 | 73.4 | 521.5 | 1,636.7 | *302.7* | *272.9* |
| 1994 | 773.8 | 299.3 | 137.1 | 19.6 | 18.7 | 276.9 | 21.3 | 75.6 | R 549.1 | 1,622.1 | *299.3* | *278.4* |
| 1995 | 828.3 | 332.4 | 137.8 | 21.8 | 18.5 | R 287.3 | 19.6 | 73.6 | R 558.5 | R 1,719.2 | *332.4* | *289.3* |
| 1996 | 890.7 | 337.8 | 137.6 | 19.9 | 17.5 | 286.5 | 19.8 | 65.4 | 546.8 | 1,775.3 | *337.8* | *286.9* |
| 1997 | 867.3 | 337.4 | 134.3 | 12.4 | 15.4 | 290.0 | 16.0 | 65.4 | 533.5 | 1,738.2 | *337.5* | *290.3* |
| 1998 | 856.5 | 342.0 | 130.5 | 20.0 | 11.8 | 299.0 | 9.1 | 56.9 | 527.1 | 1,725.6 | *342.0* | *299.3* |
| 1999 | 866.5 | 349.1 | 140.2 | 11.1 | 25.4 | 300.5 | 9.2 | 58.2 | 544.5 | 1,760.1 | *349.1* | *300.5* |
| 2000 | 904.2 | 368.5 | 143.3 | 13.3 | 26.6 | 297.8 | 26.6 | 60.1 | 567.8 | 1,840.4 | *368.5* | *297.8* |
| 2001 | 842.3 | 344.0 | 135.9 | 13.3 | 25.9 | 299.4 | 9.5 | 70.8 | R 554.9 | 1,741.2 | *344.0* | *300.7* |
| 2002 | 846.0 | 390.1 | 132.3 | 12.8 | 19.1 | R 320.0 | 25.1 | 73.4 | 582.6 | 1,818.7 | *390.1* | *320.9* |
| 2003 | 873.7 | 361.1 | 158.2 | 14.6 | 15.2 | 307.0 | 8.1 | 76.0 | R 579.1 | 1,813.9 | *361.2* | *308.3* |
| 2004 | 853.9 | 392.2 | 182.4 | 14.5 | 16.1 | 321.4 | 10.7 | 90.8 | 635.9 | R 1,882.1 | *392.2* | *323.9* |
| 2005 | 890.1 | 363.4 | 174.1 | 14.0 | 10.9 | 327.9 | 11.2 | 93.2 | 631.3 | 1,884.8 | *363.4* | *328.0* |
| 2006 | 886.7 | 402.1 | 175.0 | 13.1 | 12.2 | 331.0 | 14.2 | R 132.2 | R 677.7 | R 1,966.4 | *402.1* | *331.2* |
| 2007 | 888.4 | 431.3 | 170.6 | 13.2 | 14.1 | 335.1 | 13.6 | R 121.5 | R 668.0 | R 1,987.8 | *431.3* | *335.6* |
| 2008 | 842.8 | R 420.5 | R 157.5 | 12.3 | 14.6 | R 322.5 | 13.9 | R 111.4 | R 632.3 | R 1,895.6 | R *420.5* | *326.2* |
| 2009 | 631.0 | 473.9 | 142.3 | 9.9 | 13.2 | 318.5 | 5.5 | 94.5 | 583.9 | 1,688.8 | *473.9* | *327.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Alabama (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 67.1 | 45.7 | NA | NA | 45.7 | 0.0 | NA | NA | 112.8 | -68.3 | 0.0 | 867.2 |
| 1965 | 0.0 | 74.2 | 47.6 | NA | NA | 47.6 | 0.0 | NA | NA | 121.9 | R -109.3 | 0.0 | 1,047.2 |
| 1970 | 0.0 | 80.1 | 52.4 | NA | NA | 52.4 | 0.0 | NA | NA | 132.5 | R -74.4 | 0.0 | R 1,396.7 |
| 1971 | 0.0 | 104.1 | 54.1 | NA | NA | 54.1 | 0.0 | NA | NA | 158.2 | R -59.1 | 0.0 | R 1,387.4 |
| 1972 | 0.0 | 106.2 | 58.7 | NA | NA | 58.7 | 0.0 | NA | NA | 164.9 | R -48.9 | 0.0 | R 1,480.8 |
| 1973 | 3.4 | 122.6 | 59.1 | NA | NA | 59.1 | 0.0 | NA | NA | 181.7 | R -77.1 | 0.0 | R 1,530.3 |
| 1974 | 70.2 | 108.3 | 58.5 | NA | NA | 58.5 | 0.0 | NA | NA | 166.7 | R -101.3 | 0.0 | R 1,550.9 |
| 1975 | 30.0 | 127.1 | 57.6 | NA | NA | 57.6 | 0.0 | NA | NA | 184.7 | R -99.2 | 0.0 | R 1,517.9 |
| 1976 | 46.6 | 98.1 | 62.9 | NA | NA | 62.9 | 0.0 | NA | NA | 161.0 | R -53.5 | 0.0 | R 1,555.3 |
| 1977 | 210.2 | 108.0 | 66.7 | NA | NA | 66.7 | 0.0 | NA | NA | 174.8 | R -213.2 | 0.0 | R 1,627.8 |
| 1978 | 249.8 | 81.8 | 66.6 | NA | NA | 66.6 | 0.0 | NA | NA | 148.3 | R -160.0 | 0.0 | R 1,643.6 |
| 1979 | 240.3 | 122.9 | 67.9 | NA | NA | 67.9 | 0.0 | NA | NA | 190.7 | R -235.3 | 0.0 | R 1,655.9 |
| 1980 | 256.3 | 97.7 | 141.0 | NA | NA | 141.0 | 0.0 | NA | NA | 238.8 | R -239.9 | 0.0 | R 1,652.4 |
| 1981 | 260.8 | 63.1 | 150.2 | 0.0 | 0.0 | 150.2 | 0.0 | NA | NA | 213.4 | R -225.6 | 0.0 | R 1,628.9 |
| 1982 | 306.7 | 112.2 | 153.3 | 0.1 | 0.0 | 153.4 | 0.0 | NA | NA | R 265.5 | R -278.0 | 0.0 | R 1,517.3 |
| 1983 | 274.2 | 117.5 | 164.5 | 0.2 | 0.0 | 164.7 | 0.0 | NA | 0.0 | 282.2 | R -288.6 | 0.0 | R 1,461.0 |
| 1984 | 262.5 | 112.7 | 175.1 | 0.3 | 0.0 | 175.4 | 0.0 | 0.0 | 0.0 | 288.1 | R -245.8 | 0.0 | R 1,562.0 |
| 1985 | 152.0 | 71.9 | 175.4 | 1.3 | 0.0 | 176.7 | 0.0 | 0.0 | 0.0 | R 248.6 | R -181.7 | 0.0 | R 1,536.8 |
| 1986 | 122.3 | 54.8 | 159.0 | 2.0 | 0.0 | R 160.9 | 0.0 | 0.0 | 0.0 | 215.8 | R -129.4 | 0.0 | R 1,525.6 |
| 1987 | 117.4 | 77.9 | 151.7 | 3.9 | 0.0 | R 155.7 | 0.0 | 0.0 | 0.0 | R 233.5 | R -104.3 | 0.0 | R 1,603.2 |
| 1988 | 137.6 | 55.6 | 157.5 | 3.5 | 0.0 | R 161.0 | 0.0 | 0.0 | 0.0 | R 216.6 | R -62.1 | 0.0 | R 1,672.5 |
| 1989 | 122.0 | 137.2 | 165.0 | 2.0 | 0.0 | 167.0 | (s) | 0.1 | 0.0 | 304.4 | R -166.8 | 0.0 | R 1,703.9 |
| 1990 | 127.5 | 107.8 | 143.7 | 1.6 | 0.0 | 145.3 | (s) | 0.1 | 0.0 | 253.3 | R -130.8 | 0.0 | R 1,692.1 |
| 1991 | 166.4 | 112.3 | 143.2 | 1.6 | 0.0 | 144.8 | (s) | 0.2 | 0.0 | 257.2 | R -204.5 | 0.0 | R 1,711.2 |
| 1992 | 203.1 | 106.1 | 148.7 | 2.6 | 0.0 | R 151.3 | (s) | 0.2 | 0.0 | R 257.6 | R -256.1 | 0.0 | R 1,781.7 |
| 1993 | 187.2 | 93.1 | 174.9 | 1.4 | 0.0 | R 176.2 | (s) | 0.2 | 0.0 | R 269.5 | R -258.1 | 0.0 | R 1,835.3 |
| 1994 | 214.1 | 117.9 | 214.5 | 1.5 | 0.0 | R 215.9 | (s) | 0.2 | 0.0 | 334.0 | R -243.1 | 0.0 | R 1,927.1 |
| 1995 | 218.0 | 98.0 | 222.0 | 2.0 | 0.0 | 224.0 | (s) | 0.2 | 0.0 | R 322.1 | R -252.6 | 0.0 | R 2,006.7 |
| 1996 | 312.0 | 114.6 | 208.6 | 0.3 | 0.0 | 209.0 | (s) | 0.2 | 0.0 | 323.7 | R -382.6 | 0.0 | R 2,028.4 |
| 1997 | 310.3 | 117.7 | 181.9 | 0.3 | 0.0 | 182.2 | (s) | 0.1 | 0.0 | 300.0 | R -351.7 | 0.0 | R 1,996.8 |
| 1998 | 300.7 | 107.7 | 209.2 | 0.3 | 0.0 | 209.5 | (s) | 0.1 | 0.0 | 317.4 | R -308.6 | 0.0 | R 2,035.0 |
| 1999 | 322.8 | 79.3 | 210.8 | (s) | 0.0 | 210.8 | 0.1 | 0.1 | 0.0 | 290.4 | R -288.6 | 0.0 | R 2,084.8 |
| 2000 | 327.1 | 59.3 | 203.9 | 0.0 | 0.0 | 203.9 | 0.1 | 0.1 | 0.0 | 263.5 | R -292.5 | 0.0 | R 2,138.5 |
| 2001 | 317.0 | 86.3 | 165.0 | 1.3 | 0.0 | 166.3 | 0.1 | 0.1 | 0.0 | R 252.8 | R -350.9 | 0.0 | R 1,960.1 |
| 2002 | 332.7 | 89.8 | 162.8 | 0.9 | 0.0 | R 163.6 | 0.1 | 0.1 | 0.0 | 253.6 | R -384.5 | 0.0 | R 2,020.5 |
| 2003 | 330.1 | 129.7 | 155.1 | 1.3 | 0.0 | R 156.3 | 0.1 | 0.1 | 0.0 | 286.2 | R -416.2 | 0.0 | R 2,014.0 |
| 2004 | 329.9 | 106.5 | 184.1 | 2.5 | 0.0 | 186.7 | 0.1 | 0.1 | 0.0 | R 293.3 | R -366.0 | 0.0 | R 2,139.2 |
| 2005 | 330.8 | 101.4 | R 178.0 | 0.2 | 0.0 | R 178.2 | 0.1 | 0.1 | 0.0 | R 279.8 | R -378.2 | 0.0 | R 2,117.1 |
| 2006 | 333.0 | 71.9 | R 194.2 | 0.2 | 0.0 | R 194.3 | 0.1 | 0.1 | 0.0 | R 266.4 | R -385.5 | 0.0 | R 2,180.4 |
| 2007 | 359.9 | 40.9 | R 187.2 | 0.5 | 0.0 | R 187.7 | 0.1 | 0.1 | 0.0 | R 228.7 | R -408.4 | 0.0 | R 2,168.0 |
| 2008 | 407.6 | 60.5 | R 172.9 | 3.7 | 0.0 | R 176.7 | 0.1 | 0.1 | 0.0 | R 237.3 | R -442.7 | 0.0 | R 2,097.9 |
| 2009 | 415.4 | 122.3 | 141.2 | 9.1 | 0.0 | 150.3 | 0.1 | 0.1 | 0.0 | 272.9 | -470.3 | 0.0 | 1,906.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 8,314 | 175 | 5,393 | 1,126 | 3,211 | 24,578 | 4,292 | 4,898 | 43,498 | 26 | – – | – – | – – | – – | 15,485 | – – | – – | – – |
| 1965 | 8,901 | 224 | 5,251 | 1,156 | 4,207 | 28,919 | 2,553 | 6,987 | 49,072 | 25 | – – | – – | – – | – – | 23,230 | – – | – – | – – |
| 1970 | 11,322 | 283 | 8,486 | 1,799 | 7,583 | 37,003 | 3,290 | 8,075 | 66,236 | 25 | – – | – – | – – | – – | 34,713 | – – | – – | – – |
| 1975 | 9,309 | 258 | 14,183 | 1,707 | 6,540 | 45,174 | 12,854 | 8,586 | 89,043 | 25 | – – | – – | – – | – – | 40,375 | – – | – – | – – |
| 1980 | 7,449 | 268 | 15,059 | 2,048 | 4,949 | 44,296 | 7,296 | 10,158 | 83,807 | 24 | – – | – – | – – | – – | 50,367 | – – | – – | – – |
| 1985 | 5,599 | 218 | 14,432 | 3,516 | 3,648 | 43,476 | 2,249 | 11,155 | 78,477 | 24 | – – | – – | – – | – – | 50,166 | – – | – – | – – |
| 1990 | 5,630 | 240 | 21,447 | 1,899 | 4,160 | 49,199 | 3,915 | 12,210 | 92,830 | 0 | – – | – – | – – | – – | 59,926 | – – | – – | – – |
| 1995 | 5,550 | 314 | 23,472 | 3,843 | 5,115 | 55,472 | 3,110 | 12,198 | 103,209 | 0 | – – | – – | – – | – – | 70,007 | – – | – – | – – |
| 2000 | 4,468 | 311 | 24,138 | 2,348 | 7,381 | 57,162 | 4,229 | 9,678 | 104,937 | 0 | – – | – – | – – | – – | 83,524 | – – | – – | – – |
| 2001 | 3,894 | 264 | 22,797 | 2,343 | 7,163 | 57,718 | 1,517 | 11,832 | 103,370 | 0 | – – | – – | – – | – – | 79,358 | – – | – – | – – |
| 2002 | 3,527 | 267 | 22,359 | 2,257 | 5,273 | 61,607 | 3,989 | 12,250 | 107,736 | 0 | – – | – – | – – | – – | 83,067 | – – | – – | – – |
| 2003 | 3,706 | 265 | 26,694 | 2,569 | 4,195 | 59,207 | 1,284 | 12,686 | 106,635 | 0 | – – | – – | – – | – – | 83,844 | – – | – – | – – |
| 2004 | 3,825 | 266 | 31,080 | 2,554 | 4,458 | 62,118 | 1,699 | 14,970 | 116,878 | 0 | – – | – – | – – | – – | 86,871 | – – | – – | – – |
| 2005 | 3,571 | 248 | 29,619 | 2,466 | 3,007 | 62,866 | 1,778 | 15,315 | 115,051 | 0 | – – | – – | – – | – – | 89,202 | – – | – – | – – |
| 2006 | 3,383 | 246 | 29,862 | 2,313 | 3,371 | 63,465 | 2,258 | 22,511 | 123,781 | 0 | – – | – – | – – | – – | 90,678 | – – | – – | – – |
| 2007 | 3,190 | 245 | 29,135 | 2,321 | 3,925 | 64,300 | 2,161 | 20,855 | 122,698 | 0 | – – | – – | – – | – – | 91,828 | – – | – – | – – |
| 2008 | 3,141 | 246 | 26,827 | 2,169 | 4,060 | 62,517 | 2,218 | 19,008 | 116,799 | 0 | – – | – – | – – | – – | 89,707 | – – | – – | – – |
| 2009 | 2,316 | 235 | 24,256 | 1,744 | 3,698 | 62,790 | 875 | 16,143 | 109,505 | 0 | – – | – – | – – | – – | 82,845 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 220.1 | 181.0 | 31.4 | 6.1 | 12.9 | 129.1 | 27.0 | 30.2 | 236.6 | 0.3 | 45.7 | NA | NA | NA | 52.8 | 736.5 | 130.7 | 867.2 |
| 1965 | 235.1 | 231.2 | 30.6 | 6.2 | 16.9 | 151.9 | 16.0 | 42.8 | 264.4 | 0.3 | 47.6 | NA | NA | NA | 79.3 | 857.9 | 189.2 | 1,047.2 |
| 1970 | 294.9 | 291.8 | 49.4 | 9.9 | 28.7 | 194.4 | 20.7 | 49.4 | 352.4 | 0.3 | 52.4 | NA | NA | NA | 118.4 | 1,110.2 | 286.5 | 1,396.7 |
| 1975 | 239.3 | 265.6 | 82.6 | 9.4 | 24.3 | 237.3 | 80.8 | 52.5 | 486.9 | 0.3 | 57.6 | NA | NA | NA | 137.8 | 1,187.4 | 330.4 | 1,517.9 |
| 1980 | 192.5 | 276.8 | 87.7 | 11.3 | 18.2 | 232.7 | 45.9 | 61.4 | 457.2 | 0.2 | 141.0 | NA | NA | NA | 171.9 | 1,239.6 | 412.8 | 1,652.4 |
| 1985 | 143.4 | 226.6 | 84.1 | 19.7 | 13.1 | 228.4 | 14.1 | 67.2 | 426.6 | 0.2 | 175.4 | 0.0 | NA | NA | 171.2 | 1,144.8 | 392.0 | 1,536.8 |
| 1990 | 145.9 | 246.8 | 124.9 | 10.6 | 15.1 | 258.4 | 24.6 | 73.0 | 506.6 | 0.0 | 117.7 | 0.0 | (s) | 0.1 | 204.5 | 1,222.9 | 469.2 | 1,692.1 |
| 1995 | 144.3 | 323.4 | 136.7 | 21.8 | 18.5 | 289.3 | 19.6 | 73.6 | 559.4 | 0.0 | 201.4 | 0.0 | (s) | 0.2 | 238.9 | 1,467.5 | 539.2 | 2,006.7 |
| 2000 | 118.0 | 325.1 | 140.6 | 13.3 | 26.6 | 297.8 | 26.6 | 60.1 | 565.0 | 0.0 | 200.7 | 0.0 | 0.1 | 0.1 | 285.0 | 1,494.0 | 644.6 | 2,138.5 |
| 2001 | 102.4 | 272.4 | 132.8 | 13.3 | 25.9 | 300.7 | 9.5 | 70.8 | 553.0 | 0.0 | 161.5 | 0.0 | 0.1 | 0.1 | 270.8 | 1,360.2 | 599.9 | 1,960.1 |
| 2002 | 92.8 | 274.9 | 130.2 | 12.8 | 19.1 | 320.9 | 25.1 | 73.4 | 581.4 | 0.0 | 159.7 | 0.0 | 0.1 | 0.1 | 283.4 | 1,392.4 | 628.1 | 2,020.5 |
| 2003 | 97.9 | 272.7 | 155.5 | 14.6 | 15.2 | 308.3 | 8.1 | 76.0 | 577.7 | 0.0 | 152.0 | 0.0 | 0.1 | 0.1 | 286.1 | 1,386.5 | 627.6 | 2,014.0 |
| 2004 | 100.5 | 272.3 | 181.0 | 14.5 | 16.1 | 323.9 | 10.7 | 90.8 | 637.1 | 0.0 | 180.9 | 0.0 | 0.1 | 0.1 | 296.4 | 1,487.3 | 651.9 | 2,139.2 |
| 2005 | 90.5 | 255.8 | 172.5 | 14.0 | 10.9 | 328.0 | 11.2 | 93.2 | 629.9 | 0.0 | 174.7 | 0.0 | 0.1 | 0.1 | 304.4 | 1,455.3 | 661.8 | 2,117.1 |
| 2006 | 86.0 | 252.3 | 173.9 | 13.1 | 12.2 | 331.2 | 14.2 | 132.2 | 676.8 | 0.0 | 190.5 | 0.0 | 0.1 | 0.1 | 309.4 | 1,515.2 | 665.1 | 2,180.4 |
| 2007 | 81.5 | 249.8 | 169.7 | 13.2 | 14.1 | 335.6 | 13.6 | 121.5 | 667.6 | 0.0 | 183.5 | 0.0 | 0.1 | 0.1 | 313.3 | 1,496.0 | 672.0 | 2,168.0 |
| 2008 | 80.7 | 251.6 | 156.3 | 12.3 | 14.6 | 326.2 | 13.9 | 111.4 | 634.8 | 0.0 | 169.3 | 0.0 | 0.1 | 0.1 | 306.1 | 1,442.7 | 655.1 | 2,097.9 |
| 2009 | 59.6 | 241.2 | 141.3 | 9.9 | 13.2 | 327.6 | 5.5 | 94.5 | 592.0 | 0.0 | 136.3 | 0.0 | 0.1 | 0.1 | 282.7 | 1,312.0 | 594.8 | 1,906.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 162 | 41 | 36 | 163 | 1,787 | 1,986 | 1,084 | – – | – – | 4,129 | – – | – – | – – |
| 1965 | 56 | 48 | 24 | 169 | 2,273 | 2,465 | 765 | – – | – – | 6,150 | – – | – – | – – |
| 1970 | 71 | 56 | 36 | 236 | 4,185 | 4,456 | 515 | – – | – – | 11,527 | – – | – – | – – |
| 1975 | 6 | 52 | 74 | 134 | 3,331 | 3,539 | 530 | – – | – – | 13,409 | – – | – – | – – |
| 1980 | 48 | 52 | 13 | 198 | 2,202 | 2,413 | 817 | – – | – – | 16,469 | – – | – – | – – |
| 1985 | 27 | 44 | 24 | 73 | 1,776 | 1,872 | 1,456 | – – | – – | 17,182 | – – | – – | – – |
| 1990 | 21 | 45 | 17 | 38 | 2,286 | 2,342 | 757 | – – | – – | 20,719 | – – | – – | – – |
| 1995 | 1 | 50 | 10 | 66 | 2,423 | 2,500 | 602 | – – | – – | 24,314 | – – | – – | – – |
| 1996 | 5 | 57 | 10 | 64 | 2,486 | 2,559 | 625 | – – | – – | 25,634 | – – | – – | – – |
| 1997 | 8 | 48 | 40 | 57 | 2,559 | 2,656 | 329 | – – | – – | 24,893 | – – | – – | – – |
| 1998 | 1 | 47 | 6 | 40 | 2,204 | 2,250 | 292 | – – | – – | 27,327 | – – | – – | – – |
| 1999 | 3 | 43 | 6 | 44 | 3,972 | 4,022 | 307 | – – | – – | 27,048 | – – | – – | – – |
| 2000 | 6 | 47 | 12 | 46 | 4,189 | 4,247 | 330 | – – | – – | 28,756 | – – | – – | – – |
| 2001 | 2 | 49 | 39 | 39 | 3,377 | 3,454 | 266 | – – | – – | 27,802 | – – | – – | – – |
| 2002 | (s) | 46 | 37 | 22 | 2,868 | 2,926 | 270 | – – | – – | 30,022 | – – | – – | – – |
| 2003 | (s) | 47 | 7 | 49 | 2,178 | 2,235 | 284 | – – | – – | 29,416 | – – | – – | – – |
| 2004 | (s) | 44 | 13 | 67 | 2,361 | 2,441 | 291 | – – | – – | 30,109 | – – | – – | – – |
| 2005 | (s) | 42 | 14 | 75 | 1,615 | 1,704 | R 229 | – – | – – | 31,315 | – – | – – | – – |
| 2006 | 2 | 38 | 9 | 50 | 1,664 | 1,723 | R 209 | – – | – – | 32,277 | – – | – – | – – |
| 2007 | (s) | 35 | 8 | 32 | 1,782 | 1,823 | R 230 | – – | – – | 32,783 | – – | – – | – – |
| 2008 | 0 | 38 | 10 | 9 | 1,970 | 1,989 | R 241 | – – | – – | 32,185 | – – | – – | – – |
| 2009 | 0 | 36 | 100 | 11 | 2,030 | 2,142 | 230 | – – | – – | 31,489 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 4.0 | 42.3 | 0.2 | 0.9 | 7.2 | 8.3 | 21.7 | NA | NA | 14.1 | 90.4 | 34.8 | 125.2 |
| 1965 | 1.4 | 49.7 | 0.1 | 1.0 | 9.1 | 10.2 | 15.3 | NA | NA | 21.0 | 97.6 | 50.1 | 147.7 |
| 1970 | 1.7 | 57.5 | 0.2 | 1.3 | 15.8 | 17.4 | 10.3 | NA | NA | 39.3 | 126.2 | R 95.1 | 221.4 |
| 1975 | 0.1 | 53.8 | 0.4 | 0.8 | 12.4 | 13.6 | 10.6 | NA | NA | 45.8 | 123.9 | R 109.7 | R 233.6 |
| 1980 | 1.2 | 54.1 | 0.1 | 1.1 | 8.1 | 9.3 | 16.3 | NA | NA | 56.2 | 137.1 | R 135.0 | R 272.0 |
| 1985 | 0.7 | 45.4 | 0.1 | 0.4 | 6.4 | 6.9 | 29.1 | NA | NA | 58.6 | 140.7 | R 134.3 | R 275.0 |
| 1990 | 0.5 | 46.7 | 0.1 | 0.2 | 8.3 | 8.6 | 15.1 | (s) | 0.1 | 70.7 | 141.8 | R 162.2 | R 304.0 |
| 1995 | (s) | 51.0 | 0.1 | 0.4 | 8.8 | 9.2 | 12.0 | (s) | 0.2 | 83.0 | 155.4 | R 187.3 | R 342.7 |
| 1996 | 0.1 | 58.4 | 0.1 | 0.4 | 9.0 | 9.4 | 12.5 | (s) | 0.2 | 87.5 | 168.1 | R 197.7 | R 365.7 |
| 1997 | 0.2 | 50.5 | 0.2 | 0.3 | 9.3 | 9.8 | 6.6 | (s) | 0.1 | 84.9 | 152.2 | R 191.2 | R 343.4 |
| 1998 | (s) | 48.4 | (s) | 0.2 | 8.0 | 8.2 | 5.8 | (s) | 0.1 | 93.2 | 155.9 | R 210.1 | R 366.0 |
| 1999 | 0.1 | 44.2 | (s) | 0.2 | 14.4 | 14.6 | 6.1 | (s) | 0.1 | 92.3 | 157.5 | R 209.8 | R 367.3 |
| 2000 | 0.1 | 49.5 | 0.1 | 0.3 | 15.1 | 15.4 | 6.6 | (s) | 0.1 | 98.1 | 170.0 | R 221.9 | R 391.9 |
| 2001 | (s) | 50.8 | 0.2 | 0.2 | 12.2 | 12.6 | 5.3 | (s) | 0.1 | 94.9 | 163.8 | R 210.2 | R 374.0 |
| 2002 | (s) | 47.8 | 0.2 | 0.1 | 10.4 | 10.7 | 5.4 | (s) | 0.1 | 102.4 | 166.5 | R 227.0 | R 393.5 |
| 2003 | (s) | 47.9 | (s) | 0.3 | 7.9 | 8.2 | 5.7 | (s) | 0.1 | 100.4 | 162.3 | R 220.2 | R 382.5 |
| 2004 | (s) | 45.0 | 0.1 | 0.4 | 8.5 | 9.0 | 5.8 | (s) | 0.1 | 102.7 | 162.6 | R 226.0 | R 388.6 |
| 2005 | (s) | 43.3 | 0.1 | 0.4 | 5.8 | 6.4 | R 4.6 | (s) | 0.1 | 106.8 | R 161.2 | R 232.3 | R 393.5 |
| 2006 | 0.1 | 39.2 | 0.1 | 0.3 | 6.0 | 6.3 | R 4.2 | (s) | 0.1 | 110.1 | R 160.0 | R 236.8 | R 396.8 |
| 2007 | (s) | 36.2 | (s) | 0.2 | 6.4 | 6.6 | R 4.6 | 0.1 | 0.1 | 111.9 | R 159.5 | R 239.9 | R 399.4 |
| 2008 | 0.0 | R 38.7 | 0.1 | 0.1 | 7.1 | 7.2 | R 4.8 | 0.1 | 0.1 | 109.8 | R 160.7 | R 235.0 | R 395.7 |
| 2009 | 0.0 | 37.0 | 0.6 | 0.1 | 7.2 | 7.9 | 4.6 | 0.1 | 0.1 | 107.4 | 157.1 | 226.1 | 383.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 112 | 17 | 264 | 294 | 685 | 327 | (s) | 1,571 | NA | – – | – – | 2,390 | – – | – – | – – |
| 1965 | 42 | 32 | 175 | 306 | 871 | 327 | (s) | 1,679 | NA | – – | – – | 3,443 | – – | – – | – – |
| 1970 | 56 | 36 | 264 | 426 | 1,603 | 391 | (s) | 2,685 | NA | – – | – – | 5,144 | – – | – – | – – |
| 1975 | 14 | 33 | 547 | 242 | 1,276 | 453 | 1 | 2,519 | NA | – – | – – | 6,493 | – – | – – | – – |
| 1980 | 180 | 29 | 641 | 176 | 844 | 258 | 3 | 1,922 | NA | – – | – – | 7,190 | – – | – – | – – |
| 1985 | 96 | 26 | 913 | 16 | 680 | 251 | 514 | 2,373 | NA | – – | – – | 8,805 | – – | – – | – – |
| 1990 | 84 | 24 | 739 | 11 | 876 | 258 | 606 | 2,489 | 0 | – – | – – | 11,589 | – – | – – | – – |
| 1995 | 6 | 26 | 644 | 10 | 928 | 42 | 3 | 1,626 | 0 | – – | – – | 12,845 | – – | – – | – – |
| 1996 | 39 | 29 | 556 | 9 | 952 | 42 | 1 | 1,560 | 0 | – – | – – | 13,948 | – – | – – | – – |
| 1997 | 65 | 32 | 537 | 9 | 980 | 41 | 0 | 1,568 | 0 | – – | – – | 17,043 | – – | – – | – – |
| 1998 | 8 | 26 | 567 | 21 | 844 | 41 | 0 | 1,474 | 0 | – – | – – | 18,307 | – – | – – | – – |
| 1999 | 20 | 28 | 570 | 6 | 1,522 | 41 | 0 | 2,138 | 0 | – – | – – | 18,820 | – – | – – | – – |
| 2000 | 47 | 26 | 748 | 9 | 1,605 | 41 | (s) | 2,403 | 0 | – – | – – | 19,734 | – – | – – | – – |
| 2001 | 14 | 26 | 837 | 26 | 1,294 | 43 | 0 | 2,200 | 0 | – – | – – | 19,607 | – – | – – | – – |
| 2002 | 3 | 25 | 783 | 16 | 1,099 | 43 | 0 | 1,942 | 0 | – – | – – | 20,430 | – – | – – | – – |
| 2003 | 3 | 25 | 1,059 | 24 | 920 | 43 | 0 | 2,047 | 0 | – – | – – | 20,411 | – – | – – | – – |
| 2004 | (s) | 26 | 1,105 | 25 | 914 | 44 | 0 | 2,087 | 0 | – – | – – | 21,166 | – – | – – | – – |
| 2005 | 2 | 25 | 749 | 18 | 524 | 44 | 8 | 1,344 | 0 | – – | – – | 21,608 | – – | – – | – – |
| 2006 | 23 | 24 | 1,533 | 10 | 670 | 45 | 1 | 2,258 | 0 | – – | – – | 22,120 | – – | – – | – – |
| 2007 | 1 | 23 | 1,265 | 5 | 629 | 45 | 0 | 1,944 | 0 | – – | – – | 22,873 | – – | – – | – – |
| 2008 | 0 | 25 | R 995 | 3 | 813 | 45 | 0 | R 1,855 | 0 | – – | – – | 22,533 | – – | – – | – – |
| 2009 | 0 | 24 | 1,015 | 1 | 573 | 45 | (s) | 1,634 | 0 | – – | – – | 21,918 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.8 | 18.1 | 1.5 | 1.7 | 2.7 | 1.7 | (s) | 7.7 | NA | 0.4 | NA | 8.2 | 37.1 | 20.2 | 57.3 |
| 1965 | 1.1 | 33.0 | 1.0 | 1.7 | 3.5 | 1.7 | (s) | 8.0 | NA | 0.3 | NA | 11.7 | 54.1 | R 28.0 | R 82.1 |
| 1970 | 1.3 | 37.4 | 1.5 | 2.4 | 6.1 | 2.1 | (s) | 12.1 | NA | 0.2 | NA | 17.6 | 68.5 | 42.5 | 111.0 |
| 1975 | 0.3 | 34.4 | 3.2 | 1.4 | 4.7 | 2.4 | (s) | 11.7 | NA | 0.2 | NA | 22.2 | 68.8 | R 53.1 | R 121.9 |
| 1980 | 4.3 | 29.5 | 3.7 | 1.0 | 3.1 | 1.4 | (s) | 9.2 | NA | 0.4 | NA | 24.5 | 67.9 | R 58.9 | R 126.9 |
| 1985 | 2.3 | 26.8 | 5.3 | 0.1 | 2.5 | 1.3 | 3.2 | 12.4 | NA | 0.7 | NA | 30.0 | 72.3 | R 68.8 | R 141.1 |
| 1990 | 2.1 | 25.0 | 4.3 | 0.1 | 3.2 | 1.4 | 3.8 | 12.7 | 0.0 | 1.7 | 0.0 | 39.5 | 80.9 | R 90.7 | R 171.7 |
| 1995 | 0.2 | 27.0 | 3.8 | 0.1 | 3.4 | 0.2 | (s) | 7.4 | 0.0 | 1.6 | 0.0 | 43.8 | 80.0 | R 98.9 | R 179.0 |
| 1996 | 1.0 | 30.0 | 3.2 | 0.1 | 3.4 | 0.2 | (s) | 7.0 | 0.0 | 1.7 | 0.0 | 47.6 | 87.2 | R 107.5 | R 194.7 |
| 1997 | 1.6 | 33.7 | 3.1 | 0.1 | 3.5 | 0.2 | 0.0 | 6.9 | 0.0 | 1.1 | 0.0 | 58.2 | 101.5 | R 130.9 | R 232.4 |
| 1998 | 0.2 | 26.7 | 3.3 | 0.1 | 3.1 | 0.2 | 0.0 | 6.7 | 0.0 | 1.0 | 0.0 | 62.5 | 97.0 | R 140.8 | R 237.8 |
| 1999 | 0.5 | 28.6 | 3.3 | (s) | 5.5 | 0.2 | 0.0 | 9.1 | 0.0 | 1.0 | 0.0 | 64.2 | 103.4 | R 146.0 | R 249.4 |
| 2000 | 1.2 | 26.7 | 4.4 | 0.1 | 5.8 | 0.2 | (s) | 10.4 | 0.0 | 1.1 | 0.0 | 67.3 | 106.7 | R 152.3 | R 259.0 |
| 2001 | 0.3 | 27.2 | 4.9 | 0.1 | 4.7 | 0.2 | 0.0 | 9.9 | 0.0 | 0.9 | 0.0 | 66.9 | 105.3 | R 148.2 | R 253.5 |
| 2002 | 0.1 | 25.7 | 4.6 | 0.1 | 4.0 | 0.2 | 0.0 | 8.8 | 0.0 | 1.0 | 0.0 | 69.7 | 105.3 | R 154.5 | R 259.8 |
| 2003 | 0.1 | 26.1 | 6.2 | 0.1 | 3.3 | 0.2 | 0.0 | 9.9 | 0.0 | 1.0 | 0.0 | 69.6 | 106.7 | R 152.8 | R 259.5 |
| 2004 | (s) | 27.1 | 6.4 | 0.1 | 3.3 | 0.2 | 0.0 | 10.1 | 0.0 | 1.0 | 0.0 | 72.2 | 110.4 | R 158.8 | R 269.3 |
| 2005 | (s) | 25.8 | 4.4 | 0.1 | 1.9 | 0.2 | 0.1 | 6.6 | 0.0 | R 0.7 | 0.0 | 73.7 | R 106.9 | R 160.3 | R 267.3 |
| 2006 | 0.6 | 25.1 | 8.9 | 0.1 | 2.4 | 0.2 | (s) | 11.6 | 0.0 | R 0.7 | 0.0 | 75.5 | R 113.4 | R 162.3 | R 275.7 |
| 2007 | (s) | 23.9 | 7.4 | (s) | 2.3 | 0.2 | 0.0 | 9.9 | 0.0 | R 0.7 | 0.0 | 78.0 | R 112.6 | R 167.4 | R 280.0 |
| 2008 | 0.0 | 25.8 | R 5.8 | (s) | 2.9 | 0.2 | 0.0 | R 9.0 | 0.0 | R 0.8 | 0.0 | 76.9 | R 112.4 | R 164.6 | R 277.0 |
| 2009 | 0.0 | 24.9 | 5.9 | (s) | 2.0 | 0.2 | (s) | 8.2 | 0.0 | 0.8 | 0.0 | 74.8 | 108.6 | 157.4 | 266.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 7,904 | 109 | 2,511 | 708 | 382 | 2,014 | 3,765 | 9,380 | 26 | – – | – – | – – | 8,966 | – – | – – | – – |
| 1965 | 8,774 | 132 | 1,962 | 1,020 | 372 | 945 | 5,637 | 9,935 | 25 | – – | – – | – – | 13,636 | – – | – – | – – |
| 1970 | 11,177 | 171 | 2,833 | 1,696 | 204 | 1,611 | 6,643 | 12,987 | 25 | – – | – – | – – | 18,041 | – – | – – | – – |
| 1975 | 9,288 | 156 | 4,475 | 1,846 | 198 | 5,814 | 7,353 | 19,686 | 25 | – – | – – | – – | 20,473 | – – | – – | – – |
| 1980 | 7,221 | 171 | 3,356 | 1,857 | 104 | 3,787 | 9,049 | 18,154 | 24 | – – | – – | – – | 26,708 | – – | – – | – – |
| 1985 | 5,476 | 138 | 2,597 | 1,031 | 507 | 96 | 10,453 | 14,683 | 24 | – – | – – | – – | 24,179 | – – | – – | – – |
| 1990 | 5,525 | 156 | 4,580 | 901 | 443 | 444 | 11,548 | 17,916 | 0 | – – | – – | – – | 27,618 | – – | – – | – – |
| 1995 | 5,543 | 218 | 4,397 | 1,670 | 674 | 504 | 11,551 | 18,795 | 0 | – – | – – | – – | 32,847 | – – | – – | – – |
| 1996 | 5,792 | 215 | 5,086 | 1,330 | 678 | 705 | 9,879 | 17,677 | 0 | – – | – – | – – | 33,523 | – – | – – | – – |
| 1997 | 5,694 | 211 | 4,407 | 661 | 719 | 600 | 9,873 | 16,261 | 0 | – – | – – | – – | 32,617 | – – | – – | – – |
| 1998 | 4,846 | 209 | 3,726 | 187 | 519 | 613 | 8,550 | 13,596 | 0 | – – | – – | – – | 33,539 | – – | – – | – – |
| 1999 | 4,645 | 220 | 3,735 | 1,517 | 443 | 594 | 8,766 | 15,054 | 0 | – – | – – | – – | 34,533 | – – | – – | – – |
| 2000 | 4,415 | 216 | 2,938 | 1,548 | 443 | 1,338 | 9,033 | 15,300 | 0 | – – | – – | – – | 35,034 | – – | – – | – – |
| 2001 | 3,877 | 168 | 3,212 | 2,481 | 1,002 | 796 | 11,221 | 18,712 | 0 | – – | – – | – – | 31,949 | – – | – – | – – |
| 2002 | 3,523 | 174 | 3,281 | 1,290 | 1,068 | 1,871 | 11,699 | 19,208 | 0 | – – | – – | – – | 32,615 | – – | – – | – – |
| 2003 | 3,703 | 174 | 6,817 | 1,035 | 1,133 | 274 | 12,114 | 21,373 | 0 | – – | – – | – – | 34,017 | – – | – – | – – |
| 2004 | 3,824 | 179 | 6,823 | 997 | 1,278 | 431 | 14,371 | 23,900 | 0 | – – | – – | – – | 35,595 | – – | – – | – – |
| 2005 | 3,570 | 166 | 6,488 | 794 | 1,207 | 747 | 14,718 | 23,953 | 0 | – – | – – | – – | 36,279 | – – | – – | – – |
| 2006 | 3,358 | 168 | 5,571 | 957 | 1,295 | 766 | R 21,917 | R 30,506 | 0 | – – | – – | – – | 36,281 | – – | – – | – – |
| 2007 | 3,189 | 170 | 4,899 | 1,459 | 1,122 | 814 | R 20,271 | R 28,566 | 0 | – – | – – | – – | 36,172 | – – | – – | – – |
| 2008 | 3,141 | R 167 | R 5,043 | R 1,154 | 1,014 | 1,058 | R 18,536 | R 26,805 | 0 | – – | – – | – – | 34,990 | – – | – – | – – |
| 2009 | 2,316 | 156 | 4,296 | 1,014 | 997 | 41 | 15,725 | 22,073 | 0 | – – | – – | – – | 29,437 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 209.9 | 112.8 | 14.6 | 2.8 | 2.0 | 12.7 | 23.8 | 55.9 | 0.3 | 23.6 | NA | NA | 30.6 | 433.0 | 75.7 | 508.7 |
| 1965 | 232.0 | 136.0 | 11.4 | 4.1 | 2.0 | 5.9 | 35.2 | 58.7 | 0.3 | 32.1 | NA | NA | 46.5 | 505.5 | 111.1 | 616.6 |
| 1970 | 291.4 | 176.5 | 16.5 | 6.4 | 1.1 | 10.1 | 41.3 | 75.4 | 0.3 | 41.9 | NA | NA | 61.6 | 647.0 | R 148.9 | R 795.9 |
| 1975 | 238.8 | 160.0 | 26.1 | 6.9 | 1.0 | 36.6 | 45.4 | 115.9 | 0.3 | 46.8 | NA | NA | 69.9 | 631.7 | R 167.6 | R 799.2 |
| 1980 | 187.0 | 176.3 | 19.6 | 6.8 | 0.5 | 23.8 | 55.1 | 105.8 | 0.2 | 124.3 | NA | NA | 91.1 | 684.7 | R 218.9 | R 903.6 |
| 1985 | 140.4 | 143.0 | 15.1 | 3.7 | 2.7 | 0.6 | 63.2 | 85.3 | 0.2 | 145.6 | 0.0 | NA | 82.5 | 597.0 | R 188.9 | R 785.9 |
| 1990 | 143.3 | 160.0 | 26.7 | 3.3 | 2.3 | 2.8 | 69.2 | 104.2 | 0.0 | 100.9 | 0.0 | 0.0 | 94.2 | 602.5 | R 216.2 | R 818.7 |
| 1995 | 144.1 | 224.7 | 25.6 | 6.1 | 3.5 | 3.2 | 69.8 | 108.1 | 0.0 | 187.7 | 0.0 | 0.0 | 112.1 | 776.7 | R 253.0 | R 1,029.7 |
| 1996 | 150.1 | 221.8 | 29.6 | 4.8 | 3.5 | 4.4 | 61.8 | 104.2 | 0.0 | 174.3 | 0.0 | 0.0 | 114.4 | 764.8 | R 258.5 | R 1,023.3 |
| 1997 | 146.8 | 219.5 | 25.7 | 2.4 | 3.7 | 3.8 | 61.5 | 97.1 | 0.0 | 155.7 | 0.0 | 0.0 | 111.3 | 730.3 | R 250.5 | R 980.8 |
| 1998 | 126.7 | 217.5 | 21.7 | 0.7 | 2.7 | 3.9 | 53.0 | 81.9 | 0.0 | 184.2 | 0.0 | 0.0 | 114.4 | 724.8 | R 257.9 | R 982.6 |
| 1999 | 121.4 | 227.4 | 21.8 | 5.5 | 2.3 | 3.7 | 54.3 | 87.6 | 0.0 | 191.5 | 0.0 | (s) | 117.8 | 745.7 | R 267.9 | R 1,013.6 |
| 2000 | 116.7 | 225.2 | 17.1 | 5.6 | 2.3 | 8.4 | 56.3 | 89.7 | 0.0 | 193.0 | 0.0 | (s) | 119.5 | 744.1 | R 270.4 | R 1,014.5 |
| 2001 | 102.1 | 173.6 | 18.7 | 9.0 | 5.2 | 5.0 | 67.2 | 105.1 | 0.0 | 155.2 | 0.0 | (s) | 109.0 | 645.1 | R 241.5 | R 886.6 |
| 2002 | 92.8 | 178.8 | 19.1 | 4.7 | 5.6 | 11.8 | 70.1 | 111.2 | 0.0 | 153.3 | 0.0 | (s) | 111.3 | 647.4 | R 246.6 | R 894.0 |
| 2003 | 97.8 | 179.0 | 39.7 | 3.8 | 5.9 | 1.7 | 72.6 | 123.7 | 0.0 | 145.4 | 0.0 | (s) | 116.1 | 662.0 | R 254.6 | R 916.7 |
| 2004 | 100.5 | 183.8 | 39.7 | 3.6 | 6.7 | 2.7 | 87.3 | 140.0 | 0.0 | 174.1 | 0.0 | (s) | 121.5 | 719.9 | R 267.1 | R 987.0 |
| 2005 | 90.4 | 171.1 | 37.8 | 2.9 | 6.3 | 4.7 | 89.7 | 141.4 | 0.0 | 169.3 | 0.0 | (s) | 123.8 | 696.1 | R 269.2 | R 965.3 |
| 2006 | 85.4 | 172.7 | 32.5 | 3.5 | 6.8 | 4.8 | R 128.8 | R 176.2 | 0.0 | R 185.7 | 0.0 | (s) | 123.8 | R 743.8 | R 266.1 | R 1,009.9 |
| 2007 | 81.4 | 173.6 | 28.5 | 5.2 | 5.9 | 5.1 | R 118.1 | R 162.8 | 0.0 | R 178.2 | 0.0 | (s) | 123.4 | R 719.5 | R 264.7 | R 984.3 |
| 2008 | 80.7 | R 170.3 | R 29.4 | 4.2 | 5.3 | 6.7 | R 108.6 | R 154.1 | 0.0 | R 163.7 | 0.0 | (s) | 119.4 | R 688.3 | R 255.5 | R 943.8 |
| 2009 | 59.6 | 160.0 | 25.0 | 3.6 | 5.2 | 0.3 | 92.0 | 126.1 | 0.0 | 130.9 | 0.0 | (s) | 100.4 | 577.2 | 211.4 | 788.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 136 | 8 | 280 | 2,582 | 1,126 | 31 | 396 | 23,869 | 2,278 | 30,562 | 0 | – – | – – | – – |
| 1965 | 29 | 12 | 446 | 3,090 | 1,156 | 43 | 430 | 28,220 | 1,608 | 34,993 | 0 | – – | – – | – – |
| 1970 | 18 | 20 | 349 | 5,353 | 1,799 | 98 | 421 | 36,408 | 1,679 | 46,107 | 0 | – – | – – | – – |
| 1975 | 2 | 17 | 249 | 9,087 | 1,707 | 87 | 609 | 44,523 | 7,039 | 63,300 | 0 | – – | – – | – – |
| 1980 | 0 | 16 | 248 | 11,049 | 2,048 | 46 | 486 | 43,934 | 3,506 | 61,318 | 0 | – – | – – | – – |
| 1985 | 0 | 11 | 172 | 10,899 | 3,516 | 161 | 442 | 42,718 | 1,640 | 59,548 | 0 | – – | – – | – – |
| 1990 | 0 | 15 | 116 | 16,110 | 1,899 | 96 | 497 | 48,498 | 2,865 | 70,082 | 0 | – – | – – | – – |
| 1995 | 0 | 20 | 97 | 18,421 | 3,843 | 93 | 475 | 54,756 | 2,603 | 80,288 | (s) | – – | – – | – – |
| 1996 | 0 | 19 | 93 | 17,676 | 3,508 | 78 | 461 | 54,279 | 2,448 | 78,543 | (s) | – – | – – | – – |
| 1997 | 0 | 21 | 103 | 17,842 | 2,184 | 68 | 487 | 54,934 | 1,942 | 77,560 | 0 | – – | – – | – – |
| 1998 | 0 | 20 | 82 | 17,637 | 3,525 | 17 | 509 | 56,856 | 826 | 79,451 | 0 | – – | – – | – – |
| 1999 | 0 | 22 | 102 | 19,453 | 1,963 | 15 | 515 | 57,185 | 868 | 80,100 | 0 | – – | – – | – – |
| 2000 | 0 | 23 | 83 | 20,440 | 2,348 | 40 | 507 | 56,678 | 2,891 | 82,986 | 0 | – – | – – | – – |
| 2001 | 0 | 20 | 82 | 18,709 | 2,343 | 11 | 465 | 56,673 | 721 | 79,004 | 0 | – – | – – | – – |
| 2002 | 0 | 22 | 54 | 18,259 | 2,257 | 16 | 459 | 60,496 | 2,118 | 83,661 | 0 | – – | – – | – – |
| 2003 | 0 | 19 | 74 | 18,810 | 2,569 | 61 | 424 | 58,031 | 1,010 | 80,980 | R 0 | – – | – – | – – |
| 2004 | 0 | 16 | 77 | 23,139 | 2,554 | 186 | 430 | 60,796 | 1,268 | 88,450 | R 0 | – – | – – | – – |
| 2005 | 0 | 15 | 77 | 22,368 | 2,466 | 74 | 428 | 61,615 | 1,022 | 88,049 | R 0 | – – | – – | – – |
| 2006 | 0 | 15 | 118 | 22,750 | 2,313 | 80 | 417 | 62,125 | 1,492 | 89,293 | R 0 | – – | – – | – – |
| 2007 | 0 | 16 | 116 | 22,963 | 2,321 | 55 | 430 | 63,133 | 1,346 | 90,365 | R 0 | – – | – – | – – |
| 2008 | 0 | R 16 | 61 | R 20,779 | 2,169 | R 122 | 399 | 61,459 | 1,160 | R 86,150 | 0 | – – | – – | – – |
| 2009 | 0 | 19 | 45 | 18,845 | 1,744 | 81 | 359 | 61,748 | 835 | 83,657 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 3.4 | 7.9 | 1.4 | 15.0 | 6.1 | 0.1 | 2.4 | 125.4 | 14.3 | 164.7 | 0.0 | 176.0 | 0.0 | 176.0 |
| 1965 | 0.7 | 12.4 | 2.3 | 18.0 | 6.2 | 0.2 | 2.6 | 148.2 | 10.1 | 187.6 | 0.0 | 200.7 | 0.0 | 200.7 |
| 1970 | 0.4 | 20.5 | 1.8 | 31.2 | 9.9 | 0.4 | 2.6 | 191.3 | 10.6 | 247.6 | 0.0 | 268.5 | 0.0 | 268.5 |
| 1975 | (s) | 17.3 | 1.3 | 52.9 | 9.4 | 0.3 | 3.7 | 233.9 | 44.3 | 345.8 | 0.0 | 363.1 | 0.0 | 363.1 |
| 1980 | 0.0 | 17.0 | 1.3 | 64.4 | 11.3 | 0.2 | 2.9 | 230.8 | 22.0 | 332.9 | 0.0 | 349.9 | 0.0 | 349.9 |
| 1985 | 0.0 | 11.5 | 0.9 | 63.5 | 19.7 | 0.6 | 2.7 | 224.4 | 10.3 | 322.0 | 0.0 | 334.8 | 0.0 | 334.8 |
| 1990 | 0.0 | 15.1 | 0.6 | 93.8 | 10.6 | 0.3 | 3.0 | 254.8 | 18.0 | 381.1 | 0.0 | 397.8 | 0.0 | 397.8 |
| 1995 | 0.0 | 20.7 | 0.5 | 107.3 | 21.8 | 0.3 | 2.9 | 285.6 | 16.4 | 434.7 | (s) | 455.4 | (s) | 455.4 |
| 1996 | 0.0 | 19.8 | 0.5 | 103.0 | 19.9 | 0.3 | 2.8 | 283.1 | 15.4 | 424.9 | (s) | 444.7 | (s) | 444.7 |
| 1997 | 0.0 | 21.6 | 0.5 | 103.9 | 12.4 | 0.2 | 3.0 | 286.4 | 12.2 | 418.6 | 0.0 | 440.2 | 0.0 | 440.2 |
| 1998 | 0.0 | 20.8 | 0.4 | 102.7 | 20.0 | 0.1 | 3.1 | 296.3 | 5.2 | 427.8 | 0.0 | 448.6 | 0.0 | 448.6 |
| 1999 | 0.0 | 23.0 | 0.5 | 113.3 | 11.1 | 0.1 | 3.1 | 298.0 | 5.5 | 431.6 | 0.0 | 454.5 | 0.0 | 454.5 |
| 2000 | 0.0 | 23.7 | 0.4 | 119.1 | 13.3 | 0.1 | 3.1 | 295.3 | 18.2 | 449.5 | 0.0 | 473.2 | 0.0 | 473.2 |
| 2001 | 0.0 | 20.7 | 0.4 | 109.0 | 13.3 | (s) | 2.8 | 295.3 | 4.5 | 425.3 | 0.0 | 446.0 | 0.0 | 446.0 |
| 2002 | 0.0 | 22.5 | 0.3 | 106.4 | 12.8 | 0.1 | 2.8 | 315.1 | 13.3 | 450.7 | 0.0 | 473.1 | 0.0 | 473.1 |
| 2003 | 0.0 | 19.6 | 0.4 | 109.6 | 14.6 | 0.2 | 2.6 | 302.2 | 6.4 | 435.8 | R 0.0 | 455.4 | R 0.0 | 455.4 |
| 2004 | 0.0 | 16.4 | 0.4 | 134.8 | 14.5 | 0.7 | 2.6 | 317.1 | 8.0 | 478.0 | R 0.0 | 494.4 | R 0.0 | 494.4 |
| 2005 | 0.0 | 15.6 | 0.4 | 130.3 | 14.0 | 0.3 | 2.6 | 321.5 | 6.4 | 475.5 | R 0.0 | 491.0 | R 0.0 | 491.0 |
| 2006 | 0.0 | 15.4 | 0.6 | 132.5 | 13.1 | 0.3 | 2.5 | 324.2 | 9.4 | 482.6 | R 0.0 | 498.0 | R 0.0 | 498.0 |
| 2007 | 0.0 | 16.1 | 0.6 | 133.8 | 13.2 | 0.2 | 2.6 | 329.5 | 8.5 | 488.3 | R 0.0 | 504.4 | R 0.0 | 504.4 |
| 2008 | 0.0 | 16.9 | 0.3 | R 121.0 | 12.3 | 0.4 | 2.4 | 320.7 | 7.3 | R 464.5 | 0.0 | R 481.4 | 0.0 | R 481.4 |
| 2009 | 0.0 | 19.4 | 0.2 | 109.8 | 9.9 | 0.3 | 2.2 | 322.2 | 5.2 | 449.8 | 0.0 | 469.2 | 0.0 | 469.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Alabama

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 7,264 | 9 | 0 | (s) | 0 | (s) | 0 | 6,213 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 12,572 | 6 | 0 | 0 | 0 | 0 | 0 | 7,078 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 16,331 | 15 | 0 | 26 | 448 | 474 | 0 | 7,607 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 17,301 | 6 | 99 | 514 | 0 | 613 | 2,722 | 12,188 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 19,593 | 1 | 0 | 131 | 0 | 131 | 23,497 | 9,385 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 21,545 | 1 | 0 | 88 | 0 | 88 | 14,313 | 6,862 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 22,084 | 5 | 0 | 133 | 0 | 133 | 12,052 | 10,367 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 28,839 | 9 | 0 | 181 | 0 | 181 | 20,752 | 9,502 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 31,303 | 8 | 0 | 300 | 0 | 300 | 29,708 | 11,082 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 30,925 | 12 | 0 | 230 | 0 | 230 | 29,573 | 11,521 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 31,560 | 28 | 0 | 473 | 0 | 473 | 28,663 | 10,565 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 33,548 | 25 | 0 | 296 | 0 | 296 | 30,892 | 7,760 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 35,636 | 42 | 0 | 469 | 0 | 469 | 31,369 | 5,818 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 33,801 | 69 | 0 | 541 | 0 | 541 | 30,357 | 8,356 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 33,545 | 112 | 0 | 359 | 0 | 359 | 31,857 | 8,825 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 35,600 | 86 | 0 | 460 | 0 | 460 | 31,677 | 12,665 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 35,083 | 117 | 0 | 240 | 0 | 240 | 31,636 | 10,626 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 36,997 | 105 | 0 | 272 | 0 | 272 | 31,694 | 10,145 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 37,168 | 146 | 0 | 177 | 0 | 177 | 31,911 | 7,252 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 37,233 | 176 | 0 | 148 | 0 | 148 | 34,325 | 4,136 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 35,845 | 164 | 0 | 215 | 0 | 215 | 38,993 | 6,136 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 27,583 | 227 | 0 | 177 | 0 | 177 | 39,716 | 12,535 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 175.3 | 9.7 | 0.0 | (s) | 0.0 | (s) | 0.0 | 66.9 | 0.0 | 0.0 | NA | NA | 0.0 | 251.8 |
| 1965 | 298.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 74.0 | 0.0 | 0.0 | NA | NA | 0.0 | 377.7 |
| 1970 | 380.7 | 15.9 | 0.0 | 0.2 | 2.7 | 2.9 | 0.0 | 79.8 | 0.0 | 0.0 | NA | NA | 0.0 | 479.3 |
| 1975 | 400.7 | 6.2 | 0.6 | 3.0 | 0.0 | 3.6 | 30.0 | 126.8 | 0.0 | 0.0 | NA | NA | 0.0 | 567.4 |
| 1980 | 468.5 | 1.6 | 0.0 | 0.8 | 0.0 | 0.8 | 256.3 | 97.5 | 0.0 | 0.0 | NA | NA | 0.0 | 824.6 |
| 1985 | 519.5 | 1.2 | 0.0 | 0.5 | 0.0 | 0.5 | 152.0 | 71.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 744.9 |
| 1990 | 536.6 | 5.7 | 0.0 | 0.8 | 0.0 | 0.8 | 127.5 | 107.8 | 26.0 | 0.0 | 0.0 | 0.0 | 0.0 | 804.4 |
| 1995 | 684.0 | 9.0 | 0.0 | 1.1 | 0.0 | 1.1 | 218.0 | 98.0 | 20.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,030.7 |
| 1996 | 739.6 | 7.8 | 0.0 | 1.7 | 0.0 | 1.7 | 312.0 | 114.6 | 20.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,195.7 |
| 1997 | 718.7 | 12.2 | 0.0 | 1.3 | 0.0 | 1.3 | 310.3 | 117.7 | 18.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,178.7 |
| 1998 | 729.6 | 28.6 | 0.0 | 2.8 | 0.0 | 2.8 | 300.7 | 107.7 | 18.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,187.5 |
| 1999 | 744.5 | 26.0 | 0.0 | 1.7 | 0.0 | 1.7 | 322.8 | 79.3 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,186.5 |
| 2000 | 786.2 | 43.4 | 0.0 | 2.7 | 0.0 | 2.7 | 327.1 | 59.3 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,222.0 |
| 2001 | 740.0 | 71.6 | 0.0 | 3.1 | 0.0 | 3.1 | 317.0 | 86.3 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,221.6 |
| 2002 | 753.1 | 115.2 | 0.0 | 2.1 | 0.0 | 2.1 | 332.7 | 89.8 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,296.0 |
| 2003 | 775.8 | 88.5 | 0.0 | 2.7 | 0.0 | 2.7 | 330.1 | 129.7 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,329.8 |
| 2004 | 753.4 | 120.0 | 0.0 | 1.4 | 0.0 | 1.4 | 329.9 | 106.5 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,314.4 |
| 2005 | 799.6 | 107.6 | 0.0 | 1.6 | 0.0 | 1.6 | 330.8 | 101.4 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,344.4 |
| 2006 | 800.6 | 149.7 | 0.0 | 1.0 | 0.0 | 1.0 | 333.0 | 71.9 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,360.0 |
| 2007 | 807.0 | 181.5 | 0.0 | 0.9 | 0.0 | 0.9 | 359.9 | 40.9 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,393.8 |
| 2008 | 762.1 | 168.9 | 0.0 | 1.3 | 0.0 | 1.3 | 407.6 | 60.5 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,403.9 |
| 2009 | 571.4 | 232.7 | 0.0 | 1.0 | 0.0 | 1.0 | 415.4 | 122.3 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,347.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 376 | 2 | 2,636 | 1,972 | 46 | 1,657 | 711 | 1,176 | 8,197 | 0 | 290 | NA |
| 1965 | 525 | 8 | 3,788 | 3,005 | 91 | 2,450 | 881 | 760 | 10,975 | 0 | 350 | NA |
| 1970 | 740 | 64 | 5,100 | 6,735 | 151 | 2,621 | 1,020 | 1,352 | 16,979 | 0 | 363 | NA |
| 1971 | 799 | 68 | 6,357 | 7,573 | 176 | 2,844 | 1,065 | 1,353 | 19,368 | 0 | 363 | NA |
| 1972 | 722 | 75 | 6,289 | 8,019 | 193 | 3,685 | 1,154 | 1,519 | 20,860 | 0 | 346 | NA |
| 1973 | 751 | 63 | 6,462 | 7,393 | 218 | 3,197 | 1,042 | 1,509 | 19,821 | 0 | 286 | NA |
| 1974 | 710 | 63 | 6,851 | 7,470 | 173 | 3,545 | 1,080 | 1,656 | 20,775 | 0 | 326 | NA |
| 1975 | 868 | 85 | 7,090 | 7,420 | 211 | 4,179 | 1,075 | 1,824 | 21,800 | 0 | 357 | NA |
| 1976 | 778 | 90 | 9,536 | 7,409 | 348 | 4,697 | 1,303 | 1,674 | 24,967 | 0 | 383 | NA |
| 1977 | 584 | 116 | 10,441 | 7,910 | 409 | 4,845 | 1,724 | 2,021 | 27,350 | 0 | 512 | NA |
| 1978 | 270 | 145 | 10,821 | 8,273 | 488 | 4,533 | 2,345 | 2,317 | 28,777 | 0 | 472 | NA |
| 1979 | 265 | 157 | 5,808 | 8,506 | 192 | 4,681 | 319 | 3,232 | 22,739 | 0 | 459 | NA |
| 1980 | 273 | 153 | 6,677 | 9,618 | 191 | 3,676 | 371 | 2,387 | 22,919 | 0 | 539 | NA |
| 1981 | 792 | 122 | 6,546 | 10,877 | 152 | 4,468 | 245 | 1,790 | 24,077 | 0 | 590 | 0 |
| 1982 | 834 | 238 | 6,312 | 11,530 | 212 | 5,089 | 302 | 3,065 | 26,511 | 0 | 561 | 0 |
| 1983 | 785 | 239 | 7,305 | 12,252 | 212 | 4,752 | 392 | 6,201 | 31,115 | 0 | 593 | 0 |
| 1984 | 815 | 258 | 8,013 | 15,178 | 272 | 5,324 | 508 | 6,199 | 35,494 | 0 | 693 | 0 |
| 1985 | 733 | 213 | 10,198 | 15,231 | 331 | 5,638 | 3,072 | 7,013 | 41,482 | 0 | 748 | 0 |
| 1986 | 769 | 206 | 7,591 | 16,187 | 268 | 5,425 | 7,081 | 10,906 | 47,458 | 0 | 809 | (s) |
| 1987 | 274 | 249 | 7,106 | 14,850 | 271 | 5,205 | 3,406 | 9,701 | 40,538 | 0 | 872 | 1 |
| 1988 | 276 | 288 | 8,168 | 16,899 | 277 | 5,319 | 713 | 6,590 | 37,966 | 0 | 935 | 1 |
| 1989 | 299 | 322 | 11,071 | 18,586 | 278 | 5,079 | 347 | 5,564 | 40,926 | 0 | 873 | (s) |
| 1990 | 784 | 343 | 10,548 | 17,367 | 384 | 5,854 | 426 | 5,462 | 40,041 | 0 | 975 | 0 |
| 1991 | 802 | 367 | 9,756 | 17,116 | 402 | 5,108 | 591 | 3,302 | 36,275 | 0 | 896 | 0 |
| 1992 | 792 | 383 | 11,583 | 14,720 | 393 | 5,881 | 758 | 4,208 | 37,544 | 0 | 918 | 0 |
| 1993 | 863 | 378 | 12,388 | 14,693 | 238 | 5,976 | 723 | 3,595 | 37,612 | 0 | 1,303 | 0 |
| 1994 | 796 | 367 | 11,357 | 16,080 | 252 | 6,542 | 721 | 3,737 | 38,690 | 0 | 1,345 | 1 |
| 1995 | 815 | 430 | 12,803 | 16,921 | 272 | 7,148 | 746 | 3,780 | 41,669 | 0 | 1,372 | 184 |
| 1996 | 706 | 448 | 11,837 | 18,652 | 241 | 6,735 | 906 | 4,416 | 42,786 | 0 | 1,266 | 210 |
| 1997 | 740 | 425 | 11,979 | 21,108 | 326 | 6,312 | 864 | 4,681 | 45,270 | 0 | 1,099 | 170 |
| 1998 | 1,012 | 435 | 11,503 | 21,886 | 320 | 6,737 | 828 | 4,395 | 45,669 | 0 | 1,113 | 100 |
| 1999 | 1,019 | 423 | 12,164 | 23,612 | 266 | 6,426 | 1,068 | 5,016 | 48,552 | 0 | 817 | 113 |
| 2000 | 1,024 | 427 | 10,875 | 25,872 | 221 | 5,973 | 788 | 4,770 | 48,500 | 0 | 1,002 | 49 |
| 2001 | 989 | 409 | 11,675 | 24,262 | 261 | 6,383 | 1,129 | 7,032 | 50,742 | 0 | 1,346 | 134 |
| 2002 | 1,034 | 419 | 10,815 | 25,111 | 318 | 5,923 | 1,057 | 5,479 | 48,702 | 0 | 1,439 | 97 |
| 2003 | 790 | 414 | 9,725 | 27,355 | 314 | 5,919 | 864 | 5,832 | 50,009 | 0 | 1,583 | 64 |
| 2004 | 891 | 406 | 14,059 | 30,954 | 209 | 6,947 | 702 | 5,993 | 58,864 | 0 | 1,498 | 127 |
| 2005 | 905 | 433 | 12,584 | 31,940 | 266 | 6,853 | 708 | 6,319 | 58,670 | 0 | 1,464 | 228 |
| 2006 | 968 | 374 | 13,936 | 31,747 | 277 | 6,789 | 713 | 6,844 | 60,306 | 0 | 1,224 | 230 |
| 2007 | 889 | 370 | 13,534 | 29,053 | 209 | 6,927 | 734 | 6,555 | 57,012 | 0 | 1,291 | 281 |
| 2008 | 985 | 342 | R 12,973 | 23,817 | 334 | 6,708 | 397 | 5,019 | R 49,248 | 0 | 1,172 | 495 |
| 2009 | 968 | 342 | 14,536 | 18,746 | 411 | 6,725 | 549 | 4,462 | 45,429 | 0 | 1,324 | 565 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Alaska
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 7.2 | 2.0 | 15.4 | 10.6 | 0.2 | 8.7 | 4.5 | 6.1 | 45.4 | 54.6 | *2.0* | *8.7* |
| 1965 | 9.9 | 7.7 | 22.1 | 16.5 | 0.4 | 12.9 | 5.5 | 4.4 | 61.7 | 79.3 | *7.7* | *12.9* |
| 1970 | 13.2 | 64.0 | 29.7 | 37.7 | 0.6 | 13.8 | 6.4 | 7.8 | 96.0 | 173.2 | *64.0* | *13.8* |
| 1971 | 14.1 | 68.0 | 37.0 | 42.4 | 0.7 | 14.9 | 6.7 | 7.9 | 109.7 | 191.9 | *68.0* | *14.9* |
| 1972 | 12.8 | 75.0 | 36.6 | 45.0 | 0.7 | 19.4 | 7.3 | 9.0 | 117.9 | 205.7 | *75.0* | *19.4* |
| 1973 | 13.3 | 63.7 | 37.6 | 41.5 | 0.8 | 16.8 | 6.6 | 8.8 | 112.1 | 189.1 | *63.7* | *16.8* |
| 1974 | 12.5 | 63.2 | 39.9 | 41.9 | 0.6 | 18.6 | 6.8 | 9.6 | 117.5 | 193.2 | *63.2* | *18.6* |
| 1975 | 15.3 | 85.2 | 41.3 | 41.7 | 0.8 | 22.0 | 6.8 | 10.7 | 123.1 | 223.6 | *85.2* | *22.0* |
| 1976 | 13.7 | 90.6 | 55.5 | 41.6 | 1.3 | 24.7 | 8.2 | 9.9 | 141.2 | 245.5 | *90.6* | *24.7* |
| 1977 | 10.3 | 116.9 | 60.8 | 44.4 | 1.5 | 25.4 | 10.8 | 11.9 | 155.0 | 282.1 | *116.9* | *25.4* |
| 1978 | 4.7 | 145.0 | 63.0 | 46.5 | 1.8 | 23.8 | 14.7 | 13.7 | 163.5 | 313.3 | *145.0* | *23.8* |
| 1979 | 4.2 | 157.2 | 33.8 | 47.7 | 0.7 | 24.6 | 2.0 | 18.8 | 127.6 | 289.0 | *157.2* | *24.6* |
| 1980 | 4.3 | 153.8 | 38.9 | 54.0 | 0.7 | 19.3 | 2.3 | 14.0 | 129.3 | 287.4 | *153.8* | *19.3* |
| 1981 | 12.5 | 122.2 | 38.1 | 61.2 | 0.6 | 23.5 | 1.5 | 10.8 | 135.7 | 270.5 | *122.2* | *23.5* |
| 1982 | 13.2 | 237.9 | 36.8 | 64.9 | 0.8 | 26.7 | 1.9 | 18.2 | 149.3 | 400.3 | *237.9* | *26.7* |
| 1983 | 12.4 | 239.7 | 42.6 | 68.7 | 0.8 | 25.0 | 2.5 | 36.5 | 175.9 | 428.0 | *239.7* | *25.0* |
| 1984 | 12.9 | 258.0 | 46.7 | 85.5 | 1.0 | 28.0 | 3.2 | 36.5 | 200.8 | 471.7 | *258.0* | *28.0* |
| 1985 | 11.6 | 214.0 | 59.4 | 85.8 | 1.2 | 29.6 | 19.3 | 41.7 | 237.0 | 462.6 | *214.0* | *29.6* |
| 1986 | 12.1 | 208.3 | 44.2 | 91.2 | 1.0 | 28.5 | 44.5 | 63.6 | 273.1 | 493.5 | *208.3* | *28.5* |
| 1987 | 4.3 | 251.5 | 41.4 | 83.6 | 1.0 | 27.3 | 21.4 | 56.6 | 231.3 | 487.2 | *251.5* | *27.3* |
| 1988 | 4.4 | 288.8 | 47.6 | 95.2 | 1.0 | 27.9 | 4.5 | 39.3 | 215.4 | 508.6 | *288.8* | *27.9* |
| 1989 | 4.7 | 321.2 | 64.5 | 104.7 | 1.0 | 26.7 | 2.2 | 32.8 | 231.9 | 557.8 | *321.2* | *26.7* |
| 1990 | 12.4 | 326.8 | 61.4 | 97.9 | 1.4 | 30.8 | 2.7 | 32.2 | 226.4 | 565.6 | *326.8* | *30.8* |
| 1991 | 12.7 | 368.0 | 56.8 | 96.1 | 1.5 | 26.8 | 3.7 | 19.6 | 204.6 | 585.2 | *368.0* | *26.8* |
| 1992 | 12.5 | 383.9 | 67.5 | 82.9 | 1.4 | 30.9 | 4.8 | 25.0 | 212.5 | 608.9 | *383.9* | *30.9* |
| 1993 | 13.6 | 376.0 | 72.2 | 83.2 | 0.9 | 31.4 | 4.5 | 21.4 | 213.6 | 603.2 | *376.0* | *31.4* |
| 1994 | 12.6 | 367.6 | 66.2 | 91.2 | 0.9 | 34.2 | 4.5 | 22.4 | 219.4 | 599.6 | *367.6* | *34.2* |
| 1995 | 12.9 | 432.8 | 74.6 | 95.9 | 1.0 | 36.6 | 4.7 | 22.5 | 235.3 | 681.0 | *432.8* | *37.3* |
| 1996 | 11.2 | 443.6 | 68.9 | 105.8 | 0.9 | 34.4 | 5.7 | 26.4 | 242.1 | 696.9 | *443.6* | *35.1* |
| 1997 | 11.7 | 425.4 | 69.8 | 119.7 | 1.2 | 32.3 | 5.4 | 27.8 | 256.1 | R 693.3 | *425.4* | *32.9* |
| 1998 | 16.5 | 434.4 | 67.0 | 124.2 | 1.2 | 34.8 | 5.2 | 26.5 | 258.8 | 709.7 | *434.4* | *35.1* |
| 1999 | 16.4 | 422.8 | 70.9 | 134.1 | 1.0 | 33.1 | 6.7 | 29.8 | 275.6 | 714.8 | *422.8* | *33.5* |
| 2000 | 16.5 | 333.7 | 63.3 | 146.7 | 0.8 | 30.9 | 5.0 | 28.6 | 275.3 | 625.5 | *333.7* | *31.1* |
| 2001 | 15.9 | 413.0 | 68.0 | 137.6 | 0.9 | 32.8 | 7.1 | 43.0 | 289.4 | 718.4 | *413.0* | *33.3* |
| 2002 | 16.4 | 420.8 | 63.0 | 143.2 | 1.1 | 30.5 | 6.6 | 33.0 | 277.5 | 714.7 | *420.8* | *30.8* |
| 2003 | 12.6 | 415.9 | 56.7 | 155.2 | 1.1 | 30.6 | 5.4 | 34.9 | 283.9 | 712.3 | *415.9* | *30.8* |
| 2004 | 14.1 | 407.9 | 81.9 | 175.5 | 0.8 | 35.8 | 4.4 | 36.0 | 334.3 | 756.3 | *407.9* | *36.2* |
| 2005 | 14.0 | 434.7 | 73.3 | 181.1 | 1.0 | R 35.0 | 4.5 | 37.7 | 332.5 | 781.2 | *434.7* | *35.8* |
| 2006 | 15.0 | 375.7 | 81.2 | 180.0 | 1.0 | 34.6 | 4.5 | 40.7 | R 342.0 | 732.6 | *375.7* | *35.4* |
| 2007 | 13.7 | 371.8 | 78.8 | 164.7 | 0.7 | R 35.2 | 4.6 | 39.0 | R 323.2 | 708.6 | *371.8* | *36.2* |
| 2008 | 14.7 | 343.9 | R 75.6 | 135.0 | 1.2 | R 33.3 | 2.5 | 30.0 | R 277.6 | R 636.2 | *343.9* | *35.0* |
| 2009 | 14.5 | 344.0 | 84.7 | 106.3 | 1.5 | 33.1 | 3.5 | 26.7 | 255.7 | 614.1 | *344.0* | *35.1* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Alaska (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 3.1 | 3.7 | NA | NA | 3.7 | 0.0 | NA | NA | 6.8 | 0.0 | 0.0 | 61.4 |
| 1965 | 0.0 | 3.7 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 8.5 | 0.0 | 0.0 | 87.8 |
| 1970 | 0.0 | 3.8 | 5.0 | NA | NA | 5.0 | 0.0 | NA | NA | 8.8 | 0.0 | (s) | 182.0 |
| 1971 | 0.0 | 3.8 | 5.3 | NA | NA | 5.3 | 0.0 | NA | NA | 9.1 | 0.0 | 0.0 | 201.0 |
| 1972 | 0.0 | 3.6 | 5.1 | NA | NA | 5.1 | 0.0 | NA | NA | 8.7 | 0.0 | 0.0 | 214.4 |
| 1973 | 0.0 | 3.0 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 7.8 | 0.0 | 0.0 | 197.0 |
| 1974 | 0.0 | 3.4 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 8.3 | 0.0 | 0.0 | 201.5 |
| 1975 | 0.0 | 3.7 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 8.6 | 0.0 | 0.0 | 232.2 |
| 1976 | 0.0 | 4.0 | 5.2 | NA | NA | 5.2 | 0.0 | NA | NA | 9.2 | 0.0 | 0.0 | 254.7 |
| 1977 | 0.0 | 5.3 | 6.1 | NA | NA | 6.1 | 0.0 | NA | NA | 11.4 | 0.0 | 0.0 | 293.5 |
| 1978 | 0.0 | 4.9 | 5.9 | NA | NA | 5.9 | 0.0 | NA | NA | 10.8 | 0.0 | 0.0 | 324.1 |
| 1979 | 0.0 | 4.7 | 6.0 | NA | NA | 6.0 | 0.0 | NA | NA | 10.7 | 0.0 | 0.0 | 299.8 |
| 1980 | 0.0 | 5.6 | 2.7 | NA | NA | 2.7 | 0.0 | NA | NA | 8.3 | 0.0 | 0.0 | 295.8 |
| 1981 | 0.0 | 6.2 | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | NA | NA | 9.2 | 0.0 | 0.0 | 279.7 |
| 1982 | 0.0 | 5.9 | 2.9 | 0.0 | 0.0 | 2.9 | 0.0 | NA | NA | 8.7 | 0.0 | 0.0 | 409.1 |
| 1983 | 0.0 | 6.2 | 3.3 | 0.0 | 0.0 | 3.3 | 0.0 | NA | 0.0 | 9.6 | 0.0 | 0.0 | 437.6 |
| 1984 | 0.0 | 7.2 | 3.9 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | (s) | 11.2 | 0.0 | 0.0 | 482.9 |
| 1985 | 0.0 | 7.8 | 4.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | (s) | 11.8 | 0.0 | 0.0 | 474.4 |
| 1986 | 0.0 | 8.4 | 2.3 | (s) | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 | 504.2 |
| 1987 | 0.0 | 9.1 | 2.9 | (s) | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 12.0 | 0.0 | 0.0 | 499.2 |
| 1988 | 0.0 | 9.7 | 3.1 | (s) | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 12.8 | 0.0 | 0.0 | 521.4 |
| 1989 | 0.0 | 9.1 | 9.2 | (s) | 0.0 | 9.2 | 0.1 | (s) | 0.0 | 18.3 | 0.0 | 0.0 | 576.2 |
| 1990 | 0.0 | 10.1 | 8.2 | 0.0 | 0.0 | 8.2 | 0.1 | (s) | 0.0 | 18.4 | 0.0 | (s) | 584.0 |
| 1991 | 0.0 | 9.4 | 8.0 | 0.0 | 0.0 | 8.0 | 0.1 | (s) | 0.0 | 17.4 | 0.0 | (s) | 602.6 |
| 1992 | 0.0 | 9.5 | 8.8 | 0.0 | 0.0 | 8.8 | 0.1 | (s) | 0.0 | 18.3 | 0.0 | (s) | 627.2 |
| 1993 | 0.0 | 13.4 | 7.1 | 0.0 | 0.0 | 7.1 | 0.1 | (s) | 0.0 | 20.6 | 0.0 | (s) | 623.8 |
| 1994 | 0.0 | 13.9 | 9.7 | (s) | 0.0 | 9.7 | 0.1 | (s) | 0.0 | 23.6 | 0.0 | (s) | 623.2 |
| 1995 | 0.0 | 14.1 | 8.3 | 0.6 | 0.0 | R 8.9 | 0.1 | (s) | 0.0 | R 23.1 | 0.0 | (s) | 704.2 |
| 1996 | 0.0 | 13.1 | 8.0 | 0.7 | 0.0 | 8.8 | 0.1 | (s) | 0.0 | 21.9 | 0.0 | (s) | 718.8 |
| 1997 | 0.0 | 11.2 | 3.7 | 0.6 | 0.0 | 4.3 | 0.1 | (s) | 0.0 | 15.6 | 0.0 | (s) | 708.8 |
| 1998 | 0.0 | 11.4 | 1.9 | 0.3 | 0.0 | 2.2 | 0.1 | (s) | 0.0 | 13.6 | 0.0 | (s) | 723.3 |
| 1999 | 0.0 | 8.4 | 1.8 | 0.4 | 0.0 | 2.2 | 0.1 | (s) | 0.0 | R 10.6 | 0.0 | (s) | 725.4 |
| 2000 | 0.0 | 10.2 | 1.9 | 0.2 | 0.0 | 2.1 | 0.1 | (s) | 0.0 | 12.4 | 0.0 | (s) | 637.9 |
| 2001 | 0.0 | 13.9 | 3.0 | 0.5 | 0.0 | R 3.4 | 0.1 | (s) | (s) | R 17.4 | 0.0 | (s) | 735.8 |
| 2002 | 0.0 | 14.6 | 3.2 | 0.3 | 0.0 | 3.5 | 0.1 | (s) | 0.0 | 18.3 | 0.0 | (s) | 733.0 |
| 2003 | 0.0 | 16.2 | 3.3 | 0.2 | 0.0 | 3.5 | 0.1 | (s) | 0.0 | 19.8 | 0.0 | (s) | 732.1 |
| 2004 | 0.0 | 15.0 | 3.3 | 0.4 | 0.0 | 3.8 | 0.1 | (s) | 0.0 | 18.9 | 0.0 | (s) | 775.2 |
| 2005 | 0.0 | 14.6 | R 1.1 | 0.8 | 0.0 | R 1.9 | 0.1 | (s) | (s) | R 16.7 | 0.0 | (s) | R 797.9 |
| 2006 | 0.0 | 12.1 | R 1.1 | 0.8 | 0.0 | R 1.9 | 0.1 | (s) | (s) | R 14.1 | 0.0 | (s) | R 746.8 |
| 2007 | 0.0 | 12.8 | R 1.2 | 1.0 | 0.0 | R 2.2 | 0.1 | (s) | (s) | R 15.0 | 0.0 | (s) | R 723.7 |
| 2008 | 0.0 | 11.5 | R 1.2 | 1.7 | 0.0 | R 2.9 | 0.1 | (s) | (s) | R 14.6 | 0.0 | (s) | 650.8 |
| 2009 | 0.0 | 12.9 | 1.2 | 2.0 | 0.0 | 3.1 | 0.2 | (s) | 0.1 | 16.3 | 0.0 | (s) | 630.4 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 325 | 2 | 2,541 | 1,972 | 46 | 1,657 | 708 | 1,176 | 8,099 | 0 | – – | – – | – – | – – | 296 | – – | – – | – – |
| 1965 | 375 | 5 | 3,480 | 3,005 | 91 | 2,450 | 877 | 760 | 10,663 | 0 | – – | – – | – – | – – | 618 | – – | – – | – – |
| 1970 | 491 | 56 | 4,706 | 6,735 | 151 | 2,621 | 1,015 | 1,352 | 16,580 | 0 | – – | – – | – – | – – | 1,106 | – – | – – | – – |
| 1975 | 611 | 65 | 6,396 | 7,420 | 211 | 4,179 | 1,073 | 1,824 | 21,104 | 0 | – – | – – | – – | – – | 2,039 | – – | – – | – – |
| 1980 | 0 | 125 | 6,138 | 9,618 | 191 | 3,676 | 18 | 2,387 | 22,028 | 0 | – – | – – | – – | – – | 2,577 | – – | – – | – – |
| 1985 | 437 | 179 | 9,680 | 15,231 | 331 | 5,638 | 2,596 | 7,013 | 40,488 | 0 | – – | – – | – – | – – | 3,988 | – – | – – | – – |
| 1990 | 494 | 308 | 10,061 | 17,367 | 384 | 5,854 | 254 | 5,462 | 39,383 | 0 | – – | – – | – – | – – | 4,254 | – – | – – | – – |
| 1995 | 523 | 400 | 12,211 | 16,921 | 272 | 7,148 | 489 | 3,780 | 40,821 | 0 | – – | – – | – – | – – | 4,632 | – – | – – | – – |
| 2000 | 524 | 392 | 10,461 | 25,872 | 221 | 5,973 | 118 | 4,770 | 47,415 | 0 | – – | – – | – – | – – | 5,310 | – – | – – | – – |
| 2001 | 475 | 376 | 11,181 | 24,262 | 261 | 6,383 | 72 | 7,032 | 49,191 | 0 | – – | – – | – – | – – | 5,454 | – – | – – | – – |
| 2002 | 472 | 387 | 10,262 | 25,111 | 318 | 5,923 | 51 | 5,479 | 47,142 | 0 | – – | – – | – – | – – | 5,465 | – – | – – | – – |
| 2003 | 449 | 380 | 9,214 | 27,355 | 314 | 5,919 | 13 | 5,832 | 48,647 | 0 | – – | – – | – – | – – | 5,564 | – – | – – | – – |
| 2004 | 498 | 369 | 13,529 | 30,954 | 209 | 6,947 | 0 | 5,993 | 57,633 | 0 | – – | – – | – – | – – | 5,788 | – – | – – | – – |
| 2005 | 507 | 394 | 12,046 | 31,940 | 266 | 6,853 | 12 | 6,319 | 57,436 | 0 | – – | – – | – – | – – | 5,913 | – – | – – | – – |
| 2006 | 560 | 331 | 13,351 | 31,747 | 277 | 6,789 | 30 | 6,844 | 59,037 | 0 | – – | – – | – – | – – | 6,182 | – – | – – | – – |
| 2007 | 475 | 329 | 12,901 | 29,053 | 209 | 6,927 | 263 | 6,555 | 55,907 | 0 | – – | – – | – – | – – | 6,327 | – – | – – | – – |
| 2008 | 558 | 299 | 12,322 | 23,817 | 334 | 6,708 | 200 | 5,019 | 48,400 | 0 | – – | – – | – – | – – | 6,325 | – – | – – | – – |
| 2009 | 531 | 304 | 13,942 | 18,746 | 411 | 6,725 | 3 | 4,462 | 44,289 | 0 | – – | – – | – – | – – | 6,270 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 6.3 | 2.0 | 14.8 | 10.6 | 0.2 | 8.7 | 4.4 | 6.1 | 44.8 | 0.0 | 3.7 | NA | NA | NA | 1.0 | 57.8 | 3.6 | 61.4 |
| 1965 | 7.2 | 5.5 | 20.3 | 16.5 | 0.4 | 12.9 | 5.5 | 4.4 | 59.9 | 0.0 | 4.9 | NA | NA | NA | 2.1 | 79.6 | 8.2 | 87.8 |
| 1970 | 8.9 | 55.8 | 27.4 | 37.7 | 0.6 | 13.8 | 6.4 | 7.8 | 93.7 | 0.0 | 5.0 | NA | NA | NA | 3.8 | 167.2 | 14.9 | 182.0 |
| 1975 | 10.8 | 65.4 | 37.3 | 41.7 | 0.8 | 22.0 | 6.7 | 10.7 | 119.1 | 0.0 | 4.9 | NA | NA | NA | 7.0 | 207.2 | 25.0 | 232.2 |
| 1980 | 0.0 | 124.9 | 35.8 | 54.0 | 0.7 | 19.3 | 0.1 | 14.0 | 124.0 | 0.0 | 2.7 | NA | NA | NA | 8.8 | 260.3 | 35.4 | 295.8 |
| 1985 | 6.9 | 179.6 | 56.4 | 85.8 | 1.2 | 29.6 | 16.3 | 41.7 | 231.0 | 0.0 | 4.0 | 0.0 | NA | NA | 13.6 | 435.1 | 39.3 | 474.4 |
| 1990 | 7.8 | 291.5 | 58.6 | 97.9 | 1.4 | 30.8 | 1.6 | 32.2 | 222.5 | 0.0 | 8.2 | 0.0 | 0.1 | (s) | 14.5 | 544.6 | 39.4 | 584.0 |
| 1995 | 8.3 | 402.9 | 71.1 | 95.9 | 1.0 | 37.3 | 3.1 | 22.5 | 230.9 | 0.0 | 8.3 | 0.0 | 0.1 | (s) | 15.8 | 666.2 | 37.9 | 704.2 |
| 2000 | 8.2 | 298.0 | 60.9 | 146.7 | 0.8 | 31.1 | 0.7 | 28.6 | 268.9 | 0.0 | 1.9 | 0.0 | 0.1 | (s) | 18.1 | 595.2 | 42.7 | 637.9 |
| 2001 | 7.4 | 380.3 | 65.1 | 137.6 | 0.9 | 33.3 | 0.5 | 43.0 | 280.4 | 0.0 | 3.0 | 0.0 | 0.1 | (s) | 18.6 | 689.8 | 46.1 | 735.8 |
| 2002 | 7.4 | 388.8 | 59.8 | 143.2 | 1.1 | 30.8 | 0.3 | 33.0 | 268.3 | 0.0 | 3.2 | 0.0 | 0.1 | (s) | 18.6 | 686.3 | 46.7 | 733.0 |
| 2003 | 7.0 | 381.3 | 53.7 | 155.2 | 1.1 | 30.8 | 0.1 | 34.9 | 275.8 | 0.0 | 3.3 | 0.0 | 0.1 | (s) | 19.0 | 686.4 | 45.7 | 732.1 |
| 2004 | 7.8 | 370.1 | 78.8 | 175.5 | 0.8 | 36.2 | 0.0 | 36.0 | 327.3 | 0.0 | 3.3 | 0.0 | 0.1 | (s) | 19.8 | 728.2 | 47.0 | 775.2 |
| 2005 | 7.9 | 395.2 | 70.2 | 181.1 | 1.0 | 35.8 | 0.1 | 37.7 | 325.8 | 0.0 | 1.1 | 0.0 | 0.1 | (s) | 20.2 | 750.3 | 47.6 | 797.9 |
| 2006 | 8.7 | 332.1 | 77.8 | 180.0 | 1.0 | 35.4 | 0.2 | 40.7 | 335.0 | 0.0 | 1.1 | 0.0 | 0.1 | (s) | 21.1 | 698.2 | 48.6 | 746.8 |
| 2007 | 7.4 | 330.6 | 75.1 | 164.7 | 0.7 | 36.2 | 1.7 | 39.0 | 317.5 | 0.0 | 1.2 | 0.0 | 0.1 | (s) | 21.6 | 678.4 | 45.3 | 723.7 |
| 2008 | 8.5 | 300.5 | 71.8 | 135.0 | 1.2 | 35.0 | 1.3 | 30.0 | 274.2 | 0.0 | 1.2 | 0.0 | 0.1 | (s) | 21.6 | 606.2 | 44.6 | 650.8 |
| 2009 | 8.2 | 305.7 | 81.2 | 106.3 | 1.5 | 35.1 | (s) | 26.7 | 250.7 | 0.0 | 1.2 | 0.0 | 0.2 | (s) | 21.4 | 587.3 | 43.2 | 630.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 38 | (s) | 866 | 0 | 24 | 890 | 90 | – – | – – | 151 | – – | – – | – – |
| 1965 | 20 | 1 | 1,110 | 10 | 51 | 1,171 | 80 | – – | – – | 292 | – – | – – | – – |
| 1970 | 13 | 6 | 1,362 | 19 | 51 | 1,432 | 65 | – – | – – | 527 | – – | – – | – – |
| 1975 | 5 | 10 | 1,621 | 91 | 46 | 1,758 | 71 | – – | – – | 898 | – – | – – | – – |
| 1980 | 0 | 8 | 1,172 | 0 | 39 | 1,211 | 47 | – – | – – | 1,092 | – – | – – | – – |
| 1985 | 96 | 13 | 1,274 | 1 | 128 | 1,402 | 93 | – – | – – | 1,674 | – – | – – | – – |
| 1990 | 99 | 14 | 1,557 | 3 | 200 | 1,759 | 76 | – – | – – | 1,661 | – – | – – | – – |
| 1995 | 68 | 15 | 2,024 | (s) | 104 | 2,129 | 92 | – – | – – | 1,713 | – – | – – | – – |
| 1996 | 57 | 16 | 1,927 | (s) | 130 | 2,057 | 96 | – – | – – | 1,766 | – – | – – | – – |
| 1997 | 55 | 15 | 1,849 | (s) | 82 | 1,931 | 78 | – – | – – | 1,726 | – – | – – | – – |
| 1998 | 58 | 16 | 1,672 | 1 | 65 | 1,738 | 70 | – – | – – | 1,768 | – – | – – | – – |
| 1999 | 66 | 18 | 2,033 | 17 | 142 | 2,191 | 73 | – – | – – | 1,866 | – – | – – | – – |
| 2000 | 58 | 16 | 1,731 | 13 | 125 | 1,870 | 79 | – – | – – | 1,855 | – – | – – | – – |
| 2001 | 52 | 17 | 1,824 | 16 | 143 | 1,982 | 126 | – – | – – | 1,891 | – – | – – | – – |
| 2002 | 57 | 16 | 1,491 | (s) | 140 | 1,631 | 128 | – – | – – | 1,932 | – – | – – | – – |
| 2003 | 58 | 17 | 1,429 | 15 | 149 | 1,593 | 134 | – – | – – | 1,987 | – – | – – | – – |
| 2004 | 50 | 18 | 1,687 | 20 | 91 | 1,797 | 138 | – – | – – | 2,062 | – – | – – | – – |
| 2005 | 40 | 18 | 1,619 | 31 | 158 | 1,808 | R 46 | – – | – – | 2,062 | – – | – – | – – |
| 2006 | 50 | 21 | 1,932 | 275 | 138 | 2,346 | R 42 | – – | – – | 2,120 | – – | – – | – – |
| 2007 | 47 | 20 | 1,458 | 161 | 106 | 1,725 | R 46 | – – | – – | 2,114 | – – | – – | – – |
| 2008 | 56 | 21 | R 1,266 | 91 | 193 | R 1,550 | R 48 | – – | – – | 2,129 | – – | – – | – – |
| 2009 | 53 | 20 | 1,538 | 13 | 183 | 1,735 | 46 | – – | – – | 2,117 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.7 | 0.2 | 5.0 | 0.0 | 0.1 | 5.1 | 1.8 | NA | NA | 0.5 | 8.4 | 1.8 | 10.2 |
| 1965 | 0.4 | 1.5 | 6.5 | 0.1 | 0.2 | 6.7 | 1.6 | NA | NA | 1.0 | 11.1 | 3.9 | 15.0 |
| 1970 | 0.2 | 6.2 | 7.9 | 0.1 | 0.2 | 8.2 | 1.3 | NA | NA | 1.8 | 17.8 | 7.1 | 24.9 |
| 1975 | 0.1 | 10.4 | 9.4 | 0.5 | 0.2 | 10.1 | 1.4 | NA | NA | 3.1 | 25.1 | 11.0 | 36.1 |
| 1980 | 0.0 | 7.9 | 6.8 | 0.0 | 0.1 | 7.0 | 0.9 | NA | NA | 3.7 | 19.6 | 15.0 | 34.6 |
| 1985 | 1.5 | 13.3 | 7.4 | (s) | 0.5 | 7.9 | 1.9 | NA | NA | 5.7 | 30.3 | 16.5 | 46.8 |
| 1990 | 1.6 | 13.4 | 9.1 | (s) | 0.7 | 9.8 | 1.5 | (s) | (s) | 5.7 | 32.0 | 15.4 | 47.4 |
| 1995 | 1.1 | 15.3 | 11.8 | (s) | 0.4 | 12.2 | 1.8 | (s) | (s) | 5.8 | 36.3 | 14.0 | 50.3 |
| 1996 | 0.9 | 16.0 | 11.2 | (s) | 0.5 | 11.7 | 1.9 | (s) | (s) | 6.0 | 36.6 | 14.3 | 50.9 |
| 1997 | 0.9 | 15.1 | 10.8 | (s) | 0.3 | 11.1 | 1.6 | (s) | (s) | 5.9 | 34.6 | 14.3 | 48.8 |
| 1998 | 0.9 | 15.6 | 9.7 | (s) | 0.2 | 10.0 | 1.4 | (s) | (s) | 6.0 | 33.9 | 13.6 | 47.6 |
| 1999 | 1.0 | 17.6 | 11.8 | 0.1 | 0.5 | 12.4 | 1.5 | (s) | (s) | 6.4 | 39.0 | 13.2 | 52.2 |
| 2000 | 0.9 | 12.2 | 10.1 | 0.1 | 0.5 | 10.6 | 1.6 | (s) | (s) | 6.3 | 31.6 | 14.9 | 46.5 |
| 2001 | 0.8 | 17.0 | 10.6 | 0.1 | 0.5 | 11.2 | 2.5 | (s) | (s) | 6.5 | 38.1 | 16.0 | 54.0 |
| 2002 | 0.9 | 16.2 | 8.7 | (s) | 0.5 | 9.2 | 2.6 | (s) | (s) | 6.6 | 35.5 | 16.5 | 52.0 |
| 2003 | 0.9 | 16.9 | 8.3 | 0.1 | 0.5 | 8.9 | 2.7 | 0.1 | (s) | 6.8 | 36.3 | 16.3 | 52.6 |
| 2004 | 0.8 | 18.3 | 9.8 | 0.1 | 0.3 | 10.3 | 2.8 | (s) | (s) | 7.0 | 39.1 | 16.7 | 55.9 |
| 2005 | 0.6 | 18.1 | 9.4 | 0.2 | 0.6 | 10.2 | R 0.9 | (s) | (s) | 7.0 | R 36.9 | 16.6 | R 53.5 |
| 2006 | 0.8 | 20.7 | 11.3 | 1.6 | 0.5 | 13.3 | R 0.8 | (s) | (s) | 7.2 | R 42.9 | 16.7 | R 59.6 |
| 2007 | 0.7 | 19.9 | 8.5 | 0.9 | 0.4 | 9.8 | R 0.9 | 0.1 | (s) | 7.2 | R 38.7 | 15.1 | R 53.8 |
| 2008 | 0.9 | 21.6 | R 7.4 | 0.5 | 0.7 | R 8.6 | R 1.0 | 0.1 | (s) | 7.3 | R 39.3 | 15.0 | R 54.3 |
| 2009 | 0.8 | 20.1 | 9.0 | 0.1 | 0.7 | 9.7 | 0.9 | 0.1 | (s) | 7.2 | 38.8 | 14.6 | 53.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 26 | 0 | 268 | 0 | 18 | 130 | 464 | 880 | NA | – – | – – | 99 | – – | – – | – – |
| 1965 | 15 | 2 | 344 | 0 | 39 | 253 | 751 | 1,387 | NA | – – | – – | 267 | – – | – – | – – |
| 1970 | 10 | 13 | 422 | 0 | 39 | 246 | 807 | 1,514 | NA | – – | – – | 478 | – – | – – | – – |
| 1975 | 12 | 14 | 502 | 0 | 35 | 415 | 558 | 1,510 | NA | – – | – – | 657 | – – | – – | – – |
| 1980 | 0 | 17 | 577 | 0 | 30 | 258 | 4 | 869 | NA | – – | – – | 728 | – – | – – | – – |
| 1985 | 341 | 20 | 901 | 3 | 98 | 268 | 0 | 1,269 | NA | – – | – – | 1,898 | – – | – – | – – |
| 1990 | 395 | 22 | 1,049 | (s) | 153 | 52 | 0 | 1,254 | 0 | – – | – – | 2,133 | – – | – – | – – |
| 1995 | 455 | 25 | 1,035 | (s) | 80 | 21 | 0 | 1,136 | 0 | – – | – – | 2,372 | – – | – – | – – |
| 1996 | 417 | 27 | 1,181 | (s) | 99 | 294 | 0 | 1,574 | 0 | – – | – – | 2,429 | – – | – – | – – |
| 1997 | 448 | 27 | 947 | (s) | 63 | 71 | 0 | 1,081 | 0 | – – | – – | 2,359 | – – | – – | – – |
| 1998 | 472 | 27 | 1,068 | (s) | 50 | 116 | 0 | 1,234 | 0 | – – | – – | 2,508 | – – | – – | – – |
| 1999 | 486 | 28 | 1,310 | 1 | 109 | 88 | 0 | 1,508 | 0 | – – | – – | 2,583 | – – | – – | – – |
| 2000 | 466 | 26 | 1,155 | (s) | 96 | 64 | 0 | 1,315 | 0 | – – | – – | 2,418 | – – | – – | – – |
| 2001 | 421 | 16 | 1,686 | 1 | 109 | 680 | 0 | 2,476 | 0 | – – | – – | 2,483 | – – | – – | – – |
| 2002 | 414 | 16 | 1,239 | (s) | 108 | 124 | 0 | 1,471 | 0 | – – | – – | 2,445 | – – | – – | – – |
| 2003 | 390 | 17 | 905 | (s) | 127 | 9 | 0 | 1,040 | 0 | – – | – – | 2,473 | – – | – – | – – |
| 2004 | 447 | 18 | 1,158 | 1 | 83 | 95 | 0 | 1,336 | 0 | – – | – – | 2,601 | – – | – – | – – |
| 2005 | 465 | 17 | 1,006 | 1 | 98 | 168 | 0 | 1,272 | 0 | – – | – – | 2,695 | – – | – – | – – |
| 2006 | 508 | 19 | 1,166 | 185 | 110 | 156 | 3 | 1,620 | 0 | – – | – – | 2,819 | – – | – – | – – |
| 2007 | 426 | 19 | 981 | 106 | 84 | 176 | 0 | 1,347 | 0 | – – | – – | 2,828 | – – | – – | – – |
| 2008 | 502 | 17 | R 1,194 | 62 | 131 | 116 | 1 | R 1,503 | 0 | – – | – – | 2,851 | – – | – – | – – |
| 2009 | 475 | 17 | 1,121 | 12 | 183 | 64 | 0 | 1,380 | 0 | – – | – – | 2,841 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.5 | 0.0 | 1.6 | 0.0 | 0.1 | 0.7 | 2.9 | 5.2 | NA | (s) | NA | 0.3 | 6.1 | 1.2 | 7.3 |
| 1965 | 0.3 | 2.3 | 2.0 | 0.0 | 0.2 | 1.3 | 4.7 | 8.2 | NA | (s) | NA | 0.9 | 11.7 | 3.6 | 15.3 |
| 1970 | 0.2 | 12.6 | 2.5 | 0.0 | 0.1 | 1.3 | 5.1 | 9.0 | NA | (s) | NA | 1.6 | 23.4 | 6.4 | 29.8 |
| 1975 | 0.2 | 14.5 | 2.9 | 0.0 | 0.1 | 2.2 | 3.5 | 8.7 | NA | (s) | NA | 2.2 | 25.7 | 8.1 | 33.8 |
| 1980 | 0.0 | 16.6 | 3.4 | 0.0 | 0.1 | 1.4 | (s) | 4.9 | NA | (s) | NA | 2.5 | 23.9 | 10.0 | 33.9 |
| 1985 | 5.4 | 20.5 | 5.2 | (s) | 0.4 | 1.4 | 0.0 | 7.0 | NA | (s) | NA | 6.5 | 39.4 | 18.7 | 58.1 |
| 1990 | 6.2 | 20.5 | 6.1 | (s) | 0.6 | 0.3 | 0.0 | 6.9 | 0.0 | 0.2 | (s) | 7.3 | 41.1 | 19.8 | 60.9 |
| 1995 | 7.2 | 25.1 | 6.0 | (s) | 0.3 | 0.1 | 0.0 | 6.4 | 0.0 | 0.3 | (s) | 8.1 | 47.1 | 19.4 | 66.6 |
| 1996 | 6.6 | 27.0 | 6.9 | (s) | 0.4 | 1.5 | 0.0 | 8.8 | 0.0 | 0.3 | (s) | 8.3 | 51.0 | 19.7 | 70.6 |
| 1997 | 7.1 | 26.9 | 5.5 | (s) | 0.2 | 0.4 | 0.0 | 6.1 | 0.0 | 0.3 | (s) | 8.0 | 48.5 | 19.5 | 68.0 |
| 1998 | 7.4 | 27.0 | 6.2 | (s) | 0.2 | 0.6 | 0.0 | 7.0 | 0.0 | 0.2 | (s) | 8.6 | 50.3 | 19.3 | 69.6 |
| 1999 | 7.6 | 27.7 | 7.6 | (s) | 0.4 | 0.5 | 0.0 | 8.5 | 0.0 | 0.2 | (s) | 8.8 | 52.8 | 18.3 | 71.2 |
| 2000 | 7.3 | 20.2 | 6.7 | (s) | 0.3 | 0.3 | 0.0 | 7.4 | 0.0 | 0.3 | (s) | 8.3 | 43.4 | 19.4 | 62.8 |
| 2001 | 6.6 | 16.0 | 9.8 | (s) | 0.4 | 3.5 | 0.0 | 13.8 | 0.0 | 0.4 | (s) | 8.5 | 45.3 | 21.0 | 66.3 |
| 2002 | 6.5 | 15.7 | 7.2 | (s) | 0.4 | 0.6 | 0.0 | 8.3 | 0.0 | 0.5 | (s) | 8.3 | 39.3 | 20.9 | 60.2 |
| 2003 | 6.1 | 17.3 | 5.3 | (s) | 0.5 | (s) | 0.0 | 5.8 | 0.0 | 0.5 | (s) | 8.4 | 38.2 | 20.3 | 58.5 |
| 2004 | 7.0 | 18.4 | 6.7 | (s) | 0.3 | 0.5 | 0.0 | 7.5 | 0.0 | 0.5 | (s) | 8.9 | 42.4 | 21.1 | 63.4 |
| 2005 | 7.3 | 17.0 | 5.9 | (s) | 0.4 | 0.9 | 0.0 | 7.1 | 0.0 | 0.2 | (s) | 9.2 | R 40.7 | 21.7 | R 62.4 |
| 2006 | 7.9 | 18.6 | 6.8 | 1.0 | 0.4 | 0.8 | (s) | 9.1 | 0.0 | 0.2 | (s) | 9.6 | R 45.4 | 22.2 | 67.6 |
| 2007 | 6.6 | 18.8 | 5.7 | 0.6 | 0.3 | 0.9 | 0.0 | 7.5 | 0.0 | R 0.1 | (s) | 9.7 | 42.9 | 20.2 | R 63.1 |
| 2008 | 7.7 | 17.1 | R 7.0 | 0.3 | 0.5 | 0.6 | (s) | R 8.4 | 0.0 | 0.2 | 0.1 | 9.7 | R 43.1 | 20.1 | 63.3 |
| 2009 | 7.3 | 16.7 | 6.5 | 0.1 | 0.7 | 0.3 | 0.0 | 7.6 | 0.0 | 0.2 | 0.1 | 9.7 | 41.5 | 19.6 | 61.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 256 | 2 | 878 | 4 | 0 | 229 | 141 | 1,252 | 0 | – – | – – | – – | 45 | – – | – – | – – |
| 1965 | 339 | 2 | 1,238 | (s) | 83 | 60 | 417 | 1,798 | 0 | – – | – – | – – | 59 | – – | – – | – – |
| 1970 | 467 | 19 | 1,923 | 60 | 107 | 73 | 812 | 2,975 | 0 | – – | – – | – – | 101 | – – | – – | – – |
| 1975 | 594 | 40 | 2,117 | 130 | 106 | 31 | 1,146 | 3,530 | 0 | – – | – – | – – | 485 | – – | – – | – – |
| 1980 | 0 | 100 | 1,784 | 119 | 111 | 14 | 1,795 | 3,823 | 0 | – – | – – | – – | 757 | – – | – – | – – |
| 1985 | 0 | 140 | 1,713 | 91 | 406 | 2,577 | 6,433 | 11,220 | 0 | – – | – – | – – | 417 | – – | – – | – – |
| 1990 | 0 | 271 | 1,413 | 25 | 55 | 116 | 4,872 | 6,481 | 0 | – – | – – | – – | 459 | – – | – – | – – |
| 1995 | 0 | 358 | 3,099 | 85 | 62 | 375 | 3,298 | 6,920 | 0 | – – | – – | – – | 546 | – – | – – | – – |
| 1996 | 2 | 371 | 3,733 | 9 | 64 | 387 | 4,184 | 8,376 | 0 | – – | – – | – – | 584 | – – | – – | – – |
| 1997 | 2 | 345 | 3,583 | 180 | 54 | 139 | 4,180 | 8,134 | 0 | – – | – – | – – | 756 | – – | – – | – – |
| 1998 | 1 | 358 | 3,595 | 204 | 79 | 0 | 4,143 | 8,021 | 0 | – – | – – | – – | 818 | – – | – – | – – |
| 1999 | 1 | 340 | 3,295 | 16 | 25 | 0 | 4,370 | 7,705 | 0 | – – | – – | – – | 844 | – – | – – | – – |
| 2000 | 1 | 342 | 2,266 | (s) | 25 | 0 | 4,137 | 6,428 | 0 | – – | – – | – – | 1,037 | – – | – – | – – |
| 2001 | 1 | 339 | 2,288 | 7 | 76 | 18 | 6,681 | 9,070 | 0 | – – | – – | – – | 1,079 | – – | – – | – – |
| 2002 | 1 | 351 | 2,337 | 47 | 86 | 0 | 5,210 | 7,680 | 0 | – – | – – | – – | 1,088 | – – | – – | – – |
| 2003 | (s) | 342 | 2,130 | 35 | 113 | 0 | 5,578 | 7,856 | 0 | – – | – – | – – | 1,104 | – – | – – | – – |
| 2004 | 1 | 328 | 2,089 | 33 | 112 | 0 | 5,707 | 7,942 | 0 | – – | – – | – – | 1,126 | – – | – – | – – |
| 2005 | 2 | 356 | 1,912 | 6 | 102 | 0 | 5,927 | 7,948 | 0 | – – | – – | – – | 1,156 | – – | – – | – – |
| 2006 | 2 | 289 | 2,187 | 25 | 103 | 0 | 6,053 | 8,368 | 0 | – – | – – | – – | 1,243 | – – | – – | – – |
| 2007 | 2 | 288 | 2,691 | 16 | 66 | 0 | 5,956 | 8,729 | 0 | – – | – – | – – | 1,384 | – – | – – | – – |
| 2008 | (s) | 258 | R 2,778 | 9 | 73 | (s) | 4,589 | R 7,451 | 0 | – – | – – | – – | 1,344 | – – | – – | – – |
| 2009 | 4 | 265 | 3,372 | 43 | 69 | 3 | 4,150 | 7,638 | 0 | – – | – – | – – | 1,311 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 5.0 | 1.9 | 5.1 | (s) | 0.0 | 1.4 | 0.8 | 7.4 | 0.0 | 1.8 | NA | NA | 0.2 | 16.2 | 0.6 | 16.8 |
| 1965 | 6.5 | 1.8 | 7.2 | (s) | 0.4 | 0.4 | 2.6 | 10.6 | 0.0 | 3.2 | NA | NA | 0.2 | 22.3 | 0.8 | 23.1 |
| 1970 | 8.5 | 19.6 | 11.2 | 0.2 | 0.6 | 0.5 | 5.0 | 17.5 | 0.0 | 3.7 | NA | NA | 0.3 | 49.6 | 1.4 | 51.0 |
| 1975 | 10.5 | 40.4 | 12.3 | 0.5 | 0.6 | 0.2 | 7.1 | 20.6 | 0.0 | 3.5 | NA | NA | 1.7 | 76.7 | 5.9 | 82.6 |
| 1980 | 0.0 | 100.3 | 10.4 | 0.4 | 0.6 | 0.1 | 11.0 | 22.5 | 0.0 | 1.8 | NA | NA | 2.6 | 127.1 | 10.4 | 137.5 |
| 1985 | 0.0 | 140.7 | 10.0 | 0.3 | 2.1 | 16.2 | 38.7 | 67.3 | 0.0 | 2.1 | 0.0 | NA | 1.4 | 211.5 | 4.1 | 215.6 |
| 1990 | 0.0 | 256.1 | 8.2 | 0.1 | 0.3 | 0.7 | 29.2 | 38.5 | 0.0 | 6.5 | 0.0 | (s) | 1.6 | 302.6 | 4.3 | 306.9 |
| 1995 | 0.0 | 360.0 | 18.1 | 0.3 | 0.3 | 2.4 | 20.0 | 41.0 | 0.0 | 6.2 | 0.0 | (s) | 1.9 | 409.1 | 4.5 | 413.6 |
| 1996 | (s) | 367.4 | 21.7 | (s) | 0.3 | 2.4 | 25.2 | 49.7 | 0.0 | 5.9 | 0.0 | (s) | 2.0 | 425.0 | 4.7 | 429.7 |
| 1997 | (s) | 344.8 | 20.9 | 0.6 | 0.3 | 0.9 | 25.1 | 47.8 | 0.0 | 1.8 | 0.0 | (s) | 2.6 | 397.1 | 6.3 | 403.4 |
| 1998 | (s) | 357.4 | 20.9 | 0.7 | 0.4 | 0.0 | 25.1 | 47.2 | 0.0 | 0.2 | 0.0 | (s) | 2.8 | 407.6 | 6.3 | 413.9 |
| 1999 | (s) | 339.7 | 19.2 | 0.1 | 0.1 | 0.0 | 26.5 | 45.8 | 0.0 | 0.1 | 0.0 | 0.0 | 2.9 | 388.5 | 6.0 | 394.5 |
| 2000 | (s) | 260.1 | 13.2 | (s) | 0.1 | 0.0 | 25.3 | 38.6 | 0.0 | 0.1 | 0.0 | 0.0 | 3.5 | 302.4 | 8.3 | 310.7 |
| 2001 | (s) | 342.2 | 13.3 | (s) | 0.4 | 0.1 | 41.1 | 55.0 | 0.0 | (s) | 0.0 | 0.0 | 3.7 | 400.9 | 9.1 | 410.0 |
| 2002 | (s) | 352.4 | 13.6 | 0.2 | 0.4 | 0.0 | 31.6 | 45.8 | 0.0 | 0.2 | 0.0 | 0.0 | 3.7 | 402.1 | 9.3 | 411.4 |
| 2003 | (s) | 343.0 | 12.4 | 0.1 | 0.6 | 0.0 | 33.5 | 46.6 | 0.0 | 0.1 | 0.0 | 0.0 | 3.8 | 393.5 | 9.1 | 402.5 |
| 2004 | (s) | 329.5 | 12.2 | 0.1 | 0.6 | 0.0 | 34.4 | 47.3 | 0.0 | 0.1 | 0.0 | 0.0 | 3.8 | 380.8 | 9.1 | 389.9 |
| 2005 | (s) | 357.5 | 11.1 | (s) | 0.5 | 0.0 | 35.6 | 47.3 | 0.0 | 0.1 | 0.0 | 0.0 | 3.9 | 408.8 | 9.3 | 418.1 |
| 2006 | (s) | 289.9 | 12.7 | 0.1 | 0.5 | 0.0 | 36.3 | 49.7 | 0.0 | 0.1 | 0.0 | 0.0 | 4.2 | 344.0 | 9.8 | 353.7 |
| 2007 | (s) | 289.7 | 15.7 | 0.1 | 0.3 | 0.0 | 35.8 | 51.9 | 0.0 | 0.1 | 0.0 | 0.0 | 4.7 | 346.4 | 9.9 | 356.3 |
| 2008 | (s) | 259.7 | R 16.2 | (s) | 0.4 | (s) | 27.6 | R 44.2 | 0.0 | 0.1 | 0.0 | 0.0 | 4.6 | R 308.6 | 9.5 | R 318.1 |
| 2009 | 0.1 | 266.5 | 19.6 | 0.2 | 0.4 | (s) | 25.0 | 45.2 | 0.0 | 0.1 | 0.0 | 0.0 | 4.5 | 316.3 | 9.0 | 325.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 4 | (s) | 1,032 | 528 | 1,972 | 0 | 3 | 1,527 | 15 | 5,077 | 0 | – – | – – | – – |
| 1965 | 1 | 0 | 293 | 789 | 3,005 | (s) | 40 | 2,113 | 66 | 6,307 | 0 | – – | – – | – – |
| 1970 | 1 | 17 | 462 | 1,000 | 6,735 | 1 | 59 | 2,267 | 135 | 10,659 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 466 | 2,157 | 7,420 | 0 | 121 | 3,658 | 484 | 14,305 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 498 | 2,605 | 9,618 | 4 | 94 | 3,306 | 0 | 16,125 | 0 | – – | – – | – – |
| 1985 | 0 | 5 | 490 | 5,793 | 15,231 | 14 | 86 | 4,964 | 19 | 26,596 | 0 | – – | – – | – – |
| 1990 | 0 | 2 | 491 | 6,042 | 17,367 | 6 | 96 | 5,747 | 138 | 29,888 | 0 | – – | – – | – – |
| 1995 | 0 | 2 | 389 | 6,053 | 16,921 | 2 | 92 | 7,065 | 114 | 30,636 | 0 | – – | – – | – – |
| 1996 | 0 | 2 | 142 | 4,340 | 18,652 | 4 | 89 | 6,377 | 4 | 29,608 | 0 | – – | – – | – – |
| 1997 | 0 | 5 | 407 | 5,002 | 21,108 | 2 | 94 | 6,187 | 2 | 32,803 | 0 | – – | – – | – – |
| 1998 | 0 | 6 | 152 | 4,632 | 21,886 | 1 | 99 | 6,543 | 7 | 33,319 | 0 | – – | – – | – – |
| 1999 | 0 | 7 | 529 | 4,898 | 23,612 | (s) | 100 | 6,312 | 230 | 35,680 | 0 | – – | – – | – – |
| 2000 | 0 | 7 | 521 | 5,308 | 25,872 | (s) | 98 | 5,884 | 118 | 37,801 | 0 | – – | – – | – – |
| 2001 | 0 | 5 | 245 | 5,384 | 24,262 | 2 | 90 | 5,627 | 54 | 35,663 | 0 | – – | – – | – – |
| 2002 | 0 | 4 | 179 | 5,195 | 25,111 | 23 | 89 | 5,713 | 51 | 36,360 | 0 | – – | – – | – – |
| 2003 | 0 | 4 | 156 | 4,751 | 27,355 | 3 | 82 | 5,797 | 13 | 38,158 | 0 | – – | – – | – – |
| 2004 | 0 | 4 | 182 | 8,596 | 30,954 | 2 | 83 | 6,740 | 0 | 46,558 | 0 | – – | – – | – – |
| 2005 | 0 | 3 | 277 | 7,509 | 31,940 | 4 | 83 | 6,583 | 12 | 46,407 | 0 | – – | – – | – – |
| 2006 | 0 | 3 | 250 | 8,065 | 31,747 | 4 | 81 | 6,530 | 27 | 46,704 | 0 | – – | – – | – – |
| 2007 | 0 | 2 | 248 | 7,771 | 29,053 | 3 | 83 | 6,685 | 263 | 44,105 | 0 | – – | – – | – – |
| 2008 | 0 | 2 | 200 | R 7,083 | 23,817 | 1 | 77 | 6,518 | 199 | R 37,896 | 0 | – – | – – | – – |
| 2009 | 0 | 2 | 217 | 7,910 | 18,746 | 1 | 70 | 6,591 | 0 | 33,535 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.1 | (s) | 5.2 | 3.1 | 10.6 | 0.0 | (s) | 8.0 | 0.1 | 27.1 | 0.0 | 27.1 | 0.0 | 27.1 |
| 1965 | (s) | 0.0 | 1.5 | 4.6 | 16.5 | (s) | 0.2 | 11.1 | 0.4 | 34.4 | 0.0 | 34.4 | 0.0 | 34.4 |
| 1970 | (s) | 17.4 | 2.3 | 5.8 | 37.7 | (s) | 0.4 | 11.9 | 0.9 | 59.0 | 0.0 | 76.4 | 0.0 | 76.4 |
| 1975 | (s) | 0.1 | 2.4 | 12.6 | 41.7 | 0.0 | 0.7 | 19.2 | 3.0 | 79.6 | 0.0 | 79.7 | 0.0 | 79.7 |
| 1980 | 0.0 | 0.1 | 2.5 | 15.2 | 54.0 | (s) | 0.6 | 17.4 | 0.0 | 89.7 | 0.0 | 89.8 | 0.0 | 89.8 |
| 1985 | 0.0 | 5.2 | 2.5 | 33.7 | 85.8 | 0.1 | 0.5 | 26.1 | 0.1 | 148.7 | 0.0 | 153.9 | 0.0 | 153.9 |
| 1990 | 0.0 | 1.6 | 2.5 | 35.2 | 97.9 | (s) | 0.6 | 30.2 | 0.9 | 167.3 | 0.0 | 168.9 | 0.0 | 168.9 |
| 1995 | 0.0 | 2.4 | 2.0 | 35.3 | 95.9 | (s) | 0.6 | 36.8 | 0.7 | 171.3 | 0.0 | 173.7 | 0.0 | 173.7 |
| 1996 | 0.0 | 2.0 | 0.7 | 25.3 | 105.8 | (s) | 0.5 | 33.3 | (s) | 165.6 | 0.0 | 167.6 | 0.0 | 167.6 |
| 1997 | 0.0 | 4.9 | 2.1 | 29.1 | 119.7 | (s) | 0.6 | 32.3 | (s) | 183.7 | 0.0 | 188.7 | 0.0 | 188.7 |
| 1998 | 0.0 | 5.6 | 0.8 | 27.0 | 124.2 | (s) | 0.6 | 34.1 | (s) | 186.7 | 0.0 | 192.3 | 0.0 | 192.3 |
| 1999 | 0.0 | 7.3 | 2.7 | 28.5 | 134.1 | (s) | 0.6 | 32.9 | 1.4 | 200.3 | 0.0 | 207.5 | 0.0 | 207.5 |
| 2000 | 0.0 | 5.6 | 2.6 | 30.9 | 146.7 | (s) | 0.6 | 30.7 | 0.7 | 212.2 | 0.0 | 217.9 | 0.0 | 217.9 |
| 2001 | 0.0 | 5.1 | 1.2 | 31.4 | 137.6 | (s) | 0.5 | 29.3 | 0.3 | 200.4 | 0.0 | 205.5 | 0.0 | 205.5 |
| 2002 | 0.0 | 4.4 | 0.9 | 30.3 | 143.2 | 0.1 | 0.5 | 29.8 | 0.3 | 205.0 | 0.0 | 209.4 | 0.0 | 209.4 |
| 2003 | 0.0 | 4.1 | 0.8 | 27.7 | 155.2 | (s) | 0.5 | 30.2 | 0.1 | 214.4 | 0.0 | 218.5 | 0.0 | 218.5 |
| 2004 | 0.0 | 3.8 | 0.9 | 50.1 | 175.5 | (s) | 0.5 | 35.2 | 0.0 | 262.2 | 0.0 | 266.0 | 0.0 | 266.0 |
| 2005 | 0.0 | 2.7 | 1.4 | 43.7 | 181.1 | (s) | 0.5 | 34.3 | 0.1 | 261.2 | 0.0 | 263.8 | 0.0 | 263.8 |
| 2006 | 0.0 | 2.9 | 1.3 | 47.0 | 180.0 | (s) | 0.5 | 34.1 | 0.2 | 263.0 | 0.0 | 265.9 | 0.0 | 265.9 |
| 2007 | 0.0 | 2.2 | 1.3 | 45.3 | 164.7 | (s) | 0.5 | 34.9 | 1.7 | 248.3 | 0.0 | 250.5 | 0.0 | 250.5 |
| 2008 | 0.0 | 2.1 | 1.0 | R 41.3 | 135.0 | (s) | 0.5 | 34.0 | 1.2 | R 213.0 | 0.0 | R 215.1 | 0.0 | R 215.1 |
| 2009 | 0.0 | 2.4 | 1.1 | 46.1 | 106.3 | (s) | 0.4 | 34.4 | 0.0 | 188.3 | 0.0 | 190.6 | 0.0 | 190.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Alaska

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 52 | 0 | 3 | 95 | 0 | 99 | 0 | 290 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 151 | 2 | 4 | 308 | 0 | 312 | 0 | 350 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 249 | 8 | 5 | 394 | 0 | 399 | 0 | 363 | – – | 0 | NA | NA | (s) | – – |
| 1975 | 257 | 20 | 1 | 694 | 0 | 696 | 0 | 357 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 273 | 29 | 353 | 538 | 0 | 891 | 0 | 539 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 296 | 34 | 476 | 518 | 0 | 994 | 0 | 748 | – – | 0 | 0 | (s) | 0 | – – |
| 1990 | 290 | 34 | 171 | 486 | 0 | 658 | 0 | 975 | – – | 0 | 0 | 0 | 1 | – – |
| 1995 | 293 | 30 | 257 | 592 | 0 | 849 | 0 | 1,372 | – – | 0 | 0 | 0 | 1 | – – |
| 1996 | 229 | 31 | 515 | 655 | 0 | 1,171 | 0 | 1,266 | – – | 0 | 0 | 0 | 1 | – – |
| 1997 | 235 | 34 | 723 | 598 | 0 | 1,321 | 0 | 1,099 | – – | 0 | 0 | 0 | 2 | – – |
| 1998 | 481 | 29 | 821 | 537 | 0 | 1,357 | 0 | 1,113 | – – | 0 | 0 | 0 | 1 | – – |
| 1999 | 465 | 31 | 838 | 629 | 0 | 1,467 | 0 | 817 | – – | 0 | 0 | 0 | 1 | – – |
| 2000 | 500 | 36 | 670 | 415 | 0 | 1,085 | 0 | 1,002 | – – | 0 | 0 | 0 | 1 | – – |
| 2001 | 515 | 33 | 1,057 | 494 | 0 | 1,550 | 0 | 1,346 | – – | 0 | 0 | 1 | 1 | – – |
| 2002 | 562 | 32 | 1,007 | 553 | 0 | 1,560 | 0 | 1,439 | – – | 0 | 0 | 0 | 1 | – – |
| 2003 | 342 | 34 | 851 | 511 | 0 | 1,363 | 0 | 1,583 | – – | 0 | 0 | 0 | 1 | – – |
| 2004 | 393 | 38 | 702 | 529 | 0 | 1,231 | 0 | 1,498 | – – | 0 | 0 | 0 | 1 | – – |
| 2005 | 398 | 39 | 696 | 538 | 0 | 1,234 | 0 | 1,464 | – – | 0 | 0 | 1 | 1 | – – |
| 2006 | 408 | 43 | 682 | 586 | 0 | 1,268 | 0 | 1,224 | – – | 0 | 0 | 1 | 1 | – – |
| 2007 | 414 | 41 | 471 | 633 | 0 | 1,105 | 0 | 1,291 | – – | 0 | 0 | 1 | 1 | – – |
| 2008 | 427 | 43 | 197 | 651 | 0 | 848 | 0 | 1,172 | – – | 0 | 0 | (s) | 1 | – – |
| 2009 | 437 | 38 | 546 | 594 | 0 | 1,140 | 0 | 1,324 | – – | 0 | 0 | 7 | 1 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.9 | 0.0 | (s) | 0.6 | 0.0 | 0.6 | 0.0 | 3.1 | 0.0 | 0.0 | NA | NA | 0.0 | 4.6 |
| 1965 | 2.7 | 2.2 | (s) | 1.8 | 0.0 | 1.8 | 0.0 | 3.7 | 0.0 | 0.0 | NA | NA | 0.0 | 10.3 |
| 1970 | 4.3 | 8.2 | (s) | 2.3 | 0.0 | 2.3 | 0.0 | 3.8 | 0.0 | 0.0 | NA | NA | (s) | 18.6 |
| 1975 | 4.5 | 19.7 | (s) | 4.0 | 0.0 | 4.1 | 0.0 | 3.7 | 0.0 | 0.0 | NA | NA | 0.0 | 32.0 |
| 1980 | 4.3 | 28.9 | 2.2 | 3.1 | 0.0 | 5.4 | 0.0 | 5.6 | 0.0 | 0.0 | NA | NA | 0.0 | 44.2 |
| 1985 | 4.7 | 34.4 | 3.0 | 3.0 | 0.0 | 6.0 | 0.0 | 7.8 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 52.9 |
| 1990 | 4.6 | 35.3 | 1.1 | 2.8 | 0.0 | 3.9 | 0.0 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 53.9 |
| 1995 | 4.6 | 29.9 | 1.6 | 3.4 | 0.0 | 5.1 | 0.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 53.7 |
| 1996 | 3.6 | 31.2 | 3.2 | 3.8 | 0.0 | 7.1 | 0.0 | 13.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 55.0 |
| 1997 | 3.7 | 33.6 | 4.5 | 3.5 | 0.0 | 8.0 | 0.0 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 56.6 |
| 1998 | 8.1 | 28.9 | 5.2 | 3.1 | 0.0 | 8.3 | 0.0 | 11.4 | (s) | 0.0 | 0.0 | 0.0 | (s) | 56.6 |
| 1999 | 7.8 | 30.6 | 5.3 | 3.7 | 0.0 | 8.9 | 0.0 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 55.6 |
| 2000 | 8.3 | 35.7 | 4.2 | 2.4 | 0.0 | 6.6 | 0.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 60.8 |
| 2001 | 8.5 | 32.7 | 6.6 | 2.9 | 0.0 | 9.5 | 0.0 | 13.9 | 0.0 | 0.0 | 0.0 | (s) | (s) | 64.7 |
| 2002 | 9.1 | 32.0 | 6.3 | 3.2 | 0.0 | 9.6 | 0.0 | 14.6 | (s) | 0.0 | 0.0 | 0.0 | (s) | 65.3 |
| 2003 | 5.6 | 34.6 | 5.4 | 3.0 | 0.0 | 8.3 | 0.0 | 16.2 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 64.7 |
| 2004 | 6.3 | 37.9 | 4.4 | 3.1 | 0.0 | 7.5 | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 66.7 |
| 2005 | 6.1 | 39.5 | 4.4 | 3.1 | 0.0 | 7.5 | 0.0 | 14.6 | 0.0 | 0.0 | 0.0 | (s) | (s) | 67.8 |
| 2006 | 6.2 | 43.6 | 4.3 | 3.4 | 0.0 | 7.7 | 0.0 | 12.1 | 0.0 | 0.0 | 0.0 | (s) | (s) | 69.7 |
| 2007 | 6.2 | 41.2 | 3.0 | 3.7 | 0.0 | 6.7 | 0.0 | 12.8 | 0.0 | 0.0 | 0.0 | (s) | (s) | 66.8 |
| 2008 | 6.2 | 43.4 | 1.2 | 3.8 | 0.0 | 5.0 | 0.0 | 11.5 | 0.0 | 0.0 | 0.0 | (s) | (s) | 66.2 |
| 2009 | 6.3 | 38.3 | 3.4 | 3.5 | 0.0 | 6.9 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 0.1 | (s) | 64.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 10 | 136 | 2,787 | 4,721 | 724 | 12,363 | 125 | 1,901 | 22,622 | 0 | 2,990 | NA |
| 1965 | 337 | 154 | 3,528 | 5,545 | 1,056 | 14,997 | 82 | 1,918 | 27,125 | 0 | 4,439 | NA |
| 1970 | 406 | 193 | 4,899 | 6,644 | 1,304 | 21,542 | 105 | 4,615 | 39,108 | 0 | 6,154 | NA |
| 1971 | 424 | 213 | 5,240 | 6,769 | 1,324 | 22,957 | 534 | 3,872 | 40,696 | 0 | 6,643 | NA |
| 1972 | 362 | 228 | 7,577 | 6,960 | 1,425 | 25,557 | 1,602 | 4,523 | 47,645 | 0 | 6,784 | NA |
| 1973 | 481 | 214 | 10,295 | 7,226 | 1,362 | 27,825 | 7,332 | 4,463 | 58,503 | 0 | 7,197 | NA |
| 1974 | 2,231 | 192 | 9,533 | 7,229 | 1,477 | 26,717 | 8,192 | 5,149 | 58,299 | 0 | 7,400 | NA |
| 1975 | 4,392 | 156 | 10,143 | 7,075 | 1,119 | 27,704 | 5,942 | 3,412 | 55,395 | 0 | 7,254 | NA |
| 1976 | 6,651 | 171 | 10,106 | 6,670 | 915 | 28,935 | 5,658 | 3,304 | 55,589 | 0 | 7,579 | NA |
| 1977 | 8,383 | 167 | 12,682 | 7,173 | 945 | 30,765 | 7,786 | 3,791 | 63,141 | 0 | 6,597 | NA |
| 1978 | 7,456 | 175 | 14,384 | 7,417 | 1,141 | 32,431 | 4,959 | 4,260 | 64,593 | 0 | 7,021 | NA |
| 1979 | 11,689 | 173 | 11,972 | 7,832 | 1,739 | 32,091 | 4,926 | 4,187 | 62,748 | 0 | 7,256 | NA |
| 1980 | 11,559 | 166 | 10,769 | 7,967 | 1,589 | 30,589 | 1,339 | 3,097 | 55,350 | 0 | 9,836 | NA |
| 1981 | 15,240 | 183 | 9,990 | 7,523 | 1,278 | 30,825 | 259 | 2,582 | 52,458 | 0 | 6,803 | 5 |
| 1982 | 16,001 | 135 | 8,259 | 7,714 | 1,655 | 31,440 | 318 | 2,274 | 51,661 | 0 | 7,015 | 12 |
| 1983 | 13,968 | 115 | 8,937 | 7,089 | 1,654 | 32,995 | 535 | 2,369 | 53,580 | 0 | 14,482 | 2 |
| 1984 | 15,406 | 121 | 9,597 | 8,022 | 1,511 | 34,592 | 544 | 3,277 | 57,543 | 0 | 15,679 | 0 |
| 1985 | 16,364 | 131 | 10,109 | 7,154 | 1,722 | 36,148 | 176 | 3,320 | 58,629 | 1,130 | 13,987 | 0 |
| 1986 | 14,150 | 101 | 11,177 | 7,697 | 1,704 | 37,844 | 41 | 3,356 | 61,818 | 9,976 | 14,461 | 0 |
| 1987 | 13,375 | 117 | 10,237 | 8,374 | 1,943 | 39,271 | 122 | 3,364 | 63,310 | 13,458 | 10,135 | 0 |
| 1988 | 14,525 | 124 | 10,309 | 8,478 | 1,721 | 40,216 | 55 | 3,518 | 64,295 | 22,940 | 7,786 | 0 |
| 1989 | 16,871 | 146 | 11,205 | 8,157 | 1,608 | 40,648 | 152 | 3,377 | 65,148 | 7,850 | 7,877 | 0 |
| 1990 | 16,419 | 127 | 11,371 | 8,501 | 1,508 | 39,326 | 28 | 3,335 | 64,069 | 20,598 | 7,418 | 0 |
| 1991 | 16,805 | 125 | 10,282 | 9,642 | 1,700 | 40,593 | 200 | 3,181 | 65,598 | 25,096 | 6,736 | 0 |
| 1992 | 17,915 | 130 | 11,437 | 8,310 | 2,095 | 41,556 | 104 | 3,975 | 67,477 | 25,609 | 6,621 | 0 |
| 1993 | 18,991 | 115 | 14,172 | 7,892 | 1,843 | 43,026 | 190 | 3,171 | 70,293 | 22,049 | 6,697 | 80 |
| 1994 | 19,580 | 136 | 13,850 | 7,401 | 1,867 | 45,193 | 200 | 3,441 | 71,952 | 23,171 | 7,365 | 208 |
| 1995 | 16,682 | 124 | 15,125 | 7,588 | 1,938 | 47,159 | 81 | 3,985 | 75,875 | 26,985 | 8,288 | 655 |
| 1996 | 16,793 | 124 | 17,387 | 7,922 | 1,625 | 49,417 | 107 | 4,860 | 81,317 | 28,840 | 9,214 | 553 |
| 1997 | 18,206 | 135 | 17,911 | 7,978 | 1,204 | 48,884 | 14 | 5,274 | 81,264 | 29,314 | 12,049 | 549 |
| 1998 | 19,013 | 159 | 18,668 | 8,677 | 1,345 | 52,661 | 20 | 6,621 | 87,990 | 30,301 | 10,970 | 423 |
| 1999 | 19,710 | 165 | 20,169 | 9,627 | 1,809 | 54,854 | 40 | 6,436 | 92,935 | 30,416 | 9,759 | 366 |
| 2000 | 21,128 | 205 | 19,923 | 10,433 | 1,660 | 56,431 | 69 | 6,063 | 94,579 | 30,381 | 8,354 | 419 |
| 2001 | 20,830 | 241 | 21,591 | 9,914 | 1,650 | 58,506 | 252 | 3,772 | 95,684 | 28,724 | 7,624 | 579 |
| 2002 | 19,955 | 251 | 19,928 | 10,344 | 1,509 | 61,230 | 29 | 4,729 | 97,769 | 30,862 | 7,427 | 330 |
| 2003 | 20,059 | 273 | 20,308 | 10,650 | 1,823 | 61,827 | 0 | 4,683 | 99,291 | 28,581 | 7,075 | 319 |
| 2004 | 20,799 | 350 | 22,509 | 8,256 | 1,575 | 65,248 | 40 | 6,000 | 103,629 | 28,113 | 6,973 | 307 |
| 2005 | 21,053 | 322 | 25,930 | 8,018 | 1,395 | 67,483 | 21 | 5,822 | 108,670 | 25,807 | 6,410 | 3,961 |
| 2006 | 21,247 | 358 | 26,839 | 7,721 | 1,567 | 69,307 | 18 | R 5,426 | R 110,878 | 24,012 | 6,793 | 4,193 |
| 2007 | 21,902 | 393 | 26,330 | 6,612 | 1,569 | 70,010 | 22 | R 5,341 | R 109,883 | 26,782 | 6,598 | 4,667 |
| 2008 | 23,285 | R 399 | R 27,077 | 6,763 | 2,524 | 65,760 | 0 | R 4,661 | R 106,784 | 29,250 | 7,286 | 5,622 |
| 2009 | 21,193 | 369 | 24,613 | 5,695 | 2,057 | 63,595 | 0 | 3,980 | 99,940 | 30,662 | 6,427 | 5,619 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Arizona
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 0.2 | 140.3 | 16.2 | 25.3 | 2.9 | 64.9 | 0.8 | 11.3 | 121.5 | 262.0 | *140.3* | *64.9* |
| 1965 | 7.0 | 166.1 | 20.6 | 30.1 | 4.2 | 78.8 | 0.5 | 11.8 | 145.9 | 319.0 | *166.1* | *78.8* |
| 1970 | 8.6 | 204.4 | 28.5 | 36.4 | 4.9 | 113.2 | 0.7 | 29.6 | 213.3 | 426.3 | *204.4* | *113.2* |
| 1971 | 8.9 | 225.9 | 30.5 | 37.1 | 5.0 | 120.6 | 3.4 | 24.7 | 221.2 | 456.0 | *225.9* | *120.6* |
| 1972 | 7.5 | 241.4 | 44.1 | 38.2 | 5.4 | 134.3 | 10.1 | 29.0 | 261.0 | 509.9 | *241.4* | *134.3* |
| 1973 | 9.9 | 226.3 | 60.0 | 39.9 | 5.1 | 146.2 | 46.1 | 28.6 | 325.8 | 562.1 | *226.3* | *146.2* |
| 1974 | 48.4 | 205.0 | 55.5 | 39.8 | 5.5 | 140.3 | 51.5 | 33.0 | 325.7 | 579.0 | *205.0* | *140.3* |
| 1975 | 92.4 | 164.3 | 59.1 | 39.0 | 4.2 | 145.5 | 37.4 | 21.6 | 306.7 | 563.5 | *164.3* | *145.5* |
| 1976 | 140.0 | 180.2 | 58.9 | 36.8 | 3.4 | 152.0 | 35.6 | 20.7 | 307.4 | 627.5 | *180.2* | *152.0* |
| 1977 | 179.8 | 176.4 | 73.9 | 39.6 | 3.5 | 161.6 | 48.9 | 23.6 | 351.1 | 707.4 | *176.4* | *161.6* |
| 1978 | 160.0 | 186.4 | 83.8 | 41.0 | 4.2 | 170.4 | 31.2 | 26.8 | 357.3 | 703.7 | *186.4* | *170.4* |
| 1979 | 246.2 | 180.6 | 69.7 | 43.4 | 6.4 | 168.6 | 31.0 | 26.7 | 345.7 | 772.5 | *180.6* | *168.6* |
| 1980 | 245.0 | 174.0 | 62.7 | 43.9 | 5.8 | 160.7 | 8.4 | 19.6 | 301.2 | 720.2 | *174.0* | *160.7* |
| 1981 | 319.4 | 192.2 | 58.2 | 41.6 | 4.7 | 161.9 | 1.6 | 16.3 | 284.3 | 796.0 | *192.2* | *161.9* |
| 1982 | 336.2 | 142.3 | 48.1 | 42.6 | 6.0 | 165.2 | 2.0 | 14.5 | 278.3 | 756.9 | *142.3* | *165.2* |
| 1983 | 295.4 | 120.4 | 52.1 | 39.1 | 6.0 | 173.3 | 3.4 | 15.1 | 289.0 | 704.8 | *120.4* | *173.3* |
| 1984 | 324.9 | 126.8 | 55.9 | 44.2 | 5.4 | 181.7 | 3.4 | 21.1 | 311.8 | 763.5 | *126.8* | *181.7* |
| 1985 | 342.0 | 137.3 | 58.9 | 39.4 | 6.2 | 189.9 | 1.1 | 21.4 | 316.9 | 796.2 | *137.3* | *189.9* |
| 1986 | 295.9 | 105.1 | 65.1 | 42.6 | 6.2 | 198.8 | 0.3 | 21.5 | 334.5 | 735.5 | *105.2* | *198.8* |
| 1987 | 282.9 | 121.3 | 59.6 | 46.4 | 7.1 | 206.3 | 0.8 | 21.6 | 341.8 | 746.0 | *121.4* | *206.3* |
| 1988 | 309.0 | 128.6 | 60.1 | 47.0 | 6.3 | 211.3 | 0.3 | 22.7 | 347.6 | 785.2 | *128.6* | *211.3* |
| 1989 | 353.1 | 151.5 | 65.3 | 45.3 | 5.9 | 213.5 | 1.0 | 21.6 | 352.6 | 857.2 | *151.5* | *213.5* |
| 1990 | 343.4 | 130.8 | 66.2 | 47.3 | 5.5 | 206.6 | 0.2 | 21.4 | 347.1 | 821.3 | *130.8* | *206.6* |
| 1991 | 347.3 | 128.2 | 59.9 | 53.7 | 6.1 | 213.2 | 1.3 | 20.3 | 354.5 | 830.0 | *128.2* | *213.2* |
| 1992 | 369.7 | 133.8 | 66.6 | 46.4 | 7.6 | 218.3 | 0.7 | 25.6 | 365.1 | 868.7 | *133.8* | *218.3* |
| 1993 | 389.8 | 118.2 | 82.5 | 44.2 | 6.6 | 225.7 | 1.2 | 20.3 | 380.7 | 888.7 | *118.2* | *226.0* |
| 1994 | 402.4 | 139.7 | 80.7 | 41.9 | 6.8 | 235.6 | 1.3 | 22.1 | 388.4 | 930.5 | *139.7* | *236.4* |
| 1995 | 342.9 | 127.9 | 88.1 | 43.0 | 7.0 | R 243.7 | 0.5 | 25.7 | R 408.1 | R 878.9 | *127.9* | *245.9* |
| 1996 | 342.8 | 125.3 | 101.3 | 44.9 | 5.9 | 255.8 | 0.7 | 29.5 | 438.1 | 906.2 | *125.3* | *257.8* |
| 1997 | 369.9 | 137.6 | 104.3 | 45.2 | 4.4 | 252.9 | 0.1 | 32.2 | 439.1 | R 946.6 | *137.6* | *254.8* |
| 1998 | 386.8 | 161.1 | 108.7 | 49.2 | 4.9 | 273.0 | 0.1 | 41.0 | 476.9 | 1,024.8 | *161.1* | *274.5* |
| 1999 | 403.3 | 167.8 | 117.5 | 54.6 | 6.5 | R 284.6 | 0.3 | 39.8 | 503.2 | R 1,074.3 | *167.8* | *285.8* |
| 2000 | 432.8 | 208.1 | 116.1 | 59.2 | 6.0 | R 292.6 | 0.4 | 37.3 | 511.4 | R 1,152.4 | *208.1* | *294.0* |
| 2001 | 424.0 | 244.4 | 125.8 | 56.2 | 6.0 | 302.8 | 1.6 | 23.9 | R 516.2 | 1,184.6 | *244.4* | *304.8* |
| 2002 | 406.5 | 255.2 | 116.1 | 58.6 | 5.5 | 317.7 | 0.2 | 30.2 | 528.3 | R 1,190.1 | *255.2* | *318.9* |
| 2003 | 406.5 | 275.7 | 118.3 | 60.4 | 6.6 | 320.8 | 0.0 | 29.9 | R 536.0 | R 1,218.2 | *275.7* | *321.9* |
| 2004 | 425.4 | 356.3 | 131.1 | 46.8 | 5.7 | 339.2 | 0.3 | 38.7 | 561.7 | 1,343.4 | *356.3* | *340.3* |
| 2005 | 428.4 | 329.3 | 151.0 | 45.5 | 5.0 | R 338.4 | 0.1 | 37.5 | R 577.5 | R 1,335.3 | *329.3* | *352.1* |
| 2006 | 432.0 | 365.2 | 156.3 | 43.8 | 5.6 | R 347.1 | 0.1 | R 34.7 | R 587.7 | R 1,384.9 | *365.2* | *361.6* |
| 2007 | 438.5 | 402.0 | 153.4 | 37.5 | 5.6 | R 349.2 | 0.1 | R 34.2 | R 580.0 | R 1,420.5 | *402.0* | *365.4* |
| 2008 | 458.7 | R 410.0 | R 157.7 | 38.3 | 9.1 | R 323.6 | 0.0 | R 29.8 | R 558.5 | R 1,427.2 | R *410.0* | *343.1* |
| 2009 | 413.3 | 376.7 | 143.4 | 32.3 | 7.3 | 312.4 | 0.0 | 25.5 | 520.8 | 1,310.8 | *376.7* | *331.8* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Arizona (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 32.2 | 4.0 | NA | NA | 4.0 | 0.0 | NA | NA | 36.2 | -15.0 | -0.1 | 283.1 |
| 1965 | 0.0 | 46.4 | 3.7 | NA | NA | 3.7 | 0.0 | NA | NA | 50.1 | 6.4 | -0.1 | 375.4 |
| 1970 | 0.0 | 64.6 | 4.3 | NA | NA | 4.3 | 0.0 | NA | NA | 68.9 | 25.4 | -0.2 | 520.4 |
| 1971 | 0.0 | 69.6 | 4.5 | NA | NA | 4.5 | 0.0 | NA | NA | 74.1 | 24.3 | -0.2 | 554.2 |
| 1972 | 0.0 | 70.4 | 4.8 | NA | NA | 4.8 | 0.0 | NA | NA | 75.2 | R 31.7 | -0.5 | R 616.4 |
| 1973 | 0.0 | 74.8 | 4.6 | NA | NA | 4.6 | 0.0 | NA | NA | 79.3 | R 29.0 | -0.3 | R 670.1 |
| 1974 | 0.0 | 77.3 | 4.8 | NA | NA | 4.8 | 0.0 | NA | NA | 82.1 | R 15.3 | -0.1 | R 676.3 |
| 1975 | 0.0 | 75.5 | 5.4 | NA | NA | 5.4 | 0.0 | NA | NA | 80.9 | R 15.6 | (s) | R 660.0 |
| 1976 | 0.0 | 78.6 | 5.8 | NA | NA | 5.8 | 0.0 | NA | NA | 84.4 | R -20.0 | -0.1 | R 691.9 |
| 1977 | 0.0 | 68.8 | 6.8 | NA | NA | 6.8 | 0.0 | NA | NA | 75.7 | R -44.2 | -0.1 | R 738.9 |
| 1978 | 0.0 | 72.7 | 7.1 | NA | NA | 7.1 | 0.0 | NA | NA | 79.9 | R -35.5 | -0.1 | R 747.9 |
| 1979 | 0.0 | 75.1 | 8.3 | NA | NA | 8.3 | 0.0 | NA | NA | 83.4 | R -69.4 | -0.1 | R 786.4 |
| 1980 | 0.0 | 102.2 | 17.8 | NA | NA | 17.8 | 0.0 | NA | NA | 120.0 | R -85.6 | -0.1 | R 754.5 |
| 1981 | 0.0 | 71.1 | 21.5 | (s) | 0.0 | 21.5 | 0.0 | NA | NA | 92.6 | R -100.7 | (s) | R 787.8 |
| 1982 | 0.0 | 73.3 | 21.6 | (s) | 0.0 | 21.6 | 0.0 | NA | NA | 95.0 | R -105.5 | (s) | R 746.4 |
| 1983 | 0.0 | 152.4 | 23.6 | (s) | 0.0 | 23.6 | 0.0 | NA | 0.0 | 176.0 | R -123.0 | (s) | R 757.8 |
| 1984 | 0.0 | 163.7 | 25.1 | 0.0 | 0.0 | 25.1 | 0.0 | 0.0 | 0.0 | 188.8 | R -149.8 | (s) | R 802.5 |
| 1985 | 12.0 | 146.1 | 25.6 | 0.0 | 0.0 | 25.6 | 0.0 | 0.0 | 0.0 | 171.7 | R -137.0 | 0.0 | R 842.9 |
| 1986 | 105.5 | 151.1 | 24.0 | 0.0 | 0.0 | 24.0 | 0.0 | 0.0 | 0.0 | 175.1 | R -163.3 | (s) | R 852.8 |
| 1987 | 140.5 | 105.6 | 17.5 | 0.0 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | 123.1 | R -144.0 | (s) | R 865.7 |
| 1988 | 243.2 | 80.4 | 18.4 | 0.0 | 0.0 | 18.4 | 0.0 | 0.0 | 0.0 | 98.7 | R -220.9 | (s) | R 906.3 |
| 1989 | 83.1 | 82.2 | 15.6 | 0.0 | 0.0 | 15.6 | 0.2 | 3.5 | 0.0 | 101.6 | R -98.7 | (s) | R 943.1 |
| 1990 | 218.0 | 77.2 | 13.7 | 0.0 | 0.0 | 13.7 | 0.2 | 3.7 | 0.0 | 94.8 | R -185.4 | (s) | R 948.7 |
| 1991 | 263.1 | 70.3 | 14.6 | 0.0 | 0.0 | 14.6 | 0.2 | R 3.7 | 0.0 | R 88.8 | R -224.4 | 0.4 | R 957.9 |
| 1992 | 268.1 | 68.5 | 15.1 | 0.0 | 0.0 | 15.1 | 0.2 | 3.8 | 0.0 | 87.6 | R -240.6 | (s) | R 983.8 |
| 1993 | 231.6 | 69.0 | 13.6 | 0.3 | 0.0 | 13.9 | 0.2 | 3.9 | 0.0 | R 87.0 | R -204.3 | (s) | R 1,003.0 |
| 1994 | 242.2 | 76.0 | 13.5 | 0.7 | 0.0 | 14.2 | 0.2 | R 3.9 | 0.0 | R 94.3 | R -211.9 | (s) | R 1,055.2 |
| 1995 | 283.5 | 85.5 | 14.4 | 2.3 | 0.0 | 16.7 | 0.2 | R 3.9 | 0.0 | R 106.3 | R -183.2 | 1.1 | R 1,086.7 |
| 1996 | 302.9 | 95.3 | 12.8 | 1.9 | 0.0 | R 14.7 | 0.2 | 4.0 | 0.0 | R 114.2 | R -171.9 | (s) | R 1,151.4 |
| 1997 | 307.6 | 123.1 | 14.5 | 1.9 | 0.0 | R 16.4 | 0.2 | R 3.9 | 0.0 | R 143.6 | R -210.9 | 0.4 | R 1,187.3 |
| 1998 | 317.9 | 111.9 | 10.8 | 1.5 | 0.0 | 12.3 | 0.2 | 3.9 | 0.0 | 128.3 | R -226.7 | (s) | R 1,244.3 |
| 1999 | 317.8 | 99.8 | 11.5 | 1.3 | 0.0 | R 12.7 | 0.3 | R 3.7 | 0.0 | R 116.5 | R -219.6 | 0.0 | R 1,289.0 |
| 2000 | 316.8 | 85.2 | 12.2 | 1.5 | 0.0 | 13.6 | 0.3 | R 3.5 | 0.0 | R 102.6 | R -238.6 | 0.2 | R 1,333.4 |
| 2001 | 300.0 | 78.8 | 8.4 | 2.0 | 0.0 | 10.4 | 0.3 | R 3.3 | 0.0 | R 92.7 | R -241.3 | 0.2 | R 1,336.3 |
| 2002 | 322.3 | 75.6 | 8.2 | 1.1 | 0.0 | 9.3 | 0.3 | R 3.1 | 0.0 | R 88.3 | R -252.4 | (s) | R 1,348.2 |
| 2003 | 297.8 | 72.5 | 8.5 | 1.1 | 0.0 | 9.6 | 0.2 | R 3.0 | 0.0 | R 85.3 | R -235.7 | -0.1 | R 1,365.5 |
| 2004 | 293.1 | 69.9 | 8.6 | 1.1 | 0.0 | 9.7 | 0.3 | R 3.0 | 0.0 | R 82.8 | R -287.8 | 0.3 | R 1,431.8 |
| 2005 | 269.3 | 64.1 | R 11.4 | 13.7 | 0.0 | R 25.1 | 0.3 | R 3.0 | 0.0 | R 92.5 | R -218.1 | -0.3 | R 1,478.8 |
| 2006 | 250.6 | 67.4 | R 10.6 | 14.5 | 0.0 | R 25.2 | 0.3 | R 3.2 | 0.0 | R 96.1 | R -200.4 | -0.6 | R 1,530.5 |
| 2007 | 280.8 | 65.2 | R 11.3 | 16.2 | 1.6 | R 29.1 | 0.3 | R 3.5 | 0.0 | R 98.1 | R -228.0 | (s) | R 1,571.4 |
| 2008 | 305.8 | 71.8 | R 13.2 | 19.5 | 3.1 | R 35.8 | 0.4 | R 4.2 | 0.0 | R 112.2 | R -299.2 | -0.9 | R 1,545.1 |
| 2009 | 320.7 | 62.7 | 12.9 | 19.5 | 3.1 | 35.4 | 0.3 | 4.7 | 0.3 | 103.5 | -279.9 | -0.8 | 1,454.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 10 | 82 | 2,785 | 4,721 | 724 | 12,363 | 84 | 1,901 | 22,578 | 0 | – – | – – | – – | – – | 6,138 | – – | – – | – – |
| 1965 | 4 | 118 | 3,526 | 5,545 | 1,056 | 14,997 | 37 | 1,918 | 27,078 | 0 | – – | – – | – – | – – | 8,605 | – – | – – | – – |
| 1970 | 5 | 134 | 4,897 | 6,644 | 1,304 | 21,542 | 86 | 4,615 | 39,088 | 13 | – – | – – | – – | – – | 13,769 | – – | – – | – – |
| 1975 | 133 | 139 | 8,570 | 6,995 | 1,119 | 27,704 | 186 | 3,412 | 47,986 | 14 | – – | – – | – – | – – | 21,168 | – – | – – | – – |
| 1980 | 643 | 116 | 10,333 | 7,967 | 1,589 | 30,589 | 154 | 3,097 | 53,728 | 15 | – – | – – | – – | – – | 26,762 | – – | – – | – – |
| 1985 | 1,916 | 89 | 9,898 | 7,154 | 1,722 | 36,148 | 31 | 3,320 | 58,273 | 15 | – – | – – | – – | – – | 33,001 | – – | – – | – – |
| 1990 | 660 | 102 | 11,170 | 8,501 | 1,508 | 39,326 | 18 | 3,335 | 63,859 | 0 | – – | – – | – – | – – | 41,470 | – – | – – | – – |
| 1995 | 662 | 101 | 15,018 | 7,588 | 1,938 | 47,159 | 69 | 3,985 | 75,756 | 0 | – – | – – | – – | – – | 48,589 | – – | – – | – – |
| 2000 | 720 | 110 | 19,567 | 10,433 | 1,660 | 56,431 | 23 | 6,063 | 94,177 | 0 | – – | – – | – – | – – | 61,130 | – – | – – | – – |
| 2001 | 672 | 112 | 21,156 | 9,914 | 1,650 | 58,506 | 27 | 3,772 | 95,025 | 0 | – – | – – | – – | – – | 62,274 | – – | – – | – – |
| 2002 | 627 | 105 | 19,828 | 10,344 | 1,509 | 61,230 | 29 | 4,729 | 97,669 | 0 | – – | – – | – – | – – | 62,601 | – – | – – | – – |
| 2003 | 681 | 103 | 20,212 | 10,650 | 1,823 | 61,827 | 0 | 4,683 | 99,196 | 0 | – – | – – | – – | – – | 64,080 | – – | – – | – – |
| 2004 | 739 | 109 | 22,426 | 8,256 | 1,575 | 65,248 | 33 | 6,000 | 103,539 | 0 | – – | – – | – – | – – | 66,933 | – – | – – | – – |
| 2005 | 720 | 104 | 25,853 | 8,018 | 1,395 | 67,483 | 21 | 5,822 | 108,591 | 0 | – – | – – | – – | – – | 69,391 | – – | – – | – – |
| 2006 | 741 | 110 | 26,708 | 7,721 | 1,567 | 69,307 | 17 | 5,426 | 110,746 | 0 | – – | – – | – – | – – | 73,253 | – – | – – | – – |
| 2007 | 713 | 113 | 26,245 | 6,612 | 1,569 | 70,010 | 22 | 5,341 | 109,799 | 0 | – – | – – | – – | – – | 77,193 | – – | – – | – – |
| 2008 | 628 | 115 | 26,988 | 6,763 | 2,524 | 65,760 | 0 | 4,661 | 106,696 | 0 | – – | – – | – – | – – | 76,268 | – – | – – | – – |
| 2009 | 431 | 107 | 24,510 | 5,695 | 2,057 | 63,595 | 0 | 3,980 | 99,836 | 0 | – – | – – | – – | – – | 73,433 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.2 | 85.2 | 16.2 | 25.3 | 2.9 | 64.9 | 0.5 | 11.3 | 121.2 | 0.0 | 3.8 | NA | NA | NA | 20.9 | 231.3 | 51.8 | 283.1 |
| 1965 | 0.1 | 126.5 | 20.5 | 30.1 | 4.2 | 78.8 | 0.2 | 11.8 | 145.6 | 0.0 | 3.7 | NA | NA | NA | 29.4 | 305.3 | 70.1 | 375.4 |
| 1970 | 0.1 | 142.0 | 28.5 | 36.4 | 4.9 | 113.2 | 0.5 | 29.6 | 213.1 | 0.1 | 4.3 | NA | NA | NA | 47.0 | 406.7 | 113.7 | 520.4 |
| 1975 | 2.6 | 145.4 | 49.9 | 38.6 | 4.2 | 145.5 | 1.2 | 21.6 | 260.9 | 0.1 | 5.4 | NA | NA | NA | 72.2 | 486.7 | 173.2 | 660.0 |
| 1980 | 13.1 | 121.4 | 60.2 | 43.9 | 5.8 | 160.7 | 1.0 | 19.6 | 291.3 | 0.2 | 17.8 | NA | NA | NA | 91.3 | 535.1 | 219.4 | 754.5 |
| 1985 | 38.8 | 93.1 | 57.7 | 39.4 | 6.2 | 189.9 | 0.2 | 21.4 | 314.8 | 0.2 | 25.6 | 0.0 | NA | NA | 112.6 | 585.0 | 257.9 | 842.9 |
| 1990 | 13.3 | 105.8 | 65.1 | 47.3 | 5.5 | 206.6 | 0.1 | 21.4 | 345.9 | 0.0 | 13.7 | 0.0 | 0.2 | 3.7 | 141.5 | 624.1 | 324.7 | 948.7 |
| 1995 | 13.2 | 105.3 | 87.5 | 43.0 | 7.0 | 245.9 | 0.4 | 25.7 | 409.6 | 0.0 | 14.4 | 0.0 | 0.2 | 3.9 | 165.8 | 712.5 | 374.2 | 1,086.7 |
| 2000 | 16.0 | 110.7 | 114.0 | 59.2 | 6.0 | 294.0 | 0.1 | 37.3 | 510.5 | 0.0 | 12.2 | 0.0 | 0.3 | 3.5 | 208.6 | 861.7 | 471.7 | 1,333.4 |
| 2001 | 14.7 | 112.4 | 123.2 | 56.2 | 6.0 | 304.8 | 0.2 | 23.9 | 514.3 | 0.0 | 8.0 | 0.0 | 0.3 | 3.3 | 212.5 | 865.5 | 470.8 | 1,336.3 |
| 2002 | 14.0 | 107.2 | 115.5 | 58.6 | 5.5 | 318.9 | 0.2 | 30.2 | 528.9 | 0.0 | 7.8 | 0.0 | 0.3 | 3.1 | 213.6 | 874.9 | 473.3 | 1,348.2 |
| 2003 | 15.3 | 104.1 | 117.7 | 60.4 | 6.6 | 321.9 | 0.0 | 29.9 | 536.5 | 0.0 | 8.1 | 0.0 | 0.2 | 3.0 | 218.6 | 885.9 | 479.6 | 1,365.5 |
| 2004 | 16.2 | 111.2 | 130.6 | 46.8 | 5.7 | 340.3 | 0.2 | 38.7 | 562.3 | 0.0 | 8.2 | 0.0 | 0.3 | 2.9 | 228.4 | 929.5 | 502.3 | 1,431.8 |
| 2005 | 16.0 | 106.5 | 150.6 | 45.5 | 5.0 | 352.1 | 0.1 | 37.5 | 590.8 | 0.0 | 10.7 | 0.0 | 0.3 | 2.9 | 236.8 | 963.9 | 514.8 | 1,478.8 |
| 2006 | 16.3 | 112.0 | 155.6 | 43.8 | 5.6 | 361.6 | 0.1 | 34.7 | 601.5 | 0.0 | 10.1 | 0.0 | 0.3 | 3.1 | 249.9 | 993.2 | 537.3 | 1,530.5 |
| 2007 | 15.3 | 115.7 | 152.9 | 37.5 | 5.6 | 365.4 | 0.1 | 34.2 | 595.7 | 0.0 | 11.1 | 1.6 | 0.3 | 3.4 | 263.4 | 1,006.5 | 564.9 | 1,571.4 |
| 2008 | 12.9 | 118.4 | 157.2 | 38.3 | 9.1 | 343.1 | 0.0 | 29.8 | 577.5 | 0.0 | 11.5 | 3.1 | 0.4 | 4.1 | 260.2 | 988.1 | 557.0 | 1,545.1 |
| 2009 | 8.7 | 109.0 | 142.8 | 32.3 | 7.3 | 331.8 | 0.0 | 25.5 | 539.7 | 0.0 | 11.1 | 3.1 | 0.3 | 4.6 | 250.6 | 927.1 | 527.2 | 1,454.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 27 | 47 | 0 | 354 | 402 | 138 | – – | – – | 1,355 | – – | – – | – – |
| 1965 | 0 | 25 | 59 | 9 | 648 | 715 | 129 | – – | – – | 2,230 | – – | – – | – – |
| 1970 | 0 | 30 | 98 | 68 | 749 | 915 | 151 | – – | – – | 4,327 | – – | – – | – – |
| 1975 | 0 | 38 | 216 | 77 | 484 | 777 | 170 | – – | – – | 7,138 | – – | – – | – – |
| 1980 | 0 | 30 | 2 | 0 | 586 | 588 | 438 | – – | – – | 9,637 | – – | – – | – – |
| 1985 | (s) | 29 | 12 | 3 | 853 | 868 | 741 | – – | – – | 12,249 | – – | – – | – – |
| 1990 | (s) | 30 | 9 | (s) | 688 | 698 | 411 | – – | – – | 15,378 | – – | – – | – – |
| 1995 | 1 | 27 | 6 | 2 | 866 | 874 | 411 | – – | – – | 18,036 | – – | – – | – – |
| 1996 | (s) | 28 | 10 | 3 | 699 | 712 | 426 | – – | – – | 19,746 | – – | – – | – – |
| 1997 | (s) | 31 | 7 | 2 | 642 | 651 | 485 | – – | – – | 20,683 | – – | – – | – – |
| 1998 | (s) | 36 | 4 | 3 | 917 | 924 | 431 | – – | – – | 21,611 | – – | – – | – – |
| 1999 | (s) | 33 | 4 | 2 | 1,269 | 1,275 | 453 | – – | – – | 22,517 | – – | – – | – – |
| 2000 | (s) | 35 | 4 | 1 | 1,115 | 1,120 | 487 | – – | – – | 24,844 | – – | – – | – – |
| 2001 | (s) | 36 | 7 | 1 | 1,053 | 1,060 | 284 | – – | – – | 26,200 | – – | – – | – – |
| 2002 | (s) | 35 | 9 | 1 | 1,070 | 1,080 | 288 | – – | – – | 26,413 | – – | – – | – – |
| 2003 | (s) | 36 | 9 | 2 | 851 | 863 | 303 | – – | – – | 27,742 | – – | – – | – – |
| 2004 | (s) | 38 | 5 | 1 | 739 | 745 | 311 | – – | – – | 28,921 | – – | – – | – – |
| 2005 | (s) | 36 | 3 | 4 | 770 | 778 | R 417 | – – | – – | 30,544 | – – | – – | – – |
| 2006 | (s) | 36 | 3 | 2 | 836 | 841 | R 380 | – – | – – | 32,367 | – – | – – | – – |
| 2007 | (s) | 38 | 2 | (s) | 783 | 786 | R 419 | – – | – – | 34,437 | – – | – – | – – |
| 2008 | 0 | 38 | 2 | (s) | 1,346 | 1,349 | R 438 | – – | – – | 33,236 | – – | – – | – – |
| 2009 | 0 | 35 | 3 | (s) | 1,270 | 1,274 | 419 | – – | – – | 32,847 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.0 | 28.4 | 0.3 | 0.0 | 1.4 | 1.7 | 2.8 | NA | NA | 4.6 | 37.5 | 11.4 | 48.9 |
| 1965 | 0.0 | 27.1 | 0.3 | (s) | 2.6 | 3.0 | 2.6 | NA | NA | 7.6 | 40.3 | 18.2 | R 58.4 |
| 1970 | 0.0 | 31.4 | 0.6 | 0.4 | 2.8 | 3.8 | 3.0 | NA | NA | 14.8 | 53.0 | 35.7 | 88.7 |
| 1975 | 0.0 | 39.8 | 1.3 | 0.4 | 1.8 | 3.5 | 3.4 | NA | NA | 24.4 | 71.1 | R 58.4 | R 129.5 |
| 1980 | 0.0 | 30.9 | (s) | 0.0 | 2.2 | 2.2 | 8.8 | NA | NA | 32.9 | 74.7 | R 79.0 | R 153.7 |
| 1985 | (s) | 29.9 | 0.1 | (s) | 3.1 | 3.2 | 14.8 | NA | NA | 41.8 | 89.7 | R 95.7 | R 185.4 |
| 1990 | (s) | 31.3 | 0.1 | (s) | 2.5 | 2.6 | 8.2 | (s) | 3.7 | 52.5 | R 98.2 | R 120.4 | R 218.6 |
| 1995 | (s) | 27.9 | (s) | (s) | 3.1 | 3.2 | 8.2 | (s) | R 3.9 | 61.5 | 104.8 | R 138.9 | R 243.7 |
| 1996 | (s) | 28.0 | 0.1 | (s) | 2.5 | 2.6 | 8.5 | (s) | 4.0 | 67.4 | 110.5 | R 152.3 | R 262.7 |
| 1997 | (s) | 31.8 | (s) | (s) | 2.3 | 2.4 | 9.7 | (s) | R 3.9 | 70.6 | R 118.3 | R 158.9 | R 277.2 |
| 1998 | (s) | 36.7 | (s) | (s) | 3.3 | 3.4 | 8.6 | (s) | 3.9 | 73.7 | 126.3 | R 166.2 | R 292.4 |
| 1999 | (s) | 33.5 | (s) | (s) | 4.6 | 4.6 | 9.1 | (s) | R 3.7 | 76.8 | R 127.7 | R 174.7 | R 302.4 |
| 2000 | (s) | 35.1 | (s) | (s) | 4.0 | 4.1 | 9.7 | (s) | R 3.5 | 84.8 | 137.2 | R 191.7 | R 328.9 |
| 2001 | (s) | 36.5 | (s) | (s) | 3.8 | 3.8 | 5.7 | (s) | R 3.3 | 89.4 | R 138.7 | R 198.1 | R 336.8 |
| 2002 | (s) | 35.9 | 0.1 | (s) | 3.9 | 3.9 | 5.8 | (s) | R 3.1 | 90.1 | 138.9 | R 199.7 | R 338.6 |
| 2003 | (s) | 36.3 | 0.1 | (s) | 3.1 | 3.2 | 6.1 | (s) | R 3.0 | 94.7 | R 143.2 | R 207.6 | R 350.8 |
| 2004 | (s) | 38.9 | (s) | (s) | 2.7 | 2.7 | 6.2 | (s) | R 2.9 | 98.7 | R 149.4 | R 217.0 | R 366.5 |
| 2005 | (s) | 36.6 | (s) | (s) | 2.8 | 2.8 | R 8.3 | (s) | R 2.9 | 104.2 | R 154.9 | R 226.6 | R 381.5 |
| 2006 | (s) | 36.7 | (s) | (s) | 3.0 | 3.0 | R 7.6 | (s) | R 3.1 | 110.4 | R 160.9 | R 237.4 | R 398.4 |
| 2007 | (s) | 39.3 | (s) | (s) | 2.8 | 2.8 | R 8.4 | (s) | R 3.4 | 117.5 | R 171.4 | R 252.0 | R 423.5 |
| 2008 | 0.0 | 39.5 | (s) | (s) | 4.8 | 4.9 | R 8.8 | (s) | R 4.1 | 113.4 | R 170.6 | R 242.7 | R 413.3 |
| 2009 | 0.0 | 35.4 | (s) | (s) | 4.5 | 4.5 | 8.4 | (s) | 4.6 | 112.1 | 165.0 | 235.8 | 400.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 25 | 106 | 0 | 113 | 89 | 39 | 348 | NA | – – | – – | 3,302 | – – | – – | – – |
| 1965 | 0 | 19 | 131 | 2 | 207 | 137 | 17 | 494 | NA | – – | – – | 3,044 | – – | – – | – – |
| 1970 | 0 | 23 | 220 | 12 | 239 | 146 | 31 | 648 | NA | – – | – – | 4,690 | – – | – – | – – |
| 1975 | 0 | 33 | 485 | 14 | 154 | 177 | 83 | 913 | NA | – – | – – | 7,162 | – – | – – | – – |
| 1980 | 0 | 27 | 280 | 0 | 187 | 179 | 0 | 647 | NA | – – | – – | 9,122 | – – | – – | – – |
| 1985 | 1 | 25 | 463 | 2 | 272 | 140 | (s) | 877 | NA | – – | – – | 12,295 | – – | – – | – – |
| 1990 | (s) | 28 | 456 | 2 | 220 | 257 | 0 | 935 | 0 | – – | – – | 16,058 | – – | – – | – – |
| 1995 | 4 | 28 | 354 | 1 | 276 | 35 | 0 | 667 | 0 | – – | – – | 18,562 | – – | – – | – – |
| 1996 | (s) | 29 | 592 | 2 | 223 | 35 | 5 | 857 | 0 | – – | – – | 19,555 | – – | – – | – – |
| 1997 | (s) | 30 | 655 | 4 | 205 | 35 | 0 | 899 | 0 | – – | – – | 20,520 | – – | – – | – – |
| 1998 | (s) | 32 | 1,122 | 1 | 293 | 36 | 0 | 1,452 | 0 | – – | – – | 21,683 | – – | – – | – – |
| 1999 | (s) | 31 | 945 | 5 | 405 | 36 | 0 | 1,391 | 0 | – – | – – | 22,688 | – – | – – | – – |
| 2000 | (s) | 32 | 867 | 3 | 356 | 37 | 0 | 1,263 | 0 | – – | – – | 24,311 | – – | – – | – – |
| 2001 | 1 | 31 | 766 | 3 | 336 | 40 | 0 | 1,145 | 0 | – – | – – | 24,697 | – – | – – | – – |
| 2002 | 1 | 32 | 832 | 2 | 342 | 41 | 0 | 1,216 | 0 | – – | – – | 25,162 | – – | – – | – – |
| 2003 | 1 | 32 | 476 | 1 | 360 | 40 | 0 | 878 | 0 | – – | – – | 25,425 | – – | – – | – – |
| 2004 | 1 | 33 | 346 | 2 | 278 | 40 | 0 | 666 | 0 | – – | – – | 26,106 | – – | – – | – – |
| 2005 | 1 | 32 | 473 | 2 | 229 | 40 | 0 | 744 | 0 | – – | – – | 27,468 | – – | – – | – – |
| 2006 | 1 | 33 | 458 | 2 | 206 | 43 | 0 | 711 | 0 | – – | – – | 28,626 | – – | – – | – – |
| 2007 | 1 | 33 | 641 | 2 | 212 | 45 | 0 | 900 | 0 | – – | – – | 30,475 | – – | – – | – – |
| 2008 | 0 | 33 | R 1,241 | (s) | 428 | 45 | 0 | R 1,714 | 0 | – – | – – | 30,162 | – – | – – | – – |
| 2009 | 0 | 32 | 899 | 1 | 215 | 113 | 0 | 1,228 | 0 | – – | – – | 29,386 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 26.2 | 0.6 | 0.0 | 0.5 | 0.5 | 0.2 | 1.8 | NA | 0.1 | NA | 11.3 | 39.3 | 27.9 | 67.1 |
| 1965 | 0.0 | 20.7 | 0.8 | (s) | 0.8 | 0.7 | 0.1 | 2.4 | NA | (s) | NA | 10.4 | 33.6 | 24.8 | 58.4 |
| 1970 | 0.0 | 24.0 | 1.3 | 0.1 | 0.9 | 0.8 | 0.2 | 3.2 | NA | 0.1 | NA | 16.0 | 43.3 | 38.7 | R 82.0 |
| 1975 | 0.0 | 34.3 | 2.8 | 0.1 | 0.6 | 0.9 | 0.5 | 4.9 | NA | 0.1 | NA | 24.4 | 63.7 | R 58.6 | R 122.3 |
| 1980 | 0.0 | 28.7 | 1.6 | 0.0 | 0.7 | 0.9 | 0.0 | 3.3 | NA | 0.2 | NA | 31.1 | 63.3 | R 74.8 | R 138.1 |
| 1985 | (s) | 26.5 | 2.7 | (s) | 1.0 | 0.7 | (s) | 4.4 | NA | 0.4 | NA | 41.9 | 73.3 | R 96.1 | R 169.3 |
| 1990 | (s) | 29.3 | 2.7 | (s) | 0.8 | 1.3 | 0.0 | 4.8 | 0.0 | 0.9 | (s) | 54.8 | 89.8 | R 125.7 | R 215.5 |
| 1995 | 0.1 | 29.3 | 2.1 | (s) | 1.0 | 0.2 | 0.0 | 3.3 | 0.0 | 1.1 | (s) | 63.3 | 97.1 | R 143.0 | R 240.1 |
| 1996 | (s) | 29.3 | 3.4 | (s) | 0.8 | 0.2 | (s) | 4.5 | 0.0 | 1.2 | (s) | 66.7 | 101.7 | R 150.8 | R 252.4 |
| 1997 | (s) | 30.8 | 3.8 | (s) | 0.7 | 0.2 | 0.0 | 4.8 | 0.0 | 1.6 | (s) | 70.0 | 107.2 | R 157.6 | R 264.8 |
| 1998 | (s) | 32.3 | 6.5 | (s) | 1.1 | 0.2 | 0.0 | 7.8 | 0.0 | 1.4 | (s) | 74.0 | 115.5 | R 166.7 | R 282.2 |
| 1999 | (s) | 31.8 | 5.5 | (s) | 1.5 | 0.2 | 0.0 | 7.2 | 0.0 | 1.6 | (s) | 77.4 | 118.0 | R 176.0 | R 294.0 |
| 2000 | (s) | 32.5 | 5.1 | (s) | 1.3 | 0.2 | 0.0 | 6.5 | 0.0 | 1.7 | (s) | 82.9 | 123.7 | R 187.6 | R 311.3 |
| 2001 | (s) | 31.3 | 4.5 | (s) | 1.2 | 0.2 | 0.0 | 5.9 | 0.0 | 1.1 | (s) | 84.3 | 122.6 | R 186.7 | R 309.3 |
| 2002 | (s) | 32.3 | 4.8 | (s) | 1.2 | 0.2 | 0.0 | 6.3 | 0.0 | 1.1 | 0.1 | 85.9 | 125.5 | R 190.3 | R 315.8 |
| 2003 | (s) | 32.7 | 2.8 | (s) | 1.3 | 0.2 | 0.0 | 4.3 | 0.0 | 1.1 | 0.1 | 86.7 | 124.9 | R 190.3 | R 315.2 |
| 2004 | (s) | 33.7 | 2.0 | (s) | 1.0 | 0.2 | 0.0 | 3.2 | 0.0 | 1.0 | 0.1 | 89.1 | 127.2 | R 195.9 | R 323.1 |
| 2005 | (s) | 32.6 | 2.8 | (s) | 0.8 | 0.2 | 0.0 | 3.8 | 0.0 | R 1.4 | 0.1 | 93.7 | R 131.6 | R 203.8 | R 335.4 |
| 2006 | (s) | 33.4 | 2.7 | (s) | 0.7 | 0.2 | 0.0 | 3.7 | 0.0 | R 1.3 | 0.1 | 97.7 | R 136.1 | R 210.0 | R 346.1 |
| 2007 | (s) | 33.5 | 3.7 | (s) | 0.8 | 0.2 | 0.0 | 4.7 | 0.0 | R 1.4 | (s) | 104.0 | R 143.7 | R 223.0 | R 366.7 |
| 2008 | 0.0 | 33.4 | 7.2 | (s) | 1.5 | 0.2 | 0.0 | R 9.0 | 0.0 | R 1.5 | (s) | 102.9 | R 146.8 | R 220.3 | R 367.1 |
| 2009 | 0.0 | 32.8 | 5.2 | (s) | 0.8 | 0.6 | 0.0 | 6.6 | 0.0 | 1.4 | (s) | 100.3 | 141.1 | 211.0 | 352.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 10 | 14 | 1,227 | 222 | 515 | 27 | 1,008 | 3,000 | 0 | – – | – – | – – | 1,481 | – – | – – | – – |
| 1965 | 4 | 55 | 1,545 | 161 | 437 | 20 | 1,224 | 3,387 | 0 | – – | – – | – – | 3,331 | – – | – – | – – |
| 1970 | 5 | 58 | 1,387 | 253 | 456 | 55 | 3,879 | 6,031 | 13 | – – | – – | – – | 4,751 | – – | – – | – – |
| 1975 | 133 | 51 | 3,113 | 430 | 440 | 102 | 2,696 | 6,781 | 14 | – – | – – | – – | 6,868 | – – | – – | – – |
| 1980 | 643 | 38 | 3,570 | 739 | 309 | 154 | 2,469 | 7,241 | 15 | – – | – – | – – | 8,003 | – – | – – | – – |
| 1985 | 1,915 | 17 | 1,799 | 505 | 404 | 31 | 2,815 | 5,554 | 15 | – – | – – | – – | 8,457 | – – | – – | – – |
| 1990 | 660 | 18 | 2,768 | 545 | 503 | 18 | 2,783 | 6,617 | 0 | – – | – – | – – | 10,034 | – – | – – | – – |
| 1995 | 657 | 28 | 3,590 | 745 | 410 | 69 | 3,504 | 8,317 | 0 | – – | – – | – – | 11,992 | – – | – – | – – |
| 1996 | 675 | 27 | 4,066 | 667 | 437 | 80 | 4,371 | 9,621 | 0 | – – | – – | – – | 12,783 | – – | – – | – – |
| 1997 | 702 | 28 | 4,229 | 331 | 457 | 14 | 4,769 | 9,801 | 0 | – – | – – | – – | 13,253 | – – | – – | – – |
| 1998 | 698 | 28 | 3,620 | 128 | 473 | 20 | 6,062 | 10,302 | 0 | – – | – – | – – | 12,549 | – – | – – | – – |
| 1999 | 684 | 27 | 4,157 | 116 | 334 | 27 | 5,905 | 10,540 | 0 | – – | – – | – – | 12,456 | – – | – – | – – |
| 2000 | 720 | 21 | 4,222 | 167 | 339 | 23 | 5,493 | 10,243 | 0 | – – | – – | – – | 11,975 | – – | – – | – – |
| 2001 | 672 | 21 | 4,338 | 249 | 913 | 27 | 3,245 | 8,771 | 0 | – – | – – | – – | 11,377 | – – | – – | – – |
| 2002 | 626 | 17 | 3,750 | 79 | 911 | 29 | 4,215 | 8,984 | 0 | – – | – – | – – | 11,026 | – – | – – | – – |
| 2003 | 681 | 15 | 2,957 | 478 | 988 | 0 | 4,143 | 8,566 | 0 | – – | – – | – – | 10,914 | – – | – – | – – |
| 2004 | 738 | 21 | 3,141 | 436 | 1,202 | 33 | 5,527 | 10,338 | 0 | – – | – – | – – | 11,906 | – – | – – | – – |
| 2005 | 719 | 17 | 4,921 | 193 | 1,048 | 21 | 5,323 | 11,506 | 0 | – – | – – | – – | 11,379 | – – | – – | – – |
| 2006 | 740 | 18 | 4,542 | 292 | 1,220 | 17 | R 4,948 | R 11,020 | 0 | – – | – – | – – | 12,259 | – – | – – | – – |
| 2007 | 712 | 19 | 4,300 | 392 | 1,075 | 22 | R 4,886 | R 10,675 | 0 | – – | – – | – – | 12,281 | – – | – – | – – |
| 2008 | 628 | 20 | R 5,885 | R 481 | 1,049 | 0 | R 4,219 | R 11,634 | 0 | – – | – – | – – | 12,869 | – – | – – | – – |
| 2009 | 431 | 18 | 4,749 | 369 | 1,000 | 0 | 3,595 | 9,713 | 0 | – – | – – | – – | 11,200 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 14.2 | 7.1 | 0.9 | 2.7 | 0.2 | 6.6 | 17.5 | 0.0 | 1.0 | NA | NA | 5.1 | 37.9 | 12.5 | 50.4 |
| 1965 | 0.1 | 59.4 | 9.0 | 0.6 | 2.3 | 0.1 | 8.1 | 20.1 | 0.0 | 1.1 | NA | NA | 11.4 | 92.0 | 27.1 | 119.1 |
| 1970 | 0.1 | 61.2 | 8.1 | 1.0 | 2.4 | 0.3 | 25.6 | 37.4 | 0.1 | 1.3 | NA | NA | 16.2 | 116.3 | 39.2 | 155.5 |
| 1975 | 2.6 | 53.4 | 18.1 | 1.6 | 2.3 | 0.6 | 17.6 | 40.3 | 0.1 | 1.9 | NA | NA | 23.4 | 121.9 | R 56.2 | R 178.1 |
| 1980 | 13.1 | 39.5 | 20.8 | 2.7 | 1.6 | 1.0 | 16.1 | 42.2 | 0.2 | 8.9 | NA | NA | 27.3 | 131.2 | R 65.6 | R 196.8 |
| 1985 | 38.8 | 17.3 | 10.5 | 1.8 | 2.1 | 0.2 | 18.5 | 33.1 | 0.2 | 10.4 | 0.0 | NA | 28.9 | 128.6 | R 66.1 | R 194.7 |
| 1990 | 13.3 | 19.0 | 16.1 | 2.0 | 2.6 | 0.1 | 18.2 | 39.1 | 0.0 | 4.6 | 0.0 | 0.2 | 34.2 | 110.5 | R 78.6 | R 189.0 |
| 1995 | 13.1 | 28.8 | 20.9 | 2.7 | 2.1 | 0.4 | 23.0 | 49.1 | 0.0 | 5.0 | 0.0 | 0.2 | 40.9 | 137.2 | R 92.4 | R 229.6 |
| 1996 | 13.4 | 27.3 | 23.7 | 2.4 | 2.3 | 0.5 | 26.7 | 55.6 | 0.0 | 3.1 | 0.0 | 0.2 | 43.6 | 143.2 | R 98.6 | R 241.8 |
| 1997 | 13.7 | 28.6 | 24.6 | 1.2 | 2.4 | 0.1 | 29.3 | 57.6 | 0.0 | 3.2 | 0.0 | 0.2 | 45.2 | 148.5 | R 101.8 | R 250.3 |
| 1998 | 13.4 | 28.7 | 21.1 | 0.5 | 2.5 | 0.1 | 37.8 | 62.0 | 0.0 | 0.8 | 0.0 | 0.2 | 42.8 | 147.9 | R 96.5 | R 244.4 |
| 1999 | 13.2 | 27.5 | 24.2 | 0.4 | 1.7 | 0.2 | 36.7 | 63.3 | 0.0 | 0.8 | 0.0 | 0.2 | 42.5 | 147.5 | R 96.6 | R 244.1 |
| 2000 | 16.0 | 21.5 | 24.6 | 0.6 | 1.8 | 0.1 | 34.0 | 61.1 | 0.0 | 0.7 | 0.0 | 0.2 | 40.9 | 140.4 | R 92.4 | R 232.8 |
| 2001 | 14.7 | 21.4 | 25.3 | 0.9 | 4.8 | 0.2 | 20.9 | 52.0 | 0.0 | 1.3 | 0.0 | 0.2 | 38.8 | 128.4 | R 86.0 | R 214.4 |
| 2002 | 14.0 | 17.5 | 21.8 | 0.3 | 4.7 | 0.2 | 27.3 | 54.3 | 0.0 | 0.9 | 0.0 | 0.2 | 37.6 | 124.6 | R 83.4 | R 208.0 |
| 2003 | 15.2 | 15.5 | 17.2 | 1.7 | 5.1 | 0.0 | 26.8 | 50.9 | 0.0 | 0.9 | 0.0 | 0.2 | 37.2 | 120.0 | R 81.7 | R 201.7 |
| 2004 | 16.2 | 21.1 | 18.3 | 1.6 | 6.3 | 0.2 | 36.0 | 62.3 | 0.0 | 1.0 | 0.0 | 0.2 | 40.6 | 141.4 | R 89.4 | R 230.7 |
| 2005 | 15.9 | 17.4 | 28.7 | 0.7 | 5.5 | 0.1 | 34.6 | 69.6 | 0.0 | 1.0 | 0.0 | 0.2 | 38.8 | 143.0 | R 84.4 | R 227.4 |
| 2006 | 16.3 | 18.8 | 26.5 | 1.1 | 6.4 | 0.1 | R 32.0 | R 66.0 | 0.0 | 1.2 | 0.0 | 0.2 | 41.8 | R 144.4 | R 89.9 | R 234.3 |
| 2007 | 15.3 | 19.9 | 25.0 | 1.4 | 5.6 | 0.1 | R 31.6 | R 63.8 | 0.0 | 1.3 | 1.6 | 0.2 | 41.9 | R 144.0 | R 89.9 | R 233.9 |
| 2008 | 12.9 | 20.7 | R 34.3 | 1.7 | 5.5 | 0.0 | R 27.2 | R 68.7 | 0.0 | 1.3 | 3.1 | 0.3 | 43.9 | R 151.0 | R 94.0 | R 245.0 |
| 2009 | 8.7 | 18.3 | 27.7 | 1.3 | 5.2 | 0.0 | 23.3 | 57.4 | 0.0 | 1.3 | 3.1 | 0.2 | 38.2 | 127.3 | 80.4 | 207.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | 16 | 699 | 1,404 | 4,721 | 34 | 193 | 11,759 | 17 | 18,829 | 0 | – – | – – | – – |
| 1965 | (s) | 18 | 478 | 1,790 | 5,545 | 40 | 206 | 14,423 | 0 | 22,482 | 0 | – – | – – | – – |
| 1970 | (s) | 24 | 427 | 3,192 | 6,644 | 63 | 229 | 20,940 | 0 | 31,494 | 0 | – – | – – | – – |
| 1975 | (s) | 17 | 358 | 4,756 | 6,995 | 51 | 267 | 27,087 | 0 | 39,514 | 0 | – – | – – | – – |
| 1980 | 0 | 21 | 281 | 6,480 | 7,967 | 78 | 347 | 30,100 | 0 | 45,253 | 0 | – – | – – | – – |
| 1985 | 0 | 19 | 184 | 7,624 | 7,154 | 92 | 316 | 35,604 | 0 | 50,974 | 0 | – – | – – | – – |
| 1990 | 0 | 25 | 194 | 7,936 | 8,501 | 55 | 355 | 38,566 | 0 | 55,608 | 0 | – – | – – | – – |
| 1995 | 0 | 19 | 139 | 11,068 | 7,588 | 51 | 339 | 46,714 | 0 | 65,899 | 0 | – – | – – | – – |
| 1996 | 0 | 18 | 155 | 12,618 | 7,922 | 35 | 329 | 48,944 | 0 | 70,003 | 0 | – – | – – | – – |
| 1997 | 0 | 19 | 151 | 12,909 | 7,978 | 26 | 347 | 48,391 | 0 | 69,803 | 0 | – – | – – | – – |
| 1998 | 0 | 20 | 191 | 13,805 | 8,677 | 7 | 364 | 52,152 | 0 | 75,196 | 0 | – – | – – | – – |
| 1999 | 0 | 19 | 157 | 14,987 | 9,627 | 18 | 368 | 54,484 | 0 | 79,642 | 0 | – – | – – | – – |
| 2000 | 0 | 21 | 204 | 14,474 | 10,433 | 23 | 362 | 56,056 | 0 | 81,551 | 0 | – – | – – | – – |
| 2001 | 0 | 23 | 191 | 16,045 | 9,914 | 12 | 332 | 57,554 | 0 | 84,047 | 0 | – – | – – | – – |
| 2002 | 0 | 21 | 183 | 15,237 | 10,344 | 18 | 328 | 60,279 | 0 | 86,389 | 0 | – – | – – | – – |
| 2003 | 0 | 19 | 233 | 16,770 | 10,650 | 134 | 303 | 60,799 | 0 | 88,889 | 0 | – – | – – | – – |
| 2004 | 0 | 17 | 164 | 18,934 | 8,256 | 122 | 307 | 64,007 | 0 | 91,789 | 0 | – – | – – | – – |
| 2005 | 0 | 19 | 188 | 20,456 | 8,018 | 203 | 305 | 66,394 | 0 | 95,564 | 0 | – – | – – | – – |
| 2006 | 0 | 23 | 177 | 21,703 | 7,721 | 233 | 298 | 68,043 | 0 | 98,175 | 0 | – – | – – | – – |
| 2007 | 0 | 22 | 145 | 21,303 | 6,612 | 181 | 307 | 68,890 | 0 | 97,439 | 0 | – – | – – | – – |
| 2008 | 0 | R 24 | 156 | R 19,859 | 6,763 | R 269 | 285 | 64,665 | 0 | R 91,999 | 0 | – – | – – | – – |
| 2009 | 0 | 22 | 127 | 18,859 | 5,695 | 203 | 256 | 62,482 | 0 | 87,621 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 16.5 | 3.5 | 8.2 | 25.3 | 0.1 | 1.2 | 61.8 | 0.1 | 100.2 | 0.0 | 116.7 | 0.0 | 116.7 |
| 1965 | (s) | 19.4 | 2.4 | 10.4 | 30.1 | 0.2 | 1.2 | 75.8 | 0.0 | 120.1 | 0.0 | 139.4 | 0.0 | 139.4 |
| 1970 | (s) | 25.4 | 2.2 | 18.6 | 36.4 | 0.2 | 1.4 | 110.0 | 0.0 | 168.8 | 0.0 | 194.1 | 0.0 | 194.1 |
| 1975 | (s) | 17.9 | 1.8 | 27.7 | 38.6 | 0.2 | 1.6 | 142.3 | 0.0 | 212.2 | 0.0 | 230.1 | 0.0 | 230.1 |
| 1980 | 0.0 | 22.3 | 1.4 | 37.7 | 43.9 | 0.3 | 2.1 | 158.1 | 0.0 | 243.6 | 0.0 | 265.9 | 0.0 | 265.9 |
| 1985 | 0.0 | 19.4 | 0.9 | 44.4 | 39.4 | 0.3 | 1.9 | 187.0 | 0.0 | 274.0 | 0.0 | 293.4 | 0.0 | 293.4 |
| 1990 | 0.0 | 26.1 | 1.0 | 46.2 | 47.3 | 0.2 | 2.2 | 202.6 | 0.0 | 299.5 | 0.0 | 325.6 | 0.0 | 325.6 |
| 1995 | 0.0 | 19.3 | 0.7 | 64.5 | 43.0 | 0.2 | 2.1 | 243.6 | 0.0 | 354.0 | 0.0 | 373.4 | 0.0 | 373.4 |
| 1996 | 0.0 | 17.8 | 0.8 | 73.5 | 44.9 | 0.1 | 2.0 | 255.3 | 0.0 | 376.6 | 0.0 | 394.4 | 0.0 | 394.4 |
| 1997 | 0.0 | 19.4 | 0.8 | 75.2 | 45.2 | 0.1 | 2.1 | 252.3 | 0.0 | 375.7 | 0.0 | 395.1 | 0.0 | 395.1 |
| 1998 | 0.0 | 20.5 | 1.0 | 80.4 | 49.2 | (s) | 2.2 | 271.8 | 0.0 | 404.6 | 0.0 | 425.2 | 0.0 | 425.2 |
| 1999 | 0.0 | 19.6 | 0.8 | 87.3 | 54.6 | 0.1 | 2.2 | 283.9 | 0.0 | 428.9 | 0.0 | 448.5 | 0.0 | 448.5 |
| 2000 | 0.0 | 21.7 | 1.0 | 84.3 | 59.2 | 0.1 | 2.2 | 292.1 | 0.0 | 438.8 | 0.0 | 460.5 | 0.0 | 460.5 |
| 2001 | 0.0 | 23.2 | 1.0 | 93.5 | 56.2 | (s) | 2.0 | 299.9 | 0.0 | 452.5 | 0.0 | 475.8 | 0.0 | 475.8 |
| 2002 | 0.0 | 21.5 | 0.9 | 88.8 | 58.6 | 0.1 | 2.0 | 313.9 | 0.0 | 464.3 | 0.0 | 485.8 | 0.0 | 485.8 |
| 2003 | 0.0 | 19.6 | 1.2 | 97.7 | 60.4 | 0.5 | 1.8 | 316.6 | 0.0 | 478.2 | 0.0 | 497.8 | 0.0 | 497.8 |
| 2004 | 0.0 | 17.5 | 0.8 | 110.3 | 46.8 | 0.4 | 1.9 | 333.8 | 0.0 | 494.0 | 0.0 | 511.5 | 0.0 | 511.5 |
| 2005 | 0.0 | 19.9 | 0.9 | 119.2 | 45.5 | 0.7 | 1.9 | 346.4 | 0.0 | 514.6 | 0.0 | 534.5 | 0.0 | 534.5 |
| 2006 | 0.0 | 23.0 | 0.9 | 126.4 | 43.8 | 0.8 | 1.8 | 355.1 | 0.0 | 528.8 | 0.0 | 551.8 | 0.0 | 551.8 |
| 2007 | 0.0 | 23.0 | 0.7 | 124.1 | 37.5 | 0.7 | 1.9 | 359.5 | 0.0 | 524.4 | 0.0 | 547.3 | 0.0 | 547.3 |
| 2008 | 0.0 | R 24.8 | 0.8 | R 115.7 | 38.3 | 1.0 | 1.7 | 337.4 | 0.0 | R 494.9 | 0.0 | R 519.8 | 0.0 | R 519.8 |
| 2009 | 0.0 | 22.5 | 0.6 | 109.9 | 32.3 | 0.7 | 1.6 | 326.0 | 0.0 | 471.1 | 0.0 | 493.6 | 0.0 | 493.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Arizona

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 53 | 41 | 3 | 0 | 44 | 0 | 2,990 | – – | 0 | NA | NA | -15 | – – |
| 1965 | 333 | 37 | 44 | 3 | 0 | 47 | 0 | 4,439 | – – | 0 | NA | NA | -29 | – – |
| 1970 | 401 | 59 | 19 | 1 | 0 | 20 | 0 | 6,141 | – – | 0 | NA | NA | -51 | – – |
| 1975 | 4,259 | 18 | 5,756 | 1,653 | 0 | 7,410 | 0 | 7,240 | – – | 0 | NA | NA | -14 | – – |
| 1980 | 10,916 | 50 | 1,185 | 436 | 0 | 1,622 | 0 | 9,820 | – – | 0 | NA | NA | -41 | – – |
| 1985 | 14,448 | 42 | 145 | 211 | 0 | 357 | 1,130 | 13,972 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 15,758 | 24 | 10 | 200 | 0 | 210 | 20,598 | 7,418 | – – | 0 | 0 | 0 | -2 | – – |
| 1995 | 16,021 | 22 | 12 | 107 | 0 | 119 | 26,985 | 8,288 | – – | 0 | 0 | 0 | 336 | – – |
| 1996 | 16,118 | 23 | 23 | 101 | 0 | 124 | 28,840 | 9,214 | – – | 0 | 0 | 0 | -3 | – – |
| 1997 | 17,504 | 27 | (s) | 110 | 0 | 110 | 29,314 | 12,049 | – – | 0 | 0 | 0 | 115 | – – |
| 1998 | 18,316 | 42 | 0 | 117 | 0 | 117 | 30,301 | 10,970 | – – | 0 | 0 | 0 | 4 | – – |
| 1999 | 19,025 | 55 | 12 | 75 | 0 | 88 | 30,416 | 9,759 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 20,408 | 96 | 46 | 357 | 0 | 402 | 30,381 | 8,354 | – – | 0 | 0 | 0 | 47 | – – |
| 2001 | 20,158 | 129 | 225 | 435 | 0 | 660 | 28,724 | 7,624 | – – | 0 | (s) | 0 | 55 | – – |
| 2002 | 19,328 | 145 | 0 | 100 | 0 | 100 | 30,862 | 7,427 | – – | 0 | (s) | 0 | 14 | – – |
| 2003 | 19,378 | 170 | 0 | 96 | 0 | 96 | 28,581 | 7,075 | – – | 0 | (s) | 0 | -16 | – – |
| 2004 | 20,060 | 240 | 7 | 83 | 0 | 90 | 28,113 | 6,973 | – – | 0 | 4 | 0 | 78 | – – |
| 2005 | 20,333 | 217 | 1 | 78 | 0 | 78 | 25,807 | 6,410 | – – | 0 | 14 | 0 | -76 | – – |
| 2006 | 20,506 | 248 | 1 | 131 | 0 | 132 | 24,012 | 6,793 | – – | 0 | 13 | 0 | -182 | – – |
| 2007 | 21,189 | 280 | 0 | 85 | 0 | 85 | 26,782 | 6,598 | – – | 0 | 9 | 0 | 3 | – – |
| 2008 | 22,658 | 284 | 0 | 89 | 0 | 89 | 29,250 | 7,286 | – – | 0 | 15 | 0 | -263 | – – |
| 2009 | 20,762 | 262 | 0 | 104 | 0 | 104 | 30,662 | 6,427 | – – | 0 | 14 | 30 | -231 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 55.1 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 32.2 | 0.2 | 0.0 | NA | NA | -0.1 | 87.7 |
| 1965 | 6.9 | 39.5 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 46.4 | 0.0 | 0.0 | NA | NA | -0.1 | 93.1 |
| 1970 | 8.5 | 62.4 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 64.4 | 0.0 | 0.0 | NA | NA | -0.2 | 135.3 |
| 1975 | 89.8 | 18.9 | 36.2 | 9.6 | 0.0 | 45.8 | 0.0 | 75.3 | 0.0 | 0.0 | NA | NA | (s) | 229.9 |
| 1980 | 231.9 | 52.5 | 7.5 | 2.5 | 0.0 | 10.0 | 0.0 | 102.0 | 0.0 | 0.0 | NA | NA | -0.1 | 396.3 |
| 1985 | 303.2 | 44.2 | 0.9 | 1.2 | 0.0 | 2.1 | 12.0 | 146.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 507.5 |
| 1990 | 330.2 | 25.0 | 0.1 | 1.2 | 0.0 | 1.2 | 218.0 | 77.2 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 651.5 |
| 1995 | 329.7 | 22.7 | 0.1 | 0.6 | 0.0 | 0.7 | 283.5 | 85.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 723.2 |
| 1996 | 329.5 | 22.9 | 0.1 | 0.6 | 0.0 | 0.7 | 302.9 | 95.3 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 751.3 |
| 1997 | 356.2 | 27.1 | (s) | 0.6 | 0.0 | 0.6 | 307.6 | 123.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 814.9 |
| 1998 | 373.3 | 42.9 | 0.0 | 0.7 | 0.0 | 0.7 | 317.9 | 111.9 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 846.6 |
| 1999 | 390.1 | 55.4 | 0.1 | 0.4 | 0.0 | 0.5 | 317.8 | 99.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 863.6 |
| 2000 | 416.9 | 97.4 | 0.3 | 2.1 | 0.0 | 2.4 | 316.8 | 85.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 918.9 |
| 2001 | 409.3 | 132.0 | 1.4 | 2.5 | 0.0 | 3.9 | 300.0 | 78.8 | 0.3 | 0.0 | (s) | 0.0 | 0.2 | 924.5 |
| 2002 | 392.5 | 148.0 | 0.0 | 0.6 | 0.0 | 0.6 | 322.3 | 75.6 | 0.4 | 0.0 | (s) | 0.0 | (s) | 939.3 |
| 2003 | 391.3 | 171.6 | 0.0 | 0.6 | 0.0 | 0.6 | 297.8 | 72.5 | 0.3 | 0.0 | (s) | 0.0 | -0.1 | 934.0 |
| 2004 | 409.2 | 245.1 | (s) | 0.5 | 0.0 | 0.5 | 293.1 | 69.9 | 0.4 | 0.0 | (s) | 0.0 | 0.3 | 1,018.5 |
| 2005 | 412.5 | 222.8 | (s) | 0.5 | 0.0 | 0.5 | 269.3 | 64.1 | 0.6 | 0.0 | 0.1 | 0.0 | -0.3 | 969.7 |
| 2006 | 415.7 | 253.2 | (s) | 0.8 | 0.0 | 0.8 | 250.6 | 67.4 | 0.5 | 0.0 | 0.1 | 0.0 | -0.6 | 987.7 |
| 2007 | 423.2 | 286.3 | 0.0 | 0.5 | 0.0 | 0.5 | 280.8 | 65.2 | 0.2 | 0.0 | 0.1 | 0.0 | (s) | 1,056.3 |
| 2008 | 445.8 | 291.6 | 0.0 | 0.5 | 0.0 | 0.5 | 305.8 | 71.8 | 1.7 | 0.0 | 0.1 | 0.0 | -0.9 | 1,116.4 |
| 2009 | 404.5 | 267.7 | 0.0 | 0.6 | 0.0 | 0.6 | 320.7 | 62.7 | 1.7 | 0.0 | 0.1 | 0.3 | -0.8 | 1,057.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 14 | 215 | 2,021 | 2,237 | 4,823 | 14,675 | 539 | 4,180 | 28,475 | 0 | 992 | NA |
| 1965 | 6 | 277 | 2,828 | 2,094 | 5,599 | 17,922 | 453 | 5,437 | 34,332 | 0 | 1,080 | NA |
| 1970 | 0 | 382 | 5,462 | 2,204 | 10,198 | 22,457 | 935 | 6,579 | 47,835 | 0 | 2,160 | NA |
| 1971 | 2 | 334 | 5,494 | 2,292 | 10,777 | 23,752 | 2,957 | 7,268 | 52,541 | 0 | 1,804 | NA |
| 1972 | 2 | 316 | 7,957 | 2,181 | 12,029 | 25,732 | 5,643 | 6,801 | 60,344 | 0 | 1,644 | NA |
| 1973 | 97 | 328 | 9,892 | 2,012 | 10,790 | 26,924 | 9,593 | 7,689 | 66,900 | 0 | 4,252 | NA |
| 1974 | 115 | 290 | 10,310 | 2,031 | 9,905 | 27,005 | 10,532 | 7,072 | 66,855 | 361 | 4,271 | NA |
| 1975 | 40 | 258 | 9,566 | 1,995 | 9,467 | 27,611 | 9,086 | 6,852 | 64,577 | 4,874 | 3,433 | NA |
| 1976 | 167 | 249 | 10,147 | 1,906 | 9,716 | 29,095 | 13,262 | 7,171 | 71,298 | 3,858 | 2,022 | NA |
| 1977 | 248 | 230 | 11,793 | 2,029 | 9,035 | 29,778 | 17,843 | 8,200 | 78,677 | 5,085 | 1,791 | NA |
| 1978 | 1,273 | 221 | 12,289 | 1,920 | 6,759 | 30,615 | 17,218 | 8,802 | 77,602 | 5,220 | 2,421 | NA |
| 1979 | 1,796 | 251 | 14,558 | 1,921 | 5,040 | 24,833 | 11,552 | 8,670 | 66,575 | 3,873 | 3,375 | NA |
| 1980 | 2,076 | 274 | 10,686 | 2,035 | 4,847 | 26,490 | 4,981 | 8,292 | 57,331 | 7,833 | 1,695 | NA |
| 1981 | 5,914 | 265 | 13,103 | 1,747 | 3,763 | 26,306 | 2,611 | 7,538 | 55,068 | 9,075 | 1,235 | 17 |
| 1982 | 7,254 | 227 | 13,111 | 2,011 | 4,082 | 25,946 | 1,749 | 6,607 | 53,507 | 7,482 | 2,106 | 20 |
| 1983 | 10,065 | 207 | 13,134 | 1,604 | 4,106 | 25,993 | 763 | 8,330 | 53,932 | 7,646 | 3,315 | 29 |
| 1984 | 9,435 | 210 | 12,257 | 2,016 | 3,172 | 27,334 | 480 | 5,127 | 50,386 | 10,808 | 2,723 | 65 |
| 1985 | 12,682 | 196 | 12,804 | 2,030 | 3,673 | 26,607 | 735 | 4,576 | 50,424 | 9,889 | 4,434 | 19 |
| 1986 | 12,849 | 199 | 11,696 | 1,919 | 3,803 | 27,900 | 926 | 3,341 | 49,585 | 8,876 | 2,813 | 0 |
| 1987 | 12,066 | 170 | 11,642 | 2,063 | 3,503 | 28,575 | 265 | 3,525 | 49,574 | 11,369 | 2,407 | 0 |
| 1988 | 12,555 | 217 | 12,284 | 2,221 | 3,552 | 29,540 | 355 | 3,961 | 51,913 | 8,895 | 2,785 | 0 |
| 1989 | 11,547 | 250 | 12,969 | 1,938 | 3,786 | 29,409 | 370 | 3,368 | 51,841 | 8,844 | 3,084 | 0 |
| 1990 | 12,092 | 232 | 12,585 | 1,693 | 3,463 | 28,997 | 228 | 3,218 | 50,184 | 11,282 | 3,655 | 146 |
| 1991 | 12,261 | 209 | 12,352 | 1,792 | 3,309 | 28,995 | 145 | 2,963 | 49,557 | 12,662 | 3,547 | 92 |
| 1992 | 12,538 | 225 | 13,635 | 1,134 | 3,012 | 29,401 | 31 | 3,851 | 51,064 | 11,326 | 3,377 | 65 |
| 1993 | 11,447 | 229 | 14,394 | 1,031 | 3,478 | 30,472 | 222 | 4,081 | 53,677 | 13,522 | 4,509 | 45 |
| 1994 | 12,596 | 242 | 15,943 | 1,634 | 3,378 | 30,874 | 319 | 3,828 | 55,975 | 13,924 | 3,463 | 8 |
| 1995 | 13,540 | 253 | 17,007 | 1,179 | 3,229 | 32,121 | 219 | 3,910 | 57,665 | 11,658 | 3,218 | 9 |
| 1996 | 14,816 | 268 | 16,848 | 1,534 | 3,116 | 32,081 | 197 | 8,969 | 62,745 | 13,357 | 2,797 | 1 |
| 1997 | 14,068 | 260 | 17,950 | 1,539 | 3,068 | 33,184 | 48 | 9,561 | 65,351 | 14,208 | 3,516 | 0 |
| 1998 | 14,563 | 266 | 18,699 | 1,528 | 2,322 | 33,261 | 103 | 9,295 | 65,208 | 13,097 | 3,117 | 0 |
| 1999 | 15,299 | 253 | 17,781 | 4,575 | 5,973 | 33,698 | 109 | 9,466 | 71,602 | 12,920 | 2,694 | 0 |
| 2000 | 15,249 | 251 | 18,815 | 4,868 | 6,522 | 33,297 | 302 | 9,256 | 73,060 | 11,652 | 2,370 | 0 |
| 2001 | 15,547 | 228 | 20,897 | 1,036 | 6,152 | 33,246 | 1,543 | 7,493 | 70,367 | 14,781 | 2,548 | 0 |
| 2002 | 14,587 | 242 | 21,682 | 794 | 4,047 | 34,103 | 226 | 9,218 | 70,070 | 14,559 | 3,436 | 0 |
| 2003 | 14,726 | 247 | 22,044 | 822 | 3,211 | 34,343 | 570 | 8,643 | 69,633 | 14,689 | 2,655 | 0 |
| 2004 | 15,733 | 215 | 23,356 | 722 | 3,470 | 34,628 | 1,188 | 8,368 | 71,731 | 15,450 | 3,643 | 0 |
| 2005 | 14,399 | 214 | 24,418 | 1,251 | 2,705 | 34,498 | 264 | 7,592 | 70,727 | 13,690 | 3,083 | 28 |
| 2006 | 14,979 | 234 | 23,624 | 1,183 | 2,767 | 34,560 | 223 | R 6,192 | R 68,549 | 15,233 | 1,551 | 26 |
| 2007 | 16,028 | 226 | 24,072 | 1,226 | 2,749 | 34,962 | 139 | R 5,935 | R 69,082 | 15,486 | 3,237 | 83 |
| 2008 | 16,067 | 235 | R 24,743 | 1,085 | 3,236 | 34,154 | 99 | R 4,516 | R 67,834 | 14,168 | 4,660 | 664 |
| 2009 | 15,292 | 244 | 21,959 | 800 | 2,941 | 34,804 | 119 | 4,127 | 64,750 | 15,170 | 4,193 | 1,732 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas
(Trillion Btu)

| | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| Year | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 0.4 | 222.2 | 11.8 | 12.0 | 19.3 | 77.1 | 3.4 | 25.4 | 148.9 | 371.5 | *222.2* | *77.1* |
| 1965 | 0.2 | 277.7 | 16.5 | 11.2 | 22.5 | 94.1 | 2.8 | 32.9 | 180.0 | 457.8 | *277.7* | *94.1* |
| 1970 | 0.0 | 383.5 | 31.8 | 11.9 | 38.5 | 118.0 | 5.9 | 40.3 | 246.3 | 629.8 | *383.5* | *118.0* |
| 1971 | 0.1 | 335.0 | 32.0 | 12.4 | 40.7 | 124.8 | 18.6 | 44.2 | 272.6 | 607.6 | *335.0* | *124.8* |
| 1972 | 0.1 | 317.6 | 46.4 | 11.8 | 45.2 | 135.2 | 35.5 | 41.4 | 315.4 | 633.1 | *317.6* | *135.2* |
| 1973 | 2.3 | 327.5 | 57.6 | 10.9 | 40.4 | 141.4 | 60.3 | 46.6 | 357.3 | 687.0 | *327.5* | *141.4* |
| 1974 | 2.7 | 290.1 | 60.1 | 11.0 | 36.9 | 141.9 | 66.2 | 42.9 | 358.9 | 651.7 | *290.1* | *141.9* |
| 1975 | 0.9 | 257.4 | 55.7 | 10.8 | 35.2 | 145.0 | 57.1 | 41.6 | 345.4 | 603.7 | *257.4* | *145.0* |
| 1976 | 3.6 | 248.2 | 59.1 | 10.3 | 36.1 | 152.8 | 83.4 | 43.5 | 385.2 | 637.0 | *248.2* | *152.8* |
| 1977 | 5.2 | 234.4 | 68.7 | 11.0 | 33.2 | 156.4 | 112.2 | 49.6 | 431.1 | 670.7 | *234.4* | *156.4* |
| 1978 | 22.8 | 220.9 | 71.6 | 10.4 | 24.8 | 160.8 | 108.2 | 53.2 | 429.0 | 672.8 | *220.9* | *160.8* |
| 1979 | 31.7 | 255.0 | 84.8 | 10.4 | 18.5 | 130.4 | 72.6 | 52.6 | 369.5 | 656.2 | *255.0* | *130.4* |
| 1980 | 36.6 | 274.0 | 62.2 | 11.0 | 17.8 | 139.1 | 31.3 | 49.8 | 311.3 | 622.0 | *274.0* | *139.1* |
| 1981 | 101.9 | 265.0 | 76.3 | 9.5 | 13.7 | 138.2 | 16.4 | 45.2 | 299.3 | 666.2 | *265.1* | *138.2* |
| 1982 | 125.2 | 227.4 | 76.4 | 10.9 | 14.8 | 136.3 | 11.0 | 39.7 | 289.1 | 641.7 | *227.4* | *136.3* |
| 1983 | 177.5 | 211.7 | 76.5 | 8.7 | 14.8 | 136.5 | 4.8 | 49.5 | 290.8 | 680.0 | *211.7* | *136.5* |
| 1984 | 163.9 | 214.4 | 71.4 | 10.9 | 11.4 | 143.6 | 3.0 | 30.1 | 270.5 | 648.8 | *214.4* | *143.6* |
| 1985 | 219.8 | 199.3 | 74.6 | 11.0 | 13.2 | 139.8 | 4.6 | 27.3 | 270.6 | 689.7 | *199.3* | *139.8* |
| 1986 | 224.5 | 203.0 | 68.1 | 10.4 | 13.8 | 146.6 | 5.8 | 20.2 | 265.0 | 692.6 | *203.0* | *146.6* |
| 1987 | 211.0 | 172.3 | 67.8 | 11.3 | 12.8 | 150.1 | 1.7 | 21.3 | 264.9 | 648.3 | *172.3* | *150.1* |
| 1988 | 218.8 | 218.8 | 71.6 | 12.2 | 13.0 | 155.2 | 2.2 | 24.1 | 278.2 | 715.8 | *218.8* | *155.2* |
| 1989 | 203.3 | 251.1 | 75.5 | 10.6 | 13.9 | 154.5 | 2.3 | 20.1 | 277.0 | 731.5 | *251.1* | *154.5* |
| 1990 | 212.7 | 234.5 | 73.3 | 9.2 | 12.6 | 152.3 | 1.4 | 19.0 | 267.9 | 715.1 | *234.5* | *152.3* |
| 1991 | 215.9 | 212.7 | 72.0 | 9.7 | 12.0 | 152.3 | 0.9 | 17.7 | 264.6 | 693.2 | *212.7* | *152.3* |
| 1992 | 220.7 | 226.6 | 79.4 | 6.2 | 10.9 | 154.4 | 0.2 | 23.3 | 274.5 | 721.8 | *226.6* | *154.4* |
| 1993 | 200.5 | 232.7 | 83.8 | 5.7 | 12.5 | 159.9 | 1.4 | 24.9 | 288.3 | 721.4 | *232.7* | *160.1* |
| 1994 | 222.2 | 247.2 | 92.9 | 9.1 | 12.3 | 161.4 | 2.0 | 23.1 | 300.8 | 770.1 | *247.2* | *161.5* |
| 1995 | 237.3 | 272.0 | 99.1 | 6.7 | 11.7 | 167.5 | 1.4 | 23.7 | 310.0 | 819.3 | *272.0* | *167.5* |
| 1996 | 260.1 | 275.0 | 98.1 | 8.7 | 11.3 | 167.3 | 1.2 | 50.5 | 337.2 | 872.2 | *275.0* | *167.3* |
| 1997 | 246.8 | 264.0 | 104.6 | 8.7 | 11.1 | 173.0 | 0.3 | 54.0 | 351.7 | 862.5 | *264.0* | *173.0* |
| 1998 | 254.7 | 272.9 | 108.9 | 8.7 | 8.4 | 173.4 | 0.6 | 52.4 | 352.3 | 879.9 | *272.9* | *173.4* |
| 1999 | 267.0 | 257.7 | 103.6 | 25.9 | 21.6 | 175.6 | 0.7 | 53.3 | 380.7 | 905.3 | *257.7* | *175.6* |
| 2000 | 267.6 | 256.1 | 109.6 | 27.6 | 23.5 | 173.5 | 1.9 | 52.0 | 388.1 | 911.8 | *256.1* | *173.5* |
| 2001 | 274.0 | 231.6 | 121.7 | 5.9 | 22.2 | 173.2 | 9.7 | 42.7 | 375.4 | 881.0 | *231.6* | *173.2* |
| 2002 | 255.2 | 247.9 | 126.3 | 4.5 | 14.6 | 177.6 | 1.4 | 54.2 | 378.6 | 881.7 | *247.9* | *177.6* |
| 2003 | 253.7 | 254.6 | 128.4 | 4.7 | 11.7 | 178.8 | 3.6 | 50.1 | 377.3 | 885.5 | *254.6* | *178.8* |
| 2004 | 270.2 | 217.9 | 136.0 | 4.1 | 12.6 | 180.6 | 7.5 | 47.6 | 388.3 | 876.5 | *217.9* | *180.6* |
| 2005 | 247.2 | 216.6 | 142.2 | 7.1 | 9.8 | 179.9 | 1.7 | 43.0 | 383.6 | 847.4 | *216.6* | *180.0* |
| 2006 | 256.9 | 240.9 | 137.6 | 6.7 | 10.0 | 180.2 | 1.4 | R 36.6 | R 372.5 | R 870.3 | *240.9* | *180.3* |
| 2007 | 275.0 | 228.0 | 140.2 | 7.0 | 9.9 | 182.2 | 0.9 | R 35.0 | R 375.1 | R 878.1 | *228.0* | *182.5* |
| 2008 | 278.8 | 238.4 | R 144.1 | 6.2 | 11.6 | 175.9 | 0.6 | R 26.1 | R 364.6 | R 881.8 | *238.4* | *178.2* |
| 2009 | 264.1 | 248.1 | 127.9 | 4.5 | 10.5 | 175.6 | 0.8 | 23.9 | 343.1 | 855.3 | *248.1* | *181.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 10.7 | 37.4 | NA | NA | 37.4 | 0.0 | NA | NA | 48.1 | 7.3 | 0.0 | 426.9 |
| 1965 | 0.0 | 11.3 | 35.1 | NA | NA | 35.1 | 0.0 | NA | NA | 46.4 | 25.5 | 0.0 | 529.8 |
| 1970 | 0.0 | 22.7 | 34.3 | NA | NA | 34.3 | 0.0 | NA | NA | 56.9 | 21.9 | 0.0 | R 708.6 |
| 1971 | 0.0 | 18.9 | 34.7 | NA | NA | 34.7 | 0.0 | NA | NA | 53.6 | R 43.1 | 0.0 | R 704.3 |
| 1972 | 0.0 | 17.1 | 36.9 | NA | NA | 36.9 | 0.0 | NA | NA | 53.9 | R 61.8 | 0.0 | R 748.8 |
| 1973 | 0.0 | 44.2 | 37.6 | NA | NA | 37.6 | 0.0 | NA | NA | 81.7 | R 55.9 | 0.0 | R 824.6 |
| 1974 | 4.0 | 44.6 | 36.7 | NA | NA | 36.7 | 0.0 | NA | NA | 81.3 | R 66.0 | 0.0 | R 803.1 |
| 1975 | 53.7 | 35.7 | 35.9 | NA | NA | 35.9 | 0.0 | NA | NA | 71.6 | R 60.9 | 0.0 | R 789.8 |
| 1976 | 42.6 | 21.0 | 41.3 | NA | NA | 41.3 | 0.0 | NA | NA | 62.3 | R 104.2 | 0.0 | R 846.1 |
| 1977 | 54.8 | 18.7 | 51.1 | NA | NA | 51.1 | 0.0 | NA | NA | 69.7 | R 97.7 | 0.0 | R 892.9 |
| 1978 | 57.1 | 25.1 | 52.0 | NA | NA | 52.0 | 0.0 | NA | NA | 77.1 | R 88.0 | 0.0 | R 895.0 |
| 1979 | 42.1 | 34.9 | 45.8 | NA | NA | 45.8 | 0.0 | NA | NA | 80.8 | R 104.2 | 0.0 | R 883.3 |
| 1980 | 85.4 | 17.6 | 52.4 | NA | NA | 52.4 | 0.0 | NA | NA | 70.0 | R 93.4 | 0.0 | R 870.9 |
| 1981 | 100.1 | 12.9 | 55.3 | 0.1 | 0.0 | 55.3 | 0.0 | NA | NA | R 68.2 | R -2.5 | 0.0 | R 832.0 |
| 1982 | 82.9 | 22.0 | 55.6 | 0.1 | 0.0 | 55.6 | 0.0 | NA | NA | 77.7 | R -2.2 | 0.0 | R 800.0 |
| 1983 | 83.4 | 34.9 | 60.4 | 0.1 | 0.0 | 60.5 | 0.0 | NA | 0.0 | 95.4 | R -56.1 | 0.0 | R 802.7 |
| 1984 | 117.2 | 28.4 | 63.0 | 0.2 | 0.0 | 63.2 | 0.0 | 0.0 | 0.0 | R 91.6 | R -51.6 | 0.0 | R 806.0 |
| 1985 | 105.0 | 46.3 | 62.9 | 0.1 | 0.0 | 62.9 | 0.0 | 0.0 | 0.0 | 109.3 | R -107.6 | 0.0 | R 796.3 |
| 1986 | 93.9 | 29.4 | 61.8 | 0.0 | 0.0 | 61.8 | 0.0 | 0.0 | 0.0 | 91.2 | R -116.6 | 0.0 | R 761.1 |
| 1987 | 118.7 | 25.1 | 61.6 | 0.0 | 0.0 | 61.6 | 0.0 | 0.0 | 0.0 | 86.7 | R -115.9 | 0.0 | R 737.8 |
| 1988 | 94.3 | 28.8 | 63.8 | 0.0 | 0.0 | 63.8 | 0.0 | 0.0 | 0.0 | 92.5 | R -83.3 | 0.0 | R 819.4 |
| 1989 | 93.6 | 32.2 | 86.2 | 0.0 | 0.0 | 86.2 | 0.1 | 1.3 | 0.0 | 119.8 | R -60.3 | 0.0 | R 884.6 |
| 1990 | 119.4 | 38.0 | 70.6 | 0.5 | 0.0 | 71.1 | 0.1 | 1.3 | 0.0 | 110.5 | R -90.2 | 0.0 | R 854.7 |
| 1991 | 132.7 | 37.0 | 71.4 | 0.3 | 0.0 | 71.7 | 0.1 | 1.3 | 0.0 | 110.2 | R -90.2 | 0.0 | R 845.9 |
| 1992 | 118.6 | 34.9 | 76.3 | 0.2 | 0.0 | 76.5 | 0.1 | 1.3 | 0.0 | R 112.8 | R -78.9 | 0.0 | R 874.3 |
| 1993 | 142.0 | 46.5 | 85.8 | 0.2 | 0.0 | 85.9 | 0.1 | 1.3 | 0.0 | 133.8 | R -51.3 | 0.0 | R 946.0 |
| 1994 | 145.5 | 35.7 | 82.5 | (s) | 0.0 | 82.5 | 0.1 | 1.3 | 0.0 | 119.6 | R -61.2 | 0.0 | R 974.1 |
| 1995 | 122.5 | 33.2 | 82.9 | (s) | 0.0 | 83.0 | 0.1 | 1.3 | 0.0 | R 117.5 | R -33.9 | 0.0 | R 1,025.4 |
| 1996 | 140.3 | 28.9 | 87.8 | (s) | 0.0 | 87.8 | 0.1 | 1.2 | 0.0 | 118.1 | R -54.9 | 0.0 | R 1,075.7 |
| 1997 | 149.1 | 35.9 | 86.9 | 0.0 | 0.0 | 86.9 | 0.1 | R 1.1 | 0.0 | 124.1 | R -42.1 | 0.0 | R 1,093.5 |
| 1998 | 137.4 | 31.8 | 82.0 | 0.0 | 0.0 | 82.0 | 0.2 | 1.1 | 0.0 | 115.0 | R -23.4 | 0.0 | R 1,108.8 |
| 1999 | 135.0 | 27.6 | 82.2 | 0.0 | 0.0 | 82.2 | 0.2 | 1.0 | 0.0 | 110.9 | R -19.9 | 0.0 | R 1,131.4 |
| 2000 | 121.5 | 24.2 | 83.5 | 0.0 | 0.0 | 83.5 | 0.2 | R 0.8 | 0.0 | 108.7 | R 21.9 | 0.0 | R 1,164.0 |
| 2001 | 154.4 | 26.3 | 66.8 | 0.0 | 0.0 | 66.8 | 0.2 | 0.7 | 0.0 | R 94.0 | R -21.9 | 0.0 | R 1,107.5 |
| 2002 | 152.0 | 35.0 | 72.9 | 0.0 | 0.0 | 72.9 | 0.2 | R 0.5 | 0.0 | 108.7 | R -10.6 | 0.0 | R 1,131.8 |
| 2003 | 153.1 | 27.2 | 80.4 | 0.0 | 0.0 | 80.4 | 0.3 | 0.4 | 0.0 | 108.3 | R -22.1 | 0.0 | R 1,124.7 |
| 2004 | 161.1 | 36.5 | 75.9 | 0.0 | 0.0 | 75.9 | 0.3 | 0.3 | 0.0 | 113.0 | R -29.7 | 0.0 | R 1,120.8 |
| 2005 | 142.9 | 30.8 | R 81.2 | 0.1 | 0.0 | R 81.3 | 0.3 | 0.1 | 0.0 | R 112.6 | R 34.1 | 0.0 | R 1,136.9 |
| 2006 | 159.0 | 15.4 | R 84.2 | 0.1 | 0.0 | R 84.3 | 0.4 | 0.1 | 0.0 | R 100.2 | R 3.5 | 0.0 | R 1,133.0 |
| 2007 | 162.4 | 32.0 | R 88.3 | 0.3 | 0.0 | R 88.6 | 0.5 | 0.1 | 0.0 | R 121.2 | R -22.4 | 0.0 | R 1,139.2 |
| 2008 | 148.1 | 45.9 | R 76.7 | 2.3 | 0.0 | R 79.0 | 0.6 | 0.1 | 0.0 | R 125.6 | R -37.7 | 0.0 | R 1,117.8 |
| 2009 | 158.7 | 40.9 | 78.8 | 6.0 | 0.0 | 84.8 | 0.7 | 0.1 | 0.0 | 126.5 | -85.7 | 0.0 | 1,054.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 14 | 168 | 2,019 | 2,237 | 4,823 | 14,675 | 421 | 4,180 | 28,356 | 0 | – – | – – | – – | – – | 5,662 | – – | – – | – – |
| 1965 | 6 | 210 | 2,828 | 2,094 | 5,599 | 17,922 | 415 | 5,437 | 34,294 | 0 | – – | – – | – – | – – | 9,051 | – – | – – | – – |
| 1970 | 0 | 275 | 5,455 | 2,204 | 10,198 | 22,457 | 238 | 6,579 | 47,130 | 0 | – – | – – | – – | – – | 13,444 | – – | – – | – – |
| 1975 | 40 | 226 | 9,504 | 1,995 | 9,466 | 27,611 | 4,722 | 6,852 | 60,150 | 0 | – – | – – | – – | – – | 18,128 | – – | – – | – – |
| 1980 | 302 | 215 | 10,506 | 2,035 | 4,847 | 26,490 | 1,875 | 8,292 | 54,045 | 0 | – – | – – | – – | – – | 26,499 | – – | – – | – – |
| 1985 | 380 | 184 | 12,792 | 2,030 | 3,673 | 26,607 | 726 | 4,576 | 50,404 | 0 | – – | – – | – – | – – | 23,833 | – – | – – | – – |
| 1990 | 256 | 200 | 12,444 | 1,693 | 3,463 | 28,997 | 214 | 3,218 | 50,029 | 0 | – – | – – | – – | – – | 27,365 | – – | – – | – – |
| 1995 | 325 | 220 | 16,913 | 1,179 | 3,229 | 32,121 | 204 | 3,910 | 57,556 | 0 | – – | – – | – – | – – | 34,671 | – – | – – | – – |
| 2000 | 382 | 217 | 18,748 | 4,868 | 6,522 | 33,297 | 9 | 9,256 | 72,700 | 0 | – – | – – | – – | – – | 41,611 | – – | – – | – – |
| 2001 | 437 | 202 | 20,816 | 1,036 | 6,152 | 33,246 | 203 | 7,493 | 68,946 | 0 | – – | – – | – – | – – | 41,732 | – – | – – | – – |
| 2002 | 422 | 200 | 21,613 | 794 | 4,047 | 34,103 | 46 | 9,218 | 69,821 | 0 | – – | – – | – – | – – | 42,450 | – – | – – | – – |
| 2003 | 417 | 191 | 21,973 | 822 | 3,211 | 34,343 | 188 | 8,643 | 69,180 | 0 | – – | – – | – – | – – | 43,108 | – – | – – | – – |
| 2004 | 415 | 175 | 23,294 | 722 | 3,470 | 34,628 | 446 | 8,368 | 70,927 | 0 | – – | – – | – – | – – | 43,672 | – – | – – | – – |
| 2005 | 368 | 165 | 24,346 | 1,251 | 2,705 | 34,498 | 34 | 7,592 | 70,426 | 0 | – – | – – | – – | – – | 46,165 | – – | – – | – – |
| 2006 | 365 | 163 | 23,576 | 1,183 | 2,767 | 34,560 | 4 | 6,192 | 68,282 | 0 | – – | – – | – – | – – | 46,636 | – – | – – | – – |
| 2007 | 399 | 163 | 24,009 | 1,226 | 2,749 | 34,962 | 69 | 5,935 | 68,950 | 0 | – – | – – | – – | – – | 47,055 | – – | – – | – – |
| 2008 | 388 | 171 | 24,699 | 1,085 | 3,236 | 34,154 | 46 | 4,516 | 67,736 | 0 | – – | – – | – – | – – | 46,135 | – – | – – | – – |
| 2009 | 298 | 161 | 21,895 | 800 | 2,941 | 34,804 | 42 | 4,127 | 64,609 | 0 | – – | – – | – – | – – | 43,173 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.4 | 173.8 | 11.8 | 12.0 | 19.3 | 77.1 | 2.6 | 25.4 | 148.2 | 0.0 | 37.4 | NA | NA | NA | 19.3 | 379.1 | 47.8 | 426.9 |
| 1965 | 0.2 | 210.1 | 16.5 | 11.2 | 22.5 | 94.1 | 2.6 | 32.9 | 179.8 | 0.0 | 35.1 | NA | NA | NA | 30.9 | 456.0 | 73.7 | 529.8 |
| 1970 | 0.0 | 275.6 | 31.8 | 11.9 | 38.5 | 118.0 | 1.5 | 40.3 | 241.9 | 0.0 | 34.3 | NA | NA | NA | 45.9 | 597.7 | 111.0 | 708.6 |
| 1975 | 0.9 | 225.3 | 55.4 | 10.8 | 35.2 | 145.0 | 29.7 | 41.6 | 317.6 | 0.0 | 35.9 | NA | NA | NA | 61.9 | 641.5 | 148.4 | 789.8 |
| 1980 | 6.5 | 213.6 | 61.2 | 11.0 | 17.8 | 139.1 | 11.8 | 49.8 | 290.8 | 0.0 | 52.4 | NA | NA | NA | 90.4 | 653.7 | 217.2 | 870.9 |
| 1985 | 8.1 | 187.3 | 74.5 | 11.0 | 13.2 | 139.8 | 4.6 | 27.3 | 270.4 | 0.0 | 62.9 | 0.0 | NA | NA | 81.3 | 610.1 | 186.2 | 796.3 |
| 1990 | 5.8 | 201.8 | 72.5 | 9.2 | 12.6 | 152.3 | 1.3 | 19.0 | 267.0 | 0.0 | 70.6 | 0.0 | 0.1 | 1.3 | 93.4 | 640.5 | 214.2 | 854.7 |
| 1995 | 7.8 | 238.6 | 98.5 | 6.7 | 11.7 | 167.5 | 1.3 | 23.7 | 309.4 | 0.0 | 82.9 | 0.0 | 0.1 | 1.3 | 118.3 | 758.4 | 267.0 | 1,025.4 |
| 2000 | 9.6 | 220.8 | 109.2 | 27.6 | 23.5 | 173.5 | 0.1 | 52.0 | 385.9 | 0.0 | 83.5 | 0.0 | 0.2 | 0.8 | 142.0 | 842.8 | 321.1 | 1,164.0 |
| 2001 | 10.9 | 204.5 | 121.3 | 5.9 | 22.2 | 173.2 | 1.3 | 42.7 | 366.5 | 0.0 | 66.8 | 0.0 | 0.2 | 0.7 | 142.4 | 792.0 | 315.5 | 1,107.5 |
| 2002 | 10.5 | 204.8 | 125.9 | 4.5 | 14.6 | 177.6 | 0.3 | 54.2 | 377.1 | 0.0 | 72.9 | 0.0 | 0.2 | 0.5 | 144.8 | 810.8 | 321.0 | 1,131.8 |
| 2003 | 10.1 | 196.4 | 128.0 | 4.7 | 11.7 | 178.8 | 1.2 | 50.1 | 374.5 | 0.0 | 73.3 | 0.0 | 0.3 | 0.4 | 147.1 | 802.1 | 322.7 | 1,124.7 |
| 2004 | 10.1 | 176.6 | 135.7 | 4.1 | 12.6 | 180.6 | 2.8 | 47.6 | 383.3 | 0.0 | 73.5 | 0.0 | 0.3 | 0.3 | 149.0 | 793.0 | 327.7 | 1,120.8 |
| 2005 | 9.3 | 166.2 | 141.8 | 7.1 | 9.8 | 180.0 | 0.2 | 43.0 | 381.9 | 0.0 | 79.1 | 0.0 | 0.3 | 0.1 | 157.5 | 794.4 | 342.5 | 1,136.9 |
| 2006 | 9.1 | 167.8 | 137.3 | 6.7 | 10.0 | 180.3 | (s) | 36.6 | 370.9 | 0.0 | 83.4 | 0.0 | 0.4 | 0.1 | 159.1 | 790.9 | 342.1 | 1,133.0 |
| 2007 | 9.8 | 162.8 | 139.9 | 7.0 | 9.9 | 182.5 | 0.4 | 35.0 | 374.5 | 0.0 | 86.6 | 0.0 | 0.5 | 0.1 | 160.6 | 794.8 | 344.4 | 1,139.2 |
| 2008 | 9.6 | 172.2 | 143.9 | 6.2 | 11.6 | 178.2 | 0.3 | 26.1 | 366.3 | 0.0 | 74.8 | 0.0 | 0.6 | 0.1 | 157.4 | 780.9 | 336.9 | 1,117.8 |
| 2009 | 7.4 | 162.8 | 127.5 | 4.5 | 10.5 | 181.6 | 0.3 | 23.9 | 348.3 | 0.0 | 78.3 | 0.0 | 0.7 | 0.1 | 147.3 | 744.9 | 310.0 | 1,054.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 33 | 24 | 62 | 2,711 | 2,798 | 969 | – – | – – | 1,339 | – – | – – | – – |
| 1965 | 0 | 37 | 43 | 63 | 3,275 | 3,382 | 667 | – – | – – | 2,333 | – – | – – | – – |
| 1970 | 0 | 60 | 70 | 147 | 6,275 | 6,491 | 417 | – – | – – | 4,321 | – – | – – | – – |
| 1975 | 0 | 49 | 161 | 128 | 4,943 | 5,233 | 430 | – – | – – | 7,751 | – – | – – | – – |
| 1980 | 1 | 47 | 152 | 0 | 2,051 | 2,203 | 102 | – – | – – | 10,227 | – – | – – | – – |
| 1985 | (s) | 40 | 1 | 31 | 1,995 | 2,026 | 192 | – – | – – | 8,936 | – – | – – | – – |
| 1990 | (s) | 39 | (s) | 20 | 1,772 | 1,792 | 158 | – – | – – | 10,558 | – – | – – | – – |
| 1995 | 0 | 41 | 2 | 14 | 1,434 | 1,450 | 229 | – – | – – | 12,417 | – – | – – | – – |
| 1996 | 0 | 46 | 1 | 12 | 1,427 | 1,440 | 238 | – – | – – | 12,934 | – – | – – | – – |
| 1997 | (s) | 42 | 1 | 19 | 1,510 | 1,530 | 117 | – – | – – | 12,990 | – – | – – | – – |
| 1998 | (s) | 38 | 1 | 15 | 1,119 | 1,135 | 104 | – – | – – | 14,339 | – – | – – | – – |
| 1999 | (s) | 36 | 1 | 36 | 2,899 | 2,936 | 110 | – – | – – | 14,045 | – – | – – | – – |
| 2000 | 0 | 42 | 1 | 25 | 2,572 | 2,598 | 118 | – – | – – | 14,871 | – – | – – | – – |
| 2001 | 0 | 37 | 1 | 24 | 2,704 | 2,729 | 111 | – – | – – | 15,104 | – – | – – | – – |
| 2002 | (s) | 39 | 9 | 20 | 2,023 | 2,051 | 113 | – – | – – | 15,527 | – – | – – | – – |
| 2003 | 0 | 38 | 4 | 16 | 1,682 | 1,701 | 119 | – – | – – | 15,598 | – – | – – | – – |
| 2004 | (s) | 35 | 6 | 11 | 1,609 | 1,625 | 122 | – – | – – | 15,619 | – – | – – | – – |
| 2005 | 0 | 34 | 1 | 14 | 1,461 | 1,476 | R 280 | – – | – – | 17,134 | – – | – – | – – |
| 2006 | (s) | 31 | 3 | 9 | 1,441 | 1,453 | R 255 | – – | – – | 17,065 | – – | – – | – – |
| 2007 | (s) | 33 | 3 | 6 | 1,416 | 1,426 | R 281 | – – | – – | 17,415 | – – | – – | – – |
| 2008 | 0 | 36 | 2 | 3 | 1,797 | 1,801 | R 294 | – – | – – | 17,392 | – – | – – | – – |
| 2009 | 0 | 33 | 4 | 5 | 1,770 | 1,778 | 281 | – – | – – | 16,986 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.0 | 34.4 | 0.1 | 0.4 | 10.9 | 11.4 | 19.4 | NA | NA | 4.6 | 69.7 | 11.3 | 81.0 |
| 1965 | 0.0 | 36.5 | 0.3 | 0.4 | 13.1 | 13.7 | 13.3 | NA | NA | 8.0 | 71.6 | 19.0 | 90.6 |
| 1970 | 0.0 | 60.0 | 0.4 | 0.8 | 23.7 | 24.9 | 8.3 | NA | NA | 14.7 | 108.1 | 35.7 | R 143.7 |
| 1975 | 0.0 | 48.3 | 0.9 | 0.7 | 18.4 | 20.0 | 8.6 | NA | NA | 26.4 | 103.4 | R 63.4 | R 166.8 |
| 1980 | (s) | 46.6 | 0.9 | 0.0 | 7.5 | 8.4 | 2.0 | NA | NA | 34.9 | 92.0 | R 83.8 | R 175.8 |
| 1985 | (s) | 40.9 | (s) | 0.2 | 7.2 | 7.4 | 3.8 | NA | NA | 30.5 | 82.6 | R 69.8 | R 152.4 |
| 1990 | (s) | 39.5 | (s) | 0.1 | 6.4 | 6.5 | 3.2 | 0.1 | 1.3 | 36.0 | 86.6 | R 82.7 | R 169.3 |
| 1995 | 0.0 | 44.6 | (s) | 0.1 | 5.2 | 5.3 | 4.6 | 0.1 | 1.3 | 42.4 | 98.2 | R 95.6 | R 193.8 |
| 1996 | 0.0 | 47.5 | (s) | 0.1 | 5.2 | 5.2 | 4.8 | 0.1 | 1.2 | 44.1 | 103.0 | R 99.7 | R 202.7 |
| 1997 | (s) | 43.0 | (s) | 0.1 | 5.5 | 5.6 | 2.3 | 0.1 | R 1.1 | 44.3 | R 96.5 | R 99.8 | R 196.3 |
| 1998 | (s) | 39.1 | (s) | 0.1 | 4.0 | 4.1 | 2.1 | 0.1 | 1.1 | 48.9 | 95.5 | R 110.3 | R 205.8 |
| 1999 | (s) | 36.9 | (s) | 0.2 | 10.5 | 10.7 | 2.2 | 0.2 | 1.0 | 47.9 | 98.9 | R 108.9 | R 207.8 |
| 2000 | 0.0 | 43.2 | (s) | 0.1 | 9.3 | 9.4 | 2.4 | 0.2 | R 0.8 | 50.7 | 106.7 | R 114.8 | R 221.4 |
| 2001 | 0.0 | 37.7 | (s) | 0.1 | 9.8 | 9.9 | 2.2 | 0.2 | 0.7 | 51.5 | 102.3 | R 114.2 | R 216.4 |
| 2002 | (s) | 40.1 | (s) | 0.1 | 7.3 | 7.5 | 2.3 | 0.2 | R 0.5 | 53.0 | R 103.5 | R 117.4 | R 220.9 |
| 2003 | 0.0 | 39.2 | (s) | 0.1 | 6.1 | 6.2 | 2.4 | 0.3 | 0.4 | 53.2 | 101.7 | R 116.8 | R 218.4 |
| 2004 | (s) | 35.1 | (s) | 0.1 | 5.8 | 5.9 | 2.4 | 0.3 | 0.3 | 53.3 | 97.3 | R 117.2 | R 214.5 |
| 2005 | 0.0 | 33.9 | (s) | 0.1 | 5.3 | 5.4 | R 5.6 | 0.3 | 0.1 | 58.5 | R 103.8 | R 127.1 | R 230.9 |
| 2006 | (s) | 32.5 | (s) | 0.1 | 5.2 | 5.3 | R 5.1 | 0.4 | 0.1 | 58.2 | R 101.6 | R 125.2 | R 226.7 |
| 2007 | (s) | 32.7 | (s) | (s) | 5.1 | 5.1 | R 5.6 | 0.5 | 0.1 | 59.4 | R 103.4 | R 127.4 | R 230.9 |
| 2008 | 0.0 | 36.0 | (s) | (s) | 6.5 | 6.5 | R 5.9 | 0.5 | 0.1 | 59.3 | R 108.4 | R 127.0 | R 235.4 |
| 2009 | 0.0 | 33.6 | (s) | (s) | 6.3 | 6.3 | 5.6 | 0.7 | 0.1 | 58.0 | 104.3 | 122.0 | 226.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 17 | 14 | 38 | 620 | 151 | 103 | 925 | NA | – – | – – | 1,161 | – – | – – | – – |
| 1965 | 0 | 28 | 24 | 39 | 748 | 127 | 88 | 1,027 | NA | – – | – – | 1,834 | – – | – – | – – |
| 1970 | 0 | 39 | 40 | 90 | 1,434 | 181 | 41 | 1,786 | NA | – – | – – | 2,789 | – – | – – | – – |
| 1975 | 0 | 33 | 92 | 79 | 1,129 | 143 | 1,077 | 2,520 | NA | – – | – – | 4,382 | – – | – – | – – |
| 1980 | 5 | 31 | 112 | 132 | 469 | 162 | 437 | 1,312 | NA | – – | – – | 5,326 | – – | – – | – – |
| 1985 | 1 | 27 | 829 | 84 | 456 | 119 | 0 | 1,488 | NA | – – | – – | 5,848 | – – | – – | – – |
| 1990 | (s) | 25 | 298 | 1 | 405 | 142 | 0 | 847 | 0 | – – | – – | 6,681 | – – | – – | – – |
| 1995 | 0 | 27 | 301 | 5 | 328 | 29 | 0 | 662 | 0 | – – | – – | 7,771 | – – | – – | – – |
| 1996 | 0 | 31 | 291 | 5 | 326 | 29 | (s) | 651 | 0 | – – | – – | 8,063 | – – | – – | – – |
| 1997 | (s) | 29 | 270 | 5 | 345 | 28 | 0 | 649 | 0 | – – | – – | 8,236 | – – | – – | – – |
| 1998 | (s) | 28 | 358 | 7 | 256 | 29 | 0 | 649 | 0 | – – | – – | 8,910 | – – | – – | – – |
| 1999 | (s) | 28 | 260 | 4 | 662 | 28 | 0 | 955 | 0 | – – | – – | 9,064 | – – | – – | – – |
| 2000 | 0 | 33 | 376 | 4 | 588 | 29 | 0 | 996 | 0 | – – | – – | 9,472 | – – | – – | – – |
| 2001 | 0 | 32 | 593 | 9 | 618 | 30 | 0 | 1,251 | 0 | – – | – – | 9,894 | – – | – – | – – |
| 2002 | (s) | 33 | 446 | 4 | 462 | 110 | 0 | 1,022 | 0 | – – | – – | 10,035 | – – | – – | – – |
| 2003 | 0 | 32 | 722 | 3 | 369 | 99 | 0 | 1,193 | 0 | – – | – – | 10,568 | – – | – – | – – |
| 2004 | (s) | 30 | 515 | 17 | 667 | 104 | (s) | 1,303 | 0 | – – | – – | 10,731 | – – | – – | – – |
| 2005 | 0 | 32 | 714 | 20 | 287 | 140 | 0 | 1,162 | 0 | – – | – – | 11,366 | – – | – – | – – |
| 2006 | (s) | 31 | 93 | 12 | 279 | 145 | 0 | 528 | 0 | – – | – – | 11,581 | – – | – – | – – |
| 2007 | 1 | 32 | 90 | 9 | 204 | 123 | 0 | 426 | 0 | – – | – – | 11,801 | – – | – – | – – |
| 2008 | 0 | 37 | R 109 | 6 | 432 | 128 | 0 | R 675 | 0 | – – | – – | 11,703 | – – | – – | – – |
| 2009 | 0 | 36 | 1,008 | (s) | 300 | 137 | 0 | 1,445 | 0 | – – | – – | 11,477 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 17.8 | 0.1 | 0.2 | 2.5 | 0.8 | 0.6 | 4.2 | NA | 0.4 | NA | 4.0 | 26.3 | 9.8 | 36.1 |
| 1965 | 0.0 | 28.0 | 0.1 | 0.2 | 3.0 | 0.7 | 0.6 | 4.6 | NA | 0.3 | NA | 6.3 | 39.1 | 14.9 | 54.0 |
| 1970 | 0.0 | 39.3 | 0.2 | 0.5 | 5.4 | 0.9 | 0.3 | 7.4 | NA | 0.2 | NA | 9.5 | 56.4 | 23.0 | 79.4 |
| 1975 | 0.0 | 33.1 | 0.5 | 0.4 | 4.2 | 0.8 | 6.8 | 12.7 | NA | 0.2 | NA | 15.0 | 60.9 | R 35.9 | R 96.8 |
| 1980 | 0.1 | 30.5 | 0.6 | 0.7 | 1.7 | 0.9 | 2.7 | 6.7 | NA | 0.1 | NA | 18.2 | 55.6 | R 43.7 | R 99.2 |
| 1985 | (s) | 27.2 | 4.8 | 0.5 | 1.6 | 0.6 | 0.0 | 7.6 | NA | 0.1 | NA | 20.0 | 54.8 | R 45.7 | R 100.5 |
| 1990 | (s) | 25.3 | 1.7 | (s) | 1.5 | 0.7 | 0.0 | 4.0 | 0.0 | 0.5 | (s) | 22.8 | 52.6 | R 52.3 | R 104.9 |
| 1995 | 0.0 | 29.7 | 1.8 | (s) | 1.2 | 0.2 | 0.0 | 3.1 | 0.0 | 0.8 | (s) | 26.5 | 60.2 | R 59.9 | R 120.0 |
| 1996 | 0.0 | 31.8 | 1.7 | (s) | 1.2 | 0.2 | (s) | 3.1 | 0.0 | 0.8 | (s) | 27.5 | 63.2 | R 62.2 | R 125.4 |
| 1997 | (s) | 29.9 | 1.6 | (s) | 1.2 | 0.1 | 0.0 | 3.0 | 0.0 | 0.6 | (s) | 28.1 | 61.5 | R 63.3 | R 124.8 |
| 1998 | (s) | 28.8 | 2.1 | (s) | 0.9 | 0.1 | 0.0 | 3.2 | 0.0 | 0.5 | (s) | 30.4 | 62.9 | R 68.5 | R 131.4 |
| 1999 | (s) | 28.4 | 1.5 | (s) | 2.4 | 0.1 | 0.0 | 4.1 | 0.0 | 0.6 | 0.0 | 30.9 | 64.0 | R 70.3 | R 134.3 |
| 2000 | 0.0 | 33.8 | 2.2 | (s) | 2.1 | 0.1 | 0.0 | 4.5 | 0.0 | 0.6 | 0.0 | 32.3 | 71.2 | R 73.1 | R 144.3 |
| 2001 | 0.0 | 32.5 | 3.5 | 0.1 | 2.2 | 0.2 | 0.0 | 5.9 | 0.0 | 0.6 | 0.0 | 33.8 | 72.7 | R 74.8 | R 147.5 |
| 2002 | (s) | 33.7 | 2.6 | (s) | 1.7 | 0.6 | 0.0 | 4.9 | 0.0 | 0.6 | 0.0 | 34.2 | 73.4 | R 75.9 | R 149.3 |
| 2003 | 0.0 | 32.7 | 4.2 | (s) | 1.3 | 0.5 | 0.0 | 6.1 | 0.0 | 0.6 | 0.0 | 36.1 | 75.4 | R 79.1 | R 154.5 |
| 2004 | (s) | 30.1 | 3.0 | 0.1 | 2.4 | 0.5 | (s) | 6.1 | 0.0 | 0.5 | 0.0 | 36.6 | 73.3 | R 80.5 | R 153.8 |
| 2005 | 0.0 | 31.8 | 4.2 | 0.1 | 1.0 | 0.7 | 0.0 | 6.0 | 0.0 | R 1.0 | 0.0 | 38.8 | R 77.6 | R 84.3 | 162.0 |
| 2006 | (s) | 32.3 | 0.5 | 0.1 | 1.0 | 0.8 | 0.0 | 2.4 | 0.0 | R 0.9 | 0.0 | 39.5 | R 75.0 | R 84.9 | R 160.0 |
| 2007 | (s) | 32.2 | 0.5 | 0.1 | 0.7 | 0.6 | 0.0 | 1.9 | 0.0 | R 0.9 | 0.0 | 40.3 | R 75.4 | R 86.4 | R 161.7 |
| 2008 | 0.0 | 37.2 | 0.6 | (s) | 1.6 | 0.7 | 0.0 | 2.9 | 0.0 | R 1.0 | 0.0 | 39.9 | R 81.1 | R 85.5 | R 166.5 |
| 2009 | 0.0 | 36.8 | 5.9 | (s) | 1.1 | 0.7 | 0.0 | 7.7 | 0.0 | 1.0 | 0.0 | 39.2 | 84.6 | 82.4 | 167.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 14 | 108 | 1,055 | 1,183 | 431 | 315 | 3,629 | 6,614 | 0 | – – | – – | – – | 3,161 | – – | – – | – – |
| 1965 | 6 | 134 | 1,057 | 1,141 | 485 | 291 | 4,548 | 7,522 | 0 | – – | – – | – – | 4,883 | – – | – – | – – |
| 1970 | 0 | 162 | 1,962 | 1,798 | 291 | 191 | 5,750 | 9,992 | 0 | – – | – – | – – | 6,333 | – – | – – | – – |
| 1975 | 40 | 132 | 2,841 | 2,715 | 169 | 3,634 | 6,081 | 15,440 | 0 | – – | – – | – – | 5,994 | – – | – – | – – |
| 1980 | 296 | 126 | 3,544 | 2,122 | 51 | 1,438 | 7,453 | 14,608 | 0 | – – | – – | – – | 10,946 | – – | – – | – – |
| 1985 | 379 | 109 | 4,273 | 1,076 | 630 | 726 | 3,981 | 10,687 | 0 | – – | – – | – – | 9,049 | – – | – – | – – |
| 1990 | 256 | 127 | 2,424 | 1,202 | 416 | 214 | 2,630 | 6,886 | 0 | – – | – – | – – | 10,126 | – – | – – | – – |
| 1995 | 325 | 140 | 4,041 | 1,416 | 449 | 204 | 3,326 | 9,436 | 0 | – – | – – | – – | 14,483 | – – | – – | – – |
| 1996 | 348 | 144 | 3,393 | 1,317 | 454 | 116 | 8,420 | 13,700 | 0 | – – | – – | – – | 15,139 | – – | – – | – – |
| 1997 | 296 | 152 | 3,997 | 1,171 | 472 | 21 | 8,969 | 14,630 | 0 | – – | – – | – – | 15,632 | – – | – – | – – |
| 1998 | 287 | 149 | 3,816 | 915 | 648 | 3 | 8,698 | 14,079 | 0 | – – | – – | – – | 16,066 | – – | – – | – – |
| 1999 | 324 | 140 | 3,528 | 1,955 | 549 | 17 | 8,851 | 14,899 | 0 | – – | – – | – – | 16,680 | – – | – – | – – |
| 2000 | 382 | 132 | 4,026 | 3,269 | 550 | 9 | 8,682 | 16,536 | 0 | – – | – – | – – | 17,268 | – – | – – | – – |
| 2001 | 437 | 124 | 4,589 | 2,741 | 936 | 203 | 6,864 | 15,332 | 0 | – – | – – | – – | 16,734 | – – | – – | – – |
| 2002 | 422 | 120 | 4,347 | 1,507 | 999 | 46 | 8,668 | 15,567 | 0 | – – | – – | – – | 16,887 | – – | – – | – – |
| 2003 | 417 | 112 | 5,173 | 1,113 | 1,071 | 188 | 8,143 | 15,688 | 0 | – – | – – | – – | 16,942 | – – | – – | – – |
| 2004 | 415 | 102 | 5,583 | 1,143 | 1,257 | 446 | 7,830 | 16,259 | 0 | – – | – – | – – | 17,322 | – – | – – | – – |
| 2005 | 368 | 91 | 6,890 | 875 | 1,218 | 33 | 7,110 | 16,128 | 0 | – – | – – | – – | 17,665 | – – | – – | – – |
| 2006 | 365 | 89 | 6,952 | 966 | 1,336 | 4 | R 5,689 | R 14,949 | 0 | – – | – – | – – | 17,990 | – – | – – | – – |
| 2007 | 397 | 88 | 7,091 | 1,069 | 950 | 69 | R 5,427 | R 14,607 | 0 | – – | – – | – – | 17,839 | – – | – – | – – |
| 2008 | 388 | 88 | R 7,425 | R 853 | 688 | 46 | R 4,065 | R 13,077 | 0 | – – | – – | – – | 17,038 | – – | – – | – – |
| 2009 | 298 | 82 | 4,544 | 794 | 690 | 42 | 3,692 | 9,762 | 0 | – – | – – | – – | 14,710 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.4 | 112.1 | 6.1 | 4.7 | 2.3 | 2.0 | 22.2 | 37.4 | 0.0 | 17.7 | NA | NA | 10.8 | 178.3 | 26.7 | 205.0 |
| 1965 | 0.2 | 134.2 | 6.2 | 4.6 | 2.5 | 1.8 | 28.0 | 43.1 | 0.0 | 21.6 | NA | NA | 16.7 | 215.7 | 39.8 | 255.5 |
| 1970 | 0.0 | 162.8 | 11.4 | 6.8 | 1.5 | 1.2 | 35.6 | 56.6 | 0.0 | 25.8 | NA | NA | 21.6 | 266.7 | 52.3 | 319.0 |
| 1975 | 0.9 | 131.7 | 16.5 | 10.1 | 0.9 | 22.8 | 37.2 | 87.6 | 0.0 | 27.1 | NA | NA | 20.5 | 267.7 | R 49.1 | R 316.8 |
| 1980 | 6.3 | 125.1 | 20.6 | 7.8 | 0.3 | 9.0 | 45.0 | 82.8 | 0.0 | 50.3 | NA | NA | 37.3 | 301.9 | R 89.7 | R 391.6 |
| 1985 | 8.1 | 110.9 | 24.9 | 3.9 | 3.3 | 4.6 | 23.8 | 60.5 | 0.0 | 58.9 | 0.0 | NA | 30.9 | 269.3 | R 70.7 | R 340.0 |
| 1990 | 5.8 | 128.3 | 14.1 | 4.4 | 2.2 | 1.3 | 15.6 | 37.6 | 0.0 | 66.9 | 0.0 | 0.0 | 34.6 | 273.2 | R 79.3 | R 352.5 |
| 1995 | 7.8 | 151.8 | 23.5 | 5.1 | 2.3 | 1.3 | 20.4 | 52.6 | 0.0 | 77.5 | 0.0 | 0.0 | 49.4 | 339.2 | R 111.5 | R 450.7 |
| 1996 | 8.4 | 148.0 | 19.8 | 4.8 | 2.4 | 0.7 | 47.3 | 74.9 | 0.0 | 82.2 | 0.0 | 0.0 | 51.7 | 365.1 | R 116.7 | R 481.8 |
| 1997 | 7.0 | 153.9 | 23.3 | 4.2 | 2.5 | 0.1 | 50.6 | 80.7 | 0.0 | 84.0 | 0.0 | 0.0 | 53.3 | 378.9 | R 120.1 | R 499.0 |
| 1998 | 7.0 | 153.1 | 22.2 | 3.3 | 3.4 | (s) | 48.9 | 77.8 | 0.0 | 79.4 | 0.0 | 0.0 | 54.8 | 372.1 | R 123.5 | R 495.6 |
| 1999 | 7.9 | 142.1 | 20.6 | 7.1 | 2.9 | 0.1 | 49.7 | 80.2 | 0.0 | 79.4 | 0.0 | (s) | 56.9 | 366.6 | R 129.4 | R 496.0 |
| 2000 | 9.6 | 134.8 | 23.4 | 11.8 | 2.9 | 0.1 | 48.6 | 86.8 | 0.0 | 80.6 | 0.0 | (s) | 58.9 | 370.8 | R 133.3 | R 504.0 |
| 2001 | 10.9 | 125.5 | 26.7 | 9.9 | 4.9 | 1.3 | 39.0 | 81.8 | 0.0 | 64.0 | 0.0 | (s) | 57.1 | 339.3 | R 126.5 | R 465.8 |
| 2002 | 10.5 | 122.8 | 25.3 | 5.4 | 5.2 | 0.3 | 50.9 | 87.2 | 0.0 | 70.1 | 0.0 | (s) | 57.6 | 348.2 | R 127.7 | R 475.9 |
| 2003 | 10.1 | 115.7 | 30.1 | 4.0 | 5.6 | 1.2 | 47.2 | 88.1 | 0.0 | 70.3 | 0.0 | (s) | 57.8 | 342.2 | R 126.8 | R 469.0 |
| 2004 | 10.1 | 103.4 | 32.5 | 4.1 | 6.6 | 2.8 | 44.5 | 90.5 | 0.0 | 70.5 | 0.0 | (s) | 59.1 | 333.6 | R 130.0 | R 463.6 |
| 2005 | 9.3 | 91.4 | 40.1 | 3.2 | 6.4 | 0.2 | 40.1 | 90.0 | 0.0 | 72.5 | 0.0 | (s) | 60.3 | 323.5 | R 131.1 | R 454.5 |
| 2006 | 9.1 | 92.2 | 40.5 | 3.5 | 7.0 | (s) | R 33.6 | R 84.6 | 0.0 | R 77.4 | 0.0 | (s) | 61.4 | R 324.7 | R 132.0 | R 456.7 |
| 2007 | 9.8 | 87.7 | 41.3 | 3.8 | 5.0 | 0.4 | R 32.0 | R 82.5 | 0.0 | R 80.0 | 0.0 | (s) | 60.9 | R 320.9 | R 130.6 | R 451.4 |
| 2008 | 9.6 | 88.9 | R 43.2 | 3.1 | 3.6 | 0.3 | R 23.5 | R 73.7 | 0.0 | R 67.9 | 0.0 | (s) | 58.1 | R 298.2 | R 124.4 | R 422.6 |
| 2009 | 7.4 | 83.1 | 26.5 | 2.8 | 3.6 | 0.3 | 21.3 | 54.5 | 0.0 | 71.7 | 0.0 | (s) | 50.2 | 266.9 | 105.6 | 372.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | 9 | 177 | 926 | 2,237 | 309 | 274 | 14,093 | 3 | 18,019 | 0 | – – | – – | – – |
| 1965 | (s) | 11 | 482 | 1,703 | 2,094 | 434 | 305 | 17,310 | 36 | 22,364 | 0 | – – | – – | – – |
| 1970 | 0 | 13 | 293 | 3,383 | 2,204 | 692 | 300 | 21,985 | 5 | 28,862 | 0 | – – | – – | – – |
| 1975 | (s) | 12 | 254 | 6,410 | 1,995 | 679 | 308 | 27,299 | 11 | 36,957 | 0 | – – | – – | – – |
| 1980 | 0 | 11 | 275 | 6,699 | 2,035 | 205 | 432 | 26,276 | 0 | 35,922 | 0 | – – | – – | – – |
| 1985 | 0 | 8 | 86 | 7,690 | 2,030 | 147 | 393 | 25,857 | 0 | 36,203 | 0 | – – | – – | – – |
| 1990 | 0 | 9 | 125 | 9,722 | 1,693 | 83 | 442 | 28,438 | 0 | 40,503 | 0 | – – | – – | – – |
| 1995 | 0 | 11 | 143 | 12,569 | 1,179 | 51 | 422 | 31,644 | 0 | 46,008 | 0 | – – | – – | – – |
| 1996 | 0 | 13 | 121 | 13,066 | 1,534 | 45 | 410 | 31,599 | 0 | 46,775 | 0 | – – | – – | – – |
| 1997 | 0 | 12 | 135 | 13,582 | 1,539 | 42 | 433 | 32,684 | 0 | 48,415 | 0 | – – | – – | – – |
| 1998 | 0 | 10 | 122 | 14,345 | 1,528 | 33 | 453 | 32,585 | 0 | 49,066 | 0 | – – | – – | – – |
| 1999 | 0 | 9 | 118 | 13,824 | 4,575 | 457 | 458 | 33,120 | 0 | 52,552 | 0 | – – | – – | – – |
| 2000 | 0 | 9 | 93 | 14,346 | 4,868 | 93 | 451 | 32,719 | 0 | 52,570 | 0 | – – | – – | – – |
| 2001 | 0 | 9 | 183 | 15,633 | 1,036 | 89 | 413 | 32,280 | 0 | 49,634 | 0 | – – | – – | – – |
| 2002 | 0 | 8 | 118 | 16,811 | 794 | 54 | 408 | 32,995 | 0 | 51,180 | 0 | – – | – – | – – |
| 2003 | 0 | 9 | 103 | 16,075 | 822 | 47 | 377 | 33,173 | 0 | 50,597 | 0 | – – | – – | – – |
| 2004 | 0 | 8 | 127 | 17,189 | 722 | 51 | 382 | 33,267 | 0 | 51,739 | R 0 | – – | – – | – – |
| 2005 | 0 | 9 | 67 | 16,739 | 1,251 | 83 | 380 | 33,139 | 1 | 51,661 | R 0 | – – | – – | – – |
| 2006 | 0 | 11 | 111 | 16,529 | 1,183 | 81 | 371 | 33,079 | 0 | 51,352 | R 0 | – – | – – | – – |
| 2007 | 0 | 10 | 110 | 16,825 | 1,226 | 59 | 383 | 33,889 | 0 | 52,491 | R 0 | – – | – – | – – |
| 2008 | 0 | 10 | 87 | R 17,164 | 1,085 | R 154 | 355 | 33,338 | 0 | R 52,183 | (s) | – – | – – | – – |
| 2009 | 0 | 9 | 110 | 16,340 | 800 | 77 | 319 | 33,977 | 0 | 51,623 | (s) | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 9.5 | 0.9 | 5.4 | 12.0 | 1.2 | 1.7 | 74.0 | (s) | 95.2 | 0.0 | 104.7 | 0.0 | 104.7 |
| 1965 | (s) | 11.4 | 2.4 | 9.9 | 11.2 | 1.7 | 1.8 | 90.9 | 0.2 | 118.3 | 0.0 | 129.7 | 0.0 | 129.7 |
| 1970 | 0.0 | 13.5 | 1.5 | 19.7 | 11.9 | 2.6 | 1.8 | 115.5 | (s) | 153.0 | 0.0 | 166.5 | 0.0 | 166.5 |
| 1975 | (s) | 12.2 | 1.3 | 37.3 | 10.8 | 2.5 | 1.9 | 143.4 | 0.1 | 197.3 | 0.0 | 209.4 | 0.0 | 209.4 |
| 1980 | 0.0 | 11.4 | 1.4 | 39.0 | 11.0 | 0.8 | 2.6 | 138.0 | 0.0 | 192.9 | 0.0 | 204.2 | 0.0 | 204.2 |
| 1985 | 0.0 | 8.3 | 0.4 | 44.8 | 11.0 | 0.5 | 2.4 | 135.8 | 0.0 | 195.0 | 0.0 | 203.4 | 0.0 | 203.4 |
| 1990 | 0.0 | 8.7 | 0.6 | 56.6 | 9.2 | 0.3 | 2.7 | 149.4 | 0.0 | 218.9 | 0.0 | 228.1 | 0.0 | 228.1 |
| 1995 | 0.0 | 12.5 | 0.7 | 73.2 | 6.7 | 0.2 | 2.6 | 165.0 | 0.0 | 248.4 | 0.0 | 260.8 | 0.0 | 260.8 |
| 1996 | 0.0 | 12.9 | 0.6 | 76.1 | 8.7 | 0.2 | 2.5 | 164.8 | 0.0 | 252.9 | 0.0 | 265.8 | 0.0 | 265.8 |
| 1997 | 0.0 | 11.8 | 0.7 | 79.1 | 8.7 | 0.2 | 2.6 | 170.4 | 0.0 | 261.7 | 0.0 | 273.5 | 0.0 | 273.5 |
| 1998 | 0.0 | 10.5 | 0.6 | 83.6 | 8.7 | 0.1 | 2.7 | 169.8 | 0.0 | 265.5 | 0.0 | 276.1 | 0.0 | 276.1 |
| 1999 | 0.0 | 9.2 | 0.6 | 80.5 | 25.9 | 1.7 | 2.8 | 172.6 | 0.0 | 284.1 | 0.0 | 293.3 | 0.0 | 293.3 |
| 2000 | 0.0 | 9.0 | 0.5 | 83.6 | 27.6 | 0.3 | 2.7 | 170.5 | 0.0 | 285.2 | 0.0 | 294.2 | 0.0 | 294.2 |
| 2001 | 0.0 | 8.9 | 0.9 | 91.1 | 5.9 | 0.3 | 2.5 | 168.2 | 0.0 | 268.9 | 0.0 | 277.8 | 0.0 | 277.8 |
| 2002 | 0.0 | 8.2 | 0.6 | 97.9 | 4.5 | 0.2 | 2.5 | 171.8 | 0.0 | 277.5 | 0.0 | 285.7 | 0.0 | 285.7 |
| 2003 | 0.0 | 8.8 | 0.5 | 93.6 | 4.7 | 0.2 | 2.3 | 172.7 | 0.0 | 274.0 | 0.0 | 282.8 | 0.0 | 282.8 |
| 2004 | 0.0 | 8.0 | 0.6 | 100.1 | 4.1 | 0.2 | 2.3 | 173.5 | 0.0 | 280.9 | R 0.0 | 288.9 | R 0.0 | 288.9 |
| 2005 | 0.0 | 9.0 | 0.3 | 97.5 | 7.1 | 0.3 | 2.3 | 172.9 | (s) | 280.5 | R 0.0 | 289.5 | R 0.0 | 289.5 |
| 2006 | 0.0 | 11.0 | 0.6 | 96.3 | 6.7 | 0.3 | 2.2 | 172.6 | 0.0 | 278.7 | R 0.0 | 289.7 | R 0.0 | 289.7 |
| 2007 | 0.0 | 10.2 | 0.6 | 98.0 | 7.0 | 0.2 | 2.3 | 176.9 | 0.0 | 284.9 | R 0.0 | 295.2 | R 0.0 | 295.2 |
| 2008 | 0.0 | 10.0 | 0.4 | R 100.0 | 6.2 | R 0.6 | 2.2 | 174.0 | 0.0 | R 283.2 | (s) | R 293.3 | (s) | R 293.3 |
| 2009 | 0.0 | 9.2 | 0.6 | 95.2 | 4.5 | 0.3 | 1.9 | 177.3 | 0.0 | 279.8 | (s) | 289.0 | (s) | 289.0 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Arkansas

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 47 | 118 | 1 | 0 | 119 | 0 | 992 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 0 | 68 | 38 | (s) | 0 | 38 | 0 | 1,080 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 0 | 107 | 698 | 8 | 0 | 705 | 0 | 2,160 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 0 | 32 | 4,365 | 62 | 0 | 4,427 | 4,874 | 3,433 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 1,774 | 59 | 3,106 | 180 | 0 | 3,285 | 7,833 | 1,695 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 12,302 | 11 | 8 | 12 | 0 | 21 | 9,889 | 4,434 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 11,836 | 32 | 15 | 140 | 0 | 155 | 11,282 | 3,655 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 13,216 | 33 | 15 | 94 | 0 | 109 | 11,658 | 3,218 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 14,467 | 34 | 81 | 97 | 0 | 179 | 13,357 | 2,797 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 13,772 | 25 | 27 | 100 | 0 | 127 | 14,208 | 3,516 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 14,276 | 41 | 100 | 179 | 0 | 279 | 13,097 | 3,117 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 14,974 | 40 | 92 | 167 | 0 | 260 | 12,920 | 2,694 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 14,866 | 35 | 293 | 67 | 0 | 360 | 11,652 | 2,370 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 15,110 | 26 | 1,340 | 82 | 0 | 1,421 | 14,781 | 2,548 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 14,165 | 42 | 180 | 69 | 0 | 249 | 14,559 | 3,436 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 14,310 | 56 | 382 | 71 | 0 | 453 | 14,689 | 2,655 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 15,318 | 40 | 742 | 62 | 0 | 805 | 15,450 | 3,643 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 14,031 | 49 | 230 | 72 | 0 | 302 | 13,690 | 3,083 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 14,614 | 71 | 219 | 48 | 0 | 267 | 15,233 | 1,551 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 15,629 | 64 | 70 | 63 | 0 | 133 | 15,486 | 3,237 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 15,678 | 64 | 54 | 44 | 0 | 98 | 14,168 | 4,660 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 14,994 | 83 | 77 | 64 | 0 | 142 | 15,170 | 4,193 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 48.4 | 0.7 | (s) | 0.0 | 0.7 | 0.0 | 10.7 | 0.0 | 0.0 | NA | NA | 0.0 | 59.8 |
| 1965 | 0.0 | 67.6 | 0.2 | (s) | 0.0 | 0.2 | 0.0 | 11.3 | 0.0 | 0.0 | NA | NA | 0.0 | 79.1 |
| 1970 | 0.0 | 107.9 | 4.4 | (s) | 0.0 | 4.4 | 0.0 | 22.7 | 0.0 | 0.0 | NA | NA | 0.0 | 135.0 |
| 1975 | 0.0 | 32.2 | 27.4 | 0.4 | 0.0 | 27.8 | 53.7 | 35.7 | 0.0 | 0.0 | NA | NA | 0.0 | 149.4 |
| 1980 | 30.2 | 60.4 | 19.5 | 1.0 | 0.0 | 20.6 | 85.4 | 17.6 | 0.0 | 0.0 | NA | NA | 0.0 | 214.2 |
| 1985 | 211.7 | 12.0 | 0.1 | 0.1 | 0.0 | 0.1 | 105.0 | 46.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 375.2 |
| 1990 | 206.9 | 32.7 | 0.1 | 0.8 | 0.0 | 0.9 | 119.4 | 38.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 397.8 |
| 1995 | 229.5 | 33.4 | 0.1 | 0.5 | 0.0 | 0.6 | 122.5 | 33.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 419.2 |
| 1996 | 251.7 | 34.8 | 0.5 | 0.6 | 0.0 | 1.1 | 140.3 | 28.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 456.8 |
| 1997 | 239.8 | 25.4 | 0.2 | 0.6 | 0.0 | 0.8 | 149.1 | 35.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 451.0 |
| 1998 | 247.7 | 41.4 | 0.6 | 1.0 | 0.0 | 1.7 | 137.4 | 31.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 459.9 |
| 1999 | 259.1 | 41.1 | 0.6 | 1.0 | 0.0 | 1.6 | 135.0 | 27.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 464.3 |
| 2000 | 258.0 | 35.3 | 1.8 | 0.4 | 0.0 | 2.2 | 121.5 | 24.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 441.2 |
| 2001 | 263.1 | 27.1 | 8.4 | 0.5 | 0.0 | 8.9 | 154.4 | 26.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 479.7 |
| 2002 | 244.8 | 43.1 | 1.1 | 0.4 | 0.0 | 1.5 | 152.0 | 35.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 476.4 |
| 2003 | 243.5 | 58.2 | 2.4 | 0.4 | 0.0 | 2.8 | 153.1 | 27.2 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 491.9 |
| 2004 | 260.1 | 41.3 | 4.7 | 0.4 | 0.0 | 5.0 | 161.1 | 36.5 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 506.5 |
| 2005 | 237.9 | 50.4 | 1.4 | 0.4 | 0.0 | 1.9 | 142.9 | 30.8 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 466.0 |
| 2006 | 247.8 | 73.0 | 1.4 | 0.3 | 0.0 | 1.7 | 159.0 | 15.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 497.7 |
| 2007 | 265.2 | 65.2 | 0.4 | 0.4 | 0.0 | 0.8 | 162.4 | 32.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 527.4 |
| 2008 | 269.3 | 66.2 | 0.3 | 0.3 | 0.0 | 0.6 | 148.1 | 45.9 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 532.0 |
| 2009 | 256.7 | 85.3 | 0.5 | 0.4 | 0.0 | 0.9 | 158.7 | 40.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 543.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 1,342 | 1,258 | 26,683 | 25,818 | 8,888 | 137,025 | 80,575 | 46,536 | 325,526 | (s) | 17,445 | NA |
| 1965 | 2,379 | 1,690 | 35,105 | 40,150 | 11,029 | 169,900 | 69,745 | 49,197 | 375,126 | 270 | 30,523 | NA |
| 1970 | 2,327 | 2,126 | 39,221 | 59,614 | 15,532 | 214,064 | 70,324 | 55,062 | 453,818 | 3,132 | 38,082 | NA |
| 1971 | 1,906 | 2,149 | 47,387 | 62,721 | 16,151 | 219,227 | 80,069 | 54,793 | 480,347 | 3,519 | 39,018 | NA |
| 1972 | 1,773 | 2,186 | 46,087 | 63,646 | 17,505 | 232,758 | 78,082 | 58,268 | 496,347 | 3,175 | 31,755 | NA |
| 1973 | 2,500 | 2,046 | 51,869 | 62,947 | 18,926 | 240,789 | 112,710 | 61,659 | 548,900 | 2,631 | 38,754 | NA |
| 1974 | 2,268 | 1,834 | 43,775 | 60,344 | 20,312 | 235,468 | 99,002 | 61,275 | 520,177 | 3,698 | 46,422 | NA |
| 1975 | 2,151 | 1,833 | 42,335 | 62,607 | 19,264 | 241,508 | 111,086 | 59,924 | 536,724 | 6,071 | 40,103 | NA |
| 1976 | 2,612 | 1,757 | 45,810 | 61,059 | 19,100 | 252,646 | 138,117 | 64,152 | 580,884 | 4,807 | 23,193 | NA |
| 1977 | 2,984 | 1,772 | 51,755 | 63,229 | 17,300 | 266,288 | 172,411 | 71,498 | 642,480 | 8,115 | 14,251 | NA |
| 1978 | 2,732 | 1,563 | 60,214 | 64,648 | 19,594 | 278,182 | 155,636 | 75,454 | 653,729 | 7,659 | 37,206 | NA |
| 1979 | 2,734 | 1,810 | 66,872 | 65,874 | 23,149 | 269,423 | 156,981 | 85,528 | 667,826 | 8,762 | 33,920 | NA |
| 1980 | 2,669 | 1,808 | 62,277 | 63,201 | 19,197 | 253,593 | 148,701 | 75,195 | 622,165 | 4,920 | 40,780 | NA |
| 1981 | 3,231 | 1,858 | 67,523 | 59,089 | 17,123 | 252,914 | 130,662 | 50,223 | 577,532 | 3,206 | 29,764 | 410 |
| 1982 | 2,864 | 1,683 | 67,264 | 56,541 | 16,270 | 249,912 | 81,658 | 49,896 | 521,540 | 3,735 | 50,226 | 1,103 |
| 1983 | 1,456 | 1,535 | 68,093 | 57,359 | 16,259 | 256,139 | 68,521 | 74,154 | 540,526 | 5,613 | 56,885 | 1,118 |
| 1984 | 1,669 | 1,670 | 75,417 | 66,640 | 20,667 | 265,187 | 76,540 | 79,154 | 583,605 | 14,144 | 43,159 | 901 |
| 1985 | 1,942 | 1,846 | 71,538 | 67,028 | 20,497 | 267,368 | 66,724 | 75,749 | 568,904 | 19,729 | 31,717 | 429 |
| 1986 | 1,865 | 1,531 | 74,668 | 75,176 | 20,119 | 279,569 | 58,047 | 73,895 | 581,474 | 26,215 | 41,459 | 411 |
| 1987 | 1,934 | 1,935 | 68,393 | 79,857 | 22,328 | 292,909 | 66,638 | 75,899 | 606,024 | 30,387 | 24,564 | 616 |
| 1988 | 2,209 | 1,804 | 81,954 | 82,620 | 22,798 | 303,621 | 68,917 | 81,192 | 641,101 | 30,863 | 23,474 | 1,189 |
| 1989 | 3,052 | 1,975 | 80,510 | 90,291 | 24,697 | 310,918 | 67,223 | 78,352 | 651,991 | 32,519 | 30,801 | 1,067 |
| 1990 | 3,809 | 2,036 | 77,233 | 94,907 | 19,992 | 305,983 | 64,095 | 78,125 | 640,335 | 32,693 | 23,793 | 1,133 |
| 1991 | 4,002 | 2,150 | 74,857 | 90,064 | 18,596 | 298,698 | 45,310 | 67,522 | 595,047 | 31,542 | 21,957 | 1,424 |
| 1992 | 4,062 | 2,229 | 69,190 | 86,688 | 21,088 | 315,643 | 34,315 | 70,692 | 597,616 | 35,244 | 20,167 | 158 |
| 1993 | 3,816 | 2,136 | 64,985 | 89,244 | 16,655 | 308,726 | 37,167 | 64,889 | 581,666 | 31,581 | 40,493 | 575 |
| 1994 | 3,703 | 2,282 | 72,385 | 98,793 | 18,099 | 307,653 | 41,932 | 68,841 | 607,704 | 33,752 | 23,013 | 810 |
| 1995 | 3,675 | 2,077 | 73,050 | 95,304 | 14,798 | 313,464 | 46,248 | 66,550 | 609,415 | 30,246 | 48,033 | 2,523 |
| 1996 | 3,444 | 1,955 | 73,677 | 103,773 | 10,914 | 318,257 | 40,283 | 71,219 | 618,122 | 34,097 | 44,751 | 2,128 |
| 1997 | 3,628 | 2,146 | 79,624 | 103,188 | 8,854 | 322,871 | 21,420 | 68,918 | 604,874 | 30,512 | 41,055 | 2,134 |
| 1998 | 2,903 | 2,310 | 78,526 | 105,482 | 10,936 | 329,943 | 17,194 | 67,773 | 609,854 | 34,594 | 49,548 | 1,610 |
| 1999 | 3,005 | 2,340 | 82,748 | 98,673 | 12,171 | 337,791 | 23,794 | 73,346 | 628,524 | 33,372 | 40,737 | 1,395 |
| 2000 | 2,954 | 2,509 | 93,456 | 103,001 | 12,558 | 342,890 | 33,734 | 68,472 | 654,112 | 35,176 | 38,334 | 1,589 |
| 2001 | 2,834 | 2,465 | 97,376 | 97,216 | 11,060 | 351,981 | 25,470 | 78,628 | 661,731 | 33,220 | 25,542 | 2,205 |
| 2002 | 2,943 | 2,273 | 89,580 | 102,756 | 14,696 | 369,567 | 30,768 | 78,424 | 685,790 | 34,352 | 31,141 | 2,587 |
| 2003 | 2,866 | 2,269 | 121,454 | 99,721 | 14,689 | 367,675 | 23,421 | 74,277 | 701,238 | 35,594 | 36,371 | 14,411 |
| 2004 | 2,847 | 2,407 | 94,023 | 105,408 | 14,831 | 376,075 | 27,786 | 75,016 | 693,139 | 30,268 | 34,141 | 20,813 |
| 2005 | 2,849 | 2,248 | 96,902 | 104,612 | 12,375 | 381,301 | 33,939 | 76,128 | 705,257 | 36,155 | 39,632 | 22,769 |
| 2006 | 2,771 | 2,316 | 99,305 | 106,403 | 12,090 | 383,178 | 37,731 | R 70,368 | R 709,075 | 31,959 | 48,047 | 22,497 |
| 2007 | 2,779 | 2,396 | 99,024 | 110,794 | 11,505 | 380,780 | 39,680 | R 71,527 | R 713,309 | 35,792 | 27,328 | 23,591 |
| 2008 | 2,681 | R 2,405 | R 93,839 | 100,836 | 16,741 | 364,468 | 41,494 | R 61,511 | R 678,889 | 32,482 | 24,128 | 23,960 |
| 2009 | 2,209 | 2,329 | 90,415 | 97,985 | 17,126 | 357,712 | 38,606 | 55,309 | 657,152 | 31,764 | 27,888 | 23,608 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, California

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 35.9 | 1,301.8 | 155.4 | 140.7 | 35.7 | 719.8 | 506.6 | 280.6 | 1,838.7 | 3,176.4 | *1,301.8* | *719.8* |
| 1965 | 63.7 | 1,813.2 | 204.5 | 222.2 | 44.2 | 892.5 | 438.5 | 296.3 | 2,098.2 | 3,975.1 | *1,813.2* | *892.5* |
| 1970 | 61.8 | 2,241.3 | 228.5 | 332.9 | 58.7 | 1,124.5 | 442.1 | 331.5 | 2,518.2 | 4,821.3 | *2,241.3* | *1,124.5* |
| 1971 | 51.0 | 2,265.3 | 276.0 | 350.3 | 60.9 | 1,151.6 | 503.4 | 329.9 | 2,672.2 | 4,988.5 | *2,265.3* | *1,151.6* |
| 1972 | 47.5 | 2,303.6 | 268.5 | 355.9 | 65.8 | 1,222.7 | 490.9 | 350.4 | 2,754.2 | 5,105.2 | *2,303.6* | *1,222.7* |
| 1973 | 67.0 | 2,154.0 | 302.1 | 352.5 | 70.9 | 1,264.9 | 708.6 | 371.4 | 3,070.4 | 5,291.4 | *2,154.0* | *1,264.9* |
| 1974 | 60.7 | 1,937.1 | 255.0 | 337.6 | 75.8 | 1,236.9 | 622.4 | 367.8 | 2,895.5 | 4,893.3 | *1,937.1* | *1,236.9* |
| 1975 | 56.4 | 1,937.3 | 246.6 | 350.7 | 71.6 | 1,268.6 | 698.4 | 361.4 | 2,997.3 | 4,991.0 | *1,937.3* | *1,268.6* |
| 1976 | 66.6 | 1,849.7 | 266.8 | 342.1 | 70.9 | 1,327.1 | 868.3 | 387.2 | 3,262.5 | 5,178.9 | *1,849.7* | *1,327.1* |
| 1977 | 75.1 | 1,864.2 | 301.5 | 354.3 | 63.6 | 1,398.8 | 1,083.9 | 431.3 | 3,633.4 | 5,572.7 | *1,864.2* | *1,398.8* |
| 1978 | 67.9 | 1,646.3 | 350.7 | 362.6 | 71.9 | 1,461.3 | 978.5 | 454.4 | 3,679.3 | 5,393.6 | *1,646.3* | *1,461.3* |
| 1979 | 68.6 | 1,900.4 | 389.5 | 369.6 | 85.2 | 1,415.3 | 986.9 | 517.7 | 3,764.3 | 5,733.2 | *1,900.4* | *1,415.3* |
| 1980 | 66.2 | 1,890.9 | 362.8 | 354.2 | 70.5 | 1,332.1 | 934.9 | 455.0 | 3,509.6 | 5,466.6 | *1,890.9* | *1,332.1* |
| 1981 | 78.4 | 1,947.4 | 393.3 | 331.3 | 62.4 | 1,328.6 | 821.5 | 306.9 | 3,244.0 | 5,269.8 | *1,947.4* | *1,328.6* |
| 1982 | 69.4 | 1,765.2 | 391.8 | 316.7 | 58.8 | 1,312.8 | 513.4 | 305.0 | 2,898.5 | 4,733.1 | *1,765.2* | *1,312.8* |
| 1983 | 32.0 | 1,601.0 | 396.6 | 321.5 | 58.8 | 1,345.5 | 430.8 | 446.1 | 2,999.2 | 4,632.3 | *1,601.0* | *1,345.5* |
| 1984 | 37.2 | 1,739.8 | 439.3 | 373.5 | 74.4 | 1,393.0 | 481.2 | 475.4 | 3,236.9 | 5,013.9 | *1,739.8* | *1,393.0* |
| 1985 | 45.3 | 1,925.5 | 416.7 | 375.8 | 73.8 | 1,404.5 | 419.5 | 458.2 | 3,148.5 | 5,119.3 | *1,925.5* | *1,404.5* |
| 1986 | 42.5 | 1,591.0 | 434.9 | 422.1 | 73.2 | 1,468.6 | 364.9 | 451.3 | 3,215.1 | 4,848.6 | *1,591.0* | *1,468.6* |
| 1987 | 45.0 | 1,993.0 | 398.4 | 448.8 | 81.7 | 1,538.6 | 419.0 | 461.4 | 3,347.8 | 5,385.7 | *1,993.0* | *1,538.6* |
| 1988 | 50.8 | 1,860.4 | 477.4 | 464.2 | 83.3 | 1,594.9 | 433.3 | 490.7 | 3,543.7 | 5,454.9 | *1,860.4* | *1,594.9* |
| 1989 | 66.4 | 2,047.8 | 469.0 | 507.8 | 91.0 | 1,633.3 | 422.6 | 472.3 | 3,595.9 | 5,710.2 | *2,047.8* | *1,633.3* |
| 1990 | 84.2 | 2,101.6 | 449.9 | 534.7 | 72.5 | 1,607.3 | 403.0 | 471.0 | 3,538.3 | 5,724.1 | *2,101.6* | *1,607.3* |
| 1991 | 89.5 | 2,208.3 | 436.0 | 508.1 | 67.2 | 1,569.1 | 284.9 | 410.4 | 3,275.6 | 5,573.5 | *2,208.3* | *1,569.1* |
| 1992 | 91.5 | 2,294.1 | 403.0 | 489.5 | 76.4 | 1,658.1 | 215.7 | 426.6 | 3,269.5 | 5,655.1 | *2,294.1* | *1,658.1* |
| 1993 | 84.7 | 2,213.1 | 378.5 | 504.7 | 60.1 | 1,619.7 | 233.7 | 393.0 | R 3,189.8 | R 5,487.6 | *2,213.1* | *1,621.7* |
| 1994 | 84.6 | 2,334.8 | 421.6 | 560.1 | 65.8 | R 1,606.2 | 263.6 | 416.5 | R 3,333.9 | R 5,753.3 | *2,334.8* | *1,609.0* |
| 1995 | 84.3 | 2,110.0 | 425.5 | 540.4 | 53.6 | R 1,626.0 | 290.8 | 403.2 | R 3,339.4 | R 5,533.7 | *2,110.0* | *1,634.7* |
| 1996 | 80.3 | 2,017.7 | 429.2 | 588.4 | 39.4 | R 1,652.6 | 253.3 | 431.9 | R 3,394.7 | R 5,492.8 | *2,017.7* | *1,660.0* |
| 1997 | 82.7 | 2,185.0 | 463.8 | 585.1 | 32.0 | R 1,675.7 | 134.7 | 417.7 | R 3,309.0 | R 5,576.6 | *2,185.0* | *1,683.1* |
| 1998 | 66.2 | 2,418.7 | 457.4 | 598.1 | 39.5 | R 1,714.1 | 108.1 | 414.2 | R 3,331.4 | R 5,816.3 | *2,418.7* | *1,719.7* |
| 1999 | 69.5 | 2,379.6 | 482.0 | 559.5 | 44.0 | R 1,755.4 | 149.6 | 449.9 | R 3,440.4 | R 5,889.5 | *2,379.6* | *1,760.2* |
| 2000 | 70.0 | 2,456.4 | 544.4 | 584.0 | 45.3 | R 1,780.9 | 212.1 | 421.7 | R 3,588.4 | R 6,114.9 | *2,456.4* | *1,786.5* |
| 2001 | 67.8 | 2,513.9 | 567.2 | 551.2 | 40.0 | R 1,826.2 | 160.1 | 478.4 | R 3,623.1 | R 6,204.7 | *2,513.9* | *1,833.8* |
| 2002 | 70.0 | 2,318.7 | 521.8 | 582.6 | 53.1 | R 1,915.7 | 193.4 | 476.3 | R 3,743.0 | R 6,131.6 | *2,318.7* | *1,924.7* |
| 2003 | 69.5 | 2,317.1 | 707.5 | 565.4 | 53.3 | R 1,864.5 | 147.2 | 448.6 | R 3,786.5 | R 6,173.1 | *2,317.1* | *1,914.5* |
| 2004 | 68.9 | 2,462.2 | 547.7 | 597.7 | 53.7 | R 1,889.0 | 174.7 | 453.2 | R 3,715.9 | R 6,247.1 | *2,462.2* | *1,961.2* |
| 2005 | 67.4 | 2,304.5 | 564.5 | 593.1 | 44.8 | R 1,910.6 | 213.4 | 459.5 | R 3,785.8 | R 6,157.7 | *2,304.5* | *1,989.6* |
| 2006 | 67.0 | 2,375.9 | 578.5 | 603.3 | 43.6 | R 1,921.4 | 237.2 | R 427.5 | R 3,811.4 | R 6,254.3 | *2,375.9* | *1,999.4* |
| 2007 | 66.5 | 2,441.2 | 576.8 | 628.2 | 41.3 | R 1,905.4 | 249.5 | R 436.3 | R 3,837.5 | R 6,345.2 | *2,441.2* | *1,987.3* |
| 2008 | 63.1 | R 2,475.0 | R 546.6 | 571.7 | 60.3 | R 1,818.7 | 260.9 | R 375.2 | R 3,633.3 | R 6,171.4 | R *2,475.0* | *1,901.8* |
| 2009 | 52.4 | 2,391.4 | 526.7 | 555.6 | 60.9 | 1,784.8 | 242.7 | 337.6 | 3,508.3 | 5,952.1 | *2,391.4* | *1,866.5* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, California (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | (s) | 187.7 | 82.1 | NA | NA | 82.1 | R 0.4 | NA | NA | R 270.2 | R 6.5 | -1.4 | 3,451.7 |
| 1965 | 3.2 | 319.1 | 97.5 | NA | NA | 97.5 | R 2.0 | NA | NA | R 418.5 | R -2.7 | (s) | R 4,394.1 |
| 1970 | 34.4 | 399.6 | 116.8 | NA | NA | 116.8 | R 5.5 | NA | NA | R 522.0 | R 137.2 | (s) | R 5,514.8 |
| 1971 | 38.1 | 408.8 | 119.2 | NA | NA | 119.2 | R 5.7 | NA | NA | R 533.8 | R 204.0 | (s) | R 5,764.4 |
| 1972 | 34.3 | 329.6 | 127.6 | NA | NA | 127.6 | R 15.1 | NA | NA | R 472.3 | R 280.0 | 0.0 | R 5,891.8 |
| 1973 | 28.7 | 402.6 | 130.1 | NA | NA | 130.1 | R 20.4 | NA | NA | R 553.2 | R 195.8 | (s) | R 6,069.0 |
| 1974 | 41.3 | 484.7 | 134.7 | NA | NA | 134.7 | R 25.6 | NA | NA | R 645.1 | R 259.7 | 0.0 | R 5,839.4 |
| 1975 | 66.9 | 417.3 | 127.5 | NA | NA | 127.5 | R 33.8 | NA | NA | R 578.6 | R 417.2 | 0.0 | R 6,053.6 |
| 1976 | 53.1 | 240.6 | 144.8 | NA | NA | 144.8 | R 37.5 | NA | NA | R 422.9 | R 549.3 | 0.0 | R 6,204.1 |
| 1977 | 87.4 | 148.7 | 152.0 | NA | NA | 152.0 | R 37.4 | NA | NA | R 338.1 | R 385.4 | 0.0 | R 6,383.6 |
| 1978 | 83.8 | 385.5 | 160.3 | NA | NA | 160.3 | R 30.9 | NA | NA | R 576.6 | R 443.6 | 0.0 | R 6,497.6 |
| 1979 | 95.3 | 351.2 | 168.4 | NA | NA | 168.4 | R 40.3 | NA | NA | R 559.8 | R 369.6 | 0.0 | R 6,758.0 |
| 1980 | 53.7 | 423.6 | 115.6 | NA | NA | 115.6 | R 52.7 | NA | NA | R 591.9 | R 460.2 | 0.3 | R 6,572.8 |
| 1981 | 35.4 | 311.1 | 131.7 | 1.4 | 0.0 | 133.1 | R 59.4 | NA | NA | R 503.7 | R 556.5 | (s) | R 6,365.3 |
| 1982 | 41.4 | 525.1 | 123.3 | 3.8 | 0.0 | R 127.1 | R 50.6 | NA | NA | R 702.8 | R 623.1 | (s) | R 6,100.4 |
| 1983 | 61.2 | 598.4 | 144.8 | 3.9 | 0.0 | R 148.6 | R 63.9 | NA | (s) | R 811.0 | R 607.9 | 0.1 | R 6,112.5 |
| 1984 | 153.4 | 450.6 | 162.7 | 3.1 | 0.0 | R 165.9 | R 80.2 | 0.1 | (s) | R 696.7 | R 692.8 | 0.2 | R 6,557.1 |
| 1985 | 209.6 | 331.3 | 165.3 | 1.5 | 0.3 | 167.1 | R 96.1 | 0.1 | (s) | R 594.7 | R 687.3 | 13.8 | R 6,624.7 |
| 1986 | 277.3 | 433.1 | 127.4 | 1.4 | 0.3 | R 129.1 | R 105.7 | 0.1 | (s) | R 668.1 | R 722.7 | 12.9 | R 6,529.6 |
| 1987 | 317.3 | 255.9 | 155.5 | 2.1 | 0.3 | R 157.9 | R 110.4 | 0.1 | (s) | R 524.4 | R 712.6 | 26.4 | R 6,966.5 |
| 1988 | 327.2 | 242.3 | 164.6 | 4.1 | 0.3 | R 169.0 | R 104.4 | 0.1 | (s) | R 515.9 | R 849.1 | 24.9 | R 7,172.0 |
| 1989 | 344.1 | 321.3 | 231.9 | 3.7 | 0.3 | R 235.9 | R 143.7 | 19.8 | 21.7 | R 742.3 | R 637.5 | 14.4 | R 7,448.5 |
| 1990 | 346.0 | 247.5 | 218.4 | 3.9 | 0.2 | R 222.6 | R 152.1 | R 22.1 | 28.7 | R 673.0 | R 789.3 | 15.8 | R 7,548.2 |
| 1991 | 330.7 | 229.1 | 214.0 | 4.9 | 0.3 | R 219.2 | R 155.5 | R 23.9 | 30.4 | R 658.2 | R 816.3 | 10.2 | R 7,388.8 |
| 1992 | 369.0 | 208.6 | 225.7 | 0.5 | 0.3 | 226.6 | R 154.1 | R 23.6 | 29.6 | R 642.5 | R 695.8 | 7.1 | R 7,369.5 |
| 1993 | 331.7 | 417.4 | 191.7 | 2.0 | 0.3 | R 194.0 | R 155.6 | R 24.7 | 30.8 | R 822.5 | R 569.3 | 6.7 | R 7,217.8 |
| 1994 | 352.8 | 237.4 | 192.7 | 2.8 | 0.3 | 195.9 | R 142.6 | R 25.2 | 34.9 | R 636.1 | R 607.8 | 7.0 | R 7,357.0 |
| 1995 | 317.8 | 495.3 | 172.9 | 8.8 | 0.3 | R 182.0 | R 120.1 | R 25.4 | 31.8 | R 854.6 | R 662.0 | 5.9 | R 7,374.0 |
| 1996 | 358.1 | 462.7 | 167.6 | 7.4 | 0.1 | R 175.1 | R 129.7 | R 25.6 | 31.8 | R 825.0 | R 791.2 | 4.2 | R 7,471.2 |
| 1997 | 320.2 | 419.3 | 151.2 | 7.4 | 0.2 | R 158.9 | R 132.2 | R 25.1 | 32.0 | R 767.5 | R 910.8 | 4.5 | R 7,579.6 |
| 1998 | 362.9 | 505.2 | 141.1 | 5.6 | 0.3 | R 146.9 | R 133.4 | R 24.6 | 28.1 | R 838.3 | R 823.8 | -2.1 | R 7,839.2 |
| 1999 | 348.7 | 416.6 | 151.5 | 4.8 | 0.2 | R 156.5 | R 135.3 | R 24.0 | 33.0 | R 765.5 | R 834.5 | 0.6 | R 7,838.9 |
| 2000 | 366.8 | 391.0 | 159.2 | 5.5 | 0.3 | R 165.0 | R 127.6 | R 23.1 | 35.9 | R 742.6 | R 751.8 | 11.5 | R 7,987.7 |
| 2001 | 346.9 | 263.9 | 156.1 | 7.7 | 0.3 | R 164.1 | R 128.1 | R 23.1 | 36.2 | R 615.4 | R 817.8 | 10.4 | R 7,995.2 |
| 2002 | 358.7 | 316.8 | 162.1 | 9.0 | 0.4 | R 171.5 | R 135.2 | R 22.5 | 38.7 | R 684.7 | R 853.7 | 6.4 | R 8,035.1 |
| 2003 | 370.9 | 372.5 | 155.3 | 50.0 | 0.5 | R 205.8 | R 134.8 | R 22.0 | 39.9 | R 775.0 | R 875.0 | 14.1 | R 8,208.1 |
| 2004 | 315.6 | 342.2 | 155.8 | 72.2 | 0.5 | R 228.4 | R 133.3 | R 22.3 | 43.2 | R 769.4 | R 999.2 | 4.2 | R 8,335.5 |
| 2005 | 377.3 | 396.3 | 145.6 | 79.0 | 0.9 | R 225.5 | R 132.4 | R 22.0 | 42.6 | R 818.8 | R 955.5 | 18.9 | R 8,328.2 |
| 2006 | 333.5 | 476.6 | R 139.4 | 78.1 | 2.3 | R 219.7 | R 129.3 | R 23.2 | 48.4 | R 897.2 | R 912.0 | 8.1 | R 8,405.2 |
| 2007 | 375.3 | 270.1 | R 138.4 | 81.9 | 5.2 | R 225.4 | R 130.6 | R 25.6 | 55.2 | R 706.8 | R 1,004.5 | 18.8 | R 8,450.6 |
| 2008 | 339.5 | 237.8 | R 139.7 | 83.1 | 5.4 | R 228.3 | R 129.1 | R 29.2 | 53.1 | R 677.5 | R 1,093.2 | R 16.0 | R 8,297.6 |
| 2009 | 332.2 | 272.2 | 140.2 | 81.7 | 2.8 | 224.7 | 127.5 | 31.4 | 57.0 | 712.7 | 999.9 | 8.6 | 8,005.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 1,342 | 935 | 26,563 | 25,818 | 8,888 | 137,025 | 56,644 | 46,536 | 301,475 | (s) | – – | – – | – – | – – | 57,270 | – – | – – | – – |
| 1965 | 2,379 | 1,197 | 35,021 | 40,150 | 11,029 | 169,900 | 53,156 | 49,197 | 358,453 | (s) | – – | – – | – – | – – | 82,687 | – – | – – | – – |
| 1970 | 2,327 | 1,490 | 39,114 | 59,614 | 15,532 | 214,064 | 48,735 | 55,062 | 432,122 | (s) | – – | – – | – – | – – | 118,645 | – – | – – | – – |
| 1975 | 2,151 | 1,558 | 42,186 | 62,509 | 19,264 | 241,508 | 32,740 | 59,924 | 458,132 | 0 | – – | – – | – – | – – | 148,421 | – – | – – | – – |
| 1980 | 2,669 | 1,289 | 60,696 | 62,224 | 19,197 | 253,593 | 86,038 | 75,195 | 556,943 | 0 | – – | – – | – – | – – | 167,567 | – – | – – | – – |
| 1985 | 1,942 | 1,180 | 71,230 | 67,028 | 20,497 | 267,368 | 62,107 | 75,749 | 563,979 | 0 | – – | – – | – – | – – | 184,331 | – – | – – | – – |
| 1990 | 2,899 | 1,408 | 76,969 | 94,907 | 19,992 | 305,983 | 56,926 | 77,307 | 632,083 | 7 | – – | – – | – – | – – | 211,093 | – – | – – | – – |
| 1995 | 2,618 | 1,474 | 72,943 | 95,304 | 14,798 | 313,464 | 45,514 | 63,938 | 605,961 | 4 | – – | – – | – – | – – | 212,605 | – – | – – | – – |
| 2000 | 2,015 | 1,616 | 92,556 | 103,001 | 12,558 | 342,890 | 33,648 | 65,153 | 649,807 | 8 | – – | – – | – – | – – | 244,057 | – – | – – | – – |
| 2001 | 1,937 | 1,491 | 96,004 | 97,216 | 11,060 | 351,981 | 24,978 | 75,429 | 656,668 | 0 | – – | – – | – – | – – | 247,759 | – – | – – | – – |
| 2002 | 1,973 | 1,547 | 89,356 | 102,756 | 14,696 | 369,567 | 30,728 | 75,072 | 682,174 | 0 | – – | – – | – – | – – | 235,213 | – – | – – | – – |
| 2003 | 1,976 | 1,564 | 121,200 | 99,721 | 14,689 | 367,675 | 23,411 | 70,646 | 697,342 | 1 | – – | – – | – – | – – | 243,221 | – – | – – | – – |
| 2004 | 1,922 | 1,636 | 93,790 | 105,408 | 14,831 | 376,075 | 27,786 | 71,542 | 689,432 | (s) | – – | – – | – – | – – | 252,026 | – – | – – | – – |
| 2005 | 1,976 | 1,559 | 96,661 | 104,612 | 12,375 | 381,301 | 33,936 | 72,265 | 701,149 | 5 | – – | – – | – – | – – | 254,250 | – – | – – | – – |
| 2006 | 1,872 | 1,545 | 99,104 | 106,403 | 12,090 | 383,178 | 37,715 | 66,810 | 705,301 | 7 | – – | – – | – – | – – | 262,959 | – – | – – | – – |
| 2007 | 1,818 | 1,561 | 98,855 | 110,794 | 11,505 | 380,780 | 39,662 | 67,970 | 709,566 | 13 | – – | – – | – – | – – | 264,235 | – – | – – | – – |
| 2008 | 1,688 | 1,547 | 93,664 | 100,836 | 16,741 | 364,468 | 41,485 | 58,456 | 675,650 | 0 | – – | – – | – – | – – | 268,155 | – – | – – | – – |
| 2009 | 1,330 | 1,520 | 90,299 | 97,985 | 17,126 | 357,712 | 38,597 | 52,367 | 654,085 | (s) | – – | – – | – – | – – | 259,584 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 35.9 | 967.5 | 154.7 | 140.7 | 35.7 | 719.8 | 356.1 | 280.6 | 1,687.5 | (s) | 82.1 | NA | NA | NA | 195.4 | 2,968.4 | 483.2 | 3,451.7 |
| 1965 | 63.7 | 1,284.5 | 204.0 | 222.2 | 44.2 | 892.5 | 334.2 | 296.3 | 1,993.4 | (s) | 96.8 | NA | NA | NA | 282.1 | 3,720.6 | 673.5 | 4,394.1 |
| 1970 | 61.8 | 1,570.7 | 227.8 | 332.9 | 58.7 | 1,124.5 | 306.4 | 331.5 | 2,381.9 | (s) | 116.3 | NA | NA | NA | 404.8 | 4,535.5 | 979.3 | 5,514.8 |
| 1975 | 56.4 | 1,645.5 | 245.7 | 350.2 | 71.6 | 1,268.6 | 205.8 | 361.4 | 2,503.3 | 0.0 | 127.3 | NA | NA | NA | 506.4 | 4,838.9 | 1,214.7 | 6,053.6 |
| 1980 | 66.2 | 1,345.1 | 353.6 | 348.7 | 70.5 | 1,332.1 | 540.9 | 455.0 | 3,100.8 | 0.0 | 115.4 | NA | NA | NA | 571.7 | 5,199.3 | 1,373.5 | 6,572.8 |
| 1985 | 45.3 | 1,225.2 | 414.9 | 375.8 | 73.8 | 1,404.5 | 390.5 | 458.2 | 3,117.7 | 0.0 | 165.3 | 0.3 | NA | NA | 628.9 | 5,184.2 | 1,440.5 | 6,624.7 |
| 1990 | 65.3 | 1,452.7 | 448.3 | 534.7 | 72.5 | 1,607.3 | 357.9 | 466.1 | 3,486.8 | 0.1 | 146.9 | 0.2 | 1.1 | 18.3 | 720.2 | 5,895.5 | 1,652.6 | 7,548.2 |
| 1995 | 61.0 | 1,490.0 | 424.9 | 540.4 | 53.6 | 1,634.7 | 286.1 | 387.5 | 3,327.2 | (s) | 110.3 | 0.3 | 2.0 | 20.3 | 725.4 | 5,736.5 | 1,637.5 | 7,374.0 |
| 2000 | 47.9 | 1,545.2 | 539.1 | 584.0 | 45.3 | 1,786.5 | 211.5 | 401.7 | 3,568.2 | 0.1 | 89.8 | 0.3 | 2.0 | 18.1 | 832.7 | 6,104.3 | 1,883.4 | 7,987.7 |
| 2001 | 46.7 | 1,514.3 | 559.2 | 551.2 | 40.0 | 1,833.8 | 157.0 | 459.1 | 3,600.3 | 0.0 | 95.5 | 0.3 | 2.2 | 17.5 | 845.4 | 6,122.2 | 1,873.0 | 7,995.2 |
| 2002 | 47.1 | 1,576.4 | 520.5 | 582.6 | 53.1 | 1,924.7 | 193.2 | 456.1 | 3,730.2 | 0.0 | 80.9 | 0.4 | 2.2 | 16.9 | 802.5 | 6,256.6 | 1,778.5 | 8,035.1 |
| 2003 | 47.8 | 1,595.2 | 706.0 | 565.4 | 53.3 | 1,914.5 | 147.2 | 426.8 | 3,813.1 | (s) | 82.7 | 0.5 | 1.9 | 16.6 | 829.9 | 6,387.6 | 1,820.5 | 8,208.1 |
| 2004 | 46.4 | 1,669.0 | 546.3 | 597.7 | 53.7 | 1,961.2 | 174.7 | 432.3 | 3,765.9 | (s) | 83.9 | 0.5 | 2.0 | 16.6 | 859.9 | 6,444.2 | 1,891.4 | 8,335.5 |
| 2005 | 46.7 | 1,595.1 | 563.0 | 593.1 | 44.8 | 1,989.6 | 213.4 | 436.2 | 3,840.2 | 0.1 | 72.5 | 0.9 | 2.2 | 16.7 | 867.5 | 6,441.8 | 1,886.4 | 8,328.2 |
| 2006 | 45.1 | 1,580.1 | 577.3 | 603.3 | 43.6 | 1,999.4 | 237.1 | 406.0 | 3,866.7 | 0.1 | 64.5 | 2.3 | 2.1 | 18.3 | 897.2 | 6,476.4 | 1,928.8 | 8,405.2 |
| 2007 | 43.1 | 1,580.8 | 575.8 | 628.2 | 41.3 | 1,987.3 | 249.4 | 414.9 | 3,896.9 | 0.1 | 66.9 | 5.2 | 2.2 | 20.1 | 901.6 | 6,516.8 | 1,933.8 | 8,450.6 |
| 2008 | 39.4 | 1,592.6 | 545.6 | 571.7 | 60.3 | 1,901.8 | 260.8 | 356.8 | 3,697.0 | 0.0 | 65.1 | 5.4 | 2.2 | 22.6 | 914.9 | 6,339.3 | 1,958.3 | 8,297.6 |
| 2009 | 31.3 | 1,560.6 | 526.0 | 555.6 | 60.9 | 1,866.5 | 242.7 | 319.8 | 3,571.5 | (s) | 62.7 | 2.8 | 2.0 | 25.1 | 885.7 | 6,141.7 | 1,863.8 | 8,005.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 4 | 365 | 485 | 15 | 3,302 | 3,802 | 1,263 | – – | – – | 14,975 | – – | – – | – – |
| 1965 | 6 | 489 | 427 | 31 | 4,454 | 4,911 | 1,083 | – – | – – | 23,800 | – – | – – | – – |
| 1970 | 61 | 553 | 500 | 166 | 4,517 | 5,182 | 1,209 | – – | – – | 35,777 | – – | – – | – – |
| 1975 | 0 | 631 | 493 | 211 | 2,367 | 3,071 | 1,374 | – – | – – | 44,257 | – – | – – | – – |
| 1980 | 1 | 529 | 94 | 18 | 4,300 | 4,413 | 2,649 | – – | – – | 52,011 | – – | – – | – – |
| 1985 | 12 | 527 | 144 | 73 | 4,677 | 4,893 | 4,577 | – – | – – | 57,501 | – – | – – | – – |
| 1990 | 5 | 515 | 202 | 88 | 5,026 | 5,316 | 3,659 | – – | – – | 66,575 | – – | – – | – – |
| 1995 | 17 | 477 | 175 | 81 | 4,269 | 4,525 | 2,832 | – – | – – | 68,783 | – – | – – | – – |
| 1996 | 21 | 473 | 148 | 103 | 3,566 | 3,817 | 2,941 | – – | – – | 71,396 | – – | – – | – – |
| 1997 | 12 | 479 | 159 | 135 | 3,222 | 3,515 | 1,883 | – – | – – | 73,086 | – – | – – | – – |
| 1998 | 13 | 550 | 169 | 237 | 5,325 | 5,731 | 1,674 | – – | – – | 75,205 | – – | – – | – – |
| 1999 | 3 | 568 | 171 | 187 | 4,992 | 5,350 | 1,762 | – – | – – | 75,303 | – – | – – | – – |
| 2000 | 3 | 517 | 241 | 281 | 4,657 | 5,179 | 1,894 | – – | – – | 79,241 | – – | – – | – – |
| 2001 | (s) | 513 | 293 | 350 | 3,197 | 3,840 | 1,777 | – – | – – | 76,668 | – – | – – | – – |
| 2002 | (s) | 511 | 147 | 216 | 3,720 | 4,084 | 1,804 | – – | – – | 77,202 | – – | – – | – – |
| 2003 | (s) | 498 | 117 | 196 | 5,334 | 5,647 | 1,899 | – – | – – | 82,926 | – – | – – | – – |
| 2004 | 1 | 512 | 142 | 276 | 6,477 | 6,896 | 1,947 | – – | – – | 83,361 | – – | – – | – – |
| 2005 | 2 | 484 | 156 | 304 | 7,365 | 7,824 | 1,294 | – – | – – | 85,610 | – – | – – | – – |
| 2006 | (s) | 492 | 153 | 287 | 6,430 | 6,870 | 1,178 | – – | – – | 89,836 | – – | – – | – – |
| 2007 | 0 | 492 | 96 | 152 | 6,819 | 7,067 | 1,299 | – – | – – | 89,158 | – – | – – | – – |
| 2008 | 0 | 489 | R 146 | 92 | 8,372 | R 8,610 | 1,359 | – – | – – | 91,231 | – – | – – | – – |
| 2009 | 0 | 481 | 398 | 172 | 7,859 | 8,430 | 1,299 | – – | – – | 89,799 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.1 | 377.6 | 2.8 | 0.1 | 13.2 | 16.2 | 25.3 | NA | NA | 51.1 | 470.2 | 126.4 | 596.5 |
| 1965 | 0.1 | 524.9 | 2.5 | 0.2 | 17.9 | 20.5 | 21.7 | NA | NA | 81.2 | 648.4 | 193.9 | R 842.2 |
| 1970 | 1.3 | 582.4 | 2.9 | 0.9 | 17.1 | 20.9 | 24.2 | NA | NA | 122.1 | 750.9 | R 295.3 | R 1,046.2 |
| 1975 | 0.0 | 666.7 | 2.9 | 1.2 | 8.8 | 12.9 | 27.5 | NA | NA | 151.0 | 858.1 | R 362.2 | R 1,220.3 |
| 1980 | (s) | 552.4 | 0.6 | 0.1 | 15.8 | 16.5 | 53.0 | NA | NA | 177.5 | 799.3 | R 426.3 | R 1,225.6 |
| 1985 | 0.3 | 547.8 | 0.8 | 0.4 | 16.8 | 18.1 | 91.5 | NA | NA | 196.2 | 853.9 | R 449.4 | R 1,303.2 |
| 1990 | 0.1 | 531.0 | 1.2 | 0.5 | 18.2 | 19.9 | 73.2 | 0.2 | R 18.3 | 227.2 | R 869.8 | R 521.2 | R 1,391.0 |
| 1995 | 0.4 | 482.7 | 1.0 | 0.5 | 15.5 | 16.9 | 56.6 | 0.2 | R 20.3 | 234.7 | R 811.9 | R 529.8 | R 1,341.7 |
| 1996 | 0.5 | 489.5 | 0.9 | 0.6 | 12.9 | 14.3 | 58.8 | 0.2 | R 20.2 | 243.6 | R 827.2 | R 550.5 | R 1,377.7 |
| 1997 | 0.3 | 487.1 | 0.9 | 0.8 | 11.6 | 13.3 | 37.7 | 0.2 | R 19.9 | 249.4 | R 807.8 | R 561.4 | R 1,369.2 |
| 1998 | 0.3 | 580.9 | 1.0 | 1.3 | 19.2 | 21.6 | 33.5 | 0.2 | R 19.5 | 256.6 | R 912.6 | R 578.3 | R 1,490.9 |
| 1999 | 0.1 | 576.9 | 1.0 | 1.1 | 18.1 | 20.1 | 35.2 | 0.1 | R 19.0 | 256.9 | R 908.3 | R 584.1 | R 1,492.4 |
| 2000 | 0.1 | 494.2 | 1.4 | 1.6 | 16.8 | 19.8 | 37.9 | 0.2 | R 18.1 | 270.4 | R 840.5 | R 611.5 | R 1,452.0 |
| 2001 | (s) | 520.6 | 1.7 | 2.0 | 11.6 | 15.2 | 35.6 | 0.2 | R 17.5 | 261.6 | R 850.7 | R 579.6 | R 1,430.2 |
| 2002 | (s) | 520.8 | 0.9 | 1.2 | 13.4 | 15.5 | 36.1 | 0.2 | R 16.9 | 263.4 | R 852.9 | R 583.7 | R 1,436.7 |
| 2003 | (s) | 507.9 | 0.7 | 1.1 | 19.4 | 21.1 | 38.0 | 0.2 | R 16.6 | 282.9 | R 866.7 | R 620.7 | R 1,487.4 |
| 2004 | (s) | 522.3 | 0.8 | 1.6 | 23.4 | 25.8 | 38.9 | 0.2 | R 16.6 | 284.4 | R 888.3 | R 625.6 | R 1,513.8 |
| 2005 | (s) | 494.9 | 0.9 | 1.7 | 26.7 | 29.3 | 25.9 | 0.2 | R 16.7 | 292.1 | R 859.0 | R 635.2 | R 1,494.2 |
| 2006 | (s) | 503.0 | 0.9 | 1.6 | 23.2 | 25.7 | 23.6 | 0.2 | R 18.3 | 306.5 | R 877.2 | R 658.9 | R 1,536.1 |
| 2007 | 0.0 | 498.5 | 0.6 | 0.9 | 24.5 | 25.9 | 26.0 | 0.2 | R 20.1 | 304.2 | R 874.8 | R 652.5 | R 1,527.3 |
| 2008 | 0.0 | 503.6 | R 0.9 | 0.5 | 30.1 | 31.5 | 27.2 | 0.2 | R 22.6 | 311.3 | R 896.4 | R 666.2 | R 1,562.7 |
| 2009 | 0.0 | 493.6 | 2.3 | 1.0 | 28.0 | 31.3 | 26.0 | 0.3 | 25.1 | 306.4 | 882.6 | 644.7 | 1,527.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 3 | 109 | 637 | 46 | 1,142 | 1,406 | 7,284 | 10,515 | NA | – – | – – | 22,039 | – – | – – | – – |
| 1965 | 5 | 164 | 560 | 95 | 1,541 | 1,309 | 6,200 | 9,705 | NA | – – | – – | 29,917 | – – | – – | – – |
| 1970 | 48 | 210 | 657 | 510 | 1,562 | 1,482 | 8,631 | 12,842 | NA | – – | – – | 40,634 | – – | – – | – – |
| 1975 | 0 | 240 | 647 | 650 | 819 | 1,622 | 4,377 | 8,115 | NA | – – | – – | 57,846 | – – | – – | – – |
| 1980 | 3 | 258 | 3,225 | 222 | 1,487 | 1,795 | 6,811 | 13,540 | NA | – – | – – | 63,465 | – – | – – | – – |
| 1985 | 41 | 205 | 3,416 | 353 | 1,618 | 1,759 | 35 | 7,181 | NA | – – | – – | 73,592 | – – | – – | – – |
| 1990 | 20 | 285 | 4,094 | 19 | 1,739 | 1,928 | 882 | 8,661 | 7 | – – | – – | 88,311 | – – | – – | – – |
| 1995 | 116 | 279 | 3,164 | 27 | 1,477 | 236 | 4 | 4,907 | 4 | – – | – – | 86,032 | – – | – – | – – |
| 1996 | 156 | 235 | 2,559 | 69 | 1,233 | 231 | 12 | 4,105 | 11 | – – | – – | 88,605 | – – | – – | – – |
| 1997 | 97 | 254 | 2,487 | 41 | 1,114 | 233 | 2 | 3,878 | 5 | – – | – – | 92,299 | – – | – – | – – |
| 1998 | 103 | 282 | 2,657 | 63 | 1,842 | 250 | 59 | 4,871 | 12 | – – | – – | 99,067 | – – | – – | – – |
| 1999 | 24 | 245 | 2,745 | 29 | 1,727 | 236 | 0 | 4,737 | 11 | – – | – – | 95,771 | – – | – – | – – |
| 2000 | 21 | 246 | 3,104 | 52 | 1,611 | 237 | 1 | 5,005 | 8 | – – | – – | 99,900 | – – | – – | – – |
| 2001 | (s) | 246 | 2,838 | 63 | 1,106 | 246 | 27 | 4,280 | 0 | – – | – – | 107,390 | – – | – – | – – |
| 2002 | (s) | 238 | 2,190 | 27 | 1,287 | 253 | 0 | 3,758 | 0 | – – | – – | 108,972 | – – | – – | – – |
| 2003 | (s) | 233 | 1,743 | 47 | 2,179 | 262 | 0 | 4,231 | 1 | – – | – – | 109,578 | – – | – – | – – |
| 2004 | 8 | 232 | 1,663 | 72 | 3,076 | 271 | 0 | 5,082 | (s) | – – | – – | 118,953 | – – | – – | – – |
| 2005 | 18 | 233 | 1,968 | 59 | 2,416 | 274 | 0 | 4,717 | 5 | – – | – – | 117,551 | – – | – – | – – |
| 2006 | 1 | 244 | 1,481 | 54 | 1,792 | 285 | 0 | 3,613 | 7 | – – | – – | 121,255 | – – | – – | – – |
| 2007 | 0 | 251 | 1,834 | 31 | 2,014 | 280 | 0 | 4,158 | 13 | – – | – – | 123,690 | – – | – – | – – |
| 2008 | 0 | 251 | R 2,643 | 15 | 2,600 | 277 | 0 | R 5,536 | 0 | – – | – – | 125,026 | – – | – – | – – |
| 2009 | 0 | 248 | 3,882 | 19 | 2,077 | 269 | 0 | 6,247 | (s) | – – | – – | 121,105 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.1 | 112.7 | 3.7 | 0.3 | 4.6 | 7.4 | 45.8 | 61.7 | NA | 0.5 | NA | 75.2 | 250.1 | 186.0 | 436.1 |
| 1965 | 0.1 | 175.5 | 3.3 | 0.5 | 6.2 | 6.9 | 39.0 | 55.8 | NA | 0.4 | NA | 102.1 | 333.9 | 243.7 | R 577.6 |
| 1970 | 1.1 | 221.3 | 3.8 | 2.9 | 5.9 | 7.8 | 54.3 | 74.7 | NA | 0.5 | NA | 138.6 | 436.1 | R 335.4 | R 771.5 |
| 1975 | 0.0 | 253.7 | 3.8 | 3.7 | 3.0 | 8.5 | 27.5 | 46.5 | NA | 0.5 | NA | 197.4 | 498.1 | R 473.4 | R 971.5 |
| 1980 | 0.1 | 269.4 | 18.8 | 1.3 | 5.5 | 9.4 | 42.8 | 77.8 | NA | 1.3 | NA | 216.5 | 565.1 | R 520.2 | R 1,085.3 |
| 1985 | 1.0 | 212.9 | 19.9 | 2.0 | 5.8 | 9.2 | 0.2 | 37.2 | NA | 2.2 | NA | 251.1 | 504.4 | R 575.1 | R 1,079.5 |
| 1990 | 0.5 | 294.2 | 23.8 | 0.1 | 6.3 | 10.1 | 5.5 | 45.9 | 0.1 | 8.4 | 0.3 | 301.3 | 650.7 | R 691.4 | R 1,342.1 |
| 1995 | 2.7 | 281.8 | 18.4 | 0.2 | 5.3 | 1.2 | (s) | 25.2 | (s) | 11.4 | 0.4 | 293.5 | 615.1 | R 662.6 | R 1,277.7 |
| 1996 | 3.6 | 243.1 | 14.9 | 0.4 | 4.5 | 1.2 | 0.1 | 21.0 | 0.1 | 11.2 | 0.5 | 302.3 | 581.9 | R 683.2 | R 1,265.1 |
| 1997 | 2.2 | 258.3 | 14.5 | 0.2 | 4.0 | 1.2 | (s) | 20.0 | 0.1 | 9.8 | 0.5 | 314.9 | 605.8 | R 708.9 | R 1,314.7 |
| 1998 | 2.4 | 298.1 | 15.5 | 0.4 | 6.7 | 1.3 | 0.4 | 24.2 | 0.1 | 8.6 | 0.7 | 338.0 | 672.1 | R 761.8 | R 1,433.8 |
| 1999 | 0.6 | 248.3 | 16.0 | 0.2 | 6.2 | 1.2 | 0.0 | 23.6 | 0.1 | 9.0 | 0.5 | 326.8 | 608.9 | R 742.9 | R 1,351.8 |
| 2000 | 0.5 | 235.7 | 18.1 | 0.3 | 5.8 | 1.2 | (s) | 25.4 | 0.1 | 10.8 | 0.6 | 340.9 | 613.9 | R 770.9 | R 1,384.8 |
| 2001 | (s) | 249.6 | 16.5 | 0.4 | 4.0 | 1.3 | 0.2 | 22.3 | 0.0 | 9.1 | 0.6 | 366.4 | 648.1 | R 811.8 | R 1,459.9 |
| 2002 | (s) | 242.9 | 12.8 | 0.2 | 4.6 | 1.3 | 0.0 | 18.9 | 0.0 | 9.9 | 0.7 | 371.8 | 644.1 | R 824.0 | R 1,468.1 |
| 2003 | (s) | 237.6 | 10.2 | 0.3 | 7.9 | 1.4 | 0.0 | 19.7 | (s) | 10.9 | 0.7 | 373.9 | 642.7 | R 820.2 | R 1,462.9 |
| 2004 | 0.2 | 236.2 | 9.7 | 0.4 | 11.1 | 1.4 | 0.0 | 22.6 | (s) | 11.0 | 0.7 | 405.9 | 676.6 | R 892.7 | R 1,569.3 |
| 2005 | 0.4 | 238.5 | 11.5 | 0.3 | 8.7 | 1.4 | 0.0 | 22.0 | 0.1 | 9.6 | 0.7 | 401.1 | 672.3 | R 872.2 | R 1,544.5 |
| 2006 | (s) | 250.0 | 8.6 | 0.3 | 6.5 | 1.5 | 0.0 | 16.9 | 0.1 | 10.4 | 0.7 | 413.7 | 691.8 | R 889.4 | R 1,581.2 |
| 2007 | 0.0 | 254.1 | 10.7 | 0.2 | 7.2 | 1.5 | 0.0 | 19.5 | 0.1 | 9.4 | 0.6 | 422.0 | 705.9 | R 905.2 | R 1,611.1 |
| 2008 | 0.0 | 258.4 | R 15.4 | 0.1 | 9.4 | 1.4 | 0.0 | R 26.3 | 0.0 | 9.5 | 0.5 | 426.6 | R 721.3 | R 913.1 | R 1,634.3 |
| 2009 | 0.0 | 254.3 | 22.6 | 0.1 | 7.4 | 1.4 | 0.0 | 31.5 | (s) | 9.6 | 0.6 | 413.2 | 709.1 | 869.5 | 1,578.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 1,313 | 451 | 10,127 | 4,231 | 2,851 | 10,750 | 38,766 | 66,725 | (s) | – – | – – | – – | 20,190 | – – | – – | – – |
| 1965 | 2,361 | 529 | 13,002 | 4,826 | 2,245 | 11,846 | 42,957 | 74,876 | (s) | – – | – – | – – | 28,904 | – – | – – | – – |
| 1970 | 2,215 | 711 | 8,510 | 9,147 | 1,942 | 12,121 | 49,746 | 81,466 | (s) | – – | – – | – – | 42,169 | – – | – – | – – |
| 1975 | 2,151 | 666 | 10,519 | 15,688 | 1,338 | 8,308 | 55,037 | 90,890 | 0 | – – | – – | – – | 46,053 | – – | – – | – – |
| 1980 | 2,665 | 486 | 15,576 | 12,887 | 1,698 | 12,554 | 71,866 | 114,581 | 0 | – – | – – | – – | 51,888 | – – | – – | – – |
| 1985 | 1,889 | 433 | 17,779 | 12,977 | 3,065 | 18,732 | 71,418 | 123,971 | 0 | – – | – – | – – | 52,972 | – – | – – | – – |
| 1990 | 2,874 | 588 | 17,076 | 12,304 | 3,163 | 1,838 | 73,223 | 107,604 | 0 | – – | – – | – – | 55,892 | – – | – – | – – |
| 1995 | 2,485 | 698 | 11,664 | 8,489 | 2,849 | 1,467 | 60,284 | 84,752 | 0 | – – | – – | – – | 57,367 | – – | – – | – – |
| 1996 | 2,414 | 702 | 11,865 | 5,634 | 2,741 | 304 | 64,721 | 85,265 | 0 | – – | – – | – – | 57,683 | – – | – – | – – |
| 1997 | 2,697 | 794 | 14,035 | 4,169 | 2,910 | 102 | 62,361 | 83,577 | 0 | – – | – – | – – | 62,017 | – – | – – | – – |
| 1998 | 1,885 | 819 | 12,849 | 3,100 | 3,263 | 31 | 60,548 | 79,791 | 0 | – – | – – | – – | 61,641 | – – | – – | – – |
| 1999 | 2,034 | 792 | 14,766 | 5,068 | 1,922 | 570 | 66,301 | 88,627 | 0 | – – | – – | – – | 63,217 | – – | – – | – – |
| 2000 | 1,992 | 841 | 18,686 | 5,948 | 1,971 | 108 | 61,170 | 87,884 | 0 | – – | – – | – – | 64,311 | – – | – – | – – |
| 2001 | 1,937 | 719 | 21,700 | 6,367 | 4,533 | 333 | 71,799 | 104,733 | 0 | – – | – – | – – | 63,041 | – – | – – | – – |
| 2002 | 1,973 | 785 | 14,644 | 9,188 | 4,821 | 194 | 71,580 | 100,426 | 0 | – – | – – | – – | 48,448 | – – | – – | – – |
| 2003 | 1,976 | 821 | 10,432 | 6,703 | 5,009 | 53 | 67,353 | 89,550 | 0 | – – | – – | – – | 49,909 | – – | – – | – – |
| 2004 | 1,914 | 876 | 14,218 | 4,799 | 5,720 | 14 | 68,158 | 92,910 | 0 | – – | – – | – – | 48,812 | – – | – – | – – |
| 2005 | 1,956 | 822 | 13,230 | 1,752 | 5,375 | 11 | 68,905 | 89,273 | 0 | – – | – – | – – | 50,242 | – – | – – | – – |
| 2006 | 1,870 | 792 | 13,861 | 3,000 | 5,503 | 102 | R 63,604 | R 86,070 | 0 | – – | – – | – – | 50,991 | – – | – – | – – |
| 2007 | 1,818 | 798 | 11,461 | 1,913 | 4,448 | 11 | R 64,861 | R 82,693 | 0 | – – | – – | – – | 50,538 | – – | – – | – – |
| 2008 | 1,688 | R 788 | R 11,764 | R 4,448 | 3,930 | 407 | R 55,636 | R 76,185 | 0 | – – | – – | – – | 51,031 | – – | – – | – – |
| 2009 | 1,330 | 772 | 10,605 | 6,177 | 3,752 | 7 | 49,818 | 70,359 | 0 | – – | – – | – – | 47,835 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 35.2 | 466.3 | 59.0 | 17.0 | 15.0 | 67.6 | 238.9 | 397.5 | (s) | 56.3 | NA | NA | 68.9 | 1,024.2 | 170.4 | 1,194.6 |
| 1965 | 63.2 | 567.4 | 75.7 | 19.4 | 11.8 | 74.5 | 261.9 | 443.3 | (s) | 74.8 | NA | NA | 98.6 | 1,247.3 | R 235.4 | 1,482.8 |
| 1970 | 59.3 | 749.1 | 49.6 | 34.6 | 10.2 | 76.2 | 301.8 | 472.3 | (s) | 91.7 | NA | NA | 143.9 | 1,516.4 | R 348.1 | R 1,864.4 |
| 1975 | 56.4 | 703.6 | 61.3 | 58.3 | 7.0 | 52.2 | 333.7 | 512.5 | 0.0 | 99.3 | NA | NA | 157.1 | 1,529.0 | R 376.9 | R 1,905.9 |
| 1980 | 66.1 | 507.4 | 90.7 | 47.3 | 8.9 | 78.9 | 435.2 | 661.2 | 0.0 | 61.1 | NA | NA | 177.0 | 1,472.7 | R 425.3 | R 1,898.1 |
| 1985 | 44.0 | 449.5 | 103.6 | 46.8 | 16.1 | 117.8 | 433.5 | 717.6 | 0.0 | 71.6 | 0.3 | NA | 180.7 | 1,463.8 | R 414.0 | R 1,877.7 |
| 1990 | 64.7 | 606.7 | 99.5 | 44.6 | 16.6 | 11.6 | 442.5 | 614.7 | 0.0 | 65.3 | 0.2 | 0.6 | 190.7 | 1,543.1 | R 437.6 | R 1,980.7 |
| 1995 | 57.9 | 705.4 | 67.9 | 30.8 | 14.9 | 9.2 | 366.2 | 489.0 | 0.0 | 42.3 | 0.3 | 1.4 | 195.7 | 1,492.0 | R 441.8 | R 1,933.8 |
| 1996 | 56.2 | 726.4 | 69.1 | 20.4 | 14.3 | 1.9 | 393.4 | 499.1 | 0.0 | 35.6 | 0.1 | 1.4 | 196.8 | 1,515.6 | R 444.8 | R 1,960.3 |
| 1997 | 62.2 | 807.3 | 81.8 | 15.1 | 15.2 | 0.6 | 378.9 | 491.6 | 0.0 | 42.1 | 0.2 | 1.6 | 211.6 | 1,616.5 | R 476.3 | R 2,092.9 |
| 1998 | 43.3 | 864.8 | 74.8 | 11.2 | 17.0 | 0.2 | 371.3 | 474.5 | 0.0 | 34.7 | 0.3 | 1.6 | 210.3 | 1,629.5 | R 474.0 | R 2,103.5 |
| 1999 | 46.8 | 803.6 | 86.0 | 18.3 | 10.0 | 3.6 | 408.2 | 526.1 | 0.0 | 37.6 | 0.2 | 1.2 | 215.7 | 1,631.3 | R 490.3 | R 2,121.6 |
| 2000 | 47.4 | 803.8 | 108.8 | 21.5 | 10.3 | 0.7 | 378.4 | 519.7 | 0.0 | 41.1 | 0.3 | 1.3 | 219.4 | 1,633.1 | R 496.3 | R 2,129.3 |
| 2001 | 46.7 | 730.3 | 126.4 | 23.0 | 23.6 | 2.1 | 437.8 | 612.9 | 0.0 | 50.9 | 0.3 | 1.4 | 215.1 | 1,657.6 | R 476.6 | R 2,134.1 |
| 2002 | 47.1 | 800.0 | 85.3 | 33.2 | 25.1 | 1.2 | 435.6 | 580.5 | 0.0 | 34.9 | 0.4 | 1.4 | 165.3 | 1,629.6 | R 366.3 | R 1,995.9 |
| 2003 | 47.7 | 837.5 | 60.8 | 24.3 | 26.1 | 0.3 | 407.5 | 519.0 | 0.0 | 33.8 | 0.5 | 1.0 | 170.3 | 1,609.8 | R 373.6 | R 1,983.4 |
| 2004 | 46.2 | 893.4 | 82.8 | 17.4 | 29.8 | 0.1 | 412.5 | 542.6 | 0.0 | 34.0 | 0.5 | 1.1 | 166.5 | 1,684.3 | R 366.3 | R 2,050.6 |
| 2005 | 46.3 | 841.1 | 77.1 | 6.3 | 28.0 | 0.1 | 416.5 | 528.0 | 0.0 | 37.0 | 0.9 | 1.3 | 171.4 | R 1,626.0 | R 372.8 | R 1,998.8 |
| 2006 | 45.1 | 809.8 | 80.7 | 10.8 | 28.7 | 0.6 | R 387.2 | R 508.1 | 0.0 | R 30.6 | 2.3 | 1.3 | 174.0 | R 1,571.1 | R 374.0 | R 1,945.1 |
| 2007 | 43.1 | 807.9 | 66.8 | 6.9 | 23.2 | 0.1 | R 396.5 | R 493.5 | 0.0 | R 31.5 | 5.2 | 1.4 | 172.4 | R 1,554.9 | R 369.9 | R 1,924.8 |
| 2008 | 39.4 | R 810.6 | R 68.5 | R 16.0 | 20.5 | 2.6 | R 340.1 | R 447.7 | 0.0 | R 28.4 | 5.4 | 1.4 | 174.1 | R 1,507.2 | R 372.7 | R 1,879.8 |
| 2009 | 31.3 | 792.8 | 61.8 | 22.0 | 19.6 | (s) | 304.8 | 408.1 | 0.0 | 27.1 | 2.8 | 1.2 | 163.2 | 1,426.5 | 343.5 | 1,770.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 23 | 11 | 5,383 | 15,313 | 25,818 | 214 | 2,327 | 132,768 | 38,610 | 220,432 | 66 | – – | – – | – – |
| 1965 | 8 | 16 | 3,342 | 21,032 | 40,150 | 208 | 2,772 | 166,346 | 35,109 | 268,960 | 66 | – – | – – | – – |
| 1970 | 4 | 17 | 2,184 | 29,448 | 59,614 | 305 | 2,457 | 210,641 | 27,982 | 332,632 | 65 | – – | – – | – – |
| 1975 | (s) | 20 | 1,640 | 30,528 | 62,509 | 390 | 2,386 | 238,548 | 20,056 | 356,057 | 265 | – – | – – | – – |
| 1980 | 0 | 15 | 285 | 41,801 | 62,224 | 522 | 2,804 | 250,100 | 66,673 | 424,409 | 203 | – – | – – | – – |
| 1985 | 0 | 14 | 1,354 | 49,892 | 67,028 | 1,225 | 2,552 | 262,544 | 43,340 | 427,934 | 266 | – – | – – | – – |
| 1990 | 0 | 20 | 1,106 | 55,598 | 94,907 | 923 | 2,871 | 300,893 | 54,206 | 510,503 | 315 | – – | – – | – – |
| 1995 | 0 | 20 | 807 | 57,940 | 95,304 | 564 | 2,739 | 310,379 | 44,043 | 511,776 | 423 | – – | – – | – – |
| 1996 | 0 | 19 | 769 | 58,960 | 103,773 | 481 | 2,658 | 315,285 | 38,983 | 520,908 | 429 | – – | – – | – – |
| 1997 | 0 | 24 | 836 | 62,659 | 103,188 | 349 | 2,808 | 319,727 | 21,272 | 510,840 | 478 | – – | – – | – – |
| 1998 | 0 | 10 | 574 | 62,554 | 105,482 | 670 | 2,940 | 326,430 | 17,094 | 515,744 | 521 | – – | – – | – – |
| 1999 | 0 | 11 | 825 | 64,787 | 98,673 | 384 | 2,971 | 335,633 | 23,223 | 526,496 | 540 | – – | – – | – – |
| 2000 | 0 | 12 | 723 | 70,525 | 103,001 | 341 | 2,926 | 340,681 | 33,540 | 551,739 | 606 | – – | – – | – – |
| 2001 | 0 | 14 | 536 | 71,172 | 97,216 | 390 | 2,681 | 347,202 | 24,617 | 543,814 | 660 | – – | – – | – – |
| 2002 | 0 | 12 | 599 | 72,375 | 102,756 | 501 | 2,649 | 364,493 | 30,534 | 573,906 | 591 | – – | – – | – – |
| 2003 | 0 | 12 | 601 | 108,907 | 99,721 | 472 | 2,449 | 362,405 | 23,358 | 597,914 | 809 | – – | – – | – – |
| 2004 | 0 | 17 | 554 | 77,767 | 105,408 | 478 | 2,481 | 370,084 | 27,772 | 584,544 | 900 | – – | – – | – – |
| 2005 | 0 | 20 | 530 | 81,307 | 104,612 | 842 | 2,468 | 375,652 | 33,924 | 599,335 | 846 | – – | – – | – – |
| 2006 | 0 | 17 | 461 | 83,608 | 106,403 | 868 | 2,405 | 377,390 | 37,614 | 608,749 | 877 | – – | – – | – – |
| 2007 | 0 | 20 | 443 | 85,465 | 110,794 | 760 | 2,483 | 376,053 | 39,652 | 615,649 | 848 | – – | – – | – – |
| 2008 | 0 | R 19 | 407 | R 79,110 | 100,836 | R 1,320 | 2,305 | 360,261 | 41,078 | R 585,318 | 867 | – – | – – | – – |
| 2009 | 0 | 19 | 285 | 75,413 | 97,985 | 1,013 | 2,073 | 353,691 | 38,590 | 569,050 | 844 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.6 | 11.0 | 27.2 | 89.2 | 140.7 | 0.9 | 14.1 | 697.4 | 242.7 | 1,212.2 | 0.2 | 1,223.9 | 0.6 | 1,224.5 |
| 1965 | 0.2 | 16.8 | 16.9 | 122.5 | 222.2 | 0.8 | 16.8 | 873.8 | 220.7 | 1,473.8 | 0.2 | 1,491.0 | 0.5 | 1,491.5 |
| 1970 | 0.1 | 17.9 | 11.0 | 171.5 | 332.9 | 1.2 | 14.9 | 1,106.5 | 175.9 | 1,814.0 | 0.2 | 1,832.2 | 0.5 | 1,832.7 |
| 1975 | (s) | 21.4 | 8.3 | 177.8 | 350.2 | 1.5 | 14.5 | 1,253.1 | 126.1 | 1,931.4 | 0.9 | 1,953.7 | 2.2 | 1,955.9 |
| 1980 | 0.0 | 15.9 | 1.4 | 243.5 | 348.7 | 1.9 | 17.0 | 1,313.8 | 419.2 | 2,345.5 | 0.7 | 2,362.1 | 1.7 | R 2,363.7 |
| 1985 | 0.0 | 15.0 | 6.8 | 290.6 | 375.8 | 4.4 | 15.5 | 1,379.1 | 272.5 | 2,344.8 | 0.9 | R 2,362.1 | 2.1 | R 2,364.2 |
| 1990 | 0.0 | 20.8 | 5.6 | 323.9 | 534.7 | 3.3 | 17.4 | 1,580.6 | 340.8 | 2,806.2 | 1.1 | R 2,832.0 | 2.5 | R 2,834.4 |
| 1995 | 0.0 | 20.0 | 4.1 | 337.5 | 540.4 | 2.0 | 16.6 | 1,618.6 | 276.9 | 2,796.1 | 1.4 | 2,817.6 | 3.3 | 2,820.8 |
| 1996 | 0.0 | 20.1 | 3.9 | 343.4 | 588.4 | 1.7 | 16.1 | 1,644.5 | 245.1 | 2,843.2 | 1.5 | 2,864.7 | 3.3 | 2,868.0 |
| 1997 | 0.0 | 24.4 | 4.2 | 365.0 | 585.1 | 1.3 | 17.0 | 1,666.7 | 133.7 | 2,773.1 | 1.6 | 2,799.1 | 3.7 | 2,802.8 |
| 1998 | 0.0 | 10.9 | 2.9 | 364.4 | 598.1 | 2.4 | 17.8 | 1,701.4 | 107.5 | 2,794.4 | 1.8 | 2,807.1 | 4.0 | 2,811.1 |
| 1999 | 0.0 | 11.6 | 4.2 | 377.4 | 559.5 | 1.4 | 18.0 | 1,749.0 | 146.0 | 2,855.4 | 1.8 | 2,868.9 | 4.2 | 2,873.1 |
| 2000 | 0.0 | 11.5 | 3.7 | 410.8 | 584.0 | 1.2 | 17.7 | 1,774.9 | 210.9 | 3,003.3 | 2.1 | 3,016.9 | 4.7 | R 3,021.5 |
| 2001 | 0.0 | 13.8 | 2.7 | 414.6 | 551.2 | 1.4 | 16.3 | 1,808.9 | 154.8 | 2,949.9 | 2.3 | 2,965.9 | 5.0 | R 2,970.9 |
| 2002 | 0.0 | 12.6 | 3.0 | 421.6 | 582.6 | 1.8 | 16.1 | 1,898.3 | 192.0 | 3,115.4 | 2.0 | 3,130.0 | 4.5 | 3,134.5 |
| 2003 | 0.0 | 12.3 | 3.0 | 634.4 | 565.4 | 1.7 | 14.9 | 1,887.0 | 146.9 | 3,253.3 | 2.8 | 3,268.4 | 6.1 | R 3,274.4 |
| 2004 | 0.0 | 17.1 | 2.8 | 453.0 | 597.7 | 1.7 | 15.0 | 1,930.0 | 174.6 | 3,174.8 | 3.1 | 3,195.0 | 6.8 | 3,201.8 |
| 2005 | 0.0 | 20.7 | 2.7 | 473.6 | 593.1 | 3.0 | 15.0 | 1,960.2 | 213.3 | 3,260.9 | 2.9 | 3,284.4 | 6.3 | 3,290.7 |
| 2006 | 0.0 | 17.3 | 2.3 | 487.0 | 603.3 | 3.1 | 14.6 | 1,969.2 | 236.5 | 3,316.1 | 3.0 | 3,336.4 | R 6.4 | 3,342.8 |
| 2007 | 0.0 | 20.3 | 2.2 | 497.8 | 628.2 | 2.7 | 15.1 | 1,962.6 | 249.3 | 3,358.0 | 2.9 | 3,381.1 | 6.2 | R 3,387.3 |
| 2008 | 0.0 | R 20.0 | 2.1 | R 460.8 | 571.7 | R 4.8 | 14.0 | 1,879.8 | 258.3 | R 3,191.4 | 3.0 | R 3,214.4 | R 6.3 | R 3,220.8 |
| 2009 | 0.0 | 20.0 | 1.4 | 439.3 | 555.6 | 3.6 | 12.6 | 1,845.6 | 242.6 | 3,100.6 | 2.9 | 3,123.5 | 6.1 | 3,129.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, California

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 323 | 23,931 | 120 | 0 | 24,051 | (s) | 17,445 | – – | 33 | NA | NA | -400 | – – |
| 1965 | 0 | 493 | 16,590 | 83 | 0 | 16,673 | 270 | 30,523 | – – | 189 | NA | NA | -3 | – – |
| 1970 | 0 | 636 | 21,589 | 107 | 0 | 21,696 | 3,132 | 38,082 | – – | 525 | NA | NA | -11 | – – |
| 1975 | 0 | 275 | 78,345 | 247 | 0 | 78,592 | 6,071 | 40,103 | – – | 3,246 | NA | NA | 0 | – – |
| 1980 | 0 | 519 | 62,663 | 2,559 | 0 | 65,222 | 4,920 | 40,780 | – – | 5,073 | NA | NA | 89 | – – |
| 1985 | 0 | 666 | 4,617 | 308 | 0 | 4,925 | 19,729 | 31,717 | – – | 9,197 | 11 | 3 | 4,055 | – – |
| 1990 | 910 | 629 | 7,169 | 264 | 819 | 8,252 | 32,693 | 23,785 | – – | 14,521 | 367 | 2,759 | 4,618 | – – |
| 1995 | 1,057 | 603 | 734 | 107 | 2,612 | 3,454 | 30,246 | 48,029 | – – | 11,450 | 497 | 3,087 | 1,739 | – – |
| 1996 | 853 | 525 | 983 | 145 | 2,898 | 4,027 | 34,097 | 44,740 | – – | 12,340 | 521 | 3,079 | 1,228 | – – |
| 1997 | 822 | 596 | 44 | 283 | 2,736 | 3,063 | 30,512 | 41,049 | – – | 12,716 | 511 | 3,137 | 1,320 | – – |
| 1998 | 903 | 649 | 10 | 297 | 3,411 | 3,717 | 34,594 | 49,537 | – – | 12,840 | 502 | 2,758 | -617 | – – |
| 1999 | 943 | 723 | 2 | 279 | 3,034 | 3,314 | 33,372 | 40,726 | – – | 13,046 | 495 | 3,230 | 188 | – – |
| 2000 | 939 | 893 | 86 | 899 | 3,319 | 4,304 | 35,176 | 38,326 | – – | 12,308 | 493 | 3,518 | 3,381 | – – |
| 2001 | 897 | 973 | 492 | 1,372 | 3,199 | 5,063 | 33,220 | 25,542 | – – | 12,181 | 542 | 3,500 | 3,055 | – – |
| 2002 | 970 | 727 | 40 | 224 | 3,352 | 3,616 | 34,352 | 31,141 | – – | 13,074 | 554 | 3,803 | 1,870 | – – |
| 2003 | 890 | 705 | 11 | 255 | 3,631 | 3,896 | 35,594 | 36,370 | – – | 12,982 | 534 | 3,895 | 4,126 | – – |
| 2004 | 924 | 771 | 0 | 233 | 3,474 | 3,707 | 30,268 | 34,141 | – – | 13,105 | 571 | 4,306 | 1,243 | – – |
| 2005 | 873 | 689 | 4 | 241 | 3,863 | 4,108 | 36,155 | 39,626 | – – | 13,023 | 537 | 4,262 | 5,527 | – – |
| 2006 | 899 | 771 | 15 | 201 | 3,558 | 3,775 | 31,959 | 48,040 | – – | 12,821 | 495 | 4,883 | 2,372 | – – |
| 2007 | 961 | 834 | 17 | 169 | 3,557 | 3,742 | 35,792 | 27,314 | – – | 12,991 | 557 | 5,585 | 5,505 | – – |
| 2008 | 993 | 858 | 9 | 175 | 3,055 | 3,239 | 32,482 | 24,128 | – – | 12,883 | 670 | 5,385 | R 4,695 | – – |
| 2009 | 879 | 809 | 9 | 116 | 2,942 | 3,067 | 31,764 | 27,888 | – – | 12,853 | 647 | 5,840 | 2,529 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 334.3 | 150.5 | 0.7 | 0.0 | 151.2 | (s) | 187.7 | (s) | R 0.4 | NA | NA | -1.4 | R 672.2 |
| 1965 | 0.0 | 528.7 | 104.3 | 0.5 | 0.0 | 104.8 | 3.2 | 319.1 | 0.7 | R 2.0 | NA | NA | (s) | R 958.3 |
| 1970 | 0.0 | 670.6 | 135.7 | 0.6 | 0.0 | 136.4 | 34.4 | 399.6 | 0.5 | R 5.5 | NA | NA | (s) | R 1,247.0 |
| 1975 | 0.0 | 291.9 | 492.6 | 1.4 | 0.0 | 494.0 | 66.9 | 417.3 | 0.2 | R 33.8 | NA | NA | 0.0 | R 1,304.0 |
| 1980 | 0.0 | 545.8 | 394.0 | 14.8 | 0.0 | 408.7 | 53.7 | 423.6 | 0.2 | R 52.7 | NA | NA | 0.3 | R 1,485.0 |
| 1985 | 0.0 | 700.3 | 29.0 | 1.8 | 0.0 | 30.8 | 209.6 | 331.3 | (s) | R 96.1 | 0.1 | (s) | 13.8 | R 1,382.1 |
| 1990 | 18.8 | 648.9 | 45.1 | 1.5 | 4.9 | 51.5 | 346.0 | 247.4 | 71.5 | R 151.1 | 3.8 | 28.7 | 15.8 | R 1,583.5 |
| 1995 | 23.3 | 620.0 | 4.6 | 0.6 | 15.7 | 21.0 | 317.8 | 495.3 | 62.6 | R 118.1 | 5.1 | 31.8 | 5.9 | R 1,700.9 |
| 1996 | 20.0 | 538.6 | 6.2 | 0.8 | 17.5 | 24.5 | 358.1 | 462.6 | 62.0 | R 127.6 | 5.4 | 31.8 | 4.2 | R 1,634.8 |
| 1997 | 18.0 | 607.9 | 0.3 | 1.7 | 16.5 | 18.4 | 320.2 | 419.2 | 61.7 | R 129.9 | 5.2 | 32.0 | 4.5 | R 1,617.0 |
| 1998 | 20.1 | 664.0 | 0.1 | 1.7 | 20.5 | 22.3 | 362.9 | 505.1 | 64.3 | R 130.9 | 5.1 | 28.1 | -2.1 | R 1,800.9 |
| 1999 | 22.1 | 739.2 | (s) | 1.6 | 18.3 | 19.9 | 348.7 | 416.5 | 69.6 | R 133.4 | 5.1 | 33.0 | 0.6 | R 1,788.2 |
| 2000 | 22.1 | 911.2 | 0.5 | 5.2 | 20.0 | 25.8 | 366.8 | 391.0 | 69.4 | R 125.6 | 5.0 | 35.9 | 11.5 | R 1,964.3 |
| 2001 | 21.1 | 999.5 | 3.1 | 8.0 | 19.3 | 30.4 | 346.9 | 263.9 | 60.7 | R 125.9 | 5.6 | 36.2 | 10.4 | R 1,900.6 |
| 2002 | 22.9 | 742.3 | 0.2 | 1.3 | 20.2 | 21.7 | 358.7 | 316.8 | 81.2 | R 133.0 | 5.6 | 38.7 | 6.4 | R 1,727.3 |
| 2003 | 21.7 | 721.8 | 0.1 | 1.5 | 21.9 | 23.4 | 370.9 | 372.5 | 72.6 | R 132.9 | 5.5 | 39.9 | 14.1 | R 1,775.4 |
| 2004 | 22.5 | 793.2 | 0.0 | 1.4 | 20.9 | 22.3 | 315.6 | 342.2 | 71.9 | R 131.3 | 5.7 | 43.2 | 4.2 | R 1,752.1 |
| 2005 | 20.7 | 709.3 | (s) | 1.4 | 23.3 | 24.7 | 377.3 | 396.2 | 73.1 | R 130.2 | 5.4 | 42.6 | 18.9 | R 1,798.4 |
| 2006 | 21.9 | 795.8 | 0.1 | 1.2 | 21.4 | 22.7 | 333.5 | 476.5 | 74.9 | R 127.2 | 4.9 | 48.4 | 8.1 | R 1,914.0 |
| 2007 | 23.4 | 860.4 | 0.1 | 1.0 | 21.4 | 22.5 | 375.3 | 270.0 | 71.5 | R 128.4 | 5.5 | 55.2 | 18.8 | R 1,830.9 |
| 2008 | 23.6 | 882.4 | 0.1 | 1.0 | 18.4 | 19.5 | 339.5 | 237.8 | 74.6 | R 126.9 | 6.6 | 53.1 | R 16.0 | R 1,780.1 |
| 2009 | 21.1 | 830.8 | 0.1 | 0.7 | 17.7 | 18.5 | 332.2 | 272.2 | 77.5 | 125.4 | 6.3 | 57.0 | 8.6 | 1,749.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Colorado

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 2,940 | 188 | 4,194 | 480 | 3,153 | 16,461 | 1,883 | 4,072 | 30,242 | 0 | 970 | NA |
| 1965 | 4,204 | 224 | 3,925 | 3,426 | 3,339 | 19,321 | 2,056 | 4,994 | 37,061 | 0 | 938 | NA |
| 1970 | 5,101 | 282 | 5,212 | 7,476 | 4,710 | 26,103 | 1,507 | 5,984 | 50,991 | 0 | 1,236 | NA |
| 1971 | 4,600 | 289 | 6,249 | 7,687 | 5,064 | 27,660 | 1,593 | 5,380 | 53,633 | 0 | 1,585 | NA |
| 1972 | 5,295 | 310 | 6,883 | 7,758 | 5,949 | 30,020 | 1,966 | 5,625 | 58,201 | 0 | 1,243 | NA |
| 1973 | 6,296 | 324 | 7,909 | 7,717 | 5,831 | 31,522 | 2,286 | 5,812 | 61,077 | 0 | 1,281 | NA |
| 1974 | 6,494 | 313 | 8,813 | 7,347 | 5,129 | 30,779 | 3,050 | 4,880 | 59,999 | 0 | 1,415 | NA |
| 1975 | 7,603 | 308 | 8,846 | 7,151 | 5,053 | 31,916 | 3,388 | 4,354 | 60,709 | 0 | 1,507 | NA |
| 1976 | 9,003 | 302 | 9,439 | 7,732 | 5,445 | 32,947 | 3,833 | 4,840 | 64,236 | 0 | 1,288 | NA |
| 1977 | 10,689 | 282 | 9,935 | 7,900 | 5,256 | 34,312 | 3,246 | 5,539 | 66,188 | 225 | 1,072 | NA |
| 1978 | 10,576 | 268 | 10,238 | 8,297 | 5,979 | 36,885 | 3,928 | 4,877 | 70,203 | 609 | 1,343 | NA |
| 1979 | 11,347 | 292 | 12,053 | 6,047 | 3,905 | 35,268 | 929 | 5,478 | 63,681 | 213 | 1,612 | NA |
| 1980 | 11,981 | 256 | 11,228 | 4,725 | 3,870 | 34,282 | 1,814 | 5,429 | 61,348 | 667 | 1,717 | NA |
| 1981 | 13,501 | 212 | 8,725 | 5,494 | 3,715 | 34,625 | 136 | 3,993 | 56,687 | 749 | 1,399 | 0 |
| 1982 | 13,875 | 225 | 9,228 | 5,556 | 4,618 | 35,099 | 15 | 3,714 | 58,231 | 569 | 1,650 | 57 |
| 1983 | 13,004 | 214 | 10,934 | 6,134 | 4,782 | 33,608 | 330 | 4,194 | 59,982 | 748 | 1,871 | 131 |
| 1984 | 14,740 | 230 | 10,001 | 8,505 | 2,298 | 33,612 | 177 | 5,425 | 60,019 | 55 | 2,169 | 184 |
| 1985 | 15,241 | 219 | 9,149 | 7,861 | 2,324 | 35,742 | 194 | 5,135 | 60,404 | -32 | 2,357 | 446 |
| 1986 | 15,029 | 198 | 9,636 | 8,065 | 2,161 | 36,504 | 246 | 4,810 | 61,423 | 52 | 2,264 | 153 |
| 1987 | 15,007 | 210 | 9,406 | 8,372 | 2,336 | 36,195 | 34 | 5,104 | 61,447 | 174 | 1,818 | 52 |
| 1988 | 15,860 | 228 | 10,699 | 6,460 | 2,705 | 36,389 | 32 | 5,671 | 61,954 | 660 | 1,745 | 123 |
| 1989 | 16,393 | 247 | 9,767 | 5,337 | 3,744 | 35,420 | 21 | 5,295 | 59,585 | 529 | 1,752 | 204 |
| 1990 | 17,102 | 247 | 10,116 | 6,109 | 3,045 | 35,562 | 13 | 5,481 | 60,326 | 0 | 1,420 | 230 |
| 1991 | 16,606 | 268 | 10,467 | 6,503 | 3,520 | 35,676 | 80 | 5,132 | 61,378 | 0 | 1,794 | 241 |
| 1992 | 17,081 | 260 | 11,011 | 7,363 | 3,184 | 35,790 | 41 | 5,535 | 62,924 | 0 | 1,499 | 377 |
| 1993 | 17,452 | 292 | 11,878 | 8,959 | 3,448 | 37,913 | 11 | 5,641 | 67,851 | 0 | 1,912 | 613 |
| 1994 | 17,882 | 279 | 11,882 | 7,930 | 3,390 | 39,385 | 3 | 6,559 | 69,149 | 0 | 1,544 | 589 |
| 1995 | 17,330 | 290 | 12,183 | 7,428 | 3,936 | 41,357 | 8 | 5,981 | 70,893 | 0 | 2,131 | 897 |
| 1996 | 17,586 | 315 | 12,483 | 7,765 | 3,897 | 43,028 | 20 | 6,626 | 73,818 | 0 | 1,820 | 1,547 |
| 1997 | 18,297 | 315 | 11,863 | 7,177 | 1,954 | 43,744 | 3 | 5,342 | 70,083 | 0 | 2,032 | 1,521 |
| 1998 | 18,429 | 330 | 14,517 | 6,798 | 1,413 | 44,841 | 3 | 7,408 | 74,981 | 0 | 1,462 | 1,504 |
| 1999 | 18,573 | 333 | 15,025 | 7,800 | 2,973 | 47,069 | 3 | 4,907 | 77,778 | 0 | 1,562 | 1,276 |
| 2000 | 19,652 | 368 | 15,566 | 7,582 | 6,484 | 47,424 | 7 | 6,413 | 83,476 | 0 | 1,454 | 1,443 |
| 2001 | 20,367 | 464 | 17,436 | 7,718 | 6,509 | 49,636 | 5 | 5,581 | 86,885 | 0 | 1,495 | 1,969 |
| 2002 | 19,877 | 459 | 17,412 | 7,131 | 5,597 | 49,151 | 0 | 3,997 | 83,287 | 0 | 1,209 | 1,751 |
| 2003 | 20,153 | 436 | 17,664 | 5,652 | 6,965 | 48,708 | 0 | 7,752 | 86,741 | 0 | 1,262 | 2,031 |
| 2004 | 19,766 | 440 | 16,614 | 12,354 | 7,169 | 50,824 | 1 | 6,737 | 93,698 | 0 | 1,195 | 1,944 |
| 2005 | 19,445 | 470 | 17,562 | 12,320 | 5,707 | 51,312 | 0 | 5,685 | 92,586 | 0 | 1,415 | 1,096 |
| 2006 | 20,059 | 451 | 18,962 | 12,987 | 6,751 | 51,702 | 29 | R 5,534 | R 95,965 | 0 | 1,791 | 981 |
| 2007 | 19,779 | 505 | 19,736 | 13,530 | 5,996 | 52,238 | 0 | R 6,119 | R 97,619 | 0 | 1,730 | 1,672 |
| 2008 | 19,483 | 505 | R 19,687 | 13,163 | 6,226 | 50,330 | 3 | R 4,728 | R 94,136 | 0 | 2,039 | 2,127 |
| 2009 | 17,776 | 520 | 18,907 | 10,842 | 5,601 | 50,049 | (s) | 4,408 | 89,807 | 0 | 1,886 | 2,433 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Colorado
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 68.2 | 195.0 | 24.4 | 2.6 | 12.6 | 86.5 | 11.8 | 24.3 | 162.3 | 425.4 | *195.0* | *86.5* |
| 1965 | 98.1 | 204.5 | 22.9 | 19.3 | 13.4 | 101.5 | 12.9 | 29.4 | 199.3 | 501.9 | *204.5* | *101.5* |
| 1970 | 115.7 | 275.0 | 30.4 | 42.3 | 17.8 | 137.1 | 9.5 | 37.2 | 274.2 | 664.9 | *275.0* | *137.1* |
| 1971 | 105.7 | 281.8 | 36.4 | 43.4 | 19.1 | 145.3 | 10.0 | 33.6 | 287.8 | 675.3 | *281.8* | *145.3* |
| 1972 | 119.0 | 301.7 | 40.1 | 43.9 | 22.4 | 157.7 | 12.4 | 35.1 | 311.5 | 732.1 | *301.7* | *157.7* |
| 1973 | 140.5 | 311.7 | 46.1 | 43.6 | 21.8 | 165.6 | 14.4 | 36.4 | 327.9 | 780.1 | *311.7* | *165.6* |
| 1974 | 138.3 | 302.7 | 51.3 | 41.5 | 19.1 | 161.7 | 19.2 | 30.4 | 323.3 | 764.3 | *302.7* | *161.7* |
| 1975 | 159.3 | 281.0 | 51.5 | 40.4 | 18.8 | 167.7 | 21.3 | 27.1 | 326.8 | 767.1 | *281.0* | *167.7* |
| 1976 | 185.1 | 276.3 | 55.0 | 43.7 | 20.2 | 173.1 | 24.1 | 30.1 | 346.2 | 807.6 | *276.3* | *173.1* |
| 1977 | 223.8 | 254.0 | 57.9 | 44.7 | 19.3 | 180.2 | 20.4 | 34.3 | 356.9 | 834.6 | *254.0* | *180.2* |
| 1978 | 218.6 | 234.6 | 59.6 | 46.9 | 21.9 | 193.8 | 24.7 | 30.0 | 377.0 | 830.2 | *234.6* | *193.8* |
| 1979 | 238.0 | 260.8 | 70.2 | 34.2 | 14.4 | 185.3 | 5.8 | 33.9 | 343.8 | 842.7 | *260.8* | *185.3* |
| 1980 | 247.6 | 244.8 | 65.4 | 26.7 | 14.2 | 180.1 | 11.4 | 33.2 | 331.0 | 823.4 | *254.6* | *180.1* |
| 1981 | 278.7 | 201.4 | 50.8 | 31.0 | 13.5 | 181.9 | 0.9 | 24.8 | 302.9 | 783.1 | *210.5* | *181.9* |
| 1982 | 276.4 | 216.1 | 53.8 | 31.4 | 16.7 | 184.4 | 0.1 | 23.1 | 309.4 | 801.9 | *225.0* | *184.4* |
| 1983 | 254.7 | 207.1 | 63.7 | 34.7 | 17.3 | 176.5 | 2.1 | 26.1 | 320.3 | 782.2 | *215.1* | *176.5* |
| 1984 | 286.9 | 221.0 | 58.3 | 48.1 | 8.3 | 176.6 | 1.1 | 34.2 | 326.5 | 834.4 | *230.1* | *176.6* |
| 1985 | 299.1 | 209.8 | 53.3 | 44.5 | 8.4 | 187.8 | 1.2 | 32.6 | 327.7 | 836.6 | *218.7* | *187.8* |
| 1986 | 295.4 | 190.3 | 56.1 | 45.6 | 7.9 | 191.8 | 1.5 | 30.8 | 333.8 | 819.5 | *198.4* | *191.8* |
| 1987 | 296.5 | 201.5 | 54.8 | 47.4 | 8.5 | 190.1 | 0.2 | 32.5 | 333.6 | 831.7 | *210.1* | *190.1* |
| 1988 | 311.4 | 218.6 | 62.3 | 36.5 | 9.9 | 191.2 | 0.2 | 36.2 | 336.2 | 866.2 | *229.0* | *191.2* |
| 1989 | 323.5 | 240.6 | 56.9 | 30.2 | 13.8 | 186.1 | 0.1 | 33.4 | 320.4 | 884.5 | *249.8* | *186.1* |
| 1990 | 337.4 | 232.3 | 58.9 | 34.6 | 11.0 | 186.8 | 0.1 | 34.8 | 326.2 | 895.9 | *247.8* | *186.8* |
| 1991 | 330.6 | 268.8 | 61.0 | 36.8 | 12.7 | 187.4 | 0.5 | 32.7 | 331.1 | 930.5 | *275.8* | *187.4* |
| 1992 | 339.7 | 259.0 | 64.1 | 41.6 | 11.5 | 188.0 | 0.3 | 35.1 | 340.6 | 939.3 | *266.4* | *188.0* |
| 1993 | 347.2 | 286.4 | 69.2 | 50.7 | 12.4 | 197.0 | 0.1 | 35.9 | 365.3 | 998.9 | *294.9* | *199.2* |
| 1994 | 359.4 | 272.2 | 69.2 | 44.9 | 12.3 | 203.9 | (s) | 41.9 | R 372.3 | R 1,003.8 | *280.4* | *206.0* |
| 1995 | 344.2 | 288.4 | 71.0 | 42.0 | 14.3 | R 212.6 | 0.1 | 38.2 | R 378.0 | R 1,010.6 | *295.7* | *215.7* |
| 1996 | 350.7 | 315.9 | 72.7 | 44.0 | 14.1 | R 219.1 | 0.1 | 41.9 | R 391.9 | R 1,058.5 | *322.8* | *224.4* |
| 1997 | 362.4 | 311.9 | 69.1 | 40.7 | 7.1 | R 222.8 | (s) | 33.4 | R 373.0 | R 1,047.3 | *318.3* | *228.0* |
| 1998 | 364.9 | 328.9 | 84.6 | 38.5 | 5.1 | R 228.5 | (s) | 47.2 | R 403.9 | R 1,097.7 | *334.3* | *233.7* |
| 1999 | 364.2 | 330.9 | 87.5 | 44.2 | 10.8 | R 240.8 | (s) | 30.4 | R 413.8 | R 1,108.9 | *335.5* | *245.3* |
| 2000 | 387.9 | 366.1 | 90.7 | 43.0 | 23.4 | R 242.1 | (s) | 40.6 | R 439.8 | R 1,193.8 | *370.9* | *247.1* |
| 2001 | 400.0 | 464.1 | 101.6 | 43.8 | 23.5 | R 251.8 | (s) | 34.7 | R 455.3 | R 1,319.4 | *469.8* | *258.6* |
| 2002 | 390.5 | 457.7 | 101.4 | 40.4 | 20.2 | R 249.9 | 0.0 | 24.4 | R 436.4 | R 1,284.6 | *463.5* | *256.0* |
| 2003 | 394.2 | 436.9 | 102.9 | 32.0 | 25.3 | R 246.6 | 0.0 | 49.3 | R 456.1 | R 1,287.1 | *442.4* | *253.6* |
| 2004 | 390.2 | 440.7 | 96.8 | 70.0 | 25.9 | R 258.3 | (s) | 42.5 | R 493.6 | R 1,324.5 | *446.1* | *265.0* |
| 2005 | 386.7 | 478.5 | 102.3 | 69.9 | 20.7 | R 263.9 | 0.0 | 35.4 | R 492.2 | R 1,357.4 | *484.0* | *267.7* |
| 2006 | 394.3 | 458.9 | 110.5 | 73.6 | 24.3 | R 266.4 | 0.2 | R 34.6 | R 509.6 | R 1,362.9 | *465.3* | *269.8* |
| 2007 | 388.6 | 508.9 | 115.0 | 76.7 | 21.5 | R 266.8 | 0.0 | R 38.6 | R 518.7 | R 1,416.1 | *515.9* | *272.6* |
| 2008 | 385.4 | 508.5 | R 114.7 | 74.6 | 22.4 | R 255.2 | (s) | R 29.6 | R 496.5 | R 1,390.4 | *514.9* | *262.6* |
| 2009 | 350.2 | 522.4 | 110.1 | 61.5 | 19.9 | 252.7 | (s) | 27.5 | 471.8 | 1,344.4 | *530.1* | *261.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Colorado (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 10.4 | 6.5 | NA | NA | 6.5 | 0.0 | NA | NA | 16.9 | -17.2 | 0.0 | 425.1 |
| 1965 | 0.0 | 9.8 | 6.6 | NA | NA | 6.6 | 0.0 | NA | NA | 16.4 | -8.8 | 0.0 | 509.5 |
| 1970 | 0.0 | 13.0 | 8.4 | NA | NA | 8.4 | 0.0 | NA | NA | 21.3 | R -7.8 | 0.0 | R 678.4 |
| 1971 | 0.0 | 16.6 | 8.9 | NA | NA | 8.9 | 0.0 | NA | NA | 25.5 | -8.7 | 0.0 | 692.2 |
| 1972 | 0.0 | 12.9 | 10.0 | NA | NA | 10.0 | 0.0 | NA | NA | 22.9 | R 1.5 | 0.0 | R 756.6 |
| 1973 | 0.0 | 13.3 | 10.3 | NA | NA | 10.3 | 0.0 | NA | NA | 23.6 | R -1.5 | 0.0 | R 802.2 |
| 1974 | 0.0 | 14.8 | 9.4 | NA | NA | 9.4 | 0.0 | NA | NA | 24.2 | R -1.1 | 0.0 | R 787.4 |
| 1975 | 0.0 | 15.7 | 9.0 | NA | NA | 9.0 | 0.0 | NA | NA | 24.7 | R -7.1 | 0.0 | R 784.7 |
| 1976 | 0.0 | 13.4 | 10.3 | NA | NA | 10.3 | 0.0 | NA | NA | 23.6 | R -11.1 | 0.0 | R 820.2 |
| 1977 | 2.4 | 11.2 | 12.5 | NA | NA | 12.5 | 0.0 | NA | NA | 23.7 | R -23.8 | 0.0 | R 836.9 |
| 1978 | 6.7 | 13.9 | 15.5 | NA | NA | 15.5 | 0.0 | NA | NA | 29.4 | R -14.0 | 0.0 | R 852.2 |
| 1979 | 2.3 | 16.7 | 16.5 | NA | NA | 16.5 | 0.0 | NA | NA | 33.2 | R -18.9 | 0.0 | R 859.2 |
| 1980 | 7.3 | 17.8 | 10.7 | NA | NA | 10.7 | 0.0 | NA | NA | 28.6 | R -17.9 | 0.0 | R 841.3 |
| 1981 | 8.3 | 14.6 | 14.1 | 0.0 | (s) | 14.1 | 0.0 | NA | NA | 28.8 | R -2.6 | 0.0 | R 817.5 |
| 1982 | 6.3 | 17.2 | 14.6 | 0.2 | (s) | 14.8 | 0.0 | NA | NA | 32.0 | R -6.3 | 0.0 | R 833.9 |
| 1983 | 8.2 | 19.7 | 15.6 | 0.5 | 0.1 | 16.2 | 0.0 | NA | 0.0 | 35.9 | R 5.7 | 0.0 | R 831.9 |
| 1984 | 0.6 | 22.6 | 16.5 | 0.6 | 0.1 | 17.2 | 0.0 | 0.0 | 0.0 | R 39.8 | R -6.3 | 0.0 | R 868.5 |
| 1985 | -0.3 | 24.6 | 16.9 | 1.5 | 0.1 | 18.6 | 0.0 | 0.0 | 0.0 | R 43.2 | R -8.9 | 0.0 | R 870.5 |
| 1986 | 0.6 | 23.6 | 20.0 | 0.5 | 0.1 | R 20.6 | 0.0 | 0.0 | 0.0 | 44.3 | R -5.1 | 0.0 | R 859.2 |
| 1987 | 1.8 | 18.9 | 13.2 | 0.2 | 0.1 | 13.5 | 0.0 | 0.0 | 0.0 | 32.4 | R (s) | 0.0 | R 865.9 |
| 1988 | 7.0 | 18.0 | 14.1 | 0.4 | 0.1 | 14.6 | 0.0 | 0.0 | 0.0 | R 32.6 | R -6.6 | 0.0 | R 899.2 |
| 1989 | 5.6 | 18.3 | 11.3 | 0.7 | 0.1 | 12.1 | 0.4 | 0.1 | 0.0 | 30.9 | R -5.9 | 0.0 | R 915.1 |
| 1990 | 0.0 | 14.8 | 10.9 | 0.8 | 0.1 | 11.8 | 0.4 | 0.2 | 0.0 | 27.1 | R -2.3 | 0.0 | R 920.7 |
| 1991 | 0.0 | 18.7 | 12.4 | 0.8 | 0.1 | 13.3 | 0.4 | 0.2 | 0.0 | 32.6 | R 4.4 | 0.0 | R 967.5 |
| 1992 | 0.0 | 15.5 | 11.5 | 1.3 | 0.1 | 12.9 | 0.4 | 0.2 | 0.0 | 29.0 | R 1.2 | 0.0 | R 969.5 |
| 1993 | 0.0 | 19.7 | 11.1 | 2.1 | 0.1 | R 13.3 | 0.4 | 0.2 | 0.0 | R 33.6 | R 4.3 | 0.0 | R 1,036.9 |
| 1994 | 0.0 | 15.9 | 10.6 | 2.0 | 0.1 | R 12.7 | 0.4 | 0.2 | 0.0 | 29.3 | R 4.7 | 0.0 | R 1,037.8 |
| 1995 | 0.0 | 22.0 | 10.7 | 3.1 | 0.1 | R 13.9 | 0.4 | 0.2 | 0.0 | R 36.5 | R 18.9 | 0.0 | R 1,066.0 |
| 1996 | 0.0 | 18.8 | 10.9 | 5.4 | (s) | R 16.3 | 0.4 | 0.2 | 0.0 | R 35.8 | R 22.3 | 0.0 | R 1,116.6 |
| 1997 | 0.0 | 20.8 | 11.8 | 5.3 | (s) | R 17.1 | 0.4 | 0.2 | 0.0 | R 38.5 | R 28.3 | 0.1 | R 1,114.3 |
| 1998 | 0.0 | 14.9 | 10.6 | 5.2 | 0.1 | R 15.9 | 0.4 | 0.2 | 0.0 | R 31.4 | R 33.7 | (s) | R 1,162.7 |
| 1999 | 0.0 | 16.0 | 11.3 | 4.4 | 0.1 | R 15.8 | 0.6 | 0.2 | 0.0 | R 32.6 | R 41.5 | (s) | R 1,183.0 |
| 2000 | 0.0 | 14.8 | 11.5 | 5.0 | 0.1 | R 16.6 | 0.6 | 0.2 | 0.0 | R 32.2 | R 19.9 | (s) | R 1,245.9 |
| 2001 | 0.0 | 15.4 | 6.8 | 6.8 | 0.1 | R 13.7 | 0.6 | 0.2 | 0.5 | R 30.5 | R -8.6 | 0.1 | R 1,341.4 |
| 2002 | 0.0 | 12.3 | 6.4 | 6.1 | 0.1 | R 12.5 | 0.6 | 0.2 | 1.4 | R 27.0 | R 30.6 | (s) | R 1,342.2 |
| 2003 | 0.0 | 12.9 | 6.6 | 7.0 | 0.1 | R 13.8 | 0.5 | 0.2 | 1.5 | R 29.0 | R 30.6 | (s) | R 1,346.7 |
| 2004 | 0.0 | 12.0 | 7.3 | 6.7 | 0.1 | R 14.2 | 0.6 | 0.2 | 2.2 | R 29.1 | R 30.5 | 0.1 | R 1,384.2 |
| 2005 | 0.0 | 14.2 | R 8.7 | 3.8 | 0.3 | R 12.8 | 0.6 | 0.2 | 7.8 | R 35.5 | R 29.7 | (s) | R 1,422.6 |
| 2006 | 0.0 | 17.8 | R 8.1 | 3.4 | 3.7 | R 15.2 | 0.6 | R 0.2 | 8.6 | R 42.4 | R 25.8 | (s) | R 1,431.1 |
| 2007 | 0.0 | 17.1 | R 8.9 | 5.8 | 5.3 | R 20.0 | 0.6 | 0.3 | 12.8 | R 50.8 | R 10.3 | (s) | R 1,477.2 |
| 2008 | 0.0 | 20.1 | R 9.4 | 7.4 | 7.0 | R 23.8 | 0.7 | R 0.5 | 31.7 | R 76.9 | R 23.9 | (s) | R 1,491.2 |
| 2009 | 0.0 | 18.4 | 9.2 | 8.4 | 7.0 | 24.7 | 0.7 | 0.6 | 30.9 | 75.3 | 32.5 | (s) | 1,452.2 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 1,719 | 151 | 4,185 | 480 | 3,153 | 16,461 | 1,776 | 4,072 | 30,126 | 1 | – – | – – | – – | – – | 4,837 | – – | – – | – – |
| 1965 | 2,023 | 189 | 3,921 | 3,426 | 3,339 | 19,321 | 2,016 | 4,994 | 37,017 | 1 | – – | – – | – – | – – | 6,938 | – – | – – | – – |
| 1970 | 1,889 | 231 | 5,190 | 7,476 | 4,710 | 26,103 | 1,265 | 5,984 | 50,727 | 1 | – – | – – | – – | – – | 10,787 | – – | – – | – – |
| 1975 | 1,893 | 255 | 8,227 | 7,151 | 5,053 | 31,916 | 2,506 | 4,354 | 59,207 | 1 | – – | – – | – – | – – | 15,825 | – – | – – | – – |
| 1980 | 1,857 | 224 | 10,954 | 4,725 | 3,870 | 34,282 | 1,643 | 5,429 | 60,904 | 1 | – – | – – | – – | – – | 20,870 | – – | – – | – – |
| 1985 | 947 | 214 | 9,036 | 7,861 | 2,324 | 35,742 | 187 | 5,135 | 60,283 | 1 | – – | – – | – – | – – | 26,674 | – – | – – | – – |
| 1990 | 787 | 234 | 10,066 | 6,109 | 3,045 | 35,562 | 13 | 5,481 | 60,276 | 0 | – – | – – | – – | – – | 30,795 | – – | – – | – – |
| 1995 | 748 | 268 | 12,155 | 7,428 | 3,936 | 41,357 | (s) | 5,981 | 70,858 | 0 | – – | – – | – – | – – | 35,317 | – – | – – | – – |
| 2000 | 507 | 305 | 15,376 | 7,582 | 6,484 | 47,424 | 0 | 6,413 | 83,279 | 0 | – – | – – | – – | – – | 43,020 | – – | – – | – – |
| 2001 | 602 | 378 | 17,098 | 7,718 | 6,509 | 49,636 | 4 | 5,581 | 86,547 | 0 | – – | – – | – – | – – | 44,236 | – – | – – | – – |
| 2002 | 431 | 381 | 17,360 | 7,131 | 5,597 | 49,151 | 0 | 3,997 | 83,235 | 0 | – – | – – | – – | – – | 45,937 | – – | – – | – – |
| 2003 | 557 | 358 | 17,594 | 5,652 | 6,965 | 48,708 | 0 | 7,752 | 86,671 | 0 | – – | – – | – – | – – | 46,495 | – – | – – | – – |
| 2004 | 515 | 357 | 16,584 | 12,354 | 7,169 | 50,824 | 0 | 6,737 | 93,667 | 0 | – – | – – | – – | – – | 46,724 | – – | – – | – – |
| 2005 | 432 | 378 | 17,519 | 12,320 | 5,707 | 51,312 | 0 | 5,685 | 92,543 | 0 | – – | – – | – – | – – | 48,353 | – – | – – | – – |
| 2006 | 352 | 358 | 18,919 | 12,987 | 6,751 | 51,702 | 1 | 5,534 | 95,893 | 0 | – – | – – | – – | – – | 49,734 | – – | – – | – – |
| 2007 | 246 | 381 | 19,671 | 13,530 | 5,996 | 52,238 | 0 | 6,119 | 97,554 | 0 | – – | – – | – – | – – | 51,299 | – – | – – | – – |
| 2008 | 522 | 398 | 19,651 | 13,163 | 6,226 | 50,330 | 3 | 4,728 | 94,100 | 0 | – – | – – | – – | – – | 52,142 | – – | – – | – – |
| 2009 | 425 | 405 | 18,883 | 10,842 | 5,601 | 50,049 | 0 | 4,408 | 89,783 | 0 | – – | – – | – – | – – | 51,036 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 43.1 | 156.7 | 24.4 | 2.6 | 12.6 | 86.5 | 11.2 | 24.3 | 161.5 | (s) | 6.5 | NA | NA | NA | 16.5 | 384.3 | 40.8 | 425.1 |
| 1965 | 51.6 | 172.1 | 22.8 | 19.3 | 13.4 | 101.5 | 12.7 | 29.4 | 199.1 | (s) | 6.6 | NA | NA | NA | 23.7 | 453.0 | 56.5 | 509.5 |
| 1970 | 46.5 | 225.1 | 30.2 | 42.3 | 17.8 | 137.1 | 8.0 | 37.2 | 272.6 | (s) | 8.4 | NA | NA | NA | 36.8 | 589.4 | 89.0 | 678.4 |
| 1975 | 46.2 | 228.3 | 47.9 | 40.4 | 18.8 | 167.7 | 15.8 | 27.1 | 317.6 | (s) | 9.0 | NA | NA | NA | 54.0 | 655.2 | 129.5 | 784.7 |
| 1980 | 45.2 | 223.2 | 63.8 | 26.7 | 14.2 | 180.1 | 10.3 | 33.2 | 328.4 | (s) | 10.7 | NA | NA | NA | 71.2 | 670.3 | 171.1 | 841.3 |
| 1985 | 20.4 | 213.9 | 52.6 | 44.5 | 8.4 | 187.8 | 1.2 | 32.6 | 327.0 | (s) | 16.9 | 0.1 | NA | NA | 91.0 | 662.1 | 208.4 | 870.5 |
| 1990 | 16.6 | 234.3 | 58.6 | 34.6 | 11.0 | 186.8 | 0.1 | 34.8 | 325.9 | 0.0 | 10.8 | 0.1 | 0.4 | 0.2 | 105.1 | 679.6 | 241.1 | 920.7 |
| 1995 | 16.2 | 271.6 | 70.8 | 42.0 | 14.3 | 215.7 | (s) | 38.2 | 380.9 | 0.0 | 10.7 | 0.1 | 0.4 | 0.2 | 120.5 | 794.0 | 272.0 | 1,066.0 |
| 2000 | 11.0 | 304.1 | 89.6 | 43.0 | 23.4 | 247.1 | 0.0 | 40.6 | 443.7 | 0.0 | 11.3 | 0.1 | 0.6 | 0.2 | 146.8 | 913.9 | 332.0 | 1,245.9 |
| 2001 | 13.3 | 379.8 | 99.6 | 43.8 | 23.5 | 258.6 | (s) | 34.7 | 460.2 | 0.0 | 6.4 | 0.1 | 0.6 | 0.2 | 150.9 | 1,007.0 | 334.4 | 1,341.4 |
| 2002 | 9.8 | 384.0 | 101.1 | 40.4 | 20.2 | 256.0 | 0.0 | 24.4 | 442.2 | 0.0 | 5.9 | 0.1 | 0.6 | 0.2 | 156.7 | 994.9 | 347.3 | 1,342.2 |
| 2003 | 12.7 | 361.8 | 102.5 | 32.0 | 25.3 | 253.6 | 0.0 | 49.3 | 462.7 | 0.0 | 6.2 | 0.1 | 0.5 | 0.2 | 158.6 | 998.7 | 348.0 | 1,346.7 |
| 2004 | 11.7 | 359.3 | 96.6 | 70.0 | 25.9 | 265.0 | 0.0 | 42.5 | 500.2 | 0.0 | 6.3 | 0.1 | 0.6 | 0.2 | 159.4 | 1,033.6 | 350.6 | 1,384.2 |
| 2005 | 9.9 | 388.1 | 102.0 | 69.9 | 20.7 | 267.7 | 0.0 | 35.4 | 495.8 | 0.0 | 8.2 | 0.3 | 0.6 | 0.2 | 165.0 | 1,063.8 | 358.8 | 1,422.6 |
| 2006 | 8.0 | 368.7 | 110.2 | 73.6 | 24.3 | 269.8 | (s) | 34.6 | 512.6 | 0.0 | 7.6 | 3.7 | 0.6 | 0.2 | 169.7 | 1,066.3 | 364.8 | 1,431.1 |
| 2007 | 5.6 | 387.4 | 114.6 | 76.7 | 21.5 | 272.6 | 0.0 | 38.6 | 524.1 | 0.0 | 8.3 | 5.3 | 0.6 | 0.3 | 175.0 | 1,101.7 | 375.4 | 1,477.2 |
| 2008 | 12.4 | 404.5 | 114.5 | 74.6 | 22.4 | 262.6 | (s) | 29.6 | 503.7 | 0.0 | 8.7 | 7.0 | 0.7 | 0.3 | 177.9 | 1,110.4 | 380.8 | 1,491.2 |
| 2009 | 9.7 | 410.9 | 110.0 | 61.5 | 19.9 | 261.2 | 0.0 | 27.5 | 480.0 | 0.0 | 8.4 | 7.0 | 0.7 | 0.4 | 174.1 | 1,085.8 | 366.4 | 1,452.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 152 | 52 | 148 | 50 | 2,092 | 2,289 | 212 | – – | – – | 1,776 | – – | – – | – – |
| 1965 | 182 | 65 | 90 | 285 | 2,219 | 2,594 | 179 | – – | – – | 2,521 | – – | – – | – – |
| 1970 | 129 | 83 | 168 | 112 | 3,073 | 3,353 | 195 | – – | – – | 3,859 | – – | – – | – – |
| 1975 | 6 | 100 | 283 | 36 | 2,855 | 3,174 | 233 | – – | – – | 5,142 | – – | – – | – – |
| 1980 | 21 | 90 | 78 | 23 | 1,666 | 1,768 | 462 | – – | – – | 6,693 | – – | – – | – – |
| 1985 | 34 | 90 | 95 | 49 | 1,386 | 1,531 | 753 | – – | – – | 8,861 | – – | – – | – – |
| 1990 | 12 | 92 | 27 | 22 | 1,693 | 1,743 | 366 | – – | – – | 9,787 | – – | – – | – – |
| 1995 | 3 | 104 | 35 | 20 | 2,183 | 2,238 | 360 | – – | – – | 11,307 | – – | – – | – – |
| 1996 | 2 | 111 | 45 | 21 | 2,095 | 2,160 | 373 | – – | – – | 11,871 | – – | – – | – – |
| 1997 | 7 | 116 | 52 | 19 | 329 | 399 | 418 | – – | – – | 12,261 | – – | – – | – – |
| 1998 | 2 | 111 | 19 | 24 | 171 | 213 | 372 | – – | – – | 12,652 | – – | – – | – – |
| 1999 | 12 | 112 | 10 | 16 | 2,006 | 2,033 | 391 | – – | – – | 13,131 | – – | – – | – – |
| 2000 | 9 | 116 | 62 | 29 | 2,815 | 2,906 | 421 | – – | – – | 14,029 | – – | – – | – – |
| 2001 | 32 | 124 | 56 | 18 | 2,633 | 2,707 | 236 | – – | – – | 14,470 | – – | – – | – – |
| 2002 | 27 | 129 | 25 | 9 | 2,676 | 2,710 | 239 | – – | – – | 15,425 | – – | – – | – – |
| 2003 | 36 | 124 | 11 | 35 | 3,789 | 3,835 | 252 | – – | – – | 15,725 | – – | – – | – – |
| 2004 | 22 | 121 | 16 | 45 | 3,221 | 3,282 | 258 | – – | – – | 15,532 | – – | – – | – – |
| 2005 | 11 | 124 | 9 | 36 | 3,371 | 3,416 | R 342 | – – | – – | 16,436 | – – | – – | – – |
| 2006 | 6 | 119 | 9 | 16 | 2,672 | 2,698 | R 311 | – – | – – | 16,952 | – – | – – | – – |
| 2007 | 1 | 131 | 8 | 6 | 3,036 | 3,050 | R 343 | – – | – – | 17,634 | – – | – – | – – |
| 2008 | 29 | 134 | 8 | 4 | 3,605 | 3,616 | R 359 | – – | – – | 17,720 | – – | – – | – – |
| 2009 | 28 | 129 | 12 | 7 | 3,219 | 3,238 | 343 | – – | – – | 17,413 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 3.5 | 54.1 | 0.9 | 0.3 | 8.4 | 9.5 | 4.2 | NA | NA | 6.1 | 77.4 | 15.0 | 92.4 |
| 1965 | 4.2 | 59.6 | 0.5 | 1.6 | 8.9 | 11.0 | 3.6 | NA | NA | 8.6 | 87.0 | 20.5 | 107.5 |
| 1970 | 2.8 | 80.4 | 1.0 | 0.6 | 11.6 | 13.2 | 3.9 | NA | NA | 13.2 | 113.6 | 31.9 | R 145.4 |
| 1975 | 0.1 | 89.5 | 1.6 | 0.2 | 10.6 | 12.5 | 4.7 | NA | NA | 17.5 | 124.3 | R 42.1 | R 166.4 |
| 1980 | 0.5 | 89.2 | 0.5 | 0.1 | 6.1 | 6.7 | 9.2 | NA | NA | 22.8 | 124.8 | R 54.9 | R 179.7 |
| 1985 | 0.7 | 90.1 | 0.6 | 0.3 | 5.0 | 5.8 | 15.1 | NA | NA | 30.2 | 137.9 | R 69.2 | R 207.2 |
| 1990 | 0.2 | 92.2 | 0.2 | 0.1 | 6.1 | 6.4 | 7.3 | 0.1 | 0.2 | 33.4 | 133.4 | R 76.6 | R 210.0 |
| 1995 | 0.1 | 105.8 | 0.2 | 0.1 | 7.9 | 8.2 | 7.2 | 0.1 | 0.2 | 38.6 | 157.1 | R 87.1 | R 244.2 |
| 1996 | (s) | 112.6 | 0.3 | 0.1 | 7.6 | 7.9 | 7.5 | 0.1 | 0.2 | 40.5 | 166.1 | R 91.5 | R 257.6 |
| 1997 | 0.1 | 116.6 | 0.3 | 0.1 | 1.2 | 1.6 | 8.4 | 0.1 | 0.2 | 41.8 | 166.2 | R 94.2 | R 260.3 |
| 1998 | (s) | 111.5 | 0.1 | 0.1 | 0.6 | 0.9 | 7.4 | 0.1 | 0.2 | 43.2 | 161.3 | R 97.3 | R 258.6 |
| 1999 | 0.3 | 111.8 | 0.1 | 0.1 | 7.3 | 7.4 | 7.8 | 0.1 | 0.2 | 44.8 | 170.7 | R 101.8 | R 272.5 |
| 2000 | 0.2 | 116.1 | 0.4 | 0.2 | 10.2 | 10.7 | 8.4 | 0.1 | 0.2 | 47.9 | 181.9 | R 108.3 | R 290.1 |
| 2001 | 0.7 | 124.2 | 0.3 | 0.1 | 9.5 | 9.9 | 4.7 | 0.1 | 0.2 | 49.4 | 187.6 | R 109.4 | R 296.9 |
| 2002 | 0.6 | 129.8 | 0.1 | 0.1 | 9.7 | 9.9 | 4.8 | 0.1 | 0.2 | 52.6 | 196.1 | R 116.6 | R 312.8 |
| 2003 | 0.8 | 125.4 | 0.1 | 0.2 | 13.7 | 14.0 | 5.0 | 0.1 | 0.2 | 53.7 | 197.5 | R 117.7 | R 315.2 |
| 2004 | 0.5 | 121.4 | 0.1 | 0.3 | 11.7 | 12.0 | 5.2 | 0.1 | 0.2 | 53.0 | 190.6 | R 116.6 | R 307.2 |
| 2005 | 0.2 | 127.7 | 0.1 | 0.2 | 12.2 | 12.5 | R 6.8 | 0.1 | 0.2 | 56.1 | R 202.0 | R 121.9 | R 323.9 |
| 2006 | 0.1 | 122.9 | 0.1 | 0.1 | 9.6 | 9.8 | R 6.2 | 0.1 | R 0.2 | 57.8 | R 195.3 | R 124.3 | R 319.6 |
| 2007 | (s) | 133.2 | (s) | (s) | 10.9 | 11.0 | R 6.9 | 0.2 | 0.3 | 60.2 | R 209.6 | R 129.1 | R 338.6 |
| 2008 | 0.7 | 136.0 | (s) | (s) | 13.0 | 13.0 | R 7.2 | 0.2 | R 0.3 | 60.5 | R 215.9 | R 129.4 | R 345.3 |
| 2009 | 0.7 | 130.9 | 0.1 | (s) | 11.5 | 11.6 | 6.9 | 0.2 | 0.4 | 59.4 | 207.7 | 125.0 | 332.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 105 | 28 | 123 | 66 | 375 | 135 | 56 | 755 | NA | – – | – – | 1,772 | – – | – – | – – |
| 1965 | 137 | 39 | 75 | 376 | 398 | 186 | 49 | 1,083 | NA | – – | – – | 2,842 | – – | – – | – – |
| 1970 | 101 | 59 | 140 | 148 | 551 | 124 | 38 | 1,001 | NA | – – | – – | 4,594 | – – | – – | – – |
| 1975 | 15 | 76 | 235 | 48 | 512 | 109 | 75 | 979 | NA | – – | – – | 6,276 | – – | – – | – – |
| 1980 | 79 | 67 | 339 | 6 | 299 | 312 | 3 | 959 | NA | – – | – – | 7,277 | – – | – – | – – |
| 1985 | 122 | 69 | 610 | 15 | 249 | 176 | 1 | 1,050 | NA | – – | – – | 12,344 | – – | – – | – – |
| 1990 | 46 | 66 | 442 | 10 | 303 | 265 | 0 | 1,020 | 0 | – – | – – | 14,420 | – – | – – | – – |
| 1995 | 17 | 67 | 703 | 5 | 391 | 58 | 0 | 1,157 | 0 | – – | – – | 14,300 | – – | – – | – – |
| 1996 | 12 | 69 | 732 | 6 | 375 | 265 | 0 | 1,378 | 0 | – – | – – | 15,251 | – – | – – | – – |
| 1997 | 57 | 69 | 892 | 5 | 59 | 37 | 0 | 992 | 0 | – – | – – | 15,506 | – – | – – | – – |
| 1998 | 16 | 63 | 867 | 9 | 31 | 38 | 3 | 948 | 0 | – – | – – | 16,920 | – – | – – | – – |
| 1999 | 90 | 59 | 812 | 9 | 360 | 166 | 1 | 1,348 | 0 | – – | – – | 17,915 | – – | – – | – – |
| 2000 | 71 | 61 | 605 | 8 | 505 | 128 | 0 | 1,245 | 0 | – – | – – | 19,028 | – – | – – | – – |
| 2001 | 259 | 65 | 632 | 10 | 472 | 40 | 0 | 1,155 | 0 | – – | – – | 18,836 | – – | – – | – – |
| 2002 | 201 | 67 | 497 | 10 | 480 | 41 | 0 | 1,027 | 0 | – – | – – | 19,802 | – – | – – | – – |
| 2003 | 240 | 63 | 303 | 10 | 770 | 41 | 0 | 1,125 | 0 | – – | – – | 19,657 | – – | – – | – – |
| 2004 | 200 | 62 | 323 | 12 | 755 | 41 | 0 | 1,131 | 0 | – – | – – | 19,498 | – – | – – | – – |
| 2005 | 122 | 62 | 625 | 31 | 657 | 41 | 0 | 1,353 | 0 | – – | – – | 19,846 | – – | – – | – – |
| 2006 | 60 | 60 | 658 | 16 | 375 | 42 | 0 | 1,091 | 0 | – – | – – | 20,153 | – – | – – | – – |
| 2007 | 12 | 63 | 447 | 5 | 450 | 43 | 0 | 944 | 0 | – – | – – | 20,508 | – – | – – | – – |
| 2008 | 259 | 66 | R 469 | 3 | 587 | 43 | 0 | R 1,101 | 0 | – – | – – | 20,551 | – – | – – | – – |
| 2009 | 256 | 62 | 1,471 | 4 | 447 | 43 | 0 | 1,965 | 0 | – – | – – | 20,008 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.4 | 29.5 | 0.7 | 0.4 | 1.5 | 0.7 | 0.4 | 3.7 | NA | 0.1 | NA | 6.0 | 41.7 | 15.0 | 56.6 |
| 1965 | 3.1 | 35.8 | 0.4 | 2.1 | 1.6 | 1.0 | 0.3 | 5.4 | NA | 0.1 | NA | 9.7 | 54.2 | R 23.1 | 77.3 |
| 1970 | 2.2 | 57.5 | 0.8 | 0.8 | 2.1 | 0.7 | 0.2 | 4.6 | NA | 0.1 | NA | 15.7 | 80.1 | 37.9 | 118.1 |
| 1975 | 0.3 | 68.3 | 1.4 | 0.3 | 1.9 | 0.6 | 0.5 | 4.6 | NA | 0.1 | NA | 21.4 | 94.7 | R 51.4 | R 146.1 |
| 1980 | 1.7 | 66.6 | 2.0 | (s) | 1.1 | 1.6 | (s) | 4.8 | NA | 0.2 | NA | 24.8 | 95.4 | R 59.6 | R 155.0 |
| 1985 | 2.6 | 68.9 | 3.6 | 0.1 | 0.9 | 0.9 | (s) | 5.5 | NA | 0.4 | NA | 42.1 | 116.4 | R 96.5 | R 212.8 |
| 1990 | 1.0 | 66.5 | 2.6 | 0.1 | 1.1 | 1.4 | 0.0 | 5.1 | 0.0 | 1.1 | 0.2 | 49.2 | 118.4 | R 112.9 | R 231.3 |
| 1995 | 0.4 | 67.6 | 4.1 | (s) | 1.4 | 0.3 | 0.0 | 5.8 | 0.0 | 1.4 | 0.2 | 48.8 | 122.3 | R 110.1 | R 232.4 |
| 1996 | 0.3 | 70.0 | 4.3 | (s) | 1.4 | 1.4 | 0.0 | 7.0 | 0.0 | 1.4 | 0.2 | 52.0 | 129.2 | R 117.6 | R 246.8 |
| 1997 | 1.1 | 69.7 | 5.2 | (s) | 0.2 | 0.2 | 0.0 | 5.6 | 0.0 | 1.7 | 0.2 | 52.9 | 129.6 | R 119.1 | R 248.7 |
| 1998 | 0.4 | 63.5 | 5.1 | (s) | 0.1 | 0.2 | (s) | 5.4 | 0.0 | 1.6 | 0.2 | 57.7 | 127.6 | R 130.1 | R 257.7 |
| 1999 | 2.0 | 59.4 | 4.7 | 0.1 | 1.3 | 0.9 | (s) | 7.0 | 0.0 | 1.9 | 0.2 | 61.1 | 130.7 | R 139.0 | R 269.6 |
| 2000 | 1.5 | 60.8 | 3.5 | (s) | 1.8 | 0.7 | 0.0 | 6.1 | 0.0 | 1.5 | 0.2 | 64.9 | 134.1 | R 146.8 | R 281.0 |
| 2001 | 5.8 | 65.4 | 3.7 | 0.1 | 1.7 | 0.2 | 0.0 | 5.7 | 0.0 | 1.3 | 0.2 | 64.3 | 141.7 | R 142.4 | R 284.1 |
| 2002 | 4.5 | 67.4 | 2.9 | 0.1 | 1.7 | 0.2 | 0.0 | 4.9 | 0.0 | 0.8 | 0.2 | 67.6 | 144.5 | R 149.7 | R 294.2 |
| 2003 | 5.4 | 63.2 | 1.8 | 0.1 | 2.8 | 0.2 | 0.0 | 4.8 | 0.0 | 0.9 | 0.2 | 67.1 | 140.7 | R 147.1 | R 287.9 |
| 2004 | 4.5 | 62.4 | 1.9 | 0.1 | 2.7 | 0.2 | 0.0 | 4.9 | 0.0 | 0.9 | 0.2 | 66.5 | 138.5 | R 146.3 | R 284.8 |
| 2005 | 2.7 | 63.8 | 3.6 | 0.2 | 2.4 | 0.2 | 0.0 | 6.4 | 0.0 | R 1.1 | 0.2 | 67.7 | R 141.2 | R 147.2 | R 288.4 |
| 2006 | 1.3 | 61.7 | 3.8 | 0.1 | 1.4 | 0.2 | 0.0 | 5.5 | 0.0 | R 1.0 | 0.2 | 68.8 | R 137.5 | R 147.8 | R 285.3 |
| 2007 | 0.3 | 64.3 | 2.6 | (s) | 1.6 | 0.2 | 0.0 | 4.5 | 0.0 | R 1.1 | 0.2 | 70.0 | R 139.3 | R 150.1 | R 289.4 |
| 2008 | 6.3 | 66.8 | 2.7 | (s) | 2.1 | 0.2 | 0.0 | 5.1 | 0.0 | R 1.1 | 0.2 | 70.1 | R 148.6 | R 150.1 | R 298.7 |
| 2009 | 5.9 | 63.4 | 8.6 | (s) | 1.6 | 0.2 | 0.0 | 10.4 | 0.0 | 1.1 | 0.2 | 68.3 | 148.1 | 143.7 | 291.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 1,438 | 69 | 1,768 | 593 | 1,303 | 1,583 | 2,551 | 7,798 | 1 | – – | – – | – – | 1,289 | – – | – – | – – |
| 1965 | 1,698 | 82 | 1,994 | 641 | 1,039 | 1,254 | 2,937 | 7,865 | 1 | – – | – – | – – | 1,576 | – – | – – | – – |
| 1970 | 1,657 | 88 | 2,228 | 953 | 1,036 | 1,128 | 5,100 | 10,444 | 1 | – – | – – | – – | 2,334 | – – | – – | – – |
| 1975 | 1,871 | 73 | 3,419 | 1,498 | 860 | 2,327 | 3,701 | 11,805 | 1 | – – | – – | – – | 4,407 | – – | – – | – – |
| 1980 | 1,757 | 60 | 3,983 | 1,860 | 695 | 1,640 | 4,732 | 12,910 | 1 | – – | – – | – – | 6,900 | – – | – – | – – |
| 1985 | 791 | 48 | 2,054 | 621 | 580 | 40 | 4,562 | 7,857 | 1 | – – | – – | – – | 5,468 | – – | – – | – – |
| 1990 | 729 | 66 | 2,712 | 975 | 408 | 13 | 4,870 | 8,978 | 0 | – – | – – | – – | 6,587 | – – | – – | – – |
| 1995 | 729 | 85 | 2,749 | 1,294 | 541 | (s) | 5,440 | 10,023 | 0 | – – | – – | – – | 9,706 | – – | – – | – – |
| 1996 | 367 | 98 | 3,058 | 1,357 | 631 | 4 | 6,094 | 11,144 | 0 | – – | – – | – – | 9,947 | – – | – – | – – |
| 1997 | 728 | 90 | 3,059 | 1,536 | 681 | 3 | 4,773 | 10,051 | 0 | – – | – – | – – | 10,297 | – – | – – | – – |
| 1998 | 392 | 114 | 3,366 | 1,186 | 625 | (s) | 6,810 | 11,987 | 0 | – – | – – | – – | 9,998 | – – | – – | – – |
| 1999 | 429 | 112 | 3,186 | 538 | 564 | 1 | 4,260 | 8,549 | 0 | – – | – – | – – | 9,521 | – – | – – | – – |
| 2000 | 427 | 118 | 3,274 | 3,108 | 546 | 0 | 5,800 | 12,728 | 0 | – – | – – | – – | 9,955 | – – | – – | – – |
| 2001 | 311 | 178 | 3,370 | 3,345 | 1,171 | 4 | 4,898 | 12,788 | 0 | – – | – – | – – | 10,918 | – – | – – | – – |
| 2002 | 202 | 174 | 3,333 | 2,389 | 1,229 | 0 | 3,439 | 10,390 | 0 | – – | – – | – – | 10,672 | – – | – – | – – |
| 2003 | 281 | 161 | 2,982 | 2,355 | 1,268 | 0 | 7,217 | 13,822 | 0 | – – | – – | – – | 11,076 | – – | – – | – – |
| 2004 | 293 | 163 | 3,270 | 3,116 | 1,401 | 0 | 6,203 | 13,990 | 0 | – – | – – | – – | 11,675 | – – | – – | – – |
| 2005 | 300 | 178 | 3,658 | 1,602 | 1,378 | 0 | 5,135 | 11,773 | 0 | – – | – – | – – | 12,052 | – – | – – | – – |
| 2006 | 286 | 166 | 4,270 | 3,624 | 1,441 | 1 | R 5,003 | R 14,339 | 0 | – – | – – | – – | 12,605 | – – | – – | – – |
| 2007 | 233 | 173 | 4,829 | 2,463 | 810 | 0 | R 5,649 | R 13,751 | 0 | – – | – – | – – | 13,113 | – – | – – | – – |
| 2008 | 233 | 183 | R 4,997 | R 1,925 | 643 | 3 | R 4,293 | R 11,861 | 0 | – – | – – | – – | 13,822 | – – | – – | – – |
| 2009 | 140 | 200 | 3,335 | 1,869 | 642 | 0 | 4,016 | 9,863 | 0 | – – | – – | – – | 13,571 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 36.6 | 71.8 | 10.3 | 2.4 | 6.8 | 10.0 | 16.3 | 45.8 | (s) | 2.2 | NA | NA | 4.4 | 160.7 | 10.9 | 171.6 |
| 1965 | 44.2 | 74.9 | 11.6 | 2.6 | 5.5 | 7.9 | 18.3 | 45.8 | (s) | 2.9 | NA | NA | 5.4 | 173.2 | 12.8 | 186.1 |
| 1970 | 41.4 | 85.3 | 13.0 | 3.6 | 5.4 | 7.1 | 32.3 | 61.4 | (s) | 4.4 | NA | NA | 8.0 | 200.5 | 19.3 | 219.8 |
| 1975 | 45.8 | 65.6 | 19.9 | 5.6 | 4.5 | 14.6 | 23.4 | 68.1 | (s) | 4.3 | NA | NA | 15.0 | 198.8 | R 36.1 | R 234.9 |
| 1980 | 43.1 | 59.9 | 23.2 | 6.8 | 3.6 | 10.3 | 29.3 | 73.3 | (s) | 1.3 | NA | NA | 23.5 | 198.9 | R 56.6 | R 255.5 |
| 1985 | 17.1 | 47.7 | 12.0 | 2.2 | 3.0 | 0.2 | 29.3 | 46.8 | (s) | 1.5 | 0.1 | NA | 18.7 | 130.2 | R 42.7 | R 172.9 |
| 1990 | 15.4 | 66.5 | 15.8 | 3.5 | 2.1 | 0.1 | 31.3 | 52.8 | 0.0 | 2.4 | 0.1 | 0.2 | 22.5 | 156.3 | R 51.6 | R 207.9 |
| 1995 | 15.8 | 86.6 | 16.0 | 4.7 | 2.8 | (s) | 35.0 | 58.5 | 0.0 | 2.1 | 0.1 | 0.2 | 33.1 | 194.6 | R 74.8 | R 269.4 |
| 1996 | 7.9 | 99.9 | 17.8 | 4.9 | 3.3 | (s) | 38.9 | 64.9 | 0.0 | 2.0 | (s) | 0.2 | 33.9 | 207.1 | R 76.7 | R 283.7 |
| 1997 | 15.7 | 91.2 | 17.8 | 5.6 | 3.5 | (s) | 30.1 | 57.0 | 0.0 | 1.7 | (s) | 0.2 | 35.1 | 199.5 | R 79.1 | R 278.6 |
| 1998 | 8.3 | 114.8 | 19.6 | 4.3 | 3.3 | (s) | 43.7 | 70.8 | 0.0 | 1.6 | 0.1 | 0.2 | 34.1 | 228.3 | R 76.9 | R 305.2 |
| 1999 | 9.1 | 112.3 | 18.6 | 1.9 | 2.9 | (s) | 26.7 | 50.1 | 0.0 | 1.6 | 0.1 | 0.2 | 32.5 | 204.8 | R 73.8 | R 278.6 |
| 2000 | 9.3 | 117.4 | 19.1 | 11.2 | 2.8 | 0.0 | 37.1 | 70.2 | 0.0 | 1.3 | 0.1 | 0.3 | 34.0 | 231.3 | R 76.8 | R 308.2 |
| 2001 | 6.8 | 179.4 | 19.6 | 12.1 | 6.1 | (s) | 30.8 | 68.7 | 0.0 | 0.4 | 0.1 | 0.3 | 37.3 | 290.9 | R 82.5 | R 373.5 |
| 2002 | 4.7 | 175.2 | 19.4 | 8.6 | 6.4 | 0.0 | 21.2 | 55.7 | 0.0 | 0.3 | 0.1 | 0.3 | 36.4 | 270.8 | R 80.7 | R 351.5 |
| 2003 | 6.5 | 162.7 | 17.4 | 8.5 | 6.6 | 0.0 | 46.2 | 78.7 | 0.0 | 0.3 | 0.1 | 0.2 | 37.8 | 284.7 | R 82.9 | R 367.6 |
| 2004 | 6.7 | 164.5 | 19.0 | 11.3 | 7.3 | 0.0 | 39.4 | 77.1 | 0.0 | 0.3 | 0.1 | 0.2 | 39.8 | 287.1 | R 87.6 | R 374.7 |
| 2005 | 6.9 | 182.8 | 21.3 | 5.8 | 7.2 | 0.0 | 32.3 | 66.6 | 0.0 | 0.3 | 0.3 | 0.2 | 41.1 | 296.5 | R 89.4 | R 385.9 |
| 2006 | 6.5 | 170.7 | 24.9 | 13.1 | 7.5 | (s) | R 31.6 | R 77.0 | 0.0 | 0.3 | 3.7 | 0.2 | 43.0 | R 299.7 | R 92.5 | R 392.1 |
| 2007 | 5.4 | 175.7 | 28.1 | 8.8 | 4.2 | 0.0 | R 35.9 | R 77.1 | 0.0 | 0.4 | 5.3 | 0.2 | 44.7 | R 307.0 | R 96.0 | R 402.9 |
| 2008 | 5.4 | 185.4 | R 29.1 | 6.9 | 3.4 | (s) | R 27.0 | R 66.4 | 0.0 | 0.4 | 7.0 | 0.3 | 47.2 | R 310.3 | R 100.9 | R 411.2 |
| 2009 | 3.2 | 202.7 | 19.4 | 6.6 | 3.4 | 0.0 | 25.2 | 54.6 | 0.0 | 0.4 | 7.0 | 0.3 | 46.3 | 312.4 | 97.4 | 409.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 25 | 1 | 1,125 | 2,146 | 480 | 93 | 280 | 15,023 | 137 | 19,284 | 0 | – – | – – | – – |
| 1965 | 6 | 2 | 1,111 | 1,763 | 3,426 | 81 | 286 | 18,097 | 713 | 25,476 | 0 | – – | – – | – – |
| 1970 | 3 | 2 | 337 | 2,655 | 7,476 | 133 | 286 | 24,943 | 99 | 35,929 | 0 | – – | – – | – – |
| 1975 | (s) | 5 | 267 | 4,290 | 7,151 | 188 | 302 | 30,948 | 104 | 43,250 | 0 | – – | – – | – – |
| 1980 | 0 | 8 | 265 | 6,554 | 4,725 | 45 | 402 | 33,275 | 0 | 45,267 | 0 | – – | – – | – – |
| 1985 | 0 | 7 | 142 | 6,277 | 7,861 | 68 | 366 | 34,986 | 146 | 49,845 | 0 | – – | – – | – – |
| 1990 | 0 | 9 | 167 | 6,884 | 6,109 | 75 | 412 | 34,889 | 0 | 48,535 | 0 | – – | – – | – – |
| 1995 | 0 | 11 | 124 | 8,669 | 7,428 | 69 | 393 | 40,757 | 0 | 57,440 | 4 | – – | – – | – – |
| 1996 | 0 | 11 | 124 | 8,613 | 7,765 | 70 | 382 | 42,132 | (s) | 59,085 | 4 | – – | – – | – – |
| 1997 | 0 | 13 | 143 | 7,822 | 7,177 | 31 | 403 | 43,026 | 0 | 58,602 | 5 | – – | – – | – – |
| 1998 | 0 | 10 | 144 | 10,179 | 6,798 | 25 | 422 | 44,178 | 0 | 61,747 | 5 | – – | – – | – – |
| 1999 | 0 | 9 | 195 | 10,947 | 7,800 | 70 | 426 | 46,339 | 0 | 65,776 | 5 | – – | – – | – – |
| 2000 | 0 | 10 | 156 | 11,435 | 7,582 | 56 | 420 | 46,750 | 0 | 66,400 | 9 | – – | – – | – – |
| 2001 | 0 | 11 | 270 | 13,040 | 7,718 | 59 | 385 | 48,425 | 0 | 69,897 | 11 | – – | – – | – – |
| 2002 | 0 | 12 | 158 | 13,506 | 7,131 | 52 | 380 | 47,881 | 0 | 69,108 | 37 | – – | – – | – – |
| 2003 | 0 | 10 | 138 | 14,297 | 5,652 | 51 | 352 | 47,399 | 0 | 67,889 | 37 | – – | – – | – – |
| 2004 | 0 | 11 | 121 | 12,974 | 12,354 | 77 | 356 | 49,382 | 0 | 75,264 | 19 | – – | – – | – – |
| 2005 | 0 | 13 | 130 | 13,226 | 12,320 | 77 | 354 | 49,893 | 0 | 76,000 | 19 | – – | – – | – – |
| 2006 | 0 | 13 | 153 | 13,981 | 12,987 | 80 | 345 | 50,219 | 0 | 77,766 | 25 | – – | – – | – – |
| 2007 | 0 | 14 | 103 | 14,388 | 13,530 | 47 | 356 | 51,385 | 0 | 79,809 | 44 | – – | – – | – – |
| 2008 | 0 | 16 | 97 | R 14,177 | 13,163 | R 109 | 331 | 49,644 | 0 | R 77,520 | 49 | – – | – – | – – |
| 2009 | 0 | 14 | 83 | 14,064 | 10,842 | 66 | 298 | 49,364 | 0 | 74,717 | 44 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.6 | 1.3 | 5.7 | 12.5 | 2.6 | 0.4 | 1.7 | 78.9 | 0.9 | 102.6 | 0.0 | 104.5 | 0.0 | 104.5 |
| 1965 | 0.1 | 1.7 | 5.6 | 10.3 | 19.3 | 0.3 | 1.7 | 95.1 | 4.5 | 136.8 | 0.0 | 138.6 | 0.0 | 138.6 |
| 1970 | 0.1 | 1.8 | 1.7 | 15.5 | 42.3 | 0.5 | 1.7 | 131.0 | 0.6 | 193.3 | 0.0 | 195.2 | 0.0 | 195.2 |
| 1975 | (s) | 4.8 | 1.3 | 25.0 | 40.4 | 0.7 | 1.8 | 162.6 | 0.7 | 232.5 | 0.0 | 237.3 | 0.0 | 237.3 |
| 1980 | 0.0 | 7.5 | 1.3 | 38.2 | 26.7 | 0.2 | 2.4 | 174.8 | 0.0 | 243.6 | 0.0 | 251.1 | 0.0 | 251.1 |
| 1985 | 0.0 | 7.1 | 0.7 | 36.6 | 44.5 | 0.2 | 2.2 | 183.8 | 0.9 | 268.9 | 0.0 | 277.6 | 0.0 | 277.6 |
| 1990 | 0.0 | 9.2 | 0.8 | 40.1 | 34.6 | 0.3 | 2.5 | 183.3 | 0.0 | 261.5 | 0.0 | 271.5 | 0.0 | 271.5 |
| 1995 | 0.0 | 11.6 | 0.6 | 50.5 | 42.0 | 0.2 | 2.4 | 212.6 | 0.0 | 308.3 | (s) | 320.0 | (s) | 320.0 |
| 1996 | 0.0 | 11.3 | 0.6 | 50.2 | 44.0 | 0.3 | 2.3 | 219.8 | (s) | 317.1 | (s) | 328.4 | (s) | 328.5 |
| 1997 | 0.0 | 12.8 | 0.7 | 45.6 | 40.7 | 0.1 | 2.4 | 224.3 | 0.0 | 313.8 | (s) | 326.7 | (s) | 326.7 |
| 1998 | 0.0 | 9.7 | 0.7 | 59.3 | 38.5 | 0.1 | 2.6 | 230.3 | 0.0 | 331.5 | (s) | 341.2 | (s) | 341.2 |
| 1999 | 0.0 | 8.9 | 1.0 | 63.8 | 44.2 | 0.3 | 2.6 | 241.5 | 0.0 | 353.3 | (s) | 362.2 | (s) | 362.2 |
| 2000 | 0.0 | 9.8 | 0.8 | 66.6 | 43.0 | 0.2 | 2.5 | 243.6 | 0.0 | 356.7 | (s) | 366.5 | 0.1 | 366.6 |
| 2001 | 0.0 | 10.8 | 1.4 | 76.0 | 43.8 | 0.2 | 2.3 | 252.3 | 0.0 | 375.9 | (s) | 386.8 | 0.1 | 386.9 |
| 2002 | 0.0 | 11.6 | 0.8 | 78.7 | 40.4 | 0.2 | 2.3 | 249.4 | 0.0 | 371.8 | 0.1 | 383.5 | 0.3 | 383.8 |
| 2003 | 0.0 | 10.5 | 0.7 | 83.3 | 32.0 | 0.2 | 2.1 | 246.8 | 0.0 | 365.1 | 0.1 | 375.8 | 0.3 | 376.0 |
| 2004 | 0.0 | 11.1 | 0.6 | 75.6 | 70.0 | 0.3 | 2.2 | 257.5 | 0.0 | 406.2 | 0.1 | 417.4 | 0.1 | 417.5 |
| 2005 | 0.0 | 13.8 | 0.7 | 77.0 | 69.9 | 0.3 | 2.1 | 260.3 | 0.0 | 410.3 | 0.1 | 424.2 | 0.1 | 424.4 |
| 2006 | 0.0 | 13.5 | 0.8 | 81.4 | 73.6 | 0.3 | 2.1 | 262.0 | 0.0 | 420.3 | 0.1 | 433.8 | 0.2 | 434.0 |
| 2007 | 0.0 | 14.2 | 0.5 | 83.8 | 76.7 | 0.2 | 2.2 | 268.2 | 0.0 | 431.6 | 0.2 | 445.9 | 0.3 | 446.3 |
| 2008 | 0.0 | 16.3 | 0.5 | R 82.6 | 74.6 | 0.4 | 2.0 | 259.0 | 0.0 | R 419.1 | 0.2 | R 435.6 | 0.4 | R 435.9 |
| 2009 | 0.0 | 14.0 | 0.4 | 81.9 | 61.5 | 0.2 | 1.8 | 257.6 | 0.0 | 403.4 | 0.1 | 417.6 | 0.3 | 417.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Colorado

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 1,221 | 37 | 106 | 10 | 0 | 116 | 0 | 969 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 2,181 | 36 | 40 | 4 | 0 | 43 | 0 | 937 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 3,212 | 51 | 242 | 22 | 0 | 264 | 0 | 1,234 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 5,710 | 53 | 882 | 619 | 0 | 1,501 | 0 | 1,506 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 10,124 | 32 | 171 | 273 | 0 | 444 | 667 | 1,716 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 14,295 | 5 | 8 | 113 | 0 | 121 | -32 | 2,357 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 16,315 | 13 | (s) | 50 | 0 | 50 | 0 | 1,420 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 16,581 | 23 | 8 | 28 | 0 | 36 | 0 | 2,131 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 17,205 | 26 | 16 | 35 | 0 | 51 | 0 | 1,820 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 17,505 | 27 | (s) | 38 | 0 | 38 | 0 | 2,032 | – – | 0 | 0 | 0 | 43 | – – |
| 1998 | 18,020 | 33 | (s) | 85 | 0 | 85 | 0 | 1,462 | – – | 0 | 0 | 0 | 1 | – – |
| 1999 | 18,042 | 41 | 1 | 71 | 0 | 72 | 0 | 1,562 | – – | 0 | 0 | 0 | 2 | – – |
| 2000 | 19,145 | 63 | 7 | 190 | 0 | 197 | 0 | 1,454 | – – | 0 | 0 | 0 | 11 | – – |
| 2001 | 19,765 | 86 | 1 | 338 | 0 | 339 | 0 | 1,495 | – – | 0 | 0 | 49 | 36 | – – |
| 2002 | 19,446 | 78 | 0 | 52 | 0 | 52 | 0 | 1,209 | – – | 0 | 0 | 139 | 7 | – – |
| 2003 | 19,596 | 78 | 0 | 70 | 0 | 70 | 0 | 1,262 | – – | 0 | 0 | 147 | 2 | – – |
| 2004 | 19,251 | 83 | 1 | 30 | 0 | 31 | 0 | 1,195 | – – | 0 | 0 | 220 | 37 | – – |
| 2005 | 19,013 | 93 | 0 | 43 | 0 | 43 | 0 | 1,415 | – – | 0 | 0 | 776 | 6 | – – |
| 2006 | 19,707 | 93 | 28 | 44 | 0 | 72 | 0 | 1,791 | – – | 0 | 0 | 866 | 1 | – – |
| 2007 | 19,533 | 124 | 0 | 65 | 0 | 65 | 0 | 1,730 | – – | 0 | 2 | 1,292 | (s) | – – |
| 2008 | 18,962 | 106 | 0 | 36 | 0 | 36 | 0 | 2,039 | – – | 0 | 18 | 3,221 | -1 | – – |
| 2009 | 17,351 | 115 | (s) | 25 | 0 | 25 | 0 | 1,886 | – – | 0 | 26 | 3,164 | (s) | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 25.1 | 38.3 | 0.7 | 0.1 | 0.0 | 0.7 | 0.0 | 10.4 | 0.0 | 0.0 | NA | NA | 0.0 | 74.6 |
| 1965 | 46.5 | 32.4 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 9.8 | 0.0 | 0.0 | NA | NA | 0.0 | 89.0 |
| 1970 | 69.1 | 49.9 | 1.5 | 0.1 | 0.0 | 1.6 | 0.0 | 13.0 | 0.0 | 0.0 | NA | NA | 0.0 | 133.6 |
| 1975 | 113.1 | 52.7 | 5.5 | 3.6 | 0.0 | 9.2 | 0.0 | 15.7 | 0.0 | 0.0 | NA | NA | 0.0 | 190.6 |
| 1980 | 202.4 | 31.3 | 1.1 | 1.6 | 0.0 | 2.7 | 7.3 | 17.8 | 0.0 | 0.0 | NA | NA | 0.0 | 260.2 |
| 1985 | 278.7 | 4.9 | (s) | 0.7 | 0.0 | 0.7 | -0.3 | 24.6 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 308.4 |
| 1990 | 320.8 | 13.4 | (s) | 0.3 | 0.0 | 0.3 | 0.0 | 14.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 348.4 |
| 1995 | 328.0 | 24.1 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 22.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 373.6 |
| 1996 | 342.5 | 29.1 | 0.1 | 0.2 | 0.0 | 0.3 | 0.0 | 18.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 390.0 |
| 1997 | 345.5 | 27.9 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 20.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 394.0 |
| 1998 | 356.2 | 34.7 | (s) | 0.5 | 0.0 | 0.5 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 405.7 |
| 1999 | 352.8 | 43.1 | (s) | 0.4 | 0.0 | 0.4 | 0.0 | 16.0 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 411.7 |
| 2000 | 376.9 | 66.8 | (s) | 1.1 | 0.0 | 1.2 | 0.0 | 14.8 | 0.2 | 0.0 | 0.0 | 0.0 | (s) | 458.9 |
| 2001 | 386.7 | 90.0 | (s) | 2.0 | 0.0 | 2.0 | 0.0 | 15.4 | 0.5 | 0.0 | 0.0 | 0.5 | 0.1 | 494.0 |
| 2002 | 380.6 | 79.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 12.3 | 0.5 | 0.0 | 0.0 | 1.4 | (s) | 473.5 |
| 2003 | 381.4 | 80.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 12.9 | 0.4 | 0.0 | 0.0 | 1.5 | (s) | 476.1 |
| 2004 | 378.5 | 86.8 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 12.0 | 1.0 | 0.0 | 0.0 | 2.2 | 0.1 | 479.6 |
| 2005 | 376.8 | 95.9 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 14.2 | 0.5 | 0.0 | 0.0 | 7.8 | (s) | 494.1 |
| 2006 | 386.4 | 96.5 | 0.2 | 0.3 | 0.0 | 0.4 | 0.0 | 17.8 | 0.5 | 0.0 | 0.0 | 8.6 | (s) | 508.6 |
| 2007 | 382.9 | 128.4 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 17.1 | 0.6 | 0.0 | (s) | 12.8 | (s) | 540.2 |
| 2008 | 373.0 | 110.4 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 20.1 | 0.7 | 0.0 | 0.2 | 31.7 | (s) | 534.8 |
| 2009 | 340.5 | 119.2 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 18.4 | 0.8 | 0.0 | 0.2 | 30.9 | (s) | 508.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 3,851 | 28 | 23,369 | 1,129 | 1,092 | 19,349 | 14,622 | 3,678 | 63,238 | 0 | 424 | NA |
| 1965 | 4,957 | 41 | 21,186 | 1,411 | 1,383 | 22,933 | 17,159 | 4,029 | 68,100 | 0 | 187 | NA |
| 1970 | 2,060 | 61 | 24,117 | 2,897 | 1,854 | 28,638 | 35,595 | 8,680 | 101,782 | 3,604 | 329 | NA |
| 1971 | 1,555 | 61 | 24,101 | 2,191 | 1,879 | 29,539 | 33,819 | 3,094 | 94,623 | 7,767 | 391 | NA |
| 1972 | 184 | 64 | 24,773 | 2,809 | 2,112 | 30,806 | 40,697 | 3,549 | 104,747 | 7,777 | 538 | NA |
| 1973 | 112 | 63 | 25,440 | 2,509 | 2,176 | 31,594 | 43,290 | 3,442 | 108,452 | 4,303 | 447 | NA |
| 1974 | 276 | 66 | 23,201 | 2,434 | 2,137 | 31,504 | 37,632 | 2,944 | 99,852 | 7,970 | 428 | NA |
| 1975 | 55 | 64 | 21,613 | 2,124 | 2,209 | 31,822 | 32,512 | 2,953 | 93,233 | 8,135 | 493 | NA |
| 1976 | 49 | 66 | 24,216 | 1,946 | 2,390 | 32,626 | 32,800 | 3,561 | 97,540 | 12,330 | 383 | NA |
| 1977 | 48 | 64 | 23,774 | 2,167 | 2,420 | 33,119 | 32,164 | 3,432 | 97,077 | 13,174 | 431 | NA |
| 1978 | 33 | 65 | 23,577 | 2,128 | 2,187 | 33,225 | 34,224 | 3,783 | 99,123 | 13,863 | 359 | NA |
| 1979 | 44 | 68 | 28,484 | 2,382 | 1,470 | 31,492 | 26,913 | 3,716 | 94,457 | 12,706 | 461 | NA |
| 1980 | 16 | 73 | 22,304 | 1,973 | 1,501 | 30,205 | 29,334 | 3,677 | 88,994 | 11,835 | 256 | NA |
| 1981 | 38 | 77 | 19,724 | 1,580 | 1,336 | 30,252 | 21,540 | 4,257 | 78,689 | 12,673 | 260 | 26 |
| 1982 | 31 | 78 | 20,505 | 1,076 | 1,418 | 30,055 | 21,291 | 3,585 | 77,930 | 13,625 | 371 | 11 |
| 1983 | 29 | 74 | 16,904 | 957 | 1,426 | 30,534 | 23,325 | 3,204 | 76,350 | 11,588 | 378 | 3 |
| 1984 | 59 | 81 | 20,551 | 1,005 | 1,401 | 30,855 | 25,087 | 4,157 | 83,055 | 14,292 | 377 | 12 |
| 1985 | 815 | 78 | 20,680 | 1,085 | 1,283 | 30,999 | 21,040 | 5,149 | 80,236 | 12,721 | 264 | 31 |
| 1986 | 809 | 79 | 22,427 | 1,255 | 1,134 | 31,860 | 22,279 | 4,339 | 83,294 | 18,667 | 373 | 12 |
| 1987 | 815 | 92 | 23,642 | 1,784 | 1,558 | 32,428 | 18,951 | 4,429 | 82,792 | 20,540 | 343 | 0 |
| 1988 | 881 | 88 | 25,577 | 2,156 | 1,518 | 32,838 | 21,861 | 4,252 | 88,201 | 22,251 | 330 | 0 |
| 1989 | 903 | 99 | 27,656 | 2,242 | 1,586 | 32,273 | 22,157 | 4,123 | 90,036 | 19,563 | 442 | 0 |
| 1990 | 1,493 | 105 | 23,264 | 2,344 | 1,592 | 31,140 | 16,554 | 3,765 | 78,659 | 19,776 | 571 | 0 |
| 1991 | 1,499 | 112 | 22,282 | 2,246 | 1,485 | 31,870 | 14,526 | 4,316 | 76,725 | 12,243 | 433 | 32 |
| 1992 | 1,523 | 123 | 25,063 | 2,293 | 1,885 | 32,596 | 10,865 | 3,964 | 76,665 | 16,771 | 424 | 134 |
| 1993 | 1,474 | 123 | 23,123 | 2,312 | 1,684 | 33,103 | 8,820 | 3,914 | 72,957 | 21,802 | 415 | 163 |
| 1994 | 1,512 | 130 | 22,035 | 2,452 | 1,487 | 32,668 | 7,567 | 4,041 | 70,250 | 20,160 | 481 | 110 |
| 1995 | 1,594 | 141 | 21,322 | 2,489 | 1,410 | 30,591 | 6,803 | 4,194 | 66,808 | 18,749 | 364 | 24 |
| 1996 | 1,606 | 135 | 22,170 | 2,718 | 1,517 | 32,663 | 10,407 | 6,326 | 75,802 | 6,225 | 626 | 80 |
| 1997 | 1,745 | 145 | 22,176 | 2,372 | 1,732 | 32,934 | 14,673 | 6,393 | 80,281 | -125 | 447 | 85 |
| 1998 | 1,272 | 132 | 19,886 | 2,214 | 2,243 | 33,589 | 14,982 | 5,870 | 78,785 | 3,243 | 448 | 82 |
| 1999 | 619 | 152 | 22,407 | 2,456 | 1,673 | 36,283 | 14,429 | 5,980 | 83,228 | 12,675 | 422 | 87 |
| 2000 | 1,477 | 160 | 23,578 | 2,599 | 2,130 | 34,933 | 11,835 | 6,077 | 81,151 | 16,365 | 526 | 97 |
| 2001 | 1,627 | 146 | 24,817 | 2,356 | 2,422 | 35,437 | 9,033 | 2,582 | 76,646 | 15,428 | 286 | 29 |
| 2002 | 1,512 | 178 | 22,382 | 2,201 | 2,065 | 37,436 | 4,437 | 2,318 | 70,840 | 14,918 | 335 | 84 |
| 2003 | 2,055 | 154 | 25,891 | 2,108 | 2,954 | 40,498 | 4,692 | 3,673 | 79,816 | 16,078 | 564 | 501 |
| 2004 | 2,136 | 163 | 28,850 | 2,382 | 3,057 | 43,565 | 4,093 | 4,018 | 85,966 | 16,539 | 463 | 3,681 |
| 2005 | 2,076 | 168 | 26,518 | 2,461 | 3,973 | 38,601 | 6,609 | 4,501 | 82,663 | 15,562 | 478 | 983 |
| 2006 | 2,248 | 173 | 24,317 | 2,249 | 3,698 | 37,710 | 3,071 | R 3,959 | R 75,003 | 16,589 | 544 | 2,872 |
| 2007 | 1,939 | 180 | 24,281 | 2,056 | 3,364 | 37,906 | 2,793 | R 2,770 | R 73,169 | 16,386 | 363 | 3,503 |
| 2008 | 2,221 | 167 | R 23,569 | 1,908 | 2,880 | 36,236 | 1,162 | R 1,575 | R 67,329 | 15,433 | 556 | 2,910 |
| 2009 | 1,196 | 184 | 22,576 | 1,408 | 3,192 | 36,342 | 788 | 1,417 | 65,722 | 16,657 | 510 | 3,503 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 101.7 | 29.4 | 136.1 | 6.4 | 4.4 | 101.6 | 91.9 | 22.0 | 362.4 | 493.6 | *29.4* | *101.6* |
| 1965 | 128.6 | 41.7 | 123.4 | 8.0 | 5.5 | 120.5 | 107.9 | 24.2 | 389.4 | 559.7 | *41.7* | *120.5* |
| 1970 | 48.6 | 61.5 | 140.5 | 16.4 | 7.0 | 150.4 | 223.8 | 49.3 | 587.4 | 697.5 | *61.5* | *150.4* |
| 1971 | 36.4 | 62.4 | 140.4 | 12.4 | 7.1 | 155.2 | 212.6 | 18.7 | 546.4 | 645.2 | *62.4* | *155.2* |
| 1972 | 4.2 | 65.0 | 144.3 | 15.9 | 7.9 | 161.8 | 255.9 | 21.6 | 607.4 | 676.7 | *65.0* | *161.8* |
| 1973 | 2.6 | 63.5 | 148.2 | 14.2 | 8.2 | 166.0 | 272.2 | 21.1 | 629.8 | 695.9 | *63.5* | *166.0* |
| 1974 | 6.5 | 67.1 | 135.1 | 13.8 | 8.0 | 165.5 | 236.6 | 17.8 | 576.8 | 650.4 | *67.1* | *165.5* |
| 1975 | 1.3 | 64.3 | 125.9 | 12.0 | 8.2 | 167.2 | 204.4 | 18.0 | 535.7 | 601.3 | *64.3* | *167.2* |
| 1976 | 1.2 | 66.4 | 141.1 | 11.0 | 8.9 | 171.4 | 206.2 | 21.2 | 559.8 | 627.3 | *66.4* | *171.4* |
| 1977 | 1.2 | 64.7 | 138.5 | 12.3 | 8.9 | 174.0 | 202.2 | 20.3 | 556.2 | 622.0 | *64.7* | *174.0* |
| 1978 | 0.8 | 66.0 | 137.3 | 12.0 | 8.0 | 174.5 | 215.2 | 22.6 | 569.6 | 636.5 | *66.0* | *174.5* |
| 1979 | 1.1 | 68.8 | 165.9 | 13.5 | 5.4 | 165.4 | 169.2 | 21.7 | 541.2 | 611.0 | *68.8* | *165.4* |
| 1980 | 0.4 | 74.0 | 129.9 | 11.2 | 5.5 | 158.7 | 184.4 | 21.2 | 510.9 | 585.3 | *74.2* | *158.7* |
| 1981 | 0.9 | 77.1 | 114.9 | 8.9 | 4.9 | 158.9 | 135.4 | 24.5 | 447.5 | 525.5 | *78.7* | *158.9* |
| 1982 | 0.8 | 79.3 | 119.4 | 6.1 | 5.1 | 157.9 | 133.9 | 20.8 | 443.1 | 523.2 | *80.4* | *157.9* |
| 1983 | 0.7 | 76.3 | 98.5 | 5.4 | 5.2 | 160.4 | 146.6 | 18.8 | 434.8 | 511.8 | *76.6* | *160.4* |
| 1984 | 1.5 | 83.2 | 119.7 | 5.7 | 5.0 | 162.1 | 157.7 | 24.0 | 474.3 | 559.0 | *83.5* | *162.1* |
| 1985 | 21.3 | 80.2 | 120.5 | 6.1 | 4.6 | 162.8 | 132.3 | 30.9 | 457.2 | 558.7 | *80.6* | *162.8* |
| 1986 | 21.2 | 81.0 | 130.6 | 7.1 | 4.1 | 167.4 | 140.1 | 26.5 | 475.8 | 577.9 | *81.3* | *167.4* |
| 1987 | 21.4 | 94.5 | 137.7 | 10.1 | 5.7 | 170.3 | 119.1 | 27.0 | 470.0 | 585.9 | *94.7* | *170.3* |
| 1988 | 23.1 | 90.7 | 149.0 | 12.2 | 5.5 | 172.5 | 137.4 | 25.7 | 502.4 | 616.2 | *90.9* | *172.5* |
| 1989 | 23.8 | 101.7 | 161.1 | 12.7 | 5.8 | 169.5 | 139.3 | 25.0 | 513.4 | 638.9 | *102.0* | *169.5* |
| 1990 | 38.5 | 108.8 | 135.5 | 13.3 | 5.8 | 163.6 | 104.1 | 22.7 | 444.9 | 592.2 | *109.0* | *163.6* |
| 1991 | 38.6 | 115.7 | 129.8 | 12.7 | 5.4 | 167.4 | 91.3 | 26.2 | 432.8 | 587.0 | *115.8* | *167.4* |
| 1992 | 39.2 | 126.1 | 146.0 | 13.0 | 6.8 | 171.2 | 68.3 | 23.8 | 429.1 | 594.4 | *126.2* | *171.2* |
| 1993 | 37.3 | 125.8 | 134.7 | 13.1 | 6.1 | 173.3 | 55.5 | 23.4 | 406.1 | 569.2 | *125.9* | *173.9* |
| 1994 | 38.6 | 134.4 | 128.4 | 13.9 | 5.4 | 170.5 | 47.6 | 24.3 | 389.9 | 562.9 | *134.4* | *170.9* |
| 1995 | 40.8 | 144.9 | 124.2 | 14.1 | 5.1 | 159.4 | 42.8 | 25.3 | 371.0 | 556.6 | *144.9* | *159.5* |
| 1996 | 41.1 | 139.1 | 129.1 | 15.4 | 5.5 | 170.1 | 65.4 | 36.3 | 421.8 | 602.0 | *139.2* | *170.4* |
| 1997 | 45.0 | 148.6 | 129.2 | 13.4 | 6.3 | 171.4 | 92.3 | 36.4 | 448.9 | 642.5 | *148.6* | *171.7* |
| 1998 | 32.6 | 134.9 | 115.8 | 12.6 | 8.1 | 174.8 | 94.2 | 32.8 | R 438.3 | 605.7 | *134.9* | *175.1* |
| 1999 | 15.2 | 155.9 | 130.5 | 13.9 | 6.1 | 188.8 | 90.7 | 33.4 | 463.4 | 634.5 | *155.9* | *189.1* |
| 2000 | 36.2 | 163.7 | 137.3 | 14.7 | 7.7 | 181.7 | 74.4 | 33.9 | 449.7 | 649.7 | *163.7* | *182.0* |
| 2001 | 40.0 | 149.3 | 144.6 | 13.4 | 8.8 | 184.5 | 56.8 | 15.2 | 423.2 | 612.5 | *149.4* | *184.6* |
| 2002 | 34.2 | 181.7 | 130.4 | 12.5 | 7.5 | 194.7 | 27.9 | 13.7 | 386.6 | 602.4 | *181.7* | *195.0* |
| 2003 | 41.9 | 157.3 | 150.8 | 12.0 | 10.7 | 209.1 | 29.5 | 22.3 | 434.4 | R 633.6 | *157.3* | *210.9* |
| 2004 | 44.0 | 165.9 | 168.1 | 13.5 | 11.1 | R 214.4 | 25.7 | 24.3 | R 457.1 | R 667.0 | *166.1* | *227.2* |
| 2005 | 42.0 | 171.2 | 154.5 | 14.0 | 14.4 | R 198.0 | 41.6 | 27.3 | R 449.7 | R 662.9 | *171.4* | *201.4* |
| 2006 | 45.7 | 175.9 | 141.6 | 12.8 | 13.3 | R 186.8 | 19.3 | R 23.9 | R 397.8 | R 619.4 | *176.0* | *196.8* |
| 2007 | 39.9 | 184.1 | 141.4 | 11.7 | 12.1 | R 185.7 | 17.6 | R 16.5 | R 384.9 | R 609.0 | *184.1* | *197.8* |
| 2008 | 45.2 | 169.8 | R 137.3 | 10.8 | 10.4 | R 179.0 | 7.3 | R 8.9 | R 353.6 | R 568.6 | *169.8* | *189.1* |
| 2009 | 26.3 | 187.8 | 131.5 | 8.0 | 11.4 | 177.5 | 5.0 | 8.0 | 341.3 | 555.3 | *187.8* | *189.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 4.6 | 12.8 | NA | NA | 12.8 | 0.0 | NA | NA | 17.4 | -2.8 | 0.0 | 508.2 |
| 1965 | 0.0 | 2.0 | 13.5 | NA | NA | 13.5 | 0.0 | NA | NA | 15.5 | -3.2 | 0.0 | 572.0 |
| 1970 | 39.6 | 3.5 | 15.8 | NA | NA | 15.8 | 0.0 | NA | NA | 19.3 | -34.0 | 0.0 | R 722.3 |
| 1971 | 84.2 | 4.1 | 16.1 | NA | NA | 16.1 | 0.0 | NA | NA | 20.2 | R -65.0 | 0.0 | R 684.6 |
| 1972 | 83.9 | 5.6 | 17.1 | NA | NA | 17.1 | 0.0 | NA | NA | 22.7 | R -63.3 | 0.0 | R 720.0 |
| 1973 | 46.9 | 4.6 | 17.2 | NA | NA | 17.2 | 0.0 | NA | NA | 21.9 | R -19.0 | 0.0 | R 745.7 |
| 1974 | 89.0 | 4.5 | 18.0 | NA | NA | 18.0 | 0.0 | NA | NA | 22.5 | R -45.0 | 0.0 | R 716.9 |
| 1975 | 89.6 | 5.1 | 17.1 | NA | NA | 17.1 | 0.0 | NA | NA | 22.2 | R -21.2 | 0.0 | R 691.9 |
| 1976 | 136.2 | 4.0 | 19.9 | NA | NA | 19.9 | 0.0 | NA | NA | 23.9 | R -40.9 | 0.0 | R 746.5 |
| 1977 | 141.9 | 4.5 | 19.6 | NA | NA | 19.6 | 0.0 | NA | NA | 24.1 | R -34.4 | 0.0 | R 753.6 |
| 1978 | 151.7 | 3.7 | 22.7 | NA | NA | 22.7 | 0.0 | NA | NA | 26.4 | R -39.5 | 0.0 | R 775.1 |
| 1979 | 138.2 | 4.8 | 24.6 | NA | NA | 24.6 | 0.0 | NA | NA | 29.4 | R -14.9 | 0.0 | R 763.7 |
| 1980 | 129.1 | 2.7 | 41.1 | NA | NA | 41.1 | 0.0 | NA | NA | 43.7 | R -21.3 | 0.0 | R 736.8 |
| 1981 | 139.8 | 2.7 | 40.1 | 0.1 | 0.0 | 40.2 | 0.0 | NA | NA | 43.0 | R -1.5 | 0.0 | R 706.8 |
| 1982 | 150.9 | 3.9 | 37.6 | (s) | 0.0 | 37.6 | 0.0 | NA | NA | 41.5 | R -10.6 | 0.0 | R 704.9 |
| 1983 | 126.4 | 4.0 | 44.2 | (s) | 0.0 | 44.2 | 0.0 | NA | 0.0 | 48.2 | R 8.8 | 0.0 | R 695.2 |
| 1984 | 155.0 | 3.9 | 37.1 | (s) | 0.0 | 37.2 | 0.0 | 0.0 | 0.0 | 41.1 | R -32.2 | 0.0 | R 722.9 |
| 1985 | 135.1 | 2.8 | 37.5 | 0.1 | 0.0 | 37.6 | 0.0 | 0.0 | 0.0 | 40.4 | R -3.7 | 0.1 | R 730.7 |
| 1986 | 197.5 | 3.9 | 31.6 | (s) | 0.0 | 31.7 | 0.0 | 0.0 | 0.0 | 35.6 | R -68.1 | 1.5 | R 744.4 |
| 1987 | 214.5 | 3.6 | 27.2 | 0.0 | 0.0 | 27.2 | 0.0 | 0.0 | 0.0 | 30.8 | R -65.0 | 2.0 | R 768.1 |
| 1988 | 235.9 | 3.4 | 31.0 | 0.0 | 0.0 | 31.0 | 0.0 | 0.0 | 0.0 | 34.4 | R -88.7 | 2.3 | R 800.1 |
| 1989 | 207.0 | 4.6 | 31.4 | 0.0 | 0.0 | 31.4 | 0.0 | 0.1 | 0.0 | 36.0 | R -66.9 | 0.8 | R 815.9 |
| 1990 | 209.3 | 5.9 | 28.7 | 0.0 | 0.0 | 28.7 | 0.0 | 0.1 | 0.0 | 34.7 | R -66.1 | 0.1 | R 770.3 |
| 1991 | 128.4 | 4.5 | 30.3 | 0.1 | 0.0 | 30.4 | 0.0 | 0.1 | 0.0 | 35.0 | R 16.4 | 1.8 | R 768.6 |
| 1992 | 175.6 | 4.4 | 34.5 | 0.5 | 0.0 | 34.9 | 0.0 | 0.1 | 0.0 | 39.4 | R -9.9 | 3.1 | R 802.6 |
| 1993 | 229.0 | 4.3 | 34.8 | 0.6 | 0.0 | 35.3 | 0.0 | 0.1 | 0.0 | 39.7 | R -46.4 | 3.7 | R 795.2 |
| 1994 | 210.7 | 5.0 | 35.3 | 0.4 | 0.0 | 35.7 | 0.0 | 0.1 | 0.0 | 40.8 | R -23.7 | 4.0 | R 794.8 |
| 1995 | 197.0 | 3.8 | 42.2 | 0.1 | 0.0 | 42.3 | 0.0 | 0.2 | 0.0 | 46.2 | R -27.5 | 4.4 | R 776.7 |
| 1996 | 65.4 | 6.5 | 49.4 | 0.3 | 0.0 | 49.7 | 0.0 | 0.2 | 0.0 | 56.3 | R 99.9 | 4.5 | R 828.2 |
| 1997 | -1.3 | 4.6 | 45.9 | 0.3 | 0.0 | R 46.2 | 0.0 | 0.2 | 0.0 | 51.0 | R 125.2 | 5.8 | R 823.1 |
| 1998 | 34.0 | 4.6 | 44.4 | 0.3 | 0.0 | 44.7 | 0.0 | 0.2 | 0.0 | 49.5 | R 108.4 | 6.0 | R 803.6 |
| 1999 | 132.5 | 4.3 | 44.9 | 0.3 | 0.0 | 45.2 | (s) | 0.3 | 0.0 | 49.8 | R 29.7 | 6.6 | R 853.0 |
| 2000 | 170.7 | 5.4 | 45.1 | 0.3 | 0.0 | 45.5 | (s) | 0.3 | 0.0 | 51.1 | R -21.4 | 5.4 | R 855.4 |
| 2001 | 161.1 | 3.0 | 26.5 | 0.1 | 0.0 | R 26.6 | (s) | 0.3 | 0.0 | 29.9 | R 29.0 | 2.6 | R 835.2 |
| 2002 | 155.8 | 3.4 | 24.5 | 0.3 | 0.0 | 24.8 | (s) | 0.4 | 0.0 | R 28.6 | R 41.6 | 1.1 | R 829.5 |
| 2003 | 167.5 | 5.8 | 25.1 | 1.7 | 0.0 | R 26.8 | (s) | R 0.4 | 0.0 | 33.1 | R 52.6 | 1.2 | R 887.9 |
| 2004 | 172.5 | 4.6 | 25.1 | 12.8 | 0.0 | R 37.9 | (s) | 0.5 | 0.0 | R 43.0 | R 36.9 | 3.4 | R 922.7 |
| 2005 | 162.4 | 4.8 | R 20.4 | 3.4 | 0.0 | R 23.8 | (s) | R 0.6 | 0.0 | R 29.2 | R 34.6 | 3.9 | R 893.0 |
| 2006 | 173.1 | 5.4 | R 19.6 | 10.0 | 0.0 | R 29.6 | (s) | R 0.8 | 0.0 | R 35.8 | R 8.0 | 4.0 | R 840.3 |
| 2007 | 171.8 | 3.6 | R 19.6 | 12.2 | 0.0 | R 31.7 | (s) | 1.0 | 0.0 | R 36.3 | R 44.0 | 5.1 | R 866.2 |
| 2008 | 161.3 | 5.5 | R 19.8 | 10.1 | 0.0 | R 29.9 | (s) | R 1.1 | 0.0 | R 36.5 | R 33.6 | R 6.8 | R 806.8 |
| 2009 | 174.2 | 5.0 | 19.8 | 12.1 | 0.0 | 31.9 | (s) | 1.3 | 0.0 | 38.2 | 12.5 | 8.2 | 788.4 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 1,074 | 27 | 23,290 | 1,129 | 1,092 | 19,349 | 13,025 | 3,678 | 61,562 | 26 | – – | – – | – – | – – | 7,386 | – – | – – | – – |
| 1965 | 859 | 40 | 21,060 | 1,411 | 1,383 | 22,933 | 14,609 | 4,029 | 65,425 | 9 | – – | – – | – – | – – | 10,547 | – – | – – | – – |
| 1970 | 185 | 60 | 23,099 | 2,897 | 1,854 | 28,638 | 15,064 | 8,680 | 80,232 | 3 | – – | – – | – – | – – | 16,139 | – – | – – | – – |
| 1975 | 51 | 64 | 21,492 | 2,013 | 2,209 | 31,822 | 10,362 | 2,953 | 70,851 | 7 | – – | – – | – – | – – | 18,499 | – – | – – | – – |
| 1980 | 16 | 73 | 22,188 | 1,921 | 1,501 | 30,205 | 7,906 | 3,677 | 67,398 | 6 | – – | – – | – – | – – | 21,201 | – – | – – | – – |
| 1985 | 41 | 77 | 20,597 | 1,085 | 1,283 | 30,999 | 4,034 | 5,149 | 63,146 | 6 | – – | – – | – – | – – | 23,482 | – – | – – | – – |
| 1990 | 13 | 93 | 23,066 | 2,344 | 1,592 | 31,140 | 2,533 | 3,765 | 64,440 | 8 | – – | – – | – – | – – | 27,187 | – – | – – | – – |
| 1995 | 25 | 112 | 21,153 | 2,489 | 1,410 | 30,591 | 1,214 | 4,194 | 61,050 | 6 | – – | – – | – – | – – | 27,970 | – – | – – | – – |
| 2000 | 4 | 125 | 23,436 | 2,599 | 2,130 | 34,933 | 619 | 6,077 | 69,794 | 0 | – – | – – | – – | – – | 29,952 | – – | – – | – – |
| 2001 | 4 | 114 | 24,714 | 2,356 | 2,422 | 35,437 | 773 | 2,582 | 68,285 | 0 | – – | – – | – – | – – | 30,541 | – – | – – | – – |
| 2002 | 4 | 113 | 22,306 | 2,201 | 2,065 | 37,436 | 670 | 2,318 | 66,995 | 0 | – – | – – | – – | – – | 31,005 | – – | – – | – – |
| 2003 | 4 | 112 | 25,709 | 2,108 | 2,954 | 40,498 | 1,471 | 3,673 | 76,413 | 0 | – – | – – | – – | – – | 31,830 | – – | – – | – – |
| 2004 | 4 | 104 | 28,738 | 2,382 | 3,057 | 43,565 | 1,455 | 4,018 | 83,215 | 0 | – – | – – | – – | – – | 32,215 | – – | – – | – – |
| 2005 | 6 | 104 | 26,417 | 2,461 | 3,973 | 38,601 | 1,484 | 4,501 | 77,437 | 0 | – – | – – | – – | – – | 33,095 | – – | – – | – – |
| 2006 | 4 | 97 | 24,245 | 2,249 | 3,698 | 37,710 | 911 | 3,959 | 72,772 | 0 | – – | – – | – – | – – | 31,677 | – – | – – | – – |
| 2007 | 3 | 107 | 24,209 | 2,056 | 3,364 | 37,906 | 598 | 2,770 | 70,903 | 0 | – – | – – | – – | – – | 34,129 | – – | – – | – – |
| 2008 | 0 | 107 | 23,500 | 1,908 | 2,880 | 36,236 | 280 | 1,575 | 66,378 | 0 | – – | – – | – – | – – | 30,957 | – – | – – | – – |
| 2009 | 0 | 113 | 22,526 | 1,408 | 3,192 | 36,342 | 298 | 1,417 | 65,182 | 0 | – – | – – | – – | – – | 29,716 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 28.0 | 27.6 | 135.7 | 6.4 | 4.4 | 101.6 | 81.9 | 22.0 | 351.9 | 0.3 | 12.8 | NA | NA | NA | 25.2 | 445.9 | 62.3 | 508.2 |
| 1965 | 22.5 | 41.4 | 122.7 | 8.0 | 5.5 | 120.5 | 91.8 | 24.2 | 372.7 | 0.1 | 13.5 | NA | NA | NA | 36.0 | 486.1 | 85.9 | 572.0 |
| 1970 | 4.4 | 61.4 | 134.5 | 16.4 | 7.0 | 150.4 | 94.7 | 49.3 | 452.4 | (s) | 15.8 | NA | NA | NA | 55.1 | 589.1 | 133.2 | 722.3 |
| 1975 | 1.2 | 64.0 | 125.2 | 11.4 | 8.2 | 167.2 | 65.1 | 18.0 | 395.1 | 0.1 | 17.1 | NA | NA | NA | 63.1 | 540.5 | 151.4 | 691.9 |
| 1980 | 0.4 | 74.2 | 129.2 | 10.9 | 5.5 | 158.7 | 49.7 | 21.2 | 375.2 | 0.1 | 41.1 | NA | NA | NA | 72.3 | 563.1 | 173.8 | 736.8 |
| 1985 | 0.9 | 79.0 | 120.0 | 6.1 | 4.6 | 162.8 | 25.4 | 30.9 | 349.8 | 0.1 | 37.5 | 0.0 | NA | NA | 80.1 | 547.1 | 183.5 | 730.7 |
| 1990 | 0.3 | 95.9 | 134.4 | 13.3 | 5.8 | 163.6 | 15.9 | 22.7 | 355.6 | 0.1 | 12.8 | 0.0 | 0.0 | 0.1 | 92.8 | 557.4 | 212.8 | 770.3 |
| 1995 | 0.6 | 115.4 | 123.2 | 14.1 | 5.1 | 159.5 | 7.6 | 25.3 | 334.9 | 0.1 | 14.8 | 0.0 | 0.0 | 0.2 | 95.4 | 561.3 | 215.4 | 776.7 |
| 2000 | 0.1 | 128.9 | 136.5 | 14.7 | 7.7 | 182.0 | 3.9 | 33.9 | 378.7 | 0.0 | 14.1 | 0.0 | (s) | 0.3 | 102.2 | 624.3 | 231.1 | 855.4 |
| 2001 | 0.1 | 116.7 | 144.0 | 13.4 | 8.8 | 184.6 | 4.9 | 15.2 | 370.8 | 0.0 | 12.2 | 0.0 | (s) | 0.3 | 104.2 | 604.3 | 230.9 | 835.2 |
| 2002 | 0.1 | 115.2 | 129.9 | 12.5 | 7.5 | 195.0 | 4.2 | 13.7 | 362.7 | 0.0 | 10.8 | 0.0 | (s) | 0.4 | 105.8 | 595.1 | 234.4 | 829.5 |
| 2003 | 0.1 | 114.4 | 149.8 | 12.0 | 10.7 | 210.9 | 9.2 | 22.3 | 414.9 | 0.0 | 11.3 | 0.0 | (s) | 0.4 | 108.6 | 649.7 | 238.3 | 887.9 |
| 2004 | 0.1 | 106.3 | 167.4 | 13.5 | 11.1 | 227.2 | 9.1 | 24.3 | 452.6 | 0.0 | 11.6 | 0.0 | (s) | 0.5 | 109.9 | 681.0 | 241.8 | 922.7 |
| 2005 | 0.1 | 106.8 | 153.9 | 14.0 | 14.4 | 201.4 | 9.3 | 27.3 | 420.3 | 0.0 | 6.8 | 0.0 | (s) | 0.6 | 112.9 | 647.4 | 245.5 | 893.0 |
| 2006 | 0.1 | 99.2 | 141.2 | 12.8 | 13.3 | 196.8 | 5.7 | 23.9 | 393.7 | 0.0 | 6.0 | 0.0 | (s) | 0.8 | 108.1 | 607.9 | 232.4 | 840.3 |
| 2007 | 0.1 | 109.6 | 141.0 | 11.7 | 12.1 | 197.8 | 3.8 | 16.5 | 382.9 | 0.0 | 6.4 | 0.0 | (s) | 1.0 | 116.4 | 616.5 | 249.8 | 866.2 |
| 2008 | 0.0 | 109.6 | 136.9 | 10.8 | 10.4 | 189.1 | 1.8 | 8.9 | 357.8 | 0.0 | 6.5 | 0.0 | (s) | 1.1 | 105.6 | 580.7 | 226.1 | 806.8 |
| 2009 | 0.0 | 116.1 | 131.2 | 8.0 | 11.4 | 189.6 | 1.9 | 8.0 | 350.0 | 0.0 | 6.3 | 0.0 | (s) | 1.3 | 101.4 | 575.1 | 213.4 | 788.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 114 | 16 | 15,480 | 1,507 | 485 | 17,472 | 255 | – – | – – | 2,724 | – – | – – | – – |
| 1965 | 46 | 22 | 13,649 | 1,101 | 538 | 15,288 | 239 | – – | – – | 3,812 | – – | – – | – – |
| 1970 | 24 | 31 | 14,239 | 526 | 623 | 15,388 | 308 | – – | – – | 6,396 | – – | – – | – – |
| 1975 | 7 | 32 | 12,950 | 291 | 596 | 13,838 | 332 | – – | – – | 7,449 | – – | – – | – – |
| 1980 | 3 | 32 | 13,468 | 233 | 462 | 14,163 | 1,104 | – – | – – | 8,218 | – – | – – | – – |
| 1985 | 8 | 33 | 10,896 | 605 | 496 | 11,997 | 776 | – – | – – | 8,638 | – – | – – | – – |
| 1990 | 2 | 37 | 13,576 | 196 | 665 | 14,437 | 483 | – – | – – | 10,376 | – – | – – | – – |
| 1995 | 3 | 41 | 12,528 | 122 | 679 | 13,329 | 523 | – – | – – | 10,760 | – – | – – | – – |
| 1996 | 1 | 44 | 13,202 | 124 | 824 | 14,151 | 543 | – – | – – | 10,943 | – – | – – | – – |
| 1997 | 1 | 41 | 12,949 | 143 | 938 | 14,031 | 390 | – – | – – | 10,859 | – – | – – | – – |
| 1998 | 1 | 35 | 11,060 | 126 | 1,188 | 12,374 | 346 | – – | – – | 10,935 | – – | – – | – – |
| 1999 | 1 | 38 | 12,905 | 177 | 918 | 14,000 | 365 | – – | – – | 11,619 | – – | – – | – – |
| 2000 | (s) | 42 | 14,123 | 199 | 1,036 | 15,358 | 392 | – – | – – | 11,645 | – – | – – | – – |
| 2001 | (s) | 41 | 13,603 | 161 | 1,077 | 14,840 | 304 | – – | – – | 11,975 | – – | – – | – – |
| 2002 | (s) | 40 | 13,095 | 92 | 1,161 | 14,348 | 308 | – – | – – | 12,473 | – – | – – | – – |
| 2003 | 1 | 46 | 15,298 | 270 | 1,326 | 16,895 | 325 | – – | – – | 13,178 | – – | – – | – – |
| 2004 | (s) | 44 | 17,021 | 349 | 1,308 | 18,678 | 333 | – – | – – | 13,211 | – – | – – | – – |
| 2005 | (s) | 45 | 14,916 | 326 | 1,287 | 16,529 | R 124 | – – | – – | 13,803 | – – | – – | – – |
| 2006 | (s) | 39 | 12,895 | 232 | 1,069 | 14,196 | R 113 | – – | – – | 12,963 | – – | – – | – – |
| 2007 | (s) | 43 | 13,037 | 129 | 1,176 | 14,342 | R 124 | – – | – – | 13,372 | – – | – – | – – |
| 2008 | 0 | 43 | R 12,752 | 56 | 1,491 | R 14,299 | R 130 | – – | – – | 12,730 | – – | – – | – – |
| 2009 | 0 | 44 | 12,740 | 46 | 1,636 | 14,422 | 124 | – – | – – | 12,578 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 2.8 | 16.6 | 90.2 | 8.5 | 1.9 | 100.7 | 5.1 | NA | NA | 9.3 | 134.5 | 23.0 | 157.4 |
| 1965 | 1.1 | 22.7 | 79.5 | 6.2 | 2.2 | 87.9 | 4.8 | NA | NA | 13.0 | 129.5 | R 31.0 | 160.6 |
| 1970 | 0.6 | 31.7 | 82.9 | 3.0 | 2.4 | 88.3 | 6.2 | NA | NA | 21.8 | 148.5 | 52.8 | 201.3 |
| 1975 | 0.1 | 32.3 | 75.4 | 1.7 | 2.2 | 79.3 | 6.6 | NA | NA | 25.4 | 143.8 | R 61.0 | R 204.8 |
| 1980 | 0.1 | 32.7 | 78.5 | 1.3 | 1.7 | 81.5 | 22.1 | NA | NA | 28.0 | 164.4 | R 67.4 | R 231.7 |
| 1985 | 0.2 | 33.8 | 63.5 | 3.4 | 1.8 | 68.7 | 15.5 | NA | NA | 29.5 | 147.5 | R 67.5 | R 215.0 |
| 1990 | 0.1 | 38.7 | 79.1 | 1.1 | 2.4 | 82.6 | 9.7 | 0.0 | 0.1 | 35.4 | 166.4 | R 81.2 | R 247.7 |
| 1995 | 0.1 | 42.0 | 73.0 | 0.7 | 2.5 | 76.1 | 10.5 | 0.0 | 0.2 | 36.7 | 165.5 | R 82.9 | R 248.4 |
| 1996 | (s) | 45.0 | 76.9 | 0.7 | 3.0 | 80.6 | 10.9 | 0.0 | 0.2 | 37.3 | 174.0 | R 84.4 | R 258.4 |
| 1997 | (s) | 41.7 | 75.4 | 0.8 | 3.4 | 79.6 | 7.8 | 0.0 | 0.2 | 37.1 | 166.4 | R 83.4 | R 249.8 |
| 1998 | (s) | 36.2 | 64.4 | 0.7 | 4.3 | 69.4 | 6.9 | 0.0 | 0.2 | 37.3 | 150.2 | R 84.1 | R 234.2 |
| 1999 | (s) | 39.3 | 75.2 | 1.0 | 3.3 | 79.5 | 7.3 | (s) | 0.3 | 39.6 | 166.0 | R 90.1 | R 256.1 |
| 2000 | (s) | 42.7 | 82.3 | 1.1 | 3.7 | 87.1 | 7.8 | (s) | 0.3 | 39.7 | 177.7 | R 89.9 | R 267.6 |
| 2001 | (s) | 42.0 | 79.2 | 0.9 | 3.9 | 84.0 | 6.1 | (s) | 0.3 | 40.9 | 173.3 | R 90.5 | R 263.8 |
| 2002 | (s) | 41.3 | 76.3 | 0.5 | 4.2 | 81.0 | 6.2 | (s) | 0.4 | 42.6 | 171.4 | R 94.3 | R 265.7 |
| 2003 | (s) | 46.8 | 89.1 | 1.5 | 4.8 | 95.5 | 6.5 | (s) | R 0.4 | 45.0 | 194.2 | R 98.6 | R 292.8 |
| 2004 | (s) | 45.3 | 99.1 | 2.0 | 4.7 | 105.9 | 6.7 | (s) | 0.5 | 45.1 | 203.3 | R 99.1 | R 302.5 |
| 2005 | (s) | 45.7 | 86.9 | 1.8 | 4.7 | 93.4 | R 2.5 | (s) | R 0.6 | 47.1 | R 189.2 | R 102.4 | R 291.6 |
| 2006 | (s) | 40.1 | 75.1 | 1.3 | 3.9 | 80.3 | R 2.3 | (s) | R 0.8 | 44.2 | R 167.7 | R 95.1 | R 262.8 |
| 2007 | (s) | 44.6 | 75.9 | 0.7 | 4.2 | 80.9 | R 2.5 | (s) | 1.0 | 45.6 | R 174.6 | R 97.9 | R 272.5 |
| 2008 | 0.0 | 43.8 | R 74.3 | 0.3 | 5.4 | R 80.0 | R 2.6 | (s) | R 1.1 | 43.4 | R 171.0 | R 93.0 | R 263.9 |
| 2009 | 0.0 | 45.0 | 74.2 | 0.3 | 5.8 | 80.3 | 2.5 | (s) | 1.3 | 42.9 | 172.1 | 90.3 | 262.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 79 | 3 | 5,029 | 52 | 250 | 63 | 871 | 6,264 | NA | – – | – – | 1,825 | – – | – – | – – |
| 1965 | 35 | 6 | 4,434 | 38 | 277 | 76 | 958 | 5,783 | NA | – – | – – | 2,873 | – – | – – | – – |
| 1970 | 19 | 15 | 4,626 | 18 | 321 | 97 | 995 | 6,057 | NA | – – | – – | 4,649 | – – | – – | – – |
| 1975 | 16 | 16 | 4,207 | 10 | 307 | 239 | 656 | 5,420 | NA | – – | – – | 6,000 | – – | – – | – – |
| 1980 | 13 | 20 | 2,905 | 7 | 238 | 275 | 1,171 | 4,596 | NA | – – | – – | 7,039 | – – | – – | – – |
| 1985 | 29 | 25 | 3,961 | 64 | 256 | 142 | 1,679 | 6,102 | NA | – – | – – | 8,731 | – – | – – | – – |
| 1990 | 10 | 29 | 3,481 | 51 | 343 | 204 | 1,034 | 5,113 | 0 | – – | – – | 10,711 | – – | – – | – – |
| 1995 | 22 | 38 | 3,017 | 27 | 350 | 250 | 447 | 4,092 | 0 | – – | – – | 11,297 | – – | – – | – – |
| 1996 | 5 | 40 | 2,958 | 72 | 424 | 823 | 455 | 4,732 | 0 | – – | – – | 11,546 | – – | – – | – – |
| 1997 | 7 | 43 | 2,935 | 104 | 483 | 983 | 321 | 4,826 | 0 | – – | – – | 11,654 | – – | – – | – – |
| 1998 | 6 | 42 | 2,630 | 176 | 612 | 725 | 160 | 4,303 | 0 | – – | – – | 12,184 | – – | – – | – – |
| 1999 | 4 | 48 | 2,649 | 82 | 473 | 778 | 210 | 4,192 | 0 | – – | – – | 12,349 | – – | – – | – – |
| 2000 | 4 | 48 | 2,983 | 119 | 534 | 825 | 218 | 4,679 | 0 | – – | – – | 12,496 | – – | – – | – – |
| 2001 | 4 | 44 | 3,403 | 231 | 555 | 290 | 165 | 4,644 | 0 | – – | – – | 12,994 | – – | – – | – – |
| 2002 | 4 | 41 | 2,885 | 132 | 598 | 821 | 321 | 4,757 | 0 | – – | – – | 13,162 | – – | – – | – – |
| 2003 | 3 | 39 | 3,495 | 125 | 830 | 1,850 | 705 | 7,004 | 0 | – – | – – | 13,094 | – – | – – | – – |
| 2004 | 4 | 36 | 3,547 | 172 | 720 | 152 | 329 | 4,920 | 0 | – – | – – | 13,455 | – – | – – | – – |
| 2005 | 5 | 36 | 3,008 | 266 | 568 | 190 | 353 | 4,385 | 0 | – – | – – | 13,949 | – – | – – | – – |
| 2006 | 3 | 33 | 2,726 | 181 | 469 | 46 | 317 | 3,739 | 0 | – – | – – | 13,611 | – – | – – | – – |
| 2007 | 3 | 36 | 2,607 | 34 | 625 | 40 | 190 | 3,496 | 0 | – – | – – | 15,126 | – – | – – | – – |
| 2008 | 0 | 38 | R 2,525 | 37 | 779 | 76 | 109 | R 3,526 | 0 | – – | – – | 13,665 | – – | – – | – – |
| 2009 | 0 | 40 | 2,073 | 17 | 869 | 41 | 98 | 3,099 | 0 | – – | – – | 13,257 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.0 | 3.3 | 29.3 | 0.3 | 1.0 | 0.3 | 5.5 | 36.4 | NA | 0.1 | NA | 6.2 | 48.0 | 15.4 | 63.4 |
| 1965 | 0.8 | 5.9 | 25.8 | 0.2 | 1.1 | 0.4 | 6.0 | 33.6 | NA | 0.1 | NA | 9.8 | 50.2 | 23.4 | 73.6 |
| 1970 | 0.4 | 14.7 | 26.9 | 0.1 | 1.2 | 0.5 | 6.3 | 35.0 | NA | 0.1 | NA | 15.9 | 66.2 | 38.4 | R 104.5 |
| 1975 | 0.3 | 16.0 | 24.5 | 0.1 | 1.1 | 1.3 | 4.1 | 31.1 | NA | 0.1 | NA | 20.5 | 68.0 | R 49.1 | R 117.1 |
| 1980 | 0.3 | 20.6 | 16.9 | (s) | 0.9 | 1.4 | 7.4 | 26.6 | NA | 0.5 | NA | 24.0 | 72.1 | R 57.7 | R 129.7 |
| 1985 | 0.7 | 25.3 | 23.1 | 0.4 | 0.9 | 0.7 | 10.6 | 35.7 | NA | 0.4 | NA | 29.8 | 91.7 | R 68.2 | R 159.9 |
| 1990 | 0.2 | 30.4 | 20.3 | 0.3 | 1.2 | 1.1 | 6.5 | 29.4 | 0.0 | 1.1 | 0.0 | 36.5 | 97.6 | R 83.9 | R 181.4 |
| 1995 | 0.5 | 39.0 | 17.6 | 0.2 | 1.3 | 1.3 | 2.8 | 23.1 | 0.0 | 1.4 | 0.0 | 38.5 | 102.6 | R 87.0 | R 189.6 |
| 1996 | 0.1 | 40.9 | 17.2 | 0.4 | 1.5 | 4.3 | 2.9 | 26.3 | 0.0 | 9.1 | 0.0 | 39.4 | 115.9 | R 89.0 | R 204.9 |
| 1997 | 0.2 | 43.8 | 17.1 | 0.6 | 1.7 | 5.1 | 2.0 | 26.6 | 0.0 | 8.9 | 0.0 | 39.8 | 119.2 | R 89.5 | R 208.7 |
| 1998 | 0.2 | 43.4 | 15.3 | 1.0 | 2.2 | 3.8 | 1.0 | 23.3 | 0.0 | 9.0 | 0.0 | 41.6 | 117.5 | R 93.7 | R 211.2 |
| 1999 | 0.1 | 48.7 | 15.4 | 0.5 | 1.7 | 4.1 | 1.3 | 23.0 | 0.0 | 9.2 | 0.0 | 42.1 | 123.1 | R 95.8 | R 218.9 |
| 2000 | 0.1 | 49.9 | 17.4 | 0.7 | 1.9 | 4.3 | 1.4 | 25.6 | 0.0 | 1.3 | 0.0 | 42.6 | 119.5 | R 96.4 | R 215.9 |
| 2001 | 0.1 | 45.4 | 19.8 | 1.3 | 2.0 | 1.5 | 1.0 | 25.7 | 0.0 | 1.1 | 0.0 | 44.3 | 116.6 | R 98.2 | R 214.8 |
| 2002 | 0.1 | 41.5 | 16.8 | 0.7 | 2.2 | 4.3 | 2.0 | 26.0 | 0.0 | 1.1 | 0.0 | 44.9 | 113.6 | R 99.5 | R 213.1 |
| 2003 | 0.1 | 39.8 | 20.4 | 0.7 | 3.0 | 9.6 | 4.4 | 38.1 | 0.0 | 1.1 | 0.0 | 44.7 | 123.8 | R 98.0 | R 221.8 |
| 2004 | 0.1 | 36.4 | 20.7 | 1.0 | 2.6 | 0.8 | 2.1 | 27.1 | 0.0 | 1.1 | 0.0 | 45.9 | 110.5 | R 101.0 | R 211.5 |
| 2005 | 0.1 | 36.7 | 17.5 | 1.5 | 2.1 | 1.0 | 2.2 | 24.3 | 0.0 | R 0.4 | 0.0 | 47.6 | R 109.0 | R 103.5 | R 212.5 |
| 2006 | 0.1 | 33.5 | 15.9 | 1.0 | 1.7 | 0.2 | 2.0 | 20.8 | 0.0 | R 0.4 | 0.0 | 46.4 | R 101.2 | R 99.8 | R 201.1 |
| 2007 | 0.1 | 37.0 | 15.2 | 0.2 | 2.2 | 0.2 | 1.2 | 19.0 | 0.0 | R 0.4 | 0.0 | 51.6 | R 108.1 | R 110.7 | R 218.8 |
| 2008 | 0.0 | 38.4 | R 14.7 | 0.2 | 2.8 | 0.4 | 0.7 | R 18.8 | 0.0 | R 0.4 | 0.0 | 46.6 | R 104.3 | R 99.8 | R 204.1 |
| 2009 | 0.0 | 40.7 | 12.1 | 0.1 | 3.1 | 0.2 | 0.6 | 16.1 | 0.0 | 0.4 | 0.0 | 45.2 | 102.4 | 95.2 | 197.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 866 | 7 | 1,665 | 355 | 243 | 11,950 | 1,756 | 15,968 | 26 | – – | – – | – – | 2,837 | – – | – – | – – |
| 1965 | 776 | 12 | 1,561 | 564 | 248 | 13,180 | 2,463 | 18,016 | 9 | – – | – – | – – | 3,862 | – – | – – | – – |
| 1970 | 142 | 15 | 1,968 | 890 | 269 | 13,710 | 7,773 | 24,611 | 3 | – – | – – | – – | 5,094 | – – | – – | – – |
| 1975 | 29 | 16 | 1,944 | 1,280 | 36 | 9,124 | 2,365 | 14,750 | 7 | – – | – – | – – | 5,050 | – – | – – | – – |
| 1980 | 0 | 20 | 3,235 | 785 | 66 | 6,683 | 3,101 | 13,870 | 6 | – – | – – | – – | 5,944 | – – | – – | – – |
| 1985 | 4 | 19 | 1,197 | 499 | 225 | 2,202 | 4,185 | 8,308 | 6 | – – | – – | – – | 6,113 | – – | – – | – – |
| 1990 | 1 | 25 | 1,209 | 548 | 263 | 1,415 | 3,171 | 6,605 | 8 | – – | – – | – – | 6,100 | – – | – – | – – |
| 1995 | 0 | 32 | 852 | 355 | 195 | 755 | 3,762 | 5,918 | 6 | – – | – – | – – | 5,913 | – – | – – | – – |
| 1996 | 0 | 32 | 811 | 247 | 223 | 964 | 5,858 | 8,102 | 8 | – – | – – | – – | 5,928 | – – | – – | – – |
| 1997 | 0 | 35 | 847 | 295 | 232 | 387 | 5,875 | 7,636 | 8 | – – | – – | – – | 5,919 | – – | – – | – – |
| 1998 | 0 | 32 | 780 | 391 | 138 | 308 | 5,257 | 6,873 | 0 | – – | – – | – – | 5,838 | – – | – – | – – |
| 1999 | 0 | 32 | 783 | 249 | 210 | 405 | 5,428 | 7,075 | 0 | – – | – – | – – | 5,836 | – – | – – | – – |
| 2000 | 0 | 32 | 859 | 526 | 233 | 380 | 5,472 | 7,470 | 0 | – – | – – | – – | 5,811 | – – | – – | – – |
| 2001 | 0 | 26 | 1,026 | 697 | 536 | 598 | 1,877 | 4,733 | 0 | – – | – – | – – | 5,572 | – – | – – | – – |
| 2002 | 0 | 29 | 848 | 271 | 499 | 347 | 1,808 | 3,773 | 0 | – – | – – | – – | 5,370 | – – | – – | – – |
| 2003 | 0 | 24 | 1,703 | 772 | 560 | 764 | 3,017 | 6,815 | 0 | – – | – – | – – | 5,366 | – – | – – | – – |
| 2004 | 0 | 21 | 1,091 | 997 | 634 | 1,103 | 3,219 | 7,044 | 0 | – – | – – | – – | 5,358 | – – | – – | – – |
| 2005 | 1 | 20 | 930 | 2,080 | 561 | 1,109 | 3,504 | 8,184 | 0 | – – | – – | – – | 5,153 | – – | – – | – – |
| 2006 | 0 | 22 | 979 | 2,136 | 578 | 590 | R 3,206 | R 7,489 | 0 | – – | – – | – – | 4,926 | – – | – – | – – |
| 2007 | 0 | 23 | 896 | 1,546 | 445 | 393 | R 2,261 | R 5,541 | 0 | – – | – – | – – | 5,433 | – – | – – | – – |
| 2008 | 0 | 23 | R 783 | R 562 | 369 | 150 | R 1,181 | R 3,045 | 0 | – – | – – | – – | 4,371 | – – | – – | – – |
| 2009 | 0 | 25 | 852 | 648 | 354 | 174 | 1,032 | 3,060 | 0 | – – | – – | – – | 3,692 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 22.8 | 7.5 | 9.7 | 1.4 | 1.3 | 75.1 | 11.1 | 98.6 | 0.3 | 7.6 | NA | NA | 9.7 | 146.5 | 23.9 | 170.5 |
| 1965 | 20.4 | 12.7 | 9.1 | 2.3 | 1.3 | 82.9 | 15.3 | 110.8 | 0.1 | 8.7 | NA | NA | 13.2 | 165.9 | 31.5 | 197.3 |
| 1970 | 3.4 | 14.9 | 11.5 | 3.4 | 1.4 | 86.2 | 44.1 | 146.6 | (s) | 9.6 | NA | NA | 17.4 | 191.9 | R 42.0 | 233.9 |
| 1975 | 0.7 | 15.6 | 11.3 | 4.8 | 0.2 | 57.4 | 14.6 | 88.3 | 0.1 | 10.3 | NA | NA | 17.2 | 132.2 | R 41.3 | R 173.5 |
| 1980 | 0.0 | 20.8 | 18.8 | 2.9 | 0.3 | 42.0 | 17.9 | 82.0 | 0.1 | 18.5 | NA | NA | 20.3 | 141.5 | R 48.7 | R 190.2 |
| 1985 | 0.1 | 19.5 | 7.0 | 1.8 | 1.2 | 13.8 | 25.3 | 49.1 | 0.1 | 21.6 | 0.0 | NA | 20.9 | 111.2 | R 47.8 | R 159.0 |
| 1990 | (s) | 26.3 | 7.0 | 2.0 | 1.4 | 8.9 | 19.3 | 38.6 | 0.1 | 2.1 | 0.0 | 0.0 | 20.8 | 87.9 | R 47.8 | R 135.7 |
| 1995 | 0.0 | 33.1 | 5.0 | 1.3 | 1.0 | 4.7 | 22.8 | 34.8 | 0.1 | 2.9 | 0.0 | 0.0 | 20.2 | 91.1 | R 45.5 | R 136.6 |
| 1996 | 0.0 | 33.4 | 4.7 | 0.9 | 1.2 | 6.1 | 33.5 | 46.4 | 0.1 | 5.8 | 0.0 | 0.0 | 20.2 | 105.8 | R 45.7 | R 151.5 |
| 1997 | 0.0 | 35.5 | 4.9 | 1.1 | 1.2 | 2.4 | 33.4 | 43.0 | 0.1 | 6.1 | 0.0 | 0.0 | 20.2 | 104.9 | R 45.5 | R 150.4 |
| 1998 | 0.0 | 33.3 | 4.5 | 1.4 | 0.7 | 1.9 | 29.2 | 37.8 | 0.0 | 5.1 | 0.0 | 0.0 | 19.9 | 96.2 | R 44.9 | R 141.1 |
| 1999 | 0.0 | 32.8 | 4.6 | 0.9 | 1.1 | 2.5 | 30.2 | 39.3 | 0.0 | 5.3 | 0.0 | 0.0 | 19.9 | 97.2 | R 45.3 | R 142.5 |
| 2000 | 0.0 | 33.1 | 5.0 | 1.9 | 1.2 | 2.4 | 30.4 | 40.9 | 0.0 | 5.0 | 0.0 | 0.0 | 19.8 | 98.8 | R 44.8 | R 143.6 |
| 2001 | 0.0 | 26.2 | 6.0 | 2.5 | 2.8 | 3.8 | 11.2 | 26.2 | 0.0 | 5.1 | 0.0 | 0.0 | 19.0 | 76.5 | R 42.1 | R 118.6 |
| 2002 | 0.0 | 29.8 | 4.9 | 1.0 | 2.6 | 2.2 | 10.7 | 21.4 | 0.0 | 3.6 | 0.0 | 0.0 | 18.3 | 73.1 | R 40.6 | R 113.7 |
| 2003 | 0.0 | 24.2 | 9.9 | 2.8 | 2.9 | 4.8 | 18.5 | 39.0 | 0.0 | 3.6 | 0.0 | 0.0 | 18.3 | 85.1 | R 40.2 | R 125.2 |
| 2004 | 0.0 | 21.0 | 6.4 | 3.6 | 3.3 | 6.9 | 19.8 | 40.0 | 0.0 | 3.8 | 0.0 | 0.0 | 18.3 | 83.1 | R 40.2 | R 123.3 |
| 2005 | (s) | 21.0 | 5.4 | 7.5 | 2.9 | 7.0 | 21.7 | 44.6 | 0.0 | 3.9 | 0.0 | 0.0 | 17.6 | 87.0 | R 38.2 | R 125.2 |
| 2006 | 0.0 | 22.2 | 5.7 | 7.7 | 3.0 | 3.7 | R 19.7 | R 39.8 | 0.0 | R 3.4 | 0.0 | 0.0 | 16.8 | R 82.2 | R 36.1 | R 118.4 |
| 2007 | 0.0 | 23.5 | 5.2 | 5.6 | 2.3 | 2.5 | R 13.6 | R 29.2 | 0.0 | R 3.6 | 0.0 | 0.0 | 18.5 | 74.8 | R 39.8 | R 114.5 |
| 2008 | 0.0 | 23.0 | R 4.6 | 2.0 | 1.9 | 0.9 | R 6.6 | R 16.1 | 0.0 | R 3.5 | 0.0 | 0.0 | 14.9 | 57.5 | R 31.9 | R 89.4 |
| 2009 | 0.0 | 25.2 | 5.0 | 2.3 | 1.8 | 1.1 | 5.8 | 16.0 | 0.0 | 3.4 | 0.0 | 0.0 | 12.6 | 57.1 | 26.5 | 83.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 15 | (s) | 104 | 1,117 | 1,129 | 2 | 258 | 19,044 | 204 | 21,857 | 0 | – – | – – | – – |
| 1965 | 3 | (s) | 172 | 1,415 | 1,411 | 5 | 255 | 22,609 | 471 | 26,338 | 0 | – – | – – | – – |
| 1970 | (s) | (s) | 124 | 2,266 | 2,897 | 21 | 238 | 28,273 | 359 | 34,177 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 90 | 2,391 | 2,013 | 26 | 196 | 31,547 | 581 | 36,844 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 89 | 2,580 | 1,921 | 15 | 247 | 29,864 | 53 | 34,768 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 71 | 4,542 | 1,085 | 32 | 225 | 30,631 | 152 | 36,738 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 94 | 4,800 | 2,344 | 36 | 253 | 30,673 | 84 | 38,285 | 0 | – – | – – | – – |
| 1995 | 0 | 1 | 41 | 4,756 | 2,489 | 26 | 242 | 30,146 | 11 | 37,711 | 0 | – – | – – | – – |
| 1996 | 0 | 1 | 37 | 5,086 | 2,718 | 21 | 235 | 31,617 | 36 | 39,750 | 0 | – – | – – | – – |
| 1997 | 0 | 3 | 23 | 5,320 | 2,372 | 16 | 248 | 31,719 | 25 | 39,722 | 0 | – – | – – | – – |
| 1998 | 0 | 1 | 52 | 5,302 | 2,214 | 52 | 259 | 32,726 | 14 | 40,620 | 0 | – – | – – | – – |
| 1999 | 0 | 3 | 32 | 5,598 | 2,456 | 34 | 262 | 35,294 | 12 | 43,689 | 0 | – – | – – | – – |
| 2000 | 0 | 3 | 30 | 5,470 | 2,599 | 33 | 258 | 33,875 | 22 | 42,287 | 0 | – – | – – | – – |
| 2001 | 0 | 3 | 78 | 6,683 | 2,356 | 93 | 237 | 34,611 | 10 | 44,067 | 0 | – – | – – | – – |
| 2002 | 0 | 3 | 52 | 5,478 | 2,201 | 35 | 234 | 36,116 | 1 | 44,117 | 0 | – – | – – | – – |
| 2003 | 0 | 4 | 45 | 5,213 | 2,108 | 26 | 216 | 38,088 | 2 | 45,698 | 192 | – – | – – | – – |
| 2004 | 0 | 4 | 59 | 7,079 | 2,382 | 32 | 219 | 42,779 | 22 | 52,573 | 190 | – – | – – | – – |
| 2005 | 0 | 3 | 187 | 7,562 | 2,461 | 38 | 218 | 37,850 | 22 | 48,339 | 190 | – – | – – | – – |
| 2006 | 0 | 3 | 127 | 7,646 | 2,249 | 23 | 212 | 37,086 | 5 | 47,349 | 177 | – – | – – | – – |
| 2007 | 0 | 4 | 126 | 7,669 | 2,056 | 17 | 219 | 37,422 | 15 | 47,524 | 198 | – – | – – | – – |
| 2008 | 0 | 4 | 98 | R 7,440 | 1,908 | R 47 | 203 | 35,791 | 21 | R 45,508 | 190 | – – | – – | – – |
| 2009 | 0 | 5 | 139 | 6,861 | 1,408 | 39 | 183 | 35,947 | 25 | 44,601 | 188 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.4 | 0.2 | 0.5 | 6.5 | 6.4 | (s) | 1.6 | 100.0 | 1.3 | 116.3 | 0.0 | 116.9 | 0.0 | 116.9 |
| 1965 | 0.1 | 0.1 | 0.9 | 8.2 | 8.0 | (s) | 1.5 | 118.8 | 3.0 | 140.4 | 0.0 | 140.5 | 0.0 | 140.5 |
| 1970 | (s) | 0.1 | 0.6 | 13.2 | 16.4 | 0.1 | 1.4 | 148.5 | 2.3 | 182.5 | 0.0 | 182.6 | 0.0 | 182.6 |
| 1975 | (s) | (s) | 0.5 | 13.9 | 11.4 | 0.1 | 1.2 | 165.7 | 3.7 | 196.4 | 0.0 | 196.5 | 0.0 | 196.5 |
| 1980 | 0.0 | 0.1 | 0.4 | 15.0 | 10.9 | 0.1 | 1.5 | 156.9 | 0.3 | 185.1 | 0.0 | 185.2 | 0.0 | 185.2 |
| 1985 | 0.0 | 0.4 | 0.4 | 26.5 | 6.1 | 0.1 | 1.4 | 160.9 | 1.0 | 196.3 | 0.0 | 196.8 | 0.0 | 196.8 |
| 1990 | 0.0 | 0.5 | 0.5 | 28.0 | 13.3 | 0.1 | 1.5 | 161.1 | 0.5 | 205.0 | 0.0 | 205.5 | 0.0 | 205.5 |
| 1995 | 0.0 | 1.2 | 0.2 | 27.7 | 14.1 | 0.1 | 1.5 | 157.2 | 0.1 | 200.9 | 0.0 | 202.1 | 0.0 | 202.1 |
| 1996 | 0.0 | 1.5 | 0.2 | 29.6 | 15.4 | 0.1 | 1.4 | 164.9 | 0.2 | 211.9 | 0.0 | 213.4 | 0.0 | 213.4 |
| 1997 | 0.0 | 2.6 | 0.1 | 31.0 | 13.4 | 0.1 | 1.5 | 165.4 | 0.2 | 211.6 | 0.0 | 214.3 | 0.0 | 214.3 |
| 1998 | 0.0 | 1.0 | 0.3 | 30.9 | 12.6 | 0.2 | 1.6 | 170.6 | 0.1 | 216.1 | 0.0 | 217.1 | 0.0 | 217.1 |
| 1999 | 0.0 | 3.1 | 0.2 | 32.6 | 13.9 | 0.1 | 1.6 | 183.9 | 0.1 | 232.4 | 0.0 | 235.5 | 0.0 | 235.5 |
| 2000 | 0.0 | 3.2 | 0.2 | 31.9 | 14.7 | 0.1 | 1.6 | 176.5 | 0.1 | 225.1 | 0.0 | 228.3 | 0.0 | 228.3 |
| 2001 | 0.0 | 3.2 | 0.4 | 38.9 | 13.4 | 0.3 | 1.4 | 180.3 | 0.1 | 234.8 | 0.0 | 238.0 | 0.0 | 238.0 |
| 2002 | 0.0 | 2.7 | 0.3 | 31.9 | 12.5 | 0.1 | 1.4 | 188.1 | (s) | 234.3 | 0.0 | 237.0 | 0.0 | 237.0 |
| 2003 | 0.0 | 3.7 | 0.2 | 30.4 | 12.0 | 0.1 | 1.3 | 198.3 | (s) | 242.3 | 0.7 | 246.6 | 1.4 | R 248.0 |
| 2004 | 0.0 | 3.7 | 0.3 | 41.2 | 13.5 | 0.1 | 1.3 | 223.1 | 0.1 | 279.7 | 0.6 | 284.0 | 1.4 | 285.5 |
| 2005 | 0.0 | 3.5 | 0.9 | 44.1 | 14.0 | 0.1 | 1.3 | 197.5 | 0.1 | 258.1 | 0.6 | 262.2 | 1.4 | 263.6 |
| 2006 | 0.0 | 3.3 | 0.6 | 44.5 | 12.8 | 0.1 | 1.3 | 193.5 | (s) | 252.8 | 0.6 | 256.8 | 1.3 | 258.1 |
| 2007 | 0.0 | 4.6 | 0.6 | 44.7 | 11.7 | 0.1 | 1.3 | 195.3 | 0.1 | 253.8 | 0.7 | 259.0 | R 1.4 | 260.5 |
| 2008 | 0.0 | 4.4 | 0.5 | R 43.3 | 10.8 | 0.2 | 1.2 | 186.8 | 0.1 | R 242.9 | 0.6 | R 248.0 | 1.4 | R 249.4 |
| 2009 | 0.0 | 5.2 | 0.7 | 40.0 | 8.0 | 0.1 | 1.1 | 187.6 | 0.2 | 237.6 | 0.6 | 243.5 | 1.4 | 244.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Connecticut

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 2,776 | 2 | 1,597 | 79 | 0 | 1,676 | 0 | 398 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 4,097 | (s) | 2,550 | 126 | 0 | 2,676 | 0 | 179 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 1,875 | (s) | 20,531 | 1,018 | 0 | 21,550 | 3,604 | 327 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 4 | (s) | 22,150 | 232 | 0 | 22,382 | 8,135 | 487 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | 0 | 21,428 | 168 | 0 | 21,596 | 11,835 | 250 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 774 | 2 | 17,006 | 83 | 0 | 17,089 | 12,721 | 258 | – – | 0 | 0 | 0 | 42 | – – |
| 1990 | 1,480 | 13 | 14,021 | 199 | 0 | 14,219 | 19,776 | 563 | – – | 0 | 0 | 0 | 37 | – – |
| 1995 | 1,569 | 29 | 5,589 | 169 | 0 | 5,758 | 18,749 | 358 | – – | 0 | 0 | 0 | 1,276 | – – |
| 1996 | 1,600 | 18 | 8,953 | 113 | 0 | 9,066 | 6,225 | 618 | – – | 0 | 0 | 0 | 1,325 | – – |
| 1997 | 1,738 | 24 | 13,941 | 125 | 0 | 14,066 | -125 | 438 | – – | 0 | 0 | 0 | 1,699 | – – |
| 1998 | 1,265 | 20 | 14,500 | 113 | 0 | 14,613 | 3,243 | 448 | – – | 0 | 0 | 0 | 1,759 | – – |
| 1999 | 614 | 31 | 13,802 | 471 | 0 | 14,273 | 12,675 | 422 | – – | 0 | 0 | 0 | 1,934 | – – |
| 2000 | 1,473 | 34 | 11,215 | 142 | 0 | 11,357 | 16,365 | 526 | – – | 0 | 0 | 0 | 1,585 | – – |
| 2001 | 1,623 | 32 | 8,259 | 102 | 0 | 8,362 | 15,428 | 286 | – – | 0 | 0 | 0 | 766 | – – |
| 2002 | 1,508 | 65 | 3,768 | 77 | 0 | 3,844 | 14,918 | 335 | – – | 0 | 0 | 0 | 326 | – – |
| 2003 | 2,051 | 43 | 3,221 | 183 | 0 | 3,403 | 16,078 | 564 | – – | 0 | 0 | 0 | 346 | – – |
| 2004 | 2,132 | 59 | 2,638 | 113 | 0 | 2,751 | 16,539 | 463 | – – | 0 | 0 | 0 | 995 | – – |
| 2005 | 2,070 | 64 | 5,125 | 101 | 0 | 5,227 | 15,562 | 478 | – – | 0 | 0 | 0 | 1,140 | – – |
| 2006 | 2,245 | 76 | 2,160 | 71 | 0 | 2,231 | 16,589 | 544 | – – | 0 | 0 | 0 | 1,165 | – – |
| 2007 | 1,936 | 74 | 2,195 | 71 | 0 | 2,266 | 16,386 | 363 | – – | 0 | 0 | 0 | 1,509 | – – |
| 2008 | 2,221 | 59 | 882 | 69 | 0 | 951 | 15,433 | 556 | – – | 0 | 0 | 0 | R 1,990 | – – |
| 2009 | 1,196 | 71 | 490 | 50 | 0 | 540 | 16,657 | 510 | – – | 0 | 0 | 0 | 2,401 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 73.7 | 1.8 | 10.0 | 0.5 | 0.0 | 10.5 | 0.0 | 4.3 | 0.0 | 0.0 | NA | NA | 0.0 | 90.3 |
| 1965 | 106.2 | 0.3 | 16.0 | 0.7 | 0.0 | 16.8 | 0.0 | 1.9 | 0.0 | 0.0 | NA | NA | 0.0 | 125.1 |
| 1970 | 44.2 | 0.1 | 129.1 | 5.9 | 0.0 | 135.0 | 39.6 | 3.4 | 0.0 | 0.0 | NA | NA | 0.0 | 222.3 |
| 1975 | 0.1 | 0.3 | 139.3 | 1.3 | 0.0 | 140.6 | 89.6 | 5.1 | 0.0 | 0.0 | NA | NA | 0.0 | 235.7 |
| 1980 | 0.0 | 0.0 | 134.7 | 1.0 | 0.0 | 135.7 | 129.1 | 2.6 | 0.0 | 0.0 | NA | NA | 0.0 | 267.4 |
| 1985 | 20.4 | 1.6 | 106.9 | 0.5 | 0.0 | 107.4 | 135.1 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 267.3 |
| 1990 | 38.2 | 13.1 | 88.1 | 1.2 | 0.0 | 89.3 | 209.3 | 5.9 | 15.9 | 0.0 | 0.0 | 0.0 | 0.1 | 371.7 |
| 1995 | 40.2 | 29.5 | 35.1 | 1.0 | 0.0 | 36.1 | 197.0 | 3.7 | 27.5 | 0.0 | 0.0 | 0.0 | 4.4 | 338.3 |
| 1996 | 41.0 | 18.3 | 56.3 | 0.7 | 0.0 | 56.9 | 65.4 | 6.4 | 23.6 | 0.0 | 0.0 | 0.0 | 4.5 | 216.2 |
| 1997 | 44.8 | 24.9 | 87.6 | 0.7 | 0.0 | 88.4 | -1.3 | 4.5 | 23.1 | 0.0 | 0.0 | 0.0 | 5.8 | 190.2 |
| 1998 | 32.4 | 20.9 | 91.2 | 0.7 | 0.0 | 91.8 | 34.0 | 4.6 | 23.3 | 0.0 | 0.0 | 0.0 | 6.0 | 213.1 |
| 1999 | 15.1 | 32.0 | 86.8 | 2.7 | 0.0 | 89.5 | 132.5 | 4.3 | 23.2 | 0.0 | 0.0 | 0.0 | 6.6 | 303.1 |
| 2000 | 36.1 | 34.8 | 70.5 | 0.8 | 0.0 | 71.3 | 170.7 | 5.4 | 31.0 | 0.0 | 0.0 | 0.0 | 5.4 | 354.8 |
| 2001 | 39.9 | 32.6 | 51.9 | 0.6 | 0.0 | 52.5 | 161.1 | 3.0 | 14.3 | 0.0 | 0.0 | 0.0 | 2.6 | 306.0 |
| 2002 | 34.1 | 66.4 | 23.7 | 0.4 | 0.0 | 24.1 | 155.8 | 3.4 | 13.7 | 0.0 | 0.0 | 0.0 | 1.1 | 298.7 |
| 2003 | 41.8 | 42.9 | 20.2 | 1.1 | 0.0 | 21.3 | 167.5 | 5.8 | 13.8 | 0.0 | 0.0 | 0.0 | 1.2 | 294.3 |
| 2004 | 43.9 | 59.7 | 16.6 | 0.7 | 0.0 | 17.2 | 172.5 | 4.6 | 13.5 | 0.0 | 0.0 | 0.0 | 3.4 | 314.8 |
| 2005 | 41.9 | 64.6 | 32.2 | 0.6 | 0.0 | 32.8 | 162.4 | 4.8 | 13.6 | 0.0 | 0.0 | 0.0 | 3.9 | 323.9 |
| 2006 | 45.6 | 76.7 | 13.6 | 0.4 | 0.0 | 14.0 | 173.1 | 5.4 | 13.6 | 0.0 | 0.0 | 0.0 | 4.0 | 332.4 |
| 2007 | 39.8 | 74.5 | 13.8 | 0.4 | 0.0 | 14.2 | 171.8 | 3.6 | 13.1 | 0.0 | 0.0 | 0.0 | 5.1 | 322.2 |
| 2008 | 45.2 | 60.2 | 5.5 | 0.4 | 0.0 | 5.9 | 161.3 | 5.5 | 13.3 | 0.0 | 0.0 | 0.0 | R 6.8 | R 298.1 |
| 2009 | 26.3 | 71.7 | 3.1 | 0.3 | 0.0 | 3.4 | 174.2 | 5.0 | 13.5 | 0.0 | 0.0 | 0.0 | 8.2 | 302.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 791 | 9 | 2,712 | 2,144 | 1,007 | 4,314 | 6,246 | 5,175 | 21,599 | 0 | 0 | NA |
| 1965 | 1,103 | 18 | 3,275 | 2,086 | 1,507 | 5,076 | 5,538 | 6,040 | 23,522 | 0 | 0 | NA |
| 1970 | 1,541 | 26 | 4,308 | 2,062 | 2,255 | 6,247 | 6,588 | 5,832 | 27,293 | 0 | 0 | NA |
| 1971 | 1,491 | 26 | 4,350 | 2,032 | 2,286 | 6,526 | 6,284 | 6,122 | 27,600 | 0 | 0 | NA |
| 1972 | 939 | 24 | 4,367 | 1,905 | 2,631 | 6,737 | 9,486 | 5,858 | 30,983 | 0 | 0 | NA |
| 1973 | 853 | 23 | 4,398 | 1,729 | 2,761 | 7,142 | 12,900 | 5,402 | 34,331 | 0 | 0 | NA |
| 1974 | 878 | 20 | 4,391 | 1,756 | 2,735 | 7,005 | 12,317 | 5,351 | 33,554 | 0 | 0 | NA |
| 1975 | 937 | 19 | 4,309 | 1,654 | 2,654 | 7,069 | 10,218 | 5,114 | 31,018 | 0 | 0 | NA |
| 1976 | 811 | 19 | 4,586 | 1,582 | 2,717 | 7,395 | 11,308 | 5,799 | 33,386 | 0 | 0 | NA |
| 1977 | 733 | 16 | 4,794 | 1,666 | 2,679 | 7,333 | 12,140 | 5,663 | 34,275 | 0 | 0 | NA |
| 1978 | 892 | 21 | 4,222 | 1,416 | 2,819 | 7,326 | 11,490 | 5,768 | 33,040 | 0 | 0 | NA |
| 1979 | 968 | 25 | 3,617 | 1,419 | 7,128 | 6,999 | 11,165 | 6,362 | 36,689 | 0 | 0 | NA |
| 1980 | 1,130 | 30 | 3,716 | 1,573 | 3,199 | 6,614 | 12,717 | 6,253 | 34,072 | 0 | 0 | NA |
| 1981 | 2,033 | 31 | 3,125 | 1,482 | 873 | 6,882 | 8,777 | 3,928 | 25,067 | 0 | 0 | (s) |
| 1982 | 1,907 | 28 | 2,755 | 1,484 | 884 | 6,620 | 6,391 | 3,970 | 22,104 | 0 | 0 | 0 |
| 1983 | 2,859 | 35 | 3,382 | 1,374 | 889 | 7,216 | 5,056 | 4,391 | 22,307 | 0 | 0 | 0 |
| 1984 | 2,813 | 43 | 3,788 | 1,586 | 1,316 | 7,440 | 5,012 | 4,579 | 23,722 | 0 | 0 | 0 |
| 1985 | 2,766 | 38 | 3,696 | 1,569 | 994 | 7,556 | 3,602 | 5,114 | 22,532 | 0 | 0 | 0 |
| 1986 | 2,565 | 33 | 3,521 | 1,341 | 878 | 7,719 | 5,101 | 4,616 | 23,176 | 0 | 0 | 0 |
| 1987 | 2,710 | 37 | 4,176 | 1,287 | 1,006 | 7,885 | 4,766 | 4,748 | 23,867 | 0 | 0 | 0 |
| 1988 | 2,686 | 29 | 4,194 | 1,362 | 1,017 | 8,184 | 6,365 | 5,021 | 26,143 | 0 | 0 | 0 |
| 1989 | 2,357 | 35 | 4,397 | 1,255 | 950 | 8,155 | 5,758 | 5,070 | 25,584 | 0 | 0 | 0 |
| 1990 | 2,293 | 39 | 3,518 | 1,306 | 1,043 | 8,012 | 3,804 | 7,758 | 25,441 | 0 | 0 | 0 |
| 1991 | 2,186 | 42 | 3,739 | 2,397 | 1,098 | 7,797 | 4,992 | 5,819 | 25,843 | 0 | 0 | 0 |
| 1992 | 1,770 | 40 | 3,510 | 1,451 | 925 | 8,153 | 4,920 | 8,336 | 27,296 | 0 | 0 | 0 |
| 1993 | 2,446 | 42 | 3,657 | 1,440 | 1,015 | 8,312 | 6,373 | 6,411 | 27,209 | 0 | 0 | 0 |
| 1994 | 2,226 | 49 | 3,710 | 566 | 1,264 | 8,304 | 5,672 | 6,818 | 26,333 | 0 | 0 | 0 |
| 1995 | 2,011 | 61 | 3,386 | 76 | 1,361 | 8,471 | 4,066 | 6,467 | 23,827 | 0 | 0 | 0 |
| 1996 | 1,956 | 54 | 3,755 | 62 | 1,707 | 8,453 | 5,425 | 7,482 | 26,883 | 0 | 0 | 0 |
| 1997 | 1,866 | 47 | 3,339 | 73 | 1,217 | 8,587 | 4,389 | 7,426 | 25,032 | 0 | 0 | 0 |
| 1998 | 1,773 | 41 | 3,164 | 87 | 1,427 | 9,079 | 4,465 | 7,044 | 25,265 | 0 | 0 | 0 |
| 1999 | 1,393 | 56 | 3,322 | 105 | 1,118 | 9,259 | 4,858 | 7,152 | 25,814 | 0 | 0 | 0 |
| 2000 | 1,934 | 48 | 4,309 | 104 | 1,006 | 8,999 | 4,170 | 6,302 | 24,891 | 0 | 0 | 0 |
| 2001 | 1,653 | 50 | 3,508 | 129 | 1,352 | 9,299 | 5,021 | 7,404 | 26,713 | 0 | 0 | 0 |
| 2002 | 1,640 | 52 | 3,607 | 124 | 1,290 | 9,945 | 3,599 | 7,531 | 26,096 | 0 | 0 | 0 |
| 2003 | 1,887 | 46 | 3,847 | 142 | 1,393 | 9,894 | 3,573 | 7,783 | 26,632 | 0 | 0 | 0 |
| 2004 | 2,174 | 48 | 3,412 | 166 | 1,355 | 10,065 | 2,904 | 7,583 | 25,484 | 0 | 0 | 0 |
| 2005 | 2,325 | 47 | 3,476 | 167 | 1,401 | 10,530 | 3,176 | 8,111 | 26,862 | 0 | 0 | 267 |
| 2006 | 2,291 | 43 | 3,216 | 144 | 1,249 | 10,827 | 2,046 | R 5,695 | R 23,177 | 0 | 0 | 789 |
| 2007 | 2,566 | 48 | 3,033 | 113 | 1,124 | 11,034 | 2,134 | R 5,418 | R 22,856 | 0 | 0 | 988 |
| 2008 | 2,476 | 48 | R 2,708 | 117 | 1,195 | 10,613 | 1,863 | R 5,146 | R 21,643 | 0 | 0 | 814 |
| 2009 | 1,374 | 50 | 3,005 | 80 | 1,383 | 10,607 | 1,476 | 1,148 | 17,699 | 0 | 0 | 880 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Delaware
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 20.5 | 9.4 | 15.8 | 11.5 | 4.0 | 22.7 | 39.3 | 30.9 | 124.2 | 154.0 | *9.4* | *22.7* |
| 1965 | 29.0 | 18.7 | 19.1 | 11.2 | 6.0 | 26.7 | 34.8 | 36.2 | 134.0 | 181.8 | *18.7* | *26.7* |
| 1970 | 37.2 | 26.9 | 25.1 | 11.1 | 8.5 | 32.8 | 41.4 | 35.2 | 154.2 | 218.4 | *26.9* | *32.8* |
| 1971 | 36.7 | 27.0 | 25.3 | 10.9 | 8.6 | 34.3 | 39.5 | 36.9 | 155.5 | 219.2 | *27.0* | *34.3* |
| 1972 | 23.5 | 24.6 | 25.4 | 10.2 | 9.9 | 35.4 | 59.6 | 35.2 | 175.8 | 223.9 | *24.6* | *35.4* |
| 1973 | 21.0 | 23.4 | 25.6 | 9.3 | 10.3 | 37.5 | 81.1 | 32.4 | 196.3 | 240.7 | *23.4* | *37.5* |
| 1974 | 21.3 | 20.8 | 25.6 | 9.4 | 10.2 | 36.8 | 77.4 | 32.2 | 191.6 | 233.6 | *20.8* | *36.8* |
| 1975 | 22.9 | 19.0 | 25.1 | 8.9 | 9.9 | 37.1 | 64.2 | 30.9 | 176.1 | 218.0 | *19.0* | *37.1* |
| 1976 | 20.2 | 19.7 | 26.7 | 8.5 | 10.1 | 38.8 | 71.1 | 34.5 | 189.7 | 229.6 | *19.7* | *38.8* |
| 1977 | 17.7 | 16.3 | 27.9 | 9.0 | 9.8 | 38.5 | 76.3 | 33.5 | 195.1 | 229.1 | *16.3* | *38.5* |
| 1978 | 21.8 | 21.3 | 24.6 | 7.6 | 10.3 | 38.5 | 72.2 | 34.1 | 187.3 | 230.4 | *21.3* | *38.5* |
| 1979 | 23.9 | 25.8 | 21.1 | 7.6 | 26.2 | 36.8 | 70.2 | 37.5 | 199.3 | 249.0 | *25.8* | *36.8* |
| 1980 | 28.1 | 30.8 | 21.6 | 8.4 | 11.8 | 34.7 | 80.0 | 36.6 | 193.2 | 252.0 | *30.8* | *34.7* |
| 1981 | 50.6 | 31.6 | 18.2 | 8.0 | 3.2 | 36.1 | 55.2 | 23.5 | 144.2 | 226.4 | *31.7* | *36.1* |
| 1982 | 47.9 | 28.7 | 16.0 | 8.0 | 3.2 | 34.8 | 40.2 | 23.9 | 126.1 | 202.7 | *28.8* | *34.8* |
| 1983 | 73.0 | 35.5 | 19.7 | 7.4 | 3.2 | 37.9 | 31.8 | 26.4 | 126.3 | 234.8 | *35.5* | *37.9* |
| 1984 | 72.8 | 43.9 | 22.1 | 8.5 | 4.7 | 39.1 | 31.5 | 27.1 | 133.1 | 249.7 | *43.9* | *39.1* |
| 1985 | 71.4 | 39.4 | 21.5 | 8.4 | 3.6 | 39.7 | 22.6 | 30.9 | 126.8 | 237.7 | *39.5* | *39.7* |
| 1986 | 66.4 | 33.6 | 20.5 | 7.2 | 3.2 | 40.5 | 32.1 | 28.1 | 131.6 | 231.6 | *33.6* | *40.5* |
| 1987 | 70.5 | 37.3 | 24.3 | 6.9 | 3.7 | 41.4 | 30.0 | 28.6 | 134.9 | 242.6 | *37.3* | *41.4* |
| 1988 | 69.0 | 29.9 | 24.4 | 7.3 | 3.7 | 43.0 | 40.0 | 30.0 | 148.5 | 247.5 | *29.9* | *43.0* |
| 1989 | 61.2 | 35.9 | 25.6 | 6.8 | 3.5 | 42.8 | 36.2 | 30.3 | 145.2 | 242.3 | *35.9* | *42.8* |
| 1990 | 59.5 | 35.6 | 20.5 | 7.0 | 3.8 | 42.1 | 23.9 | 46.4 | 143.7 | 238.8 | *40.1* | *42.1* |
| 1991 | 56.9 | 39.0 | 21.8 | 12.9 | 4.0 | 41.0 | 31.4 | 34.4 | 145.3 | 241.2 | *43.4* | *41.0* |
| 1992 | 46.1 | 37.2 | 20.4 | 7.8 | 3.4 | 42.8 | 30.9 | 49.3 | 154.6 | 237.9 | *41.0* | *42.8* |
| 1993 | 63.5 | 39.3 | 21.3 | 7.7 | 3.7 | 43.7 | 40.1 | 37.8 | 154.2 | 257.0 | *43.1* | *43.7* |
| 1994 | 57.5 | 47.3 | 21.6 | 3.0 | 4.6 | 43.4 | 35.7 | 40.1 | 148.5 | 253.2 | *50.4* | *43.4* |
| 1995 | 52.4 | 62.7 | 19.7 | 0.4 | 4.9 | 44.2 | 25.6 | 38.1 | 132.9 | 248.1 | *62.7* | *44.2* |
| 1996 | 50.8 | 55.9 | 21.9 | 0.4 | 6.2 | 44.1 | 34.1 | 43.9 | 150.5 | 257.2 | *55.9* | *44.1* |
| 1997 | 48.6 | 48.1 | 19.5 | 0.4 | 4.4 | 44.8 | 27.6 | 43.5 | 140.1 | 236.8 | *48.1* | *44.8* |
| 1998 | 45.8 | 42.3 | 18.4 | 0.5 | 5.2 | 47.3 | 28.1 | 41.2 | 140.7 | 228.8 | *42.3* | *47.3* |
| 1999 | 35.9 | 58.1 | 19.3 | 0.6 | 4.0 | 48.3 | 30.5 | 41.8 | 144.6 | 238.6 | *58.1* | *48.3* |
| 2000 | 50.1 | 50.2 | 25.1 | 0.6 | 3.6 | 46.9 | 26.2 | 36.9 | 139.4 | 239.7 | *50.2* | *46.9* |
| 2001 | 38.3 | 51.8 | 20.4 | 0.7 | 4.9 | 48.4 | 31.6 | 43.5 | 149.6 | 239.7 | *51.8* | *48.4* |
| 2002 | 40.5 | 53.8 | 21.0 | 0.7 | 4.7 | 51.8 | 22.6 | 44.5 | 145.3 | 239.6 | *53.8* | *51.8* |
| 2003 | 47.0 | 48.0 | 22.4 | 0.8 | 5.1 | 51.5 | 22.5 | 45.7 | 148.0 | 242.9 | *48.0* | *51.5* |
| 2004 | 53.6 | 49.7 | 19.9 | 0.9 | 4.9 | 52.5 | 18.3 | 44.3 | 140.8 | 244.1 | *49.7* | *52.5* |
| 2005 | 56.7 | 48.6 | 20.2 | 0.9 | 5.1 | 54.0 | 20.0 | 47.4 | R 147.7 | 253.0 | *48.6* | *54.9* |
| 2006 | 56.6 | 44.8 | 18.7 | 0.8 | 4.5 | R 53.8 | 12.9 | R 34.2 | R 124.8 | R 226.3 | *44.8* | *56.5* |
| 2007 | 63.8 | 50.0 | 17.7 | 0.6 | 4.0 | R 54.2 | 13.4 | R 32.5 | R 122.4 | R 236.2 | *50.0* | *57.6* |
| 2008 | 60.9 | 49.8 | R 15.8 | 0.7 | 4.3 | R 52.6 | 11.7 | R 31.0 | R 116.1 | R 226.7 | *49.8* | *55.4* |
| 2009 | 33.9 | 51.7 | 17.5 | 0.5 | 4.9 | 52.3 | 9.3 | 7.0 | 91.4 | 177.0 | *51.7* | *55.3* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Delaware (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.0 | 5.0 | NA | NA | 5.0 | 0.0 | NA | NA | 5.0 | -2.4 | 0.0 | 156.6 |
| 1965 | 0.0 | 0.0 | 5.6 | NA | NA | 5.6 | 0.0 | NA | NA | 5.6 | -2.8 | 0.0 | 184.6 |
| 1970 | 0.0 | 0.0 | 7.0 | NA | NA | 7.0 | 0.0 | NA | NA | 7.0 | R -5.5 | 0.0 | 219.9 |
| 1971 | 0.0 | 0.0 | 7.7 | NA | NA | 7.7 | 0.0 | NA | NA | 7.7 | -3.1 | 0.0 | 223.8 |
| 1972 | 0.0 | 0.0 | 8.2 | NA | NA | 8.2 | 0.0 | NA | NA | 8.2 | 2.2 | 0.0 | R 234.2 |
| 1973 | 0.0 | 0.0 | 8.5 | NA | NA | 8.5 | 0.0 | NA | NA | 8.5 | R -1.0 | 0.0 | 248.3 |
| 1974 | 0.0 | 0.0 | 8.5 | NA | NA | 8.5 | 0.0 | NA | NA | 8.5 | R -11.3 | 0.0 | R 230.8 |
| 1975 | 0.0 | 0.0 | 7.9 | NA | NA | 7.9 | 0.0 | NA | NA | 7.9 | R -5.4 | 0.0 | R 220.5 |
| 1976 | 0.0 | 0.0 | 9.6 | NA | NA | 9.6 | 0.0 | NA | NA | 9.6 | R -5.7 | 0.0 | R 233.4 |
| 1977 | 0.0 | 0.0 | 10.2 | NA | NA | 10.2 | 0.0 | NA | NA | 10.2 | R -6.1 | 0.0 | R 233.1 |
| 1978 | 0.0 | 0.0 | 10.7 | NA | NA | 10.7 | 0.0 | NA | NA | 10.7 | R -8.6 | 0.0 | R 232.5 |
| 1979 | 0.0 | 0.0 | 8.7 | NA | NA | 8.7 | 0.0 | NA | NA | 8.7 | R -5.6 | 0.0 | R 252.2 |
| 1980 | 0.0 | 0.0 | 2.5 | NA | NA | 2.5 | 0.0 | NA | NA | 2.5 | R -3.8 | 0.0 | R 250.7 |
| 1981 | 0.0 | 0.0 | 2.0 | (s) | 0.0 | 2.0 | 0.0 | NA | NA | 2.0 | R -27.6 | 0.0 | R 200.8 |
| 1982 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 3.2 | 0.0 | NA | NA | 3.2 | R -15.2 | 0.0 | R 190.7 |
| 1983 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.2 | 0.0 | NA | 0.0 | 2.2 | R -35.7 | 0.0 | R 201.3 |
| 1984 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 2.9 | R -28.2 | 0.0 | R 224.4 |
| 1985 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 3.0 | R -21.9 | 0.0 | R 218.8 |
| 1986 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 2.8 | R -13.7 | 0.0 | R 220.7 |
| 1987 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 2.2 | R -13.7 | 0.0 | R 231.0 |
| 1988 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 2.3 | R -12.1 | 0.0 | R 237.7 |
| 1989 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 2.4 | (s) | (s) | 0.0 | 2.5 | R 0.4 | 0.0 | R 245.2 |
| 1990 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.6 | 0.1 | (s) | 0.0 | 1.7 | R 7.6 | 0.0 | R 248.1 |
| 1991 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 1.6 | 0.1 | (s) | 0.0 | 1.7 | R 4.7 | 0.0 | R 247.6 |
| 1992 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 1.7 | 0.1 | (s) | 0.0 | 1.8 | R 17.4 | 0.0 | R 257.1 |
| 1993 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 2.4 | 0.1 | (s) | 0.0 | 2.5 | R 14.1 | 0.0 | R 273.6 |
| 1994 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 2.3 | 0.1 | (s) | 0.0 | 2.4 | R 16.8 | 0.0 | R 272.4 |
| 1995 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 2.4 | 0.1 | (s) | 0.0 | 2.5 | R 21.7 | 0.0 | R 272.3 |
| 1996 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 2.5 | 0.1 | (s) | 0.0 | 2.6 | R 24.3 | 0.0 | R 284.1 |
| 1997 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 2.1 | 0.1 | (s) | 0.0 | 2.2 | R 42.6 | 0.0 | R 281.6 |
| 1998 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.8 | 0.1 | (s) | 0.0 | 1.9 | R 50.2 | 0.0 | R 280.9 |
| 1999 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.1 | (s) | 0.0 | 2.0 | R 53.3 | 0.0 | R 293.9 |
| 2000 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.2 | 0.1 | (s) | 0.0 | 2.3 | R 64.3 | 0.0 | R 306.3 |
| 2001 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 | 0.1 | (s) | 0.0 | 1.3 | R 60.5 | 0.0 | R 301.5 |
| 2002 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 | 0.1 | (s) | 0.0 | 1.3 | R 68.4 | 0.0 | R 309.3 |
| 2003 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 | 0.1 | (s) | 0.0 | 1.4 | R 67.1 | 0.0 | R 311.5 |
| 2004 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 1.3 | 0.2 | (s) | 0.0 | 1.4 | R 58.0 | 0.0 | R 303.5 |
| 2005 | 0.0 | 0.0 | R 0.8 | 0.9 | 0.0 | R 1.7 | 0.2 | (s) | 0.0 | R 1.9 | R 56.4 | 0.0 | R 311.3 |
| 2006 | 0.0 | 0.0 | R 0.7 | 2.7 | 0.0 | R 3.4 | 0.2 | (s) | 0.0 | R 3.6 | R 59.2 | 0.0 | R 289.0 |
| 2007 | 0.0 | 0.0 | R 1.3 | 3.4 | 0.0 | R 4.7 | 0.2 | (s) | 0.0 | R 4.9 | R 49.7 | 0.0 | R 290.9 |
| 2008 | 0.0 | 0.0 | R 2.6 | 2.8 | 0.0 | R 5.4 | 0.3 | (s) | 0.0 | R 5.7 | R 52.7 | 0.0 | R 285.2 |
| 2009 | 0.0 | 0.0 | 2.3 | 3.0 | 0.0 | 5.4 | 0.4 | 0.1 | 0.0 | 5.8 | 71.9 | 0.0 | 254.7 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 54 | 6 | 2,704 | 2,144 | 1,007 | 4,314 | 6,207 | 5,175 | 21,551 | 0 | – – | – – | – – | – – | 1,720 | – – | – – | – – |
| 1965 | 48 | 13 | 3,258 | 2,086 | 1,507 | 5,076 | 5,454 | 6,040 | 23,422 | 0 | – – | – – | – – | – – | 2,637 | – – | – – | – – |
| 1970 | 43 | 23 | 4,002 | 2,062 | 2,255 | 6,247 | 5,051 | 4,592 | 24,208 | 0 | – – | – – | – – | – – | 4,585 | – – | – – | – – |
| 1975 | 31 | 17 | 4,174 | 1,654 | 2,654 | 7,069 | 4,043 | 4,878 | 24,471 | 0 | – – | – – | – – | – – | 5,149 | – – | – – | – – |
| 1980 | 188 | 23 | 3,529 | 1,573 | 3,199 | 6,614 | 6,886 | 5,782 | 27,583 | 0 | – – | – – | – – | – – | 5,819 | – – | – – | – – |
| 1985 | 223 | 31 | 3,595 | 1,569 | 994 | 7,556 | 952 | 4,763 | 19,430 | 0 | – – | – – | – – | – – | 6,315 | – – | – – | – – |
| 1990 | 236 | 28 | 3,408 | 1,306 | 1,043 | 8,012 | 1,814 | 6,349 | 21,931 | 0 | – – | – – | – – | – – | 8,284 | – – | – – | – – |
| 1995 | 195 | 34 | 3,226 | 76 | 1,361 | 8,471 | 2,731 | 6,467 | 22,332 | 0 | – – | – – | – – | – – | 9,580 | – – | – – | – – |
| 2000 | 180 | 40 | 4,048 | 104 | 1,006 | 8,999 | 3,298 | 6,302 | 23,758 | 0 | – – | – – | – – | – – | 11,274 | – – | – – | – – |
| 2001 | 173 | 35 | 3,287 | 129 | 1,352 | 9,299 | 2,861 | 7,404 | 24,332 | 0 | – – | – – | – – | – – | 11,379 | – – | – – | – – |
| 2002 | 99 | 35 | 3,426 | 124 | 1,290 | 9,945 | 2,540 | 7,531 | 24,856 | 0 | – – | – – | – – | – – | 12,019 | – – | – – | – – |
| 2003 | 100 | 34 | 3,316 | 142 | 1,393 | 9,894 | 1,914 | 7,783 | 24,442 | 0 | – – | – – | – – | – – | 12,600 | – – | – – | – – |
| 2004 | 119 | 35 | 3,329 | 166 | 1,355 | 10,065 | 1,954 | 7,583 | 24,451 | 0 | – – | – – | – – | – – | 11,761 | – – | – – | – – |
| 2005 | 117 | 34 | 3,380 | 167 | 1,401 | 10,530 | 1,982 | 8,111 | 25,572 | 0 | – – | – – | – – | – – | 12,137 | – – | – – | – – |
| 2006 | 102 | 34 | 3,142 | 144 | 1,249 | 10,827 | 1,923 | 5,695 | 22,980 | 0 | – – | – – | – – | – – | 11,555 | – – | – – | – – |
| 2007 | 104 | 35 | 2,976 | 113 | 1,124 | 11,034 | 1,869 | 5,418 | 22,534 | 0 | – – | – – | – – | – – | 11,869 | – – | – – | – – |
| 2008 | 85 | 37 | 2,621 | 117 | 1,195 | 10,613 | 1,770 | 5,146 | 21,463 | 0 | – – | – – | – – | – – | 11,749 | – – | – – | – – |
| 2009 | 22 | 39 | 2,891 | 80 | 1,383 | 10,607 | 1,404 | 1,148 | 17,512 | 0 | – – | – – | – – | – – | 11,258 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 1.3 | 6.0 | 15.8 | 11.5 | 4.0 | 22.7 | 39.0 | 30.9 | 123.9 | 0.0 | 5.0 | NA | NA | NA | 5.9 | 142.1 | 14.5 | 156.6 |
| 1965 | 1.2 | 13.9 | 19.0 | 11.2 | 6.0 | 26.7 | 34.3 | 36.2 | 133.4 | 0.0 | 5.6 | NA | NA | NA | 9.0 | 163.1 | 21.5 | 184.6 |
| 1970 | 1.0 | 23.1 | 23.3 | 11.1 | 8.5 | 32.8 | 31.8 | 27.8 | 135.3 | 0.0 | 7.0 | NA | NA | NA | 15.6 | 182.1 | 37.8 | 219.9 |
| 1975 | 0.7 | 17.2 | 24.3 | 8.9 | 9.9 | 37.1 | 25.4 | 29.4 | 135.0 | 0.0 | 7.9 | NA | NA | NA | 17.6 | 178.4 | 42.1 | 220.5 |
| 1980 | 4.6 | 23.5 | 20.6 | 8.4 | 11.8 | 34.7 | 43.3 | 33.8 | 152.6 | 0.0 | 2.5 | NA | NA | NA | 19.9 | 203.0 | 47.7 | 250.7 |
| 1985 | 5.5 | 31.9 | 20.9 | 8.4 | 3.6 | 39.7 | 6.0 | 28.8 | 107.4 | 0.0 | 3.0 | 0.0 | NA | NA | 21.5 | 169.4 | 49.3 | 218.8 |
| 1990 | 5.9 | 28.6 | 19.9 | 7.0 | 3.8 | 42.1 | 11.4 | 37.9 | 122.1 | 0.0 | 1.6 | 0.0 | 0.1 | (s) | 28.3 | 183.3 | 64.9 | 248.1 |
| 1995 | 4.9 | 34.9 | 18.8 | 0.4 | 4.9 | 44.2 | 17.2 | 38.1 | 123.6 | 0.0 | 2.4 | 0.0 | 0.1 | (s) | 32.7 | 198.6 | 73.8 | 272.3 |
| 2000 | 4.7 | 41.7 | 23.6 | 0.6 | 3.6 | 46.9 | 20.7 | 36.9 | 132.4 | 0.0 | 2.0 | 0.0 | 0.1 | (s) | 38.5 | 219.3 | 87.0 | 306.3 |
| 2001 | 4.5 | 36.1 | 19.1 | 0.7 | 4.9 | 48.4 | 18.0 | 43.5 | 134.7 | 0.0 | 1.2 | 0.0 | 0.1 | (s) | 38.8 | 215.5 | 86.0 | 301.5 |
| 2002 | 2.6 | 36.0 | 20.0 | 0.7 | 4.7 | 51.8 | 16.0 | 44.5 | 137.6 | 0.0 | 1.2 | 0.0 | 0.1 | (s) | 41.0 | 218.5 | 90.9 | 309.3 |
| 2003 | 2.6 | 35.8 | 19.3 | 0.8 | 5.1 | 51.5 | 12.0 | 45.7 | 134.5 | 0.0 | 1.2 | 0.0 | 0.1 | (s) | 43.0 | 217.2 | 94.3 | 311.5 |
| 2004 | 3.1 | 36.2 | 19.4 | 0.9 | 4.9 | 52.5 | 12.3 | 44.3 | 134.3 | 0.0 | 1.3 | 0.0 | 0.2 | (s) | 40.1 | 215.2 | 88.3 | 303.5 |
| 2005 | 3.1 | 35.3 | 19.7 | 0.9 | 5.1 | 54.9 | 12.5 | 47.4 | 140.5 | 0.0 | 0.8 | 0.0 | 0.2 | (s) | 41.4 | 221.3 | 90.0 | 311.3 |
| 2006 | 2.7 | 34.9 | 18.3 | 0.8 | 4.5 | 56.5 | 12.1 | 34.2 | 126.4 | 0.0 | 0.7 | 0.0 | 0.2 | (s) | 39.4 | 204.3 | 84.8 | 289.0 |
| 2007 | 2.7 | 36.0 | 17.3 | 0.6 | 4.0 | 57.6 | 11.8 | 32.5 | 123.8 | 0.0 | 0.7 | 0.0 | 0.2 | (s) | 40.5 | 204.0 | 86.9 | 290.9 |
| 2008 | 2.2 | 38.2 | 15.3 | 0.7 | 4.3 | 55.4 | 11.1 | 31.0 | 117.8 | 0.0 | 0.7 | 0.0 | 0.3 | (s) | 40.1 | 199.4 | 85.8 | 285.2 |
| 2009 | 0.6 | 40.4 | 16.8 | 0.5 | 4.9 | 55.3 | 8.8 | 7.0 | 93.3 | 0.0 | 0.7 | 0.0 | 0.4 | 0.1 | 38.4 | 173.9 | 80.8 | 254.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 12 | 4 | 1,485 | 807 | 149 | 2,441 | 76 | – – | – – | 496 | – – | – – | – – |
| 1965 | 7 | 6 | 1,651 | 604 | 245 | 2,500 | 58 | – – | – – | 729 | – – | – – | – – |
| 1970 | 4 | 8 | 2,037 | 365 | 353 | 2,755 | 54 | – – | – – | 1,169 | – – | – – | – – |
| 1975 | 1 | 7 | 1,866 | 215 | 335 | 2,415 | 63 | – – | – – | 1,640 | – – | – – | – – |
| 1980 | 1 | 7 | 1,316 | 275 | 318 | 1,909 | 121 | – – | – – | 1,866 | – – | – – | – – |
| 1985 | 1 | 6 | 1,486 | 649 | 503 | 2,638 | 147 | – – | – – | 1,924 | – – | – – | – – |
| 1990 | 4 | 7 | 1,149 | 144 | 487 | 1,780 | 60 | – – | – – | 2,651 | – – | – – | – – |
| 1995 | (s) | 9 | 1,113 | 120 | 730 | 1,963 | 91 | – – | – – | 3,168 | – – | – – | – – |
| 1996 | 1 | 10 | 1,091 | 180 | 776 | 2,047 | 94 | – – | – – | 3,271 | – – | – – | – – |
| 1997 | 1 | 9 | 905 | 121 | 834 | 1,861 | 71 | – – | – – | 3,257 | – – | – – | – – |
| 1998 | 1 | 8 | 805 | 164 | 884 | 1,853 | 63 | – – | – – | 3,339 | – – | – – | – – |
| 1999 | (s) | 9 | 912 | 125 | 791 | 1,827 | 67 | – – | – – | 3,532 | – – | – – | – – |
| 2000 | (s) | 9 | 1,138 | 131 | 624 | 1,893 | 72 | – – | – – | 3,575 | – – | – – | – – |
| 2001 | (s) | 9 | 1,004 | 113 | 794 | 1,911 | 47 | – – | – – | 3,734 | – – | – – | – – |
| 2002 | 0 | 10 | 990 | 65 | 846 | 1,902 | 47 | – – | – – | 4,020 | – – | – – | – – |
| 2003 | 0 | 11 | 1,057 | 87 | 876 | 2,020 | 50 | – – | – – | 4,190 | – – | – – | – – |
| 2004 | 0 | 10 | 965 | 127 | 757 | 1,850 | 51 | – – | – – | 4,305 | – – | – – | – – |
| 2005 | 0 | 10 | 908 | 134 | 759 | 1,800 | R 30 | – – | – – | 4,594 | – – | – – | – – |
| 2006 | (s) | 9 | 707 | 108 | 599 | 1,414 | R 27 | – – | – – | 4,259 | – – | – – | – – |
| 2007 | (s) | 10 | 638 | 49 | 702 | 1,388 | R 30 | – – | – – | 4,470 | – – | – – | – – |
| 2008 | 0 | 10 | R 582 | 29 | 738 | R 1,349 | R 31 | – – | – – | 4,428 | – – | – – | – – |
| 2009 | 0 | 10 | 610 | 53 | 870 | 1,532 | 30 | – – | – – | 4,335 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.3 | 3.9 | 8.6 | 4.6 | 0.6 | 13.8 | 1.5 | NA | NA | 1.7 | 21.3 | 4.2 | 25.5 |
| 1965 | 0.2 | 5.9 | 9.6 | 3.4 | 1.0 | 14.0 | 1.2 | NA | NA | 2.5 | 23.8 | 5.9 | 29.7 |
| 1970 | 0.1 | 8.0 | 11.9 | 2.1 | 1.3 | 15.3 | 1.1 | NA | NA | 4.0 | 28.4 | R 9.6 | 38.1 |
| 1975 | (s) | 7.1 | 10.9 | 1.2 | 1.2 | 13.3 | 1.3 | NA | NA | 5.6 | 27.3 | R 13.4 | R 40.7 |
| 1980 | (s) | 7.1 | 7.7 | 1.6 | 1.2 | 10.4 | 2.4 | NA | NA | 6.4 | 26.3 | 15.3 | R 41.6 |
| 1985 | (s) | 6.3 | 8.7 | 3.7 | 1.8 | 14.1 | 2.9 | NA | NA | 6.6 | 30.0 | R 15.0 | R 45.1 |
| 1990 | 0.1 | 7.3 | 6.7 | 0.8 | 1.8 | 9.3 | 1.2 | 0.1 | (s) | 9.0 | 26.2 | R 20.8 | R 47.0 |
| 1995 | (s) | 8.8 | 6.5 | 0.7 | 2.6 | 9.8 | 1.8 | 0.1 | (s) | 10.8 | 31.3 | R 24.4 | R 55.7 |
| 1996 | (s) | 10.1 | 6.4 | 1.0 | 2.8 | 10.2 | 1.9 | 0.1 | (s) | 11.2 | 33.5 | R 25.2 | R 58.7 |
| 1997 | (s) | 9.3 | 5.3 | 0.7 | 3.0 | 9.0 | 1.4 | 0.1 | (s) | 11.1 | 30.9 | R 25.0 | R 55.9 |
| 1998 | (s) | 8.2 | 4.7 | 0.9 | 3.2 | 8.8 | 1.3 | 0.1 | (s) | 11.4 | 29.8 | R 25.7 | R 55.5 |
| 1999 | (s) | 9.5 | 5.3 | 0.7 | 2.9 | 8.9 | 1.3 | 0.1 | (s) | 12.1 | 31.8 | R 27.4 | R 59.2 |
| 2000 | (s) | 9.9 | 6.6 | 0.7 | 2.3 | 9.6 | 1.4 | 0.1 | (s) | 12.2 | 33.2 | R 27.6 | R 60.8 |
| 2001 | (s) | 9.5 | 5.8 | 0.6 | 2.9 | 9.4 | 0.9 | 0.1 | (s) | 12.7 | 32.6 | R 28.2 | R 60.9 |
| 2002 | 0.0 | 9.9 | 5.8 | 0.4 | 3.1 | 9.2 | 0.9 | 0.1 | (s) | 13.7 | 33.9 | R 30.4 | R 64.3 |
| 2003 | 0.0 | 11.2 | 6.2 | 0.5 | 3.2 | 9.8 | 1.0 | 0.1 | (s) | 14.3 | 36.4 | R 31.4 | R 67.8 |
| 2004 | 0.0 | 10.8 | 5.6 | 0.7 | 2.7 | 9.1 | 1.0 | 0.2 | (s) | 14.7 | 35.7 | R 32.3 | R 68.0 |
| 2005 | 0.0 | 10.7 | 5.3 | 0.8 | 2.7 | 8.8 | R 0.6 | 0.2 | (s) | 15.7 | R 36.0 | R 34.1 | R 70.0 |
| 2006 | (s) | 9.4 | 4.1 | 0.6 | 2.2 | 6.9 | R 0.5 | 0.2 | (s) | 14.5 | R 31.6 | R 31.2 | R 62.9 |
| 2007 | (s) | 10.4 | 3.7 | 0.3 | 2.5 | 6.5 | R 0.6 | 0.2 | (s) | 15.3 | R 33.0 | R 32.7 | R 65.7 |
| 2008 | 0.0 | 10.2 | 3.4 | 0.2 | 2.7 | 6.2 | R 0.6 | 0.3 | (s) | 15.1 | R 32.5 | R 32.3 | R 64.8 |
| 2009 | 0.0 | 10.4 | 3.6 | 0.3 | 3.1 | 6.9 | 0.6 | 0.4 | 0.1 | 14.8 | 33.1 | 31.1 | 64.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 8 | 1 | 572 | 114 | 58 | 13 | 1,812 | 2,568 | NA | – – | – – | 361 | – – | – – | – – |
| 1965 | 6 | 1 | 636 | 85 | 94 | 11 | 2,081 | 2,908 | NA | – – | – – | 536 | – – | – – | – – |
| 1970 | 3 | 3 | 785 | 51 | 136 | 24 | 1,736 | 2,733 | NA | – – | – – | 889 | – – | – – | – – |
| 1975 | 3 | 3 | 719 | 30 | 129 | 32 | 1,204 | 2,114 | NA | – – | – – | 1,333 | – – | – – | – – |
| 1980 | 3 | 3 | 634 | 9 | 123 | 45 | 4,265 | 5,076 | NA | – – | – – | 1,514 | – – | – – | – – |
| 1985 | 5 | 3 | 373 | 51 | 194 | 38 | 70 | 727 | NA | – – | – – | 1,698 | – – | – – | – – |
| 1990 | 18 | 4 | 401 | 10 | 187 | 35 | 178 | 812 | 0 | – – | – – | 2,361 | – – | – – | – – |
| 1995 | 1 | 6 | 282 | 2 | 281 | 8 | 131 | 704 | 0 | – – | – – | 2,900 | – – | – – | – – |
| 1996 | 4 | 7 | 383 | 6 | 299 | 8 | 221 | 917 | 0 | – – | – – | 2,970 | – – | – – | – – |
| 1997 | 5 | 7 | 338 | 16 | 321 | 8 | 194 | 877 | 0 | – – | – – | 3,124 | – – | – – | – – |
| 1998 | 6 | 6 | 290 | 12 | 341 | 11 | 124 | 777 | 0 | – – | – – | 3,280 | – – | – – | – – |
| 1999 | 1 | 6 | 324 | 52 | 305 | 20 | 99 | 799 | 0 | – – | – – | 3,407 | – – | – – | – – |
| 2000 | 1 | 5 | 274 | 136 | 240 | 12 | 226 | 888 | 0 | – – | – – | 4,099 | – – | – – | – – |
| 2001 | 1 | 6 | 303 | 127 | 306 | 30 | 215 | 982 | 0 | – – | – – | 3,667 | – – | – – | – – |
| 2002 | 0 | 7 | 339 | 4 | 326 | 11 | 214 | 894 | 0 | – – | – – | 3,847 | – – | – – | – – |
| 2003 | 0 | 8 | 293 | 7 | 269 | 11 | 272 | 853 | 0 | – – | – – | 3,886 | – – | – – | – – |
| 2004 | 0 | 8 | 300 | 10 | 403 | 6 | 191 | 910 | 0 | – – | – – | 4,033 | – – | – – | – – |
| 2005 | 0 | 8 | 238 | 15 | 296 | 10 | 178 | 738 | 0 | – – | – – | 4,238 | – – | – – | – – |
| 2006 | (s) | 8 | 283 | 27 | 272 | 7 | 164 | 752 | 0 | – – | – – | 4,196 | – – | – – | – – |
| 2007 | (s) | 9 | 239 | 11 | 203 | 7 | 107 | 566 | 0 | – – | – – | 4,321 | – – | – – | – – |
| 2008 | 0 | 9 | R 201 | 7 | 270 | 7 | 13 | R 498 | 0 | – – | – – | 4,339 | – – | – – | – – |
| 2009 | 0 | 12 | 276 | 1 | 335 | 7 | (s) | 620 | 0 | – – | – – | 4,185 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 0.6 | 3.3 | 0.6 | 0.2 | 0.1 | 11.4 | 15.7 | NA | (s) | NA | 1.2 | 17.7 | 3.0 | 20.8 |
| 1965 | 0.1 | 1.4 | 3.7 | 0.5 | 0.4 | 0.1 | 13.1 | 17.7 | NA | (s) | NA | 1.8 | 21.0 | 4.4 | 25.4 |
| 1970 | 0.1 | 2.9 | 4.6 | 0.3 | 0.5 | 0.1 | 10.9 | 16.4 | NA | (s) | NA | 3.0 | 22.4 | 7.3 | 29.8 |
| 1975 | 0.1 | 3.0 | 4.2 | 0.2 | 0.5 | 0.2 | 7.6 | 12.6 | NA | (s) | NA | 4.5 | 20.2 | 10.9 | R 31.1 |
| 1980 | 0.1 | 3.4 | 3.7 | 0.1 | 0.5 | 0.2 | 26.8 | 31.2 | NA | 0.1 | NA | 5.2 | 39.9 | R 12.4 | 52.3 |
| 1985 | 0.1 | 3.5 | 2.2 | 0.3 | 0.7 | 0.2 | 0.4 | 3.8 | NA | 0.1 | NA | 5.8 | 13.3 | 13.3 | R 26.5 |
| 1990 | 0.4 | 4.1 | 2.3 | 0.1 | 0.7 | 0.2 | 1.1 | 4.4 | 0.0 | 0.1 | 0.0 | 8.1 | 16.6 | R 18.5 | R 35.1 |
| 1995 | (s) | 5.9 | 1.6 | (s) | 1.0 | (s) | 0.8 | 3.5 | 0.0 | 0.2 | 0.0 | 9.9 | 19.6 | R 22.3 | R 42.0 |
| 1996 | 0.1 | 6.9 | 2.2 | (s) | 1.1 | (s) | 1.4 | 4.8 | 0.0 | 0.3 | 0.0 | 10.1 | 22.2 | R 22.9 | R 45.1 |
| 1997 | 0.1 | 6.8 | 2.0 | 0.1 | 1.2 | (s) | 1.2 | 4.5 | 0.0 | 0.2 | 0.0 | 10.7 | 22.4 | R 24.0 | R 46.3 |
| 1998 | 0.2 | 5.9 | 1.7 | 0.1 | 1.2 | 0.1 | 0.8 | 3.8 | 0.0 | 0.2 | 0.0 | 11.2 | 21.3 | R 25.2 | R 46.5 |
| 1999 | (s) | 6.5 | 1.9 | 0.3 | 1.1 | 0.1 | 0.6 | 4.0 | 0.0 | 0.2 | 0.0 | 11.6 | 22.4 | R 26.4 | R 48.8 |
| 2000 | (s) | 5.3 | 1.6 | 0.8 | 0.9 | 0.1 | 1.4 | 4.7 | 0.0 | 0.2 | 0.0 | 14.0 | 24.3 | R 31.6 | R 55.9 |
| 2001 | (s) | 5.9 | 1.8 | 0.7 | 1.1 | 0.2 | 1.4 | 5.1 | 0.0 | 0.2 | 0.0 | 12.5 | 23.7 | R 27.7 | R 51.4 |
| 2002 | 0.0 | 7.8 | 2.0 | (s) | 1.2 | 0.1 | 1.3 | 4.6 | 0.0 | 0.2 | 0.0 | 13.1 | 25.6 | R 29.1 | R 54.7 |
| 2003 | 0.0 | 8.8 | 1.7 | (s) | 1.0 | 0.1 | 1.7 | 4.5 | 0.0 | 0.2 | 0.0 | 13.3 | 26.7 | R 29.1 | R 55.8 |
| 2004 | 0.0 | 8.8 | 1.8 | 0.1 | 1.5 | (s) | 1.2 | 4.5 | 0.0 | 0.2 | 0.0 | 13.8 | 27.2 | R 30.3 | R 57.5 |
| 2005 | 0.0 | 8.7 | 1.4 | 0.1 | 1.1 | 0.1 | 1.1 | 3.7 | 0.0 | R 0.1 | 0.0 | 14.5 | R 27.0 | R 31.4 | R 58.4 |
| 2006 | (s) | 8.4 | 1.6 | 0.2 | 1.0 | (s) | 1.0 | 3.8 | 0.0 | R 0.1 | 0.0 | 14.3 | R 26.7 | R 30.8 | R 57.5 |
| 2007 | (s) | 9.0 | 1.4 | 0.1 | 0.7 | (s) | 0.7 | 2.9 | 0.0 | R 0.1 | 0.0 | 14.7 | R 26.7 | R 31.6 | R 58.3 |
| 2008 | 0.0 | 9.2 | 1.2 | (s) | 1.0 | (s) | 0.1 | 2.3 | 0.0 | R 0.1 | 0.0 | 14.8 | R 26.4 | R 31.7 | R 58.1 |
| 2009 | 0.0 | 12.1 | 1.6 | (s) | 1.2 | (s) | (s) | 2.8 | 0.0 | 0.1 | 0.0 | 14.3 | 29.3 | 30.0 | 59.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 32 | 1 | 482 | 798 | 205 | 2,931 | 4,161 | 8,577 | 0 | – – | – – | – – | 863 | – – | – – | – – |
| 1965 | 35 | 6 | 715 | 1,165 | 144 | 2,785 | 5,130 | 9,939 | 0 | – – | – – | – – | 1,373 | – – | – – | – – |
| 1970 | 35 | 12 | 794 | 1,753 | 92 | 2,643 | 4,088 | 9,370 | 0 | – – | – – | – – | 2,527 | – – | – – | – – |
| 1975 | 27 | 7 | 1,079 | 2,154 | 63 | 1,878 | 4,567 | 9,741 | 0 | – – | – – | – – | 2,176 | – – | – – | – – |
| 1980 | 184 | 13 | 616 | 2,744 | 35 | 1,808 | 5,424 | 10,628 | 0 | – – | – – | – – | 2,439 | – – | – – | – – |
| 1985 | 217 | 22 | 473 | 293 | 54 | 649 | 3,989 | 5,457 | 0 | – – | – – | – – | 2,693 | – – | – – | – – |
| 1990 | 215 | 17 | 516 | 363 | 48 | 736 | 6,051 | 7,715 | 0 | – – | – – | – – | 3,272 | – – | – – | – – |
| 1995 | 194 | 19 | 339 | 346 | 64 | 1,570 | 6,230 | 8,548 | 0 | – – | – – | – – | 3,511 | – – | – – | – – |
| 1996 | 164 | 14 | 503 | 628 | 70 | 1,460 | 7,183 | 9,845 | 0 | – – | – – | – – | 3,399 | – – | – – | – – |
| 1997 | 174 | 15 | 452 | 55 | 70 | 1,215 | 7,161 | 8,953 | 0 | – – | – – | – – | 3,741 | – – | – – | – – |
| 1998 | 174 | 16 | 431 | 199 | 86 | 978 | 6,746 | 8,440 | 0 | – – | – – | – – | 3,779 | – – | – – | – – |
| 1999 | 148 | 21 | 475 | 20 | 77 | 1,169 | 6,893 | 8,635 | 0 | – – | – – | – – | 3,613 | – – | – – | – – |
| 2000 | 179 | 25 | 485 | 140 | 58 | 1,437 | 5,949 | 8,069 | 0 | – – | – – | – – | 3,601 | – – | – – | – – |
| 2001 | 172 | 20 | 596 | 251 | 99 | 1,342 | 7,041 | 9,330 | 0 | – – | – – | – – | 3,978 | – – | – – | – – |
| 2002 | 99 | 18 | 613 | 115 | 113 | 1,159 | 7,311 | 9,311 | 0 | – – | – – | – – | 4,151 | – – | – – | – – |
| 2003 | 100 | 15 | 498 | 247 | 117 | 647 | 7,553 | 9,062 | 0 | – – | – – | – – | 4,523 | – – | – – | – – |
| 2004 | 119 | 16 | 468 | 192 | 132 | 775 | 7,315 | 8,882 | 0 | – – | – – | – – | 3,423 | – – | – – | – – |
| 2005 | 117 | 15 | 573 | 342 | 102 | 714 | 7,770 | 9,501 | 0 | – – | – – | – – | 3,305 | – – | – – | – – |
| 2006 | 102 | 16 | 470 | 374 | 114 | 609 | R 5,365 | R 6,932 | 0 | – – | – – | – – | 3,100 | – – | – – | – – |
| 2007 | 103 | 16 | 439 | 218 | 193 | 519 | R 5,163 | R 6,533 | 0 | – – | – – | – – | 3,078 | – – | – – | – – |
| 2008 | 85 | 18 | R 320 | 174 | 142 | 497 | R 4,953 | R 6,086 | 0 | – – | – – | – – | 2,982 | – – | – – | – – |
| 2009 | 22 | 17 | 566 | 175 | 137 | 355 | 949 | 2,182 | 0 | – – | – – | – – | 2,738 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.8 | 1.5 | 2.8 | 3.2 | 1.1 | 18.4 | 25.1 | 50.7 | 0.0 | 3.4 | NA | NA | 2.9 | 59.4 | 7.3 | 66.7 |
| 1965 | 0.9 | 6.6 | 4.2 | 4.7 | 0.8 | 17.5 | 31.1 | 58.2 | 0.0 | 4.4 | NA | NA | 4.7 | 74.8 | 11.2 | 86.0 |
| 1970 | 0.8 | 12.3 | 4.6 | 6.6 | 0.5 | 16.6 | 24.9 | 53.2 | 0.0 | 5.9 | NA | NA | 8.6 | 80.9 | 20.9 | R 101.7 |
| 1975 | 0.6 | 7.1 | 6.3 | 8.0 | 0.3 | 11.8 | 27.6 | 54.1 | 0.0 | 6.6 | NA | NA | 7.4 | 75.8 | R 17.8 | R 93.6 |
| 1980 | 4.5 | 13.1 | 3.6 | 10.1 | 0.2 | 11.4 | 31.8 | 57.0 | 0.0 | 0.0 | NA | NA | 8.3 | 82.8 | R 20.0 | R 102.8 |
| 1985 | 5.4 | 22.1 | 2.8 | 1.1 | 0.3 | 4.1 | 24.4 | 32.6 | 0.0 | 0.0 | 0.0 | NA | 9.2 | 69.2 | R 21.0 | R 90.2 |
| 1990 | 5.3 | 17.2 | 3.0 | 1.3 | 0.3 | 4.6 | 36.3 | 45.5 | 0.0 | 0.2 | 0.0 | 0.0 | 11.2 | 77.5 | R 25.6 | R 103.1 |
| 1995 | 4.9 | 20.1 | 2.0 | 1.3 | 0.3 | 9.9 | 36.8 | 50.2 | 0.0 | 0.3 | 0.0 | 0.0 | 12.0 | 87.5 | R 27.0 | R 114.5 |
| 1996 | 4.1 | 14.7 | 2.9 | 2.3 | 0.4 | 9.2 | 42.2 | 57.0 | 0.0 | 0.4 | 0.0 | 0.0 | 11.6 | 87.8 | R 26.2 | R 114.0 |
| 1997 | 4.4 | 15.3 | 2.6 | 0.2 | 0.4 | 7.6 | 42.0 | 52.8 | 0.0 | 0.4 | 0.0 | 0.0 | 12.8 | 85.7 | R 28.7 | R 114.5 |
| 1998 | 4.4 | 17.3 | 2.5 | 0.7 | 0.4 | 6.1 | 39.5 | 49.4 | 0.0 | 0.4 | 0.0 | 0.0 | 12.9 | 84.3 | R 29.1 | R 113.4 |
| 1999 | 3.7 | 22.5 | 2.8 | 0.1 | 0.4 | 7.4 | 40.3 | 50.9 | 0.0 | 0.4 | 0.0 | 0.0 | 12.3 | 89.8 | R 28.0 | R 117.9 |
| 2000 | 4.7 | 26.4 | 2.8 | 0.5 | 0.3 | 9.0 | 34.9 | 47.6 | 0.0 | 0.4 | 0.0 | 0.0 | 12.3 | 91.3 | R 27.8 | R 119.0 |
| 2001 | 4.5 | 20.7 | 3.5 | 0.9 | 0.5 | 8.4 | 41.4 | 54.8 | 0.0 | 0.1 | 0.0 | 0.0 | 13.6 | 93.7 | R 30.1 | R 123.7 |
| 2002 | 2.6 | 18.3 | 3.6 | 0.4 | 0.6 | 7.3 | 43.3 | 55.1 | 0.0 | 0.1 | 0.0 | 0.0 | 14.2 | 90.2 | R 31.4 | R 121.6 |
| 2003 | 2.6 | 15.7 | 2.9 | 0.9 | 0.6 | 4.1 | 44.4 | 52.9 | 0.0 | 0.1 | 0.0 | 0.0 | 15.4 | 86.8 | R 33.9 | R 120.6 |
| 2004 | 3.1 | 16.6 | 2.7 | 0.7 | 0.7 | 4.9 | 42.8 | 51.8 | 0.0 | 0.1 | 0.0 | 0.0 | 11.7 | 83.2 | R 25.7 | R 108.9 |
| 2005 | 3.1 | 15.8 | 3.3 | 1.2 | 0.5 | 4.5 | 45.5 | 55.1 | 0.0 | 0.1 | 0.0 | 0.0 | 11.3 | 85.4 | R 24.5 | R 109.9 |
| 2006 | 2.7 | 17.0 | 2.7 | 1.3 | 0.6 | 3.8 | R 32.4 | R 40.9 | 0.0 | R (s) | 0.0 | 0.0 | 10.6 | R 71.2 | R 22.7 | R 93.9 |
| 2007 | 2.7 | 16.6 | 2.6 | 0.8 | 1.0 | 3.3 | R 31.1 | R 38.7 | 0.0 | R (s) | 0.0 | 0.0 | 10.5 | R 68.6 | R 22.5 | R 91.1 |
| 2008 | 2.2 | 18.8 | R 1.9 | 0.6 | 0.7 | 3.1 | R 30.0 | R 36.3 | 0.0 | R (s) | 0.0 | 0.0 | 10.2 | R 67.6 | R 21.8 | R 89.4 |
| 2009 | 0.6 | 18.0 | 3.3 | 0.6 | 0.7 | 2.2 | 5.9 | 12.8 | 0.0 | (s) | 0.0 | 0.0 | 9.3 | 40.6 | 19.7 | 60.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 1 | 0 | 19 | 166 | 2,144 | 2 | 74 | 4,096 | 1,464 | 7,965 | 0 | – – | – – | – – |
| 1965 | (s) | 0 | 150 | 256 | 2,086 | 3 | 71 | 4,921 | 589 | 8,076 | 0 | – – | – – | – – |
| 1970 | (s) | 0 | 20 | 385 | 2,062 | 13 | 67 | 6,131 | 671 | 9,350 | 0 | – – | – – | – – |
| 1975 | (s) | 0 | 15 | 510 | 1,654 | 36 | 52 | 6,973 | 961 | 10,201 | 0 | – – | – – | – – |
| 1980 | 0 | 0 | 10 | 963 | 1,573 | 14 | 64 | 6,533 | 812 | 9,970 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 16 | 1,264 | 1,569 | 5 | 58 | 7,464 | 232 | 10,608 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 78 | 1,342 | 1,306 | 6 | 65 | 7,929 | 900 | 11,625 | 0 | – – | – – | – – |
| 1995 | 0 | (s) | 53 | 1,493 | 76 | 5 | 62 | 8,398 | 1,030 | 11,117 | 0 | – – | – – | – – |
| 1996 | 0 | (s) | 52 | 1,555 | 62 | 4 | 60 | 8,375 | 1,997 | 12,105 | 0 | – – | – – | – – |
| 1997 | 0 | (s) | 64 | 1,522 | 73 | 7 | 64 | 8,510 | 1,666 | 11,906 | 0 | – – | – – | – – |
| 1998 | 0 | (s) | 55 | 1,519 | 87 | 3 | 67 | 8,982 | 1,372 | 12,085 | 0 | – – | – – | – – |
| 1999 | 0 | (s) | 15 | 1,398 | 105 | 2 | 67 | 9,163 | 1,743 | 12,493 | 0 | – – | – – | – – |
| 2000 | 0 | (s) | 20 | 2,151 | 104 | 2 | 66 | 8,928 | 1,635 | 12,908 | 0 | – – | – – | – – |
| 2001 | 0 | (s) | 62 | 1,384 | 129 | (s) | 61 | 9,170 | 1,304 | 12,110 | 0 | – – | – – | – – |
| 2002 | 0 | (s) | 90 | 1,483 | 124 | 3 | 60 | 9,821 | 1,167 | 12,749 | 0 | – – | – – | – – |
| 2003 | 0 | (s) | 79 | 1,468 | 142 | 2 | 56 | 9,766 | 995 | 12,508 | 0 | – – | – – | – – |
| 2004 | 0 | (s) | 75 | 1,595 | 166 | 3 | 56 | 9,927 | 988 | 12,810 | 0 | – – | – – | – – |
| 2005 | 0 | (s) | 136 | 1,662 | 167 | 4 | 56 | 10,418 | 1,090 | 13,533 | 0 | – – | – – | – – |
| 2006 | 0 | (s) | 140 | 1,683 | 144 | 4 | 55 | 10,706 | 1,150 | 13,882 | 0 | – – | – – | – – |
| 2007 | 0 | (s) | 138 | 1,660 | 113 | 2 | 56 | 10,834 | 1,243 | 14,047 | 0 | – – | – – | – – |
| 2008 | 0 | (s) | 105 | R 1,518 | 117 | 13 | 52 | 10,465 | 1,260 | R 13,531 | 0 | – – | – – | – – |
| 2009 | 0 | (s) | 98 | 1,438 | 80 | 3 | 47 | 10,464 | 1,048 | 13,178 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | 0.0 | 0.1 | 1.0 | 11.5 | (s) | 0.5 | 21.5 | 9.2 | 43.7 | 0.0 | 43.7 | 0.0 | 43.7 |
| 1965 | (s) | 0.0 | 0.8 | 1.5 | 11.2 | (s) | 0.4 | 25.8 | 3.7 | 43.4 | 0.0 | 43.4 | 0.0 | 43.4 |
| 1970 | (s) | 0.0 | 0.1 | 2.2 | 11.1 | 0.1 | 0.4 | 32.2 | 4.2 | 50.3 | 0.0 | 50.3 | 0.0 | 50.3 |
| 1975 | (s) | 0.0 | 0.1 | 3.0 | 8.9 | 0.1 | 0.3 | 36.6 | 6.0 | 55.0 | 0.0 | 55.0 | 0.0 | 55.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 5.6 | 8.4 | 0.1 | 0.4 | 34.3 | 5.1 | 54.0 | 0.0 | 54.0 | 0.0 | 54.0 |
| 1985 | 0.0 | (s) | 0.1 | 7.4 | 8.4 | (s) | 0.4 | 39.2 | 1.5 | 56.9 | 0.0 | 56.9 | 0.0 | 56.9 |
| 1990 | 0.0 | (s) | 0.4 | 7.8 | 7.0 | (s) | 0.4 | 41.6 | 5.7 | 63.0 | 0.0 | 63.0 | 0.0 | 63.0 |
| 1995 | 0.0 | (s) | 0.3 | 8.7 | 0.4 | (s) | 0.4 | 43.8 | 6.5 | 60.1 | 0.0 | 60.1 | 0.0 | 60.1 |
| 1996 | 0.0 | (s) | 0.3 | 9.1 | 0.4 | (s) | 0.4 | 43.7 | 12.6 | 66.3 | 0.0 | 66.3 | 0.0 | 66.3 |
| 1997 | 0.0 | (s) | 0.3 | 8.9 | 0.4 | (s) | 0.4 | 44.4 | 10.5 | 64.9 | 0.0 | 64.9 | 0.0 | 64.9 |
| 1998 | 0.0 | (s) | 0.3 | 8.8 | 0.5 | (s) | 0.4 | 46.8 | 8.6 | 65.5 | 0.0 | 65.5 | 0.0 | 65.5 |
| 1999 | 0.0 | 0.1 | 0.1 | 8.1 | 0.6 | (s) | 0.4 | 47.7 | 11.0 | 67.9 | 0.0 | 68.0 | 0.0 | 68.0 |
| 2000 | 0.0 | 0.1 | 0.1 | 12.5 | 0.6 | (s) | 0.4 | 46.5 | 10.3 | 70.4 | 0.0 | 70.5 | 0.0 | 70.5 |
| 2001 | 0.0 | 0.1 | 0.3 | 8.1 | 0.7 | (s) | 0.4 | 47.8 | 8.2 | 65.4 | 0.0 | 65.5 | 0.0 | 65.5 |
| 2002 | 0.0 | 0.1 | 0.5 | 8.6 | 0.7 | (s) | 0.4 | 51.1 | 7.3 | 68.7 | 0.0 | 68.8 | 0.0 | 68.8 |
| 2003 | 0.0 | 0.1 | 0.4 | 8.6 | 0.8 | (s) | 0.3 | 50.9 | 6.3 | 67.2 | 0.0 | 67.3 | 0.0 | 67.3 |
| 2004 | 0.0 | 0.1 | 0.4 | 9.3 | 0.9 | (s) | 0.3 | 51.8 | 6.2 | 68.9 | 0.0 | 69.0 | 0.0 | 69.0 |
| 2005 | 0.0 | 0.1 | 0.7 | 9.7 | 0.9 | (s) | 0.3 | 54.4 | 6.9 | 72.9 | 0.0 | 72.9 | 0.0 | 72.9 |
| 2006 | 0.0 | (s) | 0.7 | 9.8 | 0.8 | (s) | 0.3 | 55.9 | 7.2 | 74.8 | 0.0 | 74.8 | 0.0 | 74.8 |
| 2007 | 0.0 | (s) | 0.7 | 9.7 | 0.6 | (s) | 0.3 | 56.5 | 7.8 | 75.7 | 0.0 | 75.7 | 0.0 | 75.7 |
| 2008 | 0.0 | (s) | 0.5 | 8.8 | 0.7 | (s) | 0.3 | 54.6 | 7.9 | 72.9 | 0.0 | R 73.0 | 0.0 | R 73.0 |
| 2009 | 0.0 | (s) | 0.5 | 8.4 | 0.5 | (s) | 0.3 | 54.6 | 6.6 | 70.8 | 0.0 | 70.8 | 0.0 | 70.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Delaware

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 737 | 3 | 40 | 8 | 0 | 48 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 1,055 | 5 | 84 | 17 | 0 | 100 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 1,497 | 4 | 1,537 | 307 | 1,240 | 3,084 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 905 | 2 | 6,176 | 135 | 237 | 6,547 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 942 | 7 | 5,831 | 187 | 470 | 6,488 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 2,543 | 7 | 2,650 | 101 | 351 | 3,102 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 2,056 | 11 | 1,991 | 110 | 1,410 | 3,510 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 1,816 | 27 | 1,335 | 160 | 0 | 1,495 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 1,787 | 23 | 1,747 | 222 | 0 | 1,969 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 1,685 | 16 | 1,313 | 122 | 0 | 1,435 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 1,592 | 11 | 1,991 | 120 | 0 | 2,111 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 1,244 | 20 | 1,846 | 213 | 0 | 2,059 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 1,755 | 8 | 872 | 261 | 0 | 1,133 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 1,480 | 15 | 2,160 | 221 | 0 | 2,381 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 1,541 | 17 | 1,058 | 182 | 0 | 1,240 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 1,787 | 12 | 1,659 | 531 | 0 | 2,190 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 2,055 | 13 | 950 | 83 | 0 | 1,033 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 2,208 | 13 | 1,193 | 96 | 0 | 1,290 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 2,189 | 10 | 123 | 74 | 0 | 196 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 2,462 | 13 | 265 | 57 | 0 | 322 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 2,391 | 11 | 93 | 87 | 0 | 179 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 1,352 | 11 | 73 | 114 | 0 | 187 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 19.1 | 3.3 | 0.2 | (s) | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 22.7 |
| 1965 | 27.8 | 4.8 | 0.5 | 0.1 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 33.3 |
| 1970 | 36.2 | 3.8 | 9.7 | 1.8 | 7.5 | 18.9 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 59.0 |
| 1975 | 22.2 | 1.8 | 38.8 | 0.8 | 1.4 | 41.0 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 65.1 |
| 1980 | 23.5 | 7.3 | 36.7 | 1.1 | 2.8 | 40.6 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 71.3 |
| 1985 | 65.9 | 7.5 | 16.7 | 0.6 | 2.1 | 19.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 92.8 |
| 1990 | 53.6 | 11.5 | 12.5 | 0.6 | 8.5 | 21.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 |
| 1995 | 47.5 | 27.9 | 8.4 | 0.9 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 84.7 |
| 1996 | 46.5 | 24.2 | 11.0 | 1.3 | 0.0 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 83.0 |
| 1997 | 44.0 | 16.6 | 8.3 | 0.7 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.7 |
| 1998 | 41.3 | 10.8 | 12.5 | 0.7 | 0.0 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.3 |
| 1999 | 32.2 | 19.5 | 11.6 | 1.2 | 0.0 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.5 |
| 2000 | 45.5 | 8.5 | 5.5 | 1.5 | 0.0 | 7.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 61.2 |
| 2001 | 33.8 | 15.7 | 13.6 | 1.3 | 0.0 | 14.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.4 |
| 2002 | 38.0 | 17.8 | 6.7 | 1.1 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63.4 |
| 2003 | 44.4 | 12.2 | 10.4 | 3.1 | 0.0 | 13.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.2 |
| 2004 | 50.5 | 13.5 | 6.0 | 0.5 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.4 |
| 2005 | 53.6 | 13.4 | 7.5 | 0.6 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 75.0 |
| 2006 | 53.9 | 9.9 | 0.8 | 0.4 | 0.0 | 1.2 | 0.0 | 0.0 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 65.0 |
| 2007 | 61.1 | 14.0 | 1.7 | 0.3 | 0.0 | 2.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 77.6 |
| 2008 | 58.7 | 11.6 | 0.6 | 0.5 | 0.0 | 1.1 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 73.2 |
| 2009 | 33.4 | 11.3 | 0.5 | 0.7 | 0.0 | 1.1 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 47.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 1,051 | 13 | 2,894 | 0 | 2 | 4,957 | 2,428 | 292 | 10,573 | 0 | 3 | NA |
| 1965 | 526 | 17 | 3,435 | (s) | 2 | 5,469 | 6,749 | 194 | 15,850 | 0 | 3 | NA |
| 1970 | 1,128 | 26 | 4,934 | (s) | 4 | 5,688 | 11,144 | 119 | 21,889 | 0 | 1 | NA |
| 1971 | 625 | 27 | 3,837 | 1 | 4 | 5,673 | 10,854 | 161 | 20,531 | 0 | 1 | NA |
| 1972 | 510 | 29 | 3,354 | 3 | 5 | 5,636 | 10,589 | 113 | 19,698 | 0 | 1 | NA |
| 1973 | 564 | 28 | 3,569 | 1 | 5 | 5,976 | 11,068 | 110 | 20,728 | 0 | 1 | NA |
| 1974 | 502 | 27 | 3,592 | (s) | 4 | 5,699 | 7,421 | 143 | 16,858 | 0 | 1 | NA |
| 1975 | 418 | 26 | 3,157 | 0 | 4 | 5,748 | 4,174 | 190 | 13,273 | 0 | 1 | NA |
| 1976 | 242 | 29 | 3,418 | 0 | 5 | 5,500 | 4,250 | 199 | 13,372 | 0 | 1 | NA |
| 1977 | 167 | 26 | 3,598 | 0 | 5 | 5,215 | 5,358 | 354 | 14,528 | 0 | 0 | NA |
| 1978 | 83 | 26 | 3,309 | (s) | 5 | 5,124 | 5,059 | 347 | 13,844 | 0 | 0 | NA |
| 1979 | 119 | 30 | 2,773 | 3 | 3 | 4,544 | 2,419 | 388 | 10,130 | 0 | 0 | NA |
| 1980 | 134 | 28 | 2,284 | 329 | 4 | 3,881 | 1,612 | 345 | 8,455 | 0 | 0 | NA |
| 1981 | 99 | 29 | 1,475 | 566 | 5 | 3,978 | 1,074 | 150 | 7,247 | 0 | 0 | (s) |
| 1982 | 125 | 29 | 1,999 | 336 | 5 | 4,018 | 1,687 | 78 | 8,123 | 0 | 0 | (s) |
| 1983 | 123 | 29 | 2,304 | 108 | 5 | 3,978 | 1,310 | 96 | 7,801 | 0 | 0 | (s) |
| 1984 | 100 | 29 | 2,587 | 39 | 8 | 4,218 | 1,466 | 95 | 8,412 | 0 | 0 | (s) |
| 1985 | 140 | 29 | 2,394 | 7 | 4 | 3,802 | 740 | 151 | 7,098 | 0 | 0 | (s) |
| 1986 | 54 | 30 | 2,584 | 501 | 4 | 3,877 | 1,485 | 99 | 8,550 | 0 | 0 | (s) |
| 1987 | 70 | 31 | 2,134 | (s) | 4 | 4,246 | 1,355 | 106 | 7,845 | 0 | 0 | 1 |
| 1988 | 31 | 33 | 2,021 | 5 | 5 | 4,358 | 1,168 | 107 | 7,664 | 0 | 0 | 1 |
| 1989 | 60 | 33 | 1,895 | 0 | 5 | 4,200 | 1,443 | 147 | 7,690 | 0 | 0 | 1 |
| 1990 | 69 | 29 | 1,652 | 5 | 4 | 4,043 | 1,020 | 104 | 6,829 | 0 | 0 | 0 |
| 1991 | 66 | 31 | 1,696 | 0 | 4 | 4,023 | 664 | 86 | 6,474 | 0 | 0 | 1 |
| 1992 | 50 | 33 | 1,700 | 0 | 7 | 4,024 | 469 | 86 | 6,286 | 0 | 0 | 0 |
| 1993 | 51 | 33 | 1,686 | 101 | 6 | 4,185 | 647 | 97 | 6,724 | 0 | 0 | 0 |
| 1994 | 47 | 31 | 1,981 | 0 | 6 | 4,099 | 735 | 99 | 6,919 | 0 | 0 | 0 |
| 1995 | 6 | 33 | 1,839 | 0 | 5 | 4,142 | 532 | 224 | 6,742 | 0 | 0 | 0 |
| 1996 | 23 | 34 | 2,004 | 0 | 6 | 3,862 | 337 | 187 | 6,396 | 0 | 0 | 0 |
| 1997 | 40 | 34 | 1,474 | 0 | 7 | 4,066 | 160 | 307 | 6,015 | 0 | 0 | 0 |
| 1998 | 6 | 30 | 1,284 | 0 | 3 | 4,031 | 454 | 393 | 6,165 | 0 | 0 | 0 |
| 1999 | 6 | 32 | 1,380 | 0 | 3 | 3,979 | 442 | 326 | 6,130 | 0 | 0 | 0 |
| 2000 | 7 | 33 | 1,710 | 0 | 7 | 4,070 | 210 | 340 | 6,337 | 0 | 0 | 0 |
| 2001 | 30 | 30 | 1,660 | 0 | 5 | 3,890 | 285 | 293 | 6,134 | 0 | 0 | 0 |
| 2002 | 4 | 33 | 2,131 | 0 | 3 | 3,927 | 0 | 88 | 6,149 | 0 | 0 | 0 |
| 2003 | 7 | 33 | 1,859 | 0 | 5 | 3,497 | 0 | 77 | 5,437 | 0 | 0 | 0 |
| 2004 | 30 | 32 | 1,960 | 0 | 4 | 3,590 | 0 | 74 | 5,629 | 0 | 0 | 0 |
| 2005 | 38 | 32 | 1,873 | 0 | 4 | 3,366 | 0 | 78 | 5,322 | 0 | 0 | 62 |
| 2006 | 0 | 29 | 1,046 | 0 | 4 | 3,188 | 0 | 79 | 4,318 | 0 | 0 | 163 |
| 2007 | 20 | 33 | 1,030 | 0 | 5 | 3,057 | 0 | 87 | 4,178 | 0 | 0 | 196 |
| 2008 | 14 | 32 | R 965 | 0 | 5 | 2,575 | 0 | 77 | R 3,622 | 0 | 0 | 143 |
| 2009 | 12 | 32 | 904 | 0 | 5 | 2,691 | 0 | 68 | 3,668 | 0 | 0 | 163 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia
(Trillion Btu)

| | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| Year | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 27.8 | 13.0 | 16.9 | 0.0 | (s) | 26.0 | 15.3 | 1.7 | 59.9 | 100.6 | *13.0* | *26.0* |
| 1965 | 13.8 | 17.3 | 20.0 | (s) | (s) | 28.7 | 42.4 | 1.1 | 92.3 | 123.4 | *17.3* | *28.7* |
| 1970 | 28.4 | 26.4 | 28.7 | (s) | (s) | 29.9 | 70.1 | 0.7 | 129.4 | 184.2 | *26.4* | *29.9* |
| 1971 | 15.4 | 27.7 | 22.4 | (s) | (s) | 29.8 | 68.2 | 1.0 | 121.4 | 164.5 | *27.7* | *29.8* |
| 1972 | 12.6 | 29.0 | 19.5 | (s) | (s) | 29.6 | 66.6 | 0.7 | 116.4 | 158.0 | *29.0* | *29.6* |
| 1973 | 14.1 | 28.2 | 20.8 | (s) | (s) | 31.4 | 69.6 | 0.7 | 122.5 | 164.7 | *28.2* | *31.4* |
| 1974 | 12.3 | 27.6 | 20.9 | (s) | (s) | 29.9 | 46.7 | 0.9 | 98.4 | 138.2 | *27.6* | *29.9* |
| 1975 | 10.1 | 26.2 | 18.4 | 0.0 | (s) | 30.2 | 26.2 | 1.1 | 76.0 | 112.3 | *26.2* | *30.2* |
| 1976 | 5.8 | 29.0 | 19.9 | 0.0 | (s) | 28.9 | 26.7 | 1.2 | 76.7 | 111.6 | *29.0* | *28.9* |
| 1977 | 4.0 | 26.2 | 21.0 | 0.0 | (s) | 27.4 | 33.7 | 2.1 | 84.1 | 114.3 | *26.2* | *27.4* |
| 1978 | 2.0 | 26.6 | 19.3 | (s) | (s) | 26.9 | 31.8 | 2.0 | 80.0 | 108.6 | *26.6* | *26.9* |
| 1979 | 2.9 | 30.1 | 16.2 | (s) | (s) | 23.9 | 15.2 | 2.2 | 57.5 | 90.5 | *30.1* | *23.9* |
| 1980 | 3.3 | 27.9 | 13.3 | 1.9 | (s) | 20.4 | 10.1 | 2.0 | 47.7 | 78.9 | *28.0* | *20.4* |
| 1981 | 2.4 | 29.4 | 8.6 | 3.2 | (s) | 20.9 | 6.7 | 0.9 | 40.4 | 72.2 | *29.4* | *20.9* |
| 1982 | 3.1 | 29.7 | 11.6 | 1.9 | (s) | 21.1 | 10.6 | 0.5 | 45.8 | 78.6 | *29.8* | *21.1* |
| 1983 | 3.0 | 29.6 | 13.4 | 0.6 | (s) | 20.9 | 8.2 | 0.6 | 43.8 | 76.4 | *29.6* | *20.9* |
| 1984 | 2.5 | 29.8 | 15.1 | 0.2 | (s) | 22.2 | 9.2 | 0.6 | 47.3 | 79.5 | *29.8* | *22.2* |
| 1985 | 3.5 | 29.3 | 13.9 | (s) | (s) | 20.0 | 4.7 | 0.9 | 39.5 | 72.4 | *29.3* | *20.0* |
| 1986 | 1.4 | 30.0 | 15.1 | 2.8 | (s) | 20.4 | 9.3 | 0.6 | 48.2 | 79.6 | *30.0* | *20.4* |
| 1987 | 1.7 | 31.4 | 12.4 | (s) | (s) | 22.3 | 8.5 | 0.7 | 43.9 | 77.1 | *31.4* | *22.3* |
| 1988 | 0.8 | 33.1 | 11.8 | (s) | (s) | 22.9 | 7.3 | 0.7 | 42.7 | 76.6 | *33.1* | *22.9* |
| 1989 | 1.5 | 33.8 | 11.0 | 0.0 | (s) | 22.1 | 9.1 | 0.9 | 43.1 | 78.3 | *33.8* | *22.1* |
| 1990 | 1.7 | 29.1 | 9.6 | (s) | (s) | 21.2 | 6.4 | 0.6 | 38.0 | 68.8 | *29.1* | *21.2* |
| 1991 | 1.7 | 31.3 | 9.9 | 0.0 | (s) | 21.1 | 4.2 | 0.5 | 35.7 | 68.7 | *31.3* | *21.1* |
| 1992 | 1.3 | 33.2 | 9.9 | 0.0 | (s) | 21.1 | 2.9 | 0.5 | 34.5 | 69.0 | *33.2* | *21.1* |
| 1993 | 1.3 | 33.3 | 9.8 | 0.6 | (s) | 22.0 | 4.1 | 0.6 | 37.1 | 71.7 | *33.3* | *22.0* |
| 1994 | 1.2 | 31.2 | 11.5 | 0.0 | (s) | 21.4 | 4.6 | 0.6 | 38.2 | 70.6 | *31.2* | *21.4* |
| 1995 | 0.1 | 33.2 | 10.7 | 0.0 | (s) | 21.6 | 3.3 | 1.3 | 37.0 | 70.3 | *33.2* | *21.6* |
| 1996 | 0.6 | 34.2 | 11.7 | 0.0 | (s) | 20.1 | 2.1 | 1.1 | 35.1 | 69.9 | *34.2* | *20.1* |
| 1997 | 1.0 | 34.8 | 8.6 | 0.0 | (s) | 21.2 | 1.0 | 1.8 | 32.6 | 68.4 | *34.8* | *21.2* |
| 1998 | 0.2 | 31.2 | 7.5 | 0.0 | (s) | 21.0 | 2.9 | 2.3 | 33.6 | 65.0 | *31.2* | *21.0* |
| 1999 | 0.2 | 33.0 | 8.0 | 0.0 | (s) | 20.7 | 2.8 | 1.9 | 33.5 | 66.6 | *33.0* | *20.7* |
| 2000 | 0.2 | 34.4 | 10.0 | 0.0 | (s) | 21.2 | 1.3 | 2.0 | 34.5 | 69.0 | *34.4* | *21.2* |
| 2001 | 0.7 | 30.6 | 9.7 | 0.0 | (s) | 20.3 | 1.8 | 1.7 | 33.5 | 64.8 | *30.6* | *20.3* |
| 2002 | 0.1 | 33.7 | 12.4 | 0.0 | (s) | 20.5 | 0.0 | 0.5 | 33.4 | 67.2 | *33.7* | *20.5* |
| 2003 | 0.2 | 33.7 | 10.8 | 0.0 | (s) | 18.2 | 0.0 | 0.5 | 29.5 | 63.4 | *33.7* | *18.2* |
| 2004 | 0.7 | 33.1 | 11.4 | 0.0 | (s) | 18.7 | 0.0 | 0.5 | 30.6 | 64.5 | *33.1* | *18.7* |
| 2005 | 0.9 | 33.8 | 10.9 | 0.0 | (s) | 17.3 | 0.0 | 0.5 | 28.8 | 63.4 | *33.8* | *17.6* |
| 2006 | 0.0 | 29.8 | 6.1 | 0.0 | (s) | 16.1 | 0.0 | 0.5 | R 22.7 | 52.4 | *29.8* | *16.6* |
| 2007 | 0.5 | 33.9 | 6.0 | 0.0 | (s) | 15.3 | 0.0 | 0.5 | 21.8 | 56.2 | *33.9* | *16.0* |
| 2008 | 0.4 | 32.8 | 5.6 | 0.0 | (s) | 12.9 | 0.0 | 0.5 | R 19.1 | 52.2 | *32.8* | *13.4* |
| 2009 | 0.3 | 33.5 | 5.3 | 0.0 | (s) | 13.5 | 0.0 | 0.4 | 19.2 | 53.0 | *33.5* | *14.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.2 | 19.1 | 0.0 | 119.9 |
| 1965 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | 35.6 | 0.0 | 159.2 |
| 1970 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | R 21.5 | 0.0 | 205.9 |
| 1971 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | 34.8 | 0.0 | 199.4 |
| 1972 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | 30.8 | 0.0 | R 188.8 |
| 1973 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | R 28.6 | 0.0 | R 193.4 |
| 1974 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | R 32.9 | 0.0 | R 171.3 |
| 1975 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | R 50.7 | 0.0 | R 163.2 |
| 1976 | 0.0 | (s) | 0.1 | NA | NA | 0.1 | 0.0 | NA | NA | 0.1 | R 52.7 | 0.0 | R 164.4 |
| 1977 | 0.0 | 0.0 | 0.2 | NA | NA | 0.2 | 0.0 | NA | NA | 0.2 | R 48.9 | 0.0 | R 163.4 |
| 1978 | 0.0 | 0.0 | 0.2 | NA | NA | 0.2 | 0.0 | NA | NA | 0.2 | R 51.5 | 0.0 | R 160.3 |
| 1979 | 0.0 | 0.0 | 0.2 | NA | NA | 0.2 | 0.0 | NA | NA | 0.2 | R 61.7 | 0.0 | R 152.4 |
| 1980 | 0.0 | 0.0 | 2.8 | NA | NA | 2.8 | 0.0 | NA | NA | 2.8 | R 71.5 | 0.0 | R 153.3 |
| 1981 | 0.0 | 0.0 | 2.3 | (s) | 0.0 | 2.3 | 0.0 | NA | NA | 2.3 | R 74.8 | 0.0 | R 149.3 |
| 1982 | 0.0 | 0.0 | 3.7 | (s) | 0.0 | 3.7 | 0.0 | NA | NA | 3.7 | R 81.6 | 0.0 | R 163.8 |
| 1983 | 0.0 | 0.0 | 2.6 | (s) | 0.0 | 2.6 | 0.0 | NA | 0.0 | 2.6 | R 83.6 | 0.0 | R 162.6 |
| 1984 | 0.0 | 0.0 | 3.2 | (s) | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 3.2 | R 84.2 | 0.0 | R 167.0 |
| 1985 | 0.0 | 0.0 | 3.3 | (s) | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 3.3 | R 90.3 | 0.0 | R 165.9 |
| 1986 | 0.0 | 0.0 | 3.0 | (s) | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 3.0 | R 92.1 | 0.0 | R 174.7 |
| 1987 | 0.0 | 0.0 | 2.2 | (s) | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 2.2 | R 94.9 | 0.0 | R 174.2 |
| 1988 | 0.0 | 0.0 | 2.4 | (s) | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 2.4 | R 96.0 | 0.0 | R 175.0 |
| 1989 | 0.0 | 0.0 | 2.5 | (s) | 0.0 | 2.5 | 0.0 | (s) | 0.0 | 2.5 | R 99.7 | 0.0 | R 180.5 |
| 1990 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 1.3 | 0.0 | (s) | 0.0 | 1.3 | R 105.3 | 0.0 | R 175.3 |
| 1991 | 0.0 | 0.0 | 1.3 | (s) | 0.0 | 1.3 | 0.0 | (s) | 0.0 | 1.3 | R 110.9 | 0.0 | R 180.9 |
| 1992 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.4 | 0.0 | (s) | 0.0 | 1.4 | R 110.2 | 0.0 | R 180.6 |
| 1993 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | (s) | 0.0 | 1.9 | R 112.5 | 0.0 | R 186.1 |
| 1994 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 1.8 | 0.0 | (s) | 0.0 | 1.8 | R 109.6 | 0.0 | R 182.0 |
| 1995 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | (s) | 0.0 | 1.9 | R 111.7 | 0.0 | R 183.9 |
| 1996 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | (s) | 0.0 | 1.9 | R 110.9 | 0.0 | R 182.7 |
| 1997 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.4 | 0.0 | (s) | 0.0 | 1.4 | R 110.9 | 0.0 | R 180.7 |
| 1998 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | (s) | 0.0 | 1.2 | R 110.6 | 0.0 | R 176.9 |
| 1999 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 1.3 | 0.0 | (s) | 0.0 | 1.3 | R 113.0 | 0.0 | R 180.8 |
| 2000 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.4 | 0.0 | (s) | 0.0 | 1.4 | R 115.8 | 0.0 | R 186.3 |
| 2001 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | (s) | 0.0 | 0.9 | R 117.3 | 0.0 | R 182.9 |
| 2002 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | (s) | 0.0 | 0.9 | R 118.5 | 0.0 | R 186.6 |
| 2003 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | (s) | 0.0 | 0.9 | R 118.2 | 0.0 | R 182.5 |
| 2004 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | (s) | 0.0 | 0.9 | R 123.9 | 0.0 | R 189.2 |
| 2005 | 0.0 | 0.0 | R (s) | 0.2 | 0.0 | R 0.3 | 0.0 | (s) | 0.0 | R 0.3 | R 124.8 | 0.0 | R 188.5 |
| 2006 | 0.0 | 0.0 | R (s) | 0.6 | 0.0 | R 0.6 | 0.0 | (s) | 0.0 | R 0.6 | R 121.1 | 0.0 | R 174.2 |
| 2007 | 0.0 | 0.0 | R (s) | 0.7 | 0.0 | R 0.7 | 0.0 | (s) | 0.0 | R 0.7 | R 128.8 | 0.0 | R 185.7 |
| 2008 | 0.0 | 0.0 | R (s) | 0.5 | 0.0 | R 0.5 | 0.0 | (s) | 0.0 | R 0.5 | R 126.0 | 0.0 | R 178.8 |
| 2009 | 0.0 | 0.0 | (s) | 0.6 | 0.0 | 0.6 | 0.0 | (s) | 0.0 | 0.6 | 128.7 | 0.0 | 182.4 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 605 | 13 | 2,890 | 0 | 2 | 4,957 | 2,420 | 292 | 10,561 | 0 | – – | – – | – – | – – | 2,654 | – – | – – | – – |
| 1965 | 233 | 17 | 3,431 | (s) | 2 | 5,469 | 6,739 | 194 | 15,837 | 0 | – – | – – | – – | – – | 3,773 | – – | – – | – – |
| 1970 | 455 | 26 | 3,800 | (s) | 4 | 5,688 | 8,390 | 119 | 17,999 | 0 | – – | – – | – – | – – | 5,392 | – – | – – | – – |
| 1975 | 307 | 26 | 3,067 | 0 | 4 | 5,748 | 2,087 | 190 | 11,095 | 0 | – – | – – | – – | – – | 5,796 | – – | – – | – – |
| 1980 | 134 | 28 | 2,175 | 329 | 4 | 3,881 | 150 | 345 | 6,884 | 0 | – – | – – | – – | – – | 7,004 | – – | – – | – – |
| 1985 | 140 | 29 | 2,328 | 7 | 4 | 3,802 | 489 | 151 | 6,782 | 0 | – – | – – | – – | – – | 8,214 | – – | – – | – – |
| 1990 | 69 | 29 | 1,579 | 5 | 4 | 4,043 | 222 | 104 | 5,958 | 0 | – – | – – | – – | – – | 9,848 | – – | – – | – – |
| 1995 | 6 | 33 | 1,764 | 0 | 5 | 4,142 | 130 | 224 | 6,266 | 0 | – – | – – | – – | – – | 10,316 | – – | – – | – – |
| 2000 | 7 | 33 | 1,540 | 0 | 7 | 4,070 | 1 | 340 | 5,958 | 0 | – – | – – | – – | – – | 10,616 | – – | – – | – – |
| 2001 | 30 | 30 | 1,608 | 0 | 5 | 3,890 | 2 | 293 | 5,798 | 0 | – – | – – | – – | – – | 10,880 | – – | – – | – – |
| 2002 | 4 | 33 | 1,511 | 0 | 3 | 3,927 | 0 | 88 | 5,529 | 0 | – – | – – | – – | – – | 11,129 | – – | – – | – – |
| 2003 | 7 | 33 | 1,669 | 0 | 5 | 3,497 | 0 | 77 | 5,247 | 0 | – – | – – | – – | – – | 10,946 | – – | – – | – – |
| 2004 | 30 | 32 | 1,830 | 0 | 4 | 3,590 | 0 | 74 | 5,499 | 0 | – – | – – | – – | – – | 11,415 | – – | – – | – – |
| 2005 | 38 | 32 | 1,334 | 0 | 4 | 3,366 | 0 | 78 | 4,782 | 0 | – – | – – | – – | – – | 11,816 | – – | – – | – – |
| 2006 | 0 | 29 | 815 | 0 | 4 | 3,188 | 0 | 79 | 4,086 | 0 | – – | – – | – – | – – | 11,396 | – – | – – | – – |
| 2007 | 20 | 33 | 832 | 0 | 5 | 3,057 | 0 | 87 | 3,981 | 0 | – – | – – | – – | – – | 12,110 | – – | – – | – – |
| 2008 | 14 | 32 | 801 | 0 | 5 | 2,575 | 0 | 77 | 3,458 | 0 | – – | – – | – – | – – | 11,851 | – – | – – | – – |
| 2009 | 12 | 32 | 819 | 0 | 5 | 2,691 | 0 | 68 | 3,583 | 0 | – – | – – | – – | – – | 12,199 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 15.5 | 13.0 | 16.8 | 0.0 | (s) | 26.0 | 15.2 | 1.7 | 59.8 | 0.0 | 0.1 | NA | NA | NA | 9.1 | 97.5 | 22.4 | 119.9 |
| 1965 | 5.9 | 17.3 | 20.0 | (s) | (s) | 28.7 | 42.4 | 1.1 | 92.2 | 0.0 | 0.1 | NA | NA | NA | 12.9 | 128.4 | 30.7 | 159.2 |
| 1970 | 11.0 | 26.4 | 22.1 | (s) | (s) | 29.9 | 52.7 | 0.7 | 105.5 | 0.0 | 0.1 | NA | NA | NA | 18.4 | 161.4 | 44.5 | 205.9 |
| 1975 | 7.3 | 26.2 | 17.9 | 0.0 | (s) | 30.2 | 13.1 | 1.1 | 62.3 | 0.0 | 0.1 | NA | NA | NA | 19.8 | 115.7 | 47.4 | 163.2 |
| 1980 | 3.3 | 28.0 | 12.7 | 1.9 | (s) | 20.4 | 0.9 | 2.0 | 37.9 | 0.0 | 2.8 | NA | NA | NA | 23.9 | 95.9 | 57.4 | 153.3 |
| 1985 | 3.5 | 29.3 | 13.6 | (s) | (s) | 20.0 | 3.1 | 0.9 | 37.6 | 0.0 | 3.3 | 0.0 | NA | NA | 28.0 | 101.7 | 64.2 | 165.9 |
| 1990 | 1.7 | 29.1 | 9.2 | (s) | (s) | 21.2 | 1.4 | 0.6 | 32.5 | 0.0 | 1.3 | 0.0 | 0.0 | (s) | 33.6 | 98.2 | 77.1 | 175.3 |
| 1995 | 0.1 | 33.2 | 10.3 | 0.0 | (s) | 21.6 | 0.8 | 1.3 | 34.0 | 0.0 | 1.9 | 0.0 | 0.0 | (s) | 35.2 | 104.4 | 79.5 | 183.9 |
| 2000 | 0.2 | 34.4 | 9.0 | 0.0 | (s) | 21.2 | (s) | 2.0 | 32.2 | 0.0 | 1.4 | 0.0 | 0.0 | (s) | 36.2 | 104.3 | 81.9 | 186.3 |
| 2001 | 0.7 | 30.6 | 9.4 | 0.0 | (s) | 20.3 | (s) | 1.7 | 31.4 | 0.0 | 0.9 | 0.0 | 0.0 | (s) | 37.1 | 100.7 | 82.3 | 182.9 |
| 2002 | 0.1 | 33.7 | 8.8 | 0.0 | (s) | 20.5 | 0.0 | 0.5 | 29.8 | 0.0 | 0.9 | 0.0 | 0.0 | (s) | 38.0 | 102.4 | 84.1 | 186.6 |
| 2003 | 0.2 | 33.7 | 9.7 | 0.0 | (s) | 18.2 | 0.0 | 0.5 | 28.4 | 0.0 | 0.9 | 0.0 | 0.0 | (s) | 37.3 | 100.6 | 81.9 | 182.5 |
| 2004 | 0.7 | 33.1 | 10.7 | 0.0 | (s) | 18.7 | 0.0 | 0.5 | 29.9 | 0.0 | 0.9 | 0.0 | 0.0 | (s) | 38.9 | 103.6 | 85.7 | 189.2 |
| 2005 | 0.9 | 33.8 | 7.8 | 0.0 | (s) | 17.6 | 0.0 | 0.5 | 25.8 | 0.0 | (s) | 0.0 | 0.0 | (s) | 40.3 | 100.9 | 87.7 | 188.5 |
| 2006 | 0.0 | 29.8 | 4.7 | 0.0 | (s) | 16.6 | 0.0 | 0.5 | 21.9 | 0.0 | (s) | 0.0 | 0.0 | (s) | 38.9 | 90.6 | 83.6 | 174.2 |
| 2007 | 0.5 | 33.9 | 4.8 | 0.0 | (s) | 16.0 | 0.0 | 0.5 | 21.4 | 0.0 | (s) | 0.0 | 0.0 | (s) | 41.3 | 97.1 | 88.6 | 185.7 |
| 2008 | 0.4 | 32.8 | 4.7 | 0.0 | (s) | 13.4 | 0.0 | 0.5 | 18.6 | 0.0 | (s) | 0.0 | 0.0 | (s) | 40.4 | 92.2 | 86.5 | 178.8 |
| 2009 | 0.3 | 33.5 | 4.8 | 0.0 | (s) | 14.0 | 0.0 | 0.4 | 19.3 | 0.0 | (s) | 0.0 | 0.0 | (s) | 41.6 | 94.8 | 87.6 | 182.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 79 | 9 | 1,314 | 67 | 1 | 1,382 | 6 | – – | – – | 429 | – – | – – | – – |
| 1965 | 59 | 11 | 1,241 | 43 | 1 | 1,285 | 4 | – – | – – | 578 | – – | – – | – – |
| 1970 | 22 | 14 | 1,622 | 21 | 1 | 1,644 | 5 | – – | – – | 830 | – – | – – | – – |
| 1975 | 5 | 13 | 1,161 | 7 | 1 | 1,169 | 6 | – – | – – | 909 | – – | – – | – – |
| 1980 | 23 | 14 | 749 | 5 | 1 | 755 | 139 | – – | – – | 1,085 | – – | – – | – – |
| 1985 | 31 | 17 | 553 | 10 | 1 | 564 | 162 | – – | – – | 1,233 | – – | – – | – – |
| 1990 | 14 | 15 | 178 | 3 | 1 | 182 | 58 | – – | – – | 1,480 | – – | – – | – – |
| 1995 | 1 | 16 | 284 | 6 | 1 | 292 | 81 | – – | – – | 1,608 | – – | – – | – – |
| 1996 | 3 | 17 | 302 | 6 | 1 | 310 | 84 | – – | – – | 1,614 | – – | – – | – – |
| 1997 | 4 | 16 | 258 | 6 | 2 | 266 | 59 | – – | – – | 1,554 | – – | – – | – – |
| 1998 | 1 | 13 | 235 | 6 | 1 | 242 | 52 | – – | – – | 1,596 | – – | – – | – – |
| 1999 | 1 | 14 | 209 | 5 | 1 | 215 | 55 | – – | – – | 1,643 | – – | – – | – – |
| 2000 | 1 | 15 | 218 | 3 | 1 | 222 | 59 | – – | – – | 1,624 | – – | – – | – – |
| 2001 | 3 | 13 | 199 | (s) | 1 | 201 | 37 | – – | – – | 1,699 | – – | – – | – – |
| 2002 | (s) | 14 | 352 | (s) | 1 | 353 | 37 | – – | – – | 1,790 | – – | – – | – – |
| 2003 | 1 | 15 | 352 | (s) | 2 | 354 | 39 | – – | – – | 1,754 | – – | – – | – – |
| 2004 | 3 | 14 | 387 | (s) | 2 | 389 | 40 | – – | – – | 1,834 | – – | – – | – – |
| 2005 | 3 | 14 | 351 | (s) | 2 | 352 | R 2 | – – | – – | 1,938 | – – | – – | – – |
| 2006 | 0 | 11 | 183 | 0 | 1 | 184 | R 2 | – – | – – | 1,822 | – – | – – | – – |
| 2007 | 2 | 13 | 205 | 0 | 2 | 206 | R 2 | – – | – – | 1,970 | – – | – – | – – |
| 2008 | 1 | 13 | R 153 | 0 | 2 | R 155 | R 2 | – – | – – | 1,897 | – – | – – | – – |
| 2009 | 1 | 13 | 181 | 0 | 2 | 182 | 2 | – – | – – | 1,859 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 2.0 | 9.0 | 7.7 | 0.4 | (s) | 8.0 | 0.1 | NA | NA | 1.5 | 20.6 | 3.6 | 24.3 |
| 1965 | 1.5 | 11.1 | 7.2 | 0.2 | (s) | 7.5 | 0.1 | NA | NA | 2.0 | 22.1 | 4.7 | 26.8 |
| 1970 | 0.5 | 14.1 | 9.4 | 0.1 | (s) | 9.6 | 0.1 | NA | NA | 2.8 | 27.2 | 6.9 | 34.0 |
| 1975 | 0.1 | 13.3 | 6.8 | (s) | (s) | 6.8 | 0.1 | NA | NA | 3.1 | 23.5 | R 7.4 | 30.9 |
| 1980 | 0.6 | 13.8 | 4.4 | (s) | (s) | 4.4 | 2.8 | NA | NA | 3.7 | 25.2 | 8.9 | 34.1 |
| 1985 | 0.8 | 16.9 | 3.2 | 0.1 | (s) | 3.3 | 3.2 | NA | NA | 4.2 | 28.4 | R 9.6 | R 38.0 |
| 1990 | 0.3 | 15.3 | 1.0 | (s) | (s) | 1.1 | 1.2 | 0.0 | (s) | 5.1 | 22.9 | R 11.6 | 34.5 |
| 1995 | (s) | 15.8 | 1.7 | (s) | (s) | 1.7 | 1.6 | 0.0 | (s) | 5.5 | 24.6 | R 12.4 | R 37.0 |
| 1996 | 0.1 | 17.4 | 1.8 | (s) | (s) | 1.8 | 1.7 | 0.0 | (s) | 5.5 | 26.5 | R 12.4 | 39.0 |
| 1997 | 0.1 | 16.1 | 1.5 | (s) | (s) | 1.5 | 1.2 | 0.0 | (s) | 5.3 | 24.3 | R 11.9 | R 36.2 |
| 1998 | (s) | 13.6 | 1.4 | (s) | (s) | 1.4 | 1.0 | 0.0 | (s) | 5.4 | 21.5 | 12.3 | R 33.8 |
| 1999 | (s) | 14.4 | 1.2 | (s) | (s) | 1.3 | 1.1 | 0.0 | (s) | 5.6 | 22.4 | R 12.7 | 35.2 |
| 2000 | (s) | 15.9 | 1.3 | (s) | (s) | 1.3 | 1.2 | 0.0 | (s) | 5.5 | 23.9 | R 12.5 | R 36.4 |
| 2001 | 0.1 | 13.3 | 1.2 | (s) | (s) | 1.2 | 0.7 | 0.0 | (s) | 5.8 | 21.1 | R 12.8 | R 33.9 |
| 2002 | (s) | 14.6 | 2.0 | (s) | (s) | 2.1 | 0.7 | 0.0 | (s) | 6.1 | 23.5 | R 13.5 | R 37.0 |
| 2003 | (s) | 15.6 | 2.0 | (s) | (s) | 2.1 | 0.8 | 0.0 | (s) | 6.0 | 24.4 | R 13.1 | R 37.5 |
| 2004 | 0.1 | 14.7 | 2.3 | (s) | (s) | 2.3 | 0.8 | 0.0 | (s) | 6.3 | 24.1 | 13.8 | R 37.8 |
| 2005 | 0.1 | 14.6 | 2.0 | (s) | (s) | 2.0 | R (s) | 0.0 | (s) | 6.6 | R 23.3 | R 14.4 | R 37.7 |
| 2006 | 0.0 | 11.7 | 1.1 | 0.0 | (s) | 1.1 | R (s) | 0.0 | (s) | 6.2 | R 19.0 | 13.4 | R 32.4 |
| 2007 | 0.1 | 13.7 | 1.2 | 0.0 | (s) | 1.2 | R (s) | 0.0 | (s) | 6.7 | R 21.7 | R 14.4 | R 36.2 |
| 2008 | (s) | 13.6 | 0.9 | 0.0 | (s) | 0.9 | R (s) | 0.0 | (s) | 6.5 | R 21.0 | 13.9 | R 34.9 |
| 2009 | (s) | 13.9 | 1.1 | 0.0 | (s) | 1.1 | (s) | 0.0 | (s) | 6.3 | 21.4 | 13.3 | 34.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 55 | 4 | 1,060 | 34 | (s) | 85 | 1,443 | 2,621 | NA | – – | – – | 955 | – – | – – | – – |
| 1965 | 45 | 6 | 1,001 | 22 | (s) | 78 | 4,044 | 5,145 | NA | – – | – – | 1,359 | – – | – – | – – |
| 1970 | 18 | 12 | 1,308 | 10 | (s) | 65 | 5,081 | 6,464 | NA | – – | – – | 1,935 | – – | – – | – – |
| 1975 | 11 | 12 | 936 | 4 | 1 | 78 | 1,051 | 2,069 | NA | – – | – – | 2,355 | – – | – – | – – |
| 1980 | 86 | 14 | 647 | 1 | (s) | 40 | 37 | 725 | NA | – – | – – | 2,457 | – – | – – | – – |
| 1985 | 109 | 12 | 836 | 55 | (s) | 27 | 286 | 1,205 | NA | – – | – – | 4,317 | – – | – – | – – |
| 1990 | 56 | 13 | 596 | 8 | (s) | 71 | 218 | 893 | 0 | – – | – – | 5,250 | – – | – – | – – |
| 1995 | 5 | 17 | 830 | 129 | 1 | 101 | 130 | 1,190 | 0 | – – | – – | 8,275 | – – | – – | – – |
| 1996 | 20 | 16 | 961 | 101 | 1 | 20 | 96 | 1,179 | 0 | – – | – – | 8,108 | – – | – – | – – |
| 1997 | 36 | 18 | 506 | 202 | 1 | 49 | 34 | 792 | 0 | – – | – – | 8,132 | – – | – – | – – |
| 1998 | 5 | 17 | 318 | 293 | 1 | 170 | 4 | 787 | 0 | – – | – – | 8,261 | – – | – – | – – |
| 1999 | 5 | 18 | 335 | 227 | 1 | 22 | 2 | 587 | 0 | – – | – – | 8,354 | – – | – – | – – |
| 2000 | 6 | 18 | 561 | 243 | (s) | 54 | 1 | 860 | 0 | – – | – – | 8,540 | – – | – – | – – |
| 2001 | 27 | 17 | 541 | 207 | 1 | 253 | 1 | 1,004 | 0 | – – | – – | 8,716 | – – | – – | – – |
| 2002 | 4 | 18 | 296 | (s) | 1 | 511 | 0 | 808 | 0 | – – | – – | 8,878 | – – | – – | – – |
| 2003 | 6 | 17 | 371 | 1 | 1 | 243 | 0 | 616 | 0 | – – | – – | 8,639 | – – | – – | – – |
| 2004 | 27 | 17 | 457 | 1 | 1 | 178 | 0 | 637 | 0 | – – | – – | 8,994 | – – | – – | – – |
| 2005 | 35 | 18 | 404 | 3 | 1 | 246 | 0 | 654 | 0 | – – | – – | 9,296 | – – | – – | – – |
| 2006 | 0 | 17 | 348 | 3 | 1 | 66 | 0 | 418 | 0 | – – | – – | 9,030 | – – | – – | – – |
| 2007 | 18 | 19 | 304 | 1 | 1 | 24 | 0 | 330 | 0 | – – | – – | 9,519 | – – | – – | – – |
| 2008 | 13 | 18 | R 214 | (s) | 1 | 61 | 0 | R 276 | 0 | – – | – – | 9,290 | – – | – – | – – |
| 2009 | 11 | 19 | 306 | (s) | 1 | 31 | 0 | 338 | 0 | – – | – – | 9,714 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 1.4 | 3.7 | 6.2 | 0.2 | (s) | 0.4 | 9.1 | 15.9 | NA | (s) | NA | 3.3 | 24.2 | 8.1 | 32.3 |
| 1965 | 1.1 | 6.0 | 5.8 | 0.1 | (s) | 0.4 | 25.4 | 31.8 | NA | (s) | NA | 4.6 | 43.5 | 11.1 | 54.6 |
| 1970 | 0.4 | 11.8 | 7.6 | 0.1 | (s) | 0.3 | 31.9 | 40.0 | NA | (s) | NA | 6.6 | 58.8 | 16.0 | 74.8 |
| 1975 | 0.2 | 12.4 | 5.5 | (s) | (s) | 0.4 | 6.6 | 12.5 | NA | (s) | NA | 8.0 | 33.2 | 19.3 | 52.5 |
| 1980 | 2.1 | 13.8 | 3.8 | (s) | (s) | 0.2 | 0.2 | 4.2 | NA | 0.1 | NA | 8.4 | 28.6 | R 20.1 | R 48.7 |
| 1985 | 2.7 | 12.1 | 4.9 | 0.3 | (s) | 0.1 | 1.8 | 7.1 | NA | 0.1 | NA | 14.7 | 36.8 | R 33.7 | R 70.5 |
| 1990 | 1.4 | 13.6 | 3.5 | (s) | (s) | 0.4 | 1.4 | 5.3 | 0.0 | 0.1 | 0.0 | 17.9 | 38.3 | R 41.1 | R 79.4 |
| 1995 | 0.1 | 17.1 | 4.8 | 0.7 | (s) | 0.5 | 0.8 | 6.9 | 0.0 | 0.2 | 0.0 | 28.2 | 52.6 | R 63.7 | R 116.4 |
| 1996 | 0.5 | 16.5 | 5.6 | 0.6 | (s) | 0.1 | 0.6 | 6.9 | 0.0 | 0.2 | 0.0 | 27.7 | 51.8 | R 62.5 | R 114.3 |
| 1997 | 0.9 | 18.4 | 2.9 | 1.1 | (s) | 0.3 | 0.2 | 4.6 | 0.0 | 0.2 | 0.0 | 27.7 | 51.8 | R 62.5 | R 114.2 |
| 1998 | 0.1 | 17.3 | 1.9 | 1.7 | (s) | 0.9 | (s) | 4.4 | 0.0 | 0.2 | 0.0 | 28.2 | 50.2 | R 63.5 | R 113.8 |
| 1999 | 0.1 | 18.2 | 2.0 | 1.3 | (s) | 0.1 | (s) | 3.4 | 0.0 | 0.2 | 0.0 | 28.5 | 50.4 | R 64.8 | R 115.2 |
| 2000 | 0.2 | 18.2 | 3.3 | 1.4 | (s) | 0.3 | (s) | 4.9 | 0.0 | 0.2 | 0.0 | 29.1 | 52.6 | R 65.9 | R 118.5 |
| 2001 | 0.7 | 17.0 | 3.2 | 1.2 | (s) | 1.3 | (s) | 5.7 | 0.0 | 0.1 | 0.0 | 29.7 | 53.2 | R 65.9 | R 119.0 |
| 2002 | 0.1 | 18.8 | 1.7 | (s) | (s) | 2.7 | 0.0 | 4.4 | 0.0 | 0.1 | 0.0 | 30.3 | 53.7 | R 67.1 | R 120.8 |
| 2003 | 0.2 | 17.6 | 2.2 | (s) | (s) | 1.3 | 0.0 | 3.4 | 0.0 | 0.1 | 0.0 | 29.5 | 50.8 | R 64.7 | R 115.4 |
| 2004 | 0.7 | 17.9 | 2.7 | (s) | (s) | 0.9 | 0.0 | 3.6 | 0.0 | 0.1 | 0.0 | 30.7 | 52.9 | R 67.5 | R 120.4 |
| 2005 | 0.9 | 18.6 | 2.4 | (s) | (s) | 1.3 | 0.0 | 3.7 | 0.0 | R (s) | 0.0 | 31.7 | R 54.8 | R 69.0 | R 123.8 |
| 2006 | 0.0 | 17.5 | 2.0 | (s) | (s) | 0.3 | 0.0 | 2.4 | 0.0 | R (s) | 0.0 | 30.8 | R 50.7 | R 66.2 | R 117.0 |
| 2007 | 0.5 | 19.8 | 1.8 | (s) | (s) | 0.1 | 0.0 | 1.9 | 0.0 | R (s) | 0.0 | 32.5 | R 54.7 | R 69.7 | R 124.3 |
| 2008 | 0.4 | 18.9 | 1.2 | (s) | (s) | 0.3 | 0.0 | 1.6 | 0.0 | R (s) | 0.0 | 31.7 | R 52.6 | R 67.8 | R 120.4 |
| 2009 | 0.3 | 19.4 | 1.8 | (s) | (s) | 0.2 | 0.0 | 2.0 | 0.0 | (s) | 0.0 | 33.1 | 54.8 | 69.7 | 124.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 463 | (s) | 211 | 1 | 0 | 949 | 80 | 1,241 | 0 | – – | – – | – – | 1,237 | – – | – – | – – |
| 1965 | 129 | (s) | 316 | 1 | 0 | 2,689 | 70 | 3,076 | 0 | – – | – – | – – | 1,836 | – – | – – | – – |
| 1970 | 414 | (s) | 377 | 2 | 0 | 3,296 | 35 | 3,710 | 0 | – – | – – | – – | 2,627 | – – | – – | – – |
| 1975 | 292 | (s) | 150 | 2 | 0 | 686 | 132 | 970 | 0 | – – | – – | – – | 2,532 | – – | – – | – – |
| 1980 | 25 | (s) | 192 | 3 | 0 | 54 | 285 | 534 | 0 | – – | – – | – – | 3,356 | – – | – – | – – |
| 1985 | 0 | 0 | 40 | 2 | 59 | 1 | 37 | 139 | 0 | – – | – – | – – | 2,534 | – – | – – | – – |
| 1990 | 0 | 0 | 2 | 2 | 90 | 1 | 38 | 133 | 0 | – – | – – | – – | 2,976 | – – | – – | – – |
| 1995 | 0 | 0 | 16 | 3 | 44 | (s) | 33 | 95 | 0 | – – | – – | – – | 262 | – – | – – | – – |
| 1996 | 0 | 0 | 18 | 3 | 39 | (s) | 29 | 89 | 0 | – – | – – | – – | 252 | – – | – – | – – |
| 1997 | 0 | 0 | 21 | 4 | 56 | 0 | 42 | 121 | 0 | – – | – – | – – | 262 | – – | – – | – – |
| 1998 | 0 | 0 | 17 | 1 | 27 | 0 | 36 | 81 | 0 | – – | – – | – – | 262 | – – | – – | – – |
| 1999 | 0 | 0 | 140 | 1 | 18 | 0 | 34 | 194 | 0 | – – | – – | – – | 249 | – – | – – | – – |
| 2000 | 0 | 0 | 34 | 5 | 23 | (s) | 36 | 98 | 0 | – – | – – | – – | 273 | – – | – – | – – |
| 2001 | 0 | 0 | 36 | 3 | 126 | 0 | 33 | 197 | 0 | – – | – – | – – | 281 | – – | – – | – – |
| 2002 | 0 | 0 | 69 | 1 | 96 | 0 | 34 | 201 | 0 | – – | – – | – – | 282 | – – | – – | – – |
| 2003 | 0 | 0 | 94 | 2 | 161 | 0 | 27 | 284 | 0 | – – | – – | – – | 267 | – – | – – | – – |
| 2004 | 0 | 0 | 47 | 2 | 133 | 0 | 25 | 207 | 0 | – – | – – | – – | 282 | – – | – – | – – |
| 2005 | 0 | 0 | 39 | 1 | 112 | 0 | 24 | 177 | 0 | – – | – – | – – | 256 | – – | – – | – – |
| 2006 | 0 | 0 | 42 | 1 | 112 | 0 | 24 | 179 | 0 | – – | – – | – – | 240 | – – | – – | – – |
| 2007 | 0 | 0 | 49 | 2 | 55 | 0 | 32 | 138 | 0 | – – | – – | – – | 297 | – – | – – | – – |
| 2008 | 0 | 0 | 32 | 1 | 66 | 0 | 29 | 128 | 0 | – – | – – | – – | 305 | – – | – – | – – |
| 2009 | 0 | 0 | 27 | 1 | 62 | 0 | 25 | 116 | 0 | – – | – – | – – | 305 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 12.0 | 0.2 | 1.2 | (s) | 0.0 | 6.0 | 0.5 | 7.7 | 0.0 | 0.0 | NA | NA | 4.2 | 24.0 | 10.4 | 34.5 |
| 1965 | 3.3 | 0.3 | 1.8 | (s) | 0.0 | 16.9 | 0.4 | 19.2 | 0.0 | 0.0 | NA | NA | 6.3 | 29.0 | 15.0 | 44.0 |
| 1970 | 10.0 | 0.4 | 2.2 | (s) | 0.0 | 20.7 | 0.2 | 23.1 | 0.0 | 0.0 | NA | NA | 9.0 | 42.6 | 21.7 | 64.3 |
| 1975 | 7.0 | 0.4 | 0.9 | (s) | 0.0 | 4.3 | 0.8 | 6.0 | 0.0 | 0.0 | NA | NA | 8.6 | 22.0 | R 20.7 | R 42.7 |
| 1980 | 0.6 | 0.4 | 1.1 | (s) | 0.0 | 0.3 | 1.6 | 3.1 | 0.0 | 0.0 | NA | NA | 11.5 | 15.5 | R 27.5 | 43.1 |
| 1985 | 0.0 | 0.0 | 0.2 | (s) | 0.3 | (s) | 0.2 | 0.8 | 0.0 | 0.0 | 0.0 | NA | 8.6 | 9.4 | R 19.8 | R 29.2 |
| 1990 | 0.0 | 0.0 | (s) | (s) | 0.5 | (s) | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 10.9 | R 23.3 | R 34.2 |
| 1995 | 0.0 | 0.0 | 0.1 | (s) | 0.2 | (s) | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.4 | 2.0 | 3.5 |
| 1996 | 0.0 | 0.0 | 0.1 | (s) | 0.2 | (s) | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.4 | R 1.9 | 3.3 |
| 1997 | 0.0 | 0.0 | 0.1 | (s) | 0.3 | 0.0 | 0.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.6 | 2.0 | 3.6 |
| 1998 | 0.0 | 0.0 | 0.1 | (s) | 0.1 | 0.0 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.4 | 2.0 | 3.4 |
| 1999 | 0.0 | 0.0 | 0.8 | (s) | 0.1 | 0.0 | 0.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.0 | 1.9 | 3.9 |
| 2000 | 0.0 | 0.0 | 0.2 | (s) | 0.1 | (s) | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.5 | 2.1 | 3.6 |
| 2001 | 0.0 | 0.0 | 0.2 | (s) | 0.7 | 0.0 | 0.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 2.1 | 4.2 |
| 2002 | 0.0 | 0.0 | 0.4 | (s) | 0.5 | 0.0 | 0.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 2.1 | 4.2 |
| 2003 | 0.0 | 0.0 | 0.5 | (s) | 0.8 | 0.0 | 0.2 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.5 | 2.0 | 4.5 |
| 2004 | 0.0 | 0.0 | 0.3 | (s) | 0.7 | 0.0 | 0.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 2.1 | 4.2 |
| 2005 | 0.0 | 0.0 | 0.2 | (s) | 0.6 | 0.0 | 0.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.8 | 1.9 | 3.8 |
| 2006 | 0.0 | 0.0 | 0.2 | (s) | 0.6 | 0.0 | 0.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.8 | 1.8 | 3.6 |
| 2007 | 0.0 | 0.0 | 0.3 | (s) | 0.3 | 0.0 | 0.2 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.8 | 2.2 | 4.0 |
| 2008 | 0.0 | 0.0 | 0.2 | (s) | 0.3 | 0.0 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.8 | 2.2 | 4.0 |
| 2009 | 0.0 | 0.0 | 0.2 | (s) | 0.3 | 0.0 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.7 | 2.2 | 3.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 8 | (s) | 0 | 305 | 0 | (s) | 112 | 4,872 | 28 | 5,317 | 32 | – – | – – | – – |
| 1965 | (s) | 0 | 0 | 874 | (s) | (s) | 59 | 5,391 | 6 | 6,331 | 0 | – – | – – | – – |
| 1970 | 1 | (s) | 0 | 492 | (s) | (s) | 53 | 5,623 | 13 | 6,182 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 0 | 820 | 0 | 1 | 46 | 5,670 | 350 | 6,887 | 0 | – – | – – | – – |
| 1980 | 0 | 0 | 0 | 587 | 329 | (s) | 54 | 3,841 | 59 | 4,870 | 106 | – – | – – | – – |
| 1985 | 0 | (s) | 0 | 898 | 7 | 1 | 49 | 3,716 | 202 | 4,873 | 130 | – – | – – | – – |
| 1990 | 0 | (s) | 0 | 804 | 5 | 1 | 55 | 3,882 | 3 | 4,750 | 142 | – – | – – | – – |
| 1995 | 0 | (s) | 4 | 634 | 0 | 1 | 53 | 3,997 | 0 | 4,688 | 170 | – – | – – | – – |
| 1996 | 0 | (s) | (s) | 674 | 0 | 1 | 51 | 3,803 | 0 | 4,529 | 163 | – – | – – | – – |
| 1997 | 0 | (s) | 3 | 619 | 0 | 1 | 54 | 3,962 | 0 | 4,639 | 158 | – – | – – | – – |
| 1998 | 0 | (s) | 3 | 598 | 0 | (s) | 56 | 3,833 | 0 | 4,490 | 162 | – – | – – | – – |
| 1999 | 0 | (s) | 3 | 588 | 0 | (s) | 57 | 3,938 | 0 | 4,586 | 172 | – – | – – | – – |
| 2000 | 0 | (s) | 2 | 728 | 0 | 1 | 56 | 3,993 | 0 | 4,779 | 179 | – – | – – | – – |
| 2001 | 0 | (s) | 2 | 832 | 0 | (s) | 51 | 3,511 | (s) | 4,396 | 185 | – – | – – | – – |
| 2002 | 0 | (s) | 2 | 794 | 0 | (s) | 51 | 3,320 | 0 | 4,167 | 179 | – – | – – | – – |
| 2003 | 0 | 1 | 2 | 852 | 0 | (s) | 47 | 3,093 | 0 | 3,994 | 285 | – – | – – | – – |
| 2004 | 0 | 1 | (s) | 938 | 0 | (s) | 48 | 3,280 | 0 | 4,266 | 304 | – – | – – | – – |
| 2005 | 0 | 1 | 4 | 541 | 0 | 1 | 47 | 3,007 | 0 | 3,600 | 326 | – – | – – | – – |
| 2006 | 0 | 1 | 6 | 242 | 0 | (s) | 46 | 3,010 | 0 | 3,306 | 305 | – – | – – | – – |
| 2007 | 0 | (s) | 6 | 274 | 0 | (s) | 48 | 2,978 | 0 | 3,307 | 325 | – – | – – | – – |
| 2008 | 0 | (s) | 4 | R 401 | 0 | 1 | 44 | 2,448 | 0 | R 2,899 | 359 | – – | – – | – – |
| 2009 | 0 | (s) | 3 | 305 | 0 | 1 | 40 | 2,598 | 0 | 2,946 | 321 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | (s) | 0.0 | 1.8 | 0.0 | (s) | 0.7 | 25.6 | 0.2 | 28.2 | 0.1 | 28.5 | 0.3 | 28.8 |
| 1965 | (s) | 0.0 | 0.0 | 5.1 | (s) | (s) | 0.4 | 28.3 | (s) | 33.8 | 0.0 | 33.8 | 0.0 | 33.8 |
| 1970 | (s) | (s) | 0.0 | 2.9 | (s) | (s) | 0.3 | 29.5 | 0.1 | 32.8 | 0.0 | 32.8 | 0.0 | 32.8 |
| 1975 | (s) | (s) | 0.0 | 4.8 | 0.0 | (s) | 0.3 | 29.8 | 2.2 | 37.0 | 0.0 | 37.1 | 0.0 | 37.1 |
| 1980 | 0.0 | 0.0 | 0.0 | 3.4 | 1.9 | (s) | 0.3 | 20.2 | 0.4 | 26.2 | 0.4 | 26.5 | 0.9 | 27.4 |
| 1985 | 0.0 | 0.4 | 0.0 | 5.2 | (s) | (s) | 0.3 | 19.5 | 1.3 | 26.4 | 0.4 | 27.2 | 1.0 | 28.2 |
| 1990 | 0.0 | 0.3 | 0.0 | 4.7 | (s) | (s) | 0.3 | 20.4 | (s) | 25.5 | 0.5 | 26.2 | 1.1 | 27.3 |
| 1995 | 0.0 | 0.3 | (s) | 3.7 | 0.0 | (s) | 0.3 | 20.8 | 0.0 | 24.9 | 0.6 | 25.7 | 1.3 | 27.1 |
| 1996 | 0.0 | 0.3 | (s) | 3.9 | 0.0 | (s) | 0.3 | 19.8 | 0.0 | 24.1 | 0.6 | 24.9 | 1.3 | 26.2 |
| 1997 | 0.0 | 0.3 | (s) | 3.6 | 0.0 | (s) | 0.3 | 20.7 | 0.0 | 24.6 | 0.5 | 25.4 | 1.2 | 26.7 |
| 1998 | 0.0 | 0.3 | (s) | 3.5 | 0.0 | (s) | 0.3 | 20.0 | 0.0 | 23.8 | 0.6 | 24.7 | R 1.2 | 25.9 |
| 1999 | 0.0 | 0.3 | (s) | 3.4 | 0.0 | (s) | 0.3 | 20.5 | 0.0 | 24.3 | 0.6 | 25.2 | 1.3 | 26.5 |
| 2000 | 0.0 | 0.3 | (s) | 4.2 | 0.0 | (s) | 0.3 | 20.8 | 0.0 | 25.4 | 0.6 | 26.3 | 1.4 | 27.7 |
| 2001 | 0.0 | 0.3 | (s) | 4.8 | 0.0 | (s) | 0.3 | 18.3 | (s) | 23.5 | 0.6 | 24.4 | 1.4 | 25.8 |
| 2002 | 0.0 | 0.3 | (s) | 4.6 | 0.0 | (s) | 0.3 | 17.3 | 0.0 | 22.2 | 0.6 | 23.2 | 1.4 | 24.5 |
| 2003 | 0.0 | 0.6 | (s) | 5.0 | 0.0 | (s) | 0.3 | 16.1 | 0.0 | 21.4 | 1.0 | 22.9 | 2.1 | R 25.0 |
| 2004 | 0.0 | 0.6 | (s) | 5.5 | 0.0 | (s) | 0.3 | 17.1 | 0.0 | 22.9 | 1.0 | 24.5 | 2.3 | 26.8 |
| 2005 | 0.0 | 0.6 | (s) | 3.1 | 0.0 | (s) | 0.3 | 15.7 | 0.0 | 19.1 | 1.1 | 20.8 | 2.4 | 23.3 |
| 2006 | 0.0 | 0.5 | (s) | 1.4 | 0.0 | (s) | 0.3 | 15.7 | 0.0 | 17.4 | 1.0 | 19.0 | 2.2 | R 21.2 |
| 2007 | 0.0 | 0.3 | (s) | 1.6 | 0.0 | (s) | 0.3 | 15.5 | 0.0 | 17.5 | 1.1 | 18.9 | 2.4 | 21.3 |
| 2008 | 0.0 | 0.3 | (s) | 2.3 | 0.0 | (s) | 0.3 | 12.8 | 0.0 | 15.4 | 1.2 | 16.9 | 2.6 | 19.5 |
| 2009 | 0.0 | 0.2 | (s) | 1.8 | 0.0 | (s) | 0.2 | 13.6 | 0.0 | 15.6 | 1.1 | 16.9 | 2.3 | 19.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, District of Columbia

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 446 | 0 | 9 | 4 | 0 | 12 | 0 | 3 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 293 | 0 | 10 | 4 | 0 | 14 | 0 | 3 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 673 | 0 | 2,755 | 1,135 | 0 | 3,889 | 0 | 1 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 111 | 0 | 2,088 | 90 | 0 | 2,178 | 0 | 1 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | 0 | 1,462 | 109 | 0 | 1,572 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 0 | 0 | 250 | 66 | 0 | 316 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 0 | 0 | 798 | 72 | 0 | 871 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 0 | 0 | 402 | 75 | 0 | 477 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 0 | 0 | 241 | 49 | 0 | 290 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 0 | 0 | 126 | 71 | 0 | 197 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 0 | 0 | 450 | 116 | 0 | 566 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 0 | 0 | 440 | 107 | 0 | 547 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 0 | 0 | 209 | 169 | 0 | 379 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 0 | 0 | 284 | 52 | 0 | 336 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 0 | 0 | 0 | 620 | 0 | 620 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 0 | 0 | 0 | 190 | 0 | 190 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 0 | 0 | 0 | 130 | 0 | 130 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 0 | 0 | 0 | 540 | 0 | 540 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 0 | 0 | 0 | 231 | 0 | 231 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 0 | 0 | 0 | 197 | 0 | 197 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 0 | 0 | 0 | 163 | 0 | 163 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 0 | 0 | 0 | 85 | 0 | 85 | 0 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 12.2 | 0.0 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 12.4 |
| 1965 | 7.9 | 0.0 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 8.0 |
| 1970 | 17.4 | 0.0 | 17.3 | 6.6 | 0.0 | 23.9 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 41.4 |
| 1975 | 2.8 | 0.0 | 13.1 | 0.5 | 0.0 | 13.6 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 16.5 |
| 1980 | 0.0 | 0.0 | 9.2 | 0.6 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 9.8 |
| 1985 | 0.0 | 0.0 | 1.6 | 0.4 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| 1990 | 0.0 | 0.0 | 5.0 | 0.4 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 |
| 1995 | 0.0 | 0.0 | 2.5 | 0.4 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| 1996 | 0.0 | 0.0 | 1.5 | 0.3 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |
| 1997 | 0.0 | 0.0 | 0.8 | 0.4 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 1998 | 0.0 | 0.0 | 2.8 | 0.7 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| 1999 | 0.0 | 0.0 | 2.8 | 0.6 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 |
| 2000 | 0.0 | 0.0 | 1.3 | 1.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 2001 | 0.0 | 0.0 | 1.8 | 0.3 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| 2003 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 2004 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 2005 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 |
| 2006 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| 2007 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 2008 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 2009 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Florida

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 1,104 | 138 | 8,621 | 9,482 | 4,936 | 43,148 | 30,199 | 13,050 | 109,435 | 0 | 278 | NA |
| 1965 | 2,323 | 185 | 12,279 | 17,525 | 5,663 | 53,136 | 43,344 | 14,590 | 146,537 | 0 | 298 | NA |
| 1970 | 5,131 | 337 | 15,639 | 23,840 | 7,828 | 76,254 | 53,642 | 13,340 | 190,543 | 0 | 292 | NA |
| 1971 | 5,124 | 337 | 16,457 | 26,289 | 7,535 | 81,178 | 62,546 | 13,649 | 207,655 | 0 | 253 | NA |
| 1972 | 5,464 | 299 | 19,401 | 28,689 | 7,871 | 90,105 | 76,305 | 12,729 | 235,100 | 66 | 238 | NA |
| 1973 | 6,641 | 311 | 22,815 | 27,897 | 8,390 | 99,440 | 81,667 | 13,209 | 253,419 | 4,681 | 234 | NA |
| 1974 | 6,399 | 290 | 22,482 | 23,657 | 7,400 | 98,142 | 74,855 | 12,342 | 238,878 | 7,877 | 251 | NA |
| 1975 | 5,779 | 280 | 23,387 | 24,224 | 7,478 | 100,592 | 79,315 | 9,300 | 244,296 | 8,370 | 234 | NA |
| 1976 | 6,089 | 289 | 24,507 | 25,102 | 8,109 | 103,961 | 89,695 | 9,902 | 261,277 | 8,648 | 259 | NA |
| 1977 | 6,915 | 302 | 29,091 | 27,301 | 8,881 | 107,781 | 83,086 | 10,718 | 266,857 | 17,557 | 243 | NA |
| 1978 | 7,444 | 318 | 30,489 | 28,011 | 8,182 | 113,292 | 88,698 | 11,665 | 280,337 | 15,810 | 228 | NA |
| 1979 | 8,528 | 344 | 29,113 | 31,217 | 8,678 | 111,222 | 96,290 | 12,151 | 288,670 | 15,391 | 241 | NA |
| 1980 | 9,543 | 317 | 29,431 | 35,911 | 10,718 | 109,279 | 96,756 | 11,223 | 293,318 | 16,737 | 215 | NA |
| 1981 | 9,969 | 338 | 29,911 | 35,598 | 9,924 | 111,902 | 90,409 | 12,217 | 289,962 | 14,448 | 180 | 167 |
| 1982 | 9,990 | 325 | 22,927 | 33,730 | 8,886 | 114,113 | 64,481 | 11,253 | 255,391 | 19,319 | 261 | 245 |
| 1983 | 13,080 | 306 | 27,963 | 30,140 | 8,936 | 118,342 | 58,722 | 11,659 | 255,762 | 14,805 | 220 | 830 |
| 1984 | 15,478 | 303 | 29,563 | 24,240 | 8,715 | 121,475 | 42,438 | 13,930 | 240,360 | 24,078 | 213 | 1,140 |
| 1985 | 19,305 | 290 | 31,906 | 23,101 | 9,932 | 125,346 | 37,777 | 14,420 | 242,481 | 23,461 | 244 | 1,093 |
| 1986 | 18,699 | 289 | 32,892 | 25,022 | 10,568 | 131,092 | 57,612 | 15,419 | 272,605 | 22,036 | 212 | 725 |
| 1987 | 23,644 | 300 | 34,888 | 26,502 | 8,794 | 137,775 | 45,688 | 14,305 | 267,952 | 18,773 | 217 | 340 |
| 1988 | 24,595 | 293 | 36,088 | 31,960 | 8,020 | 141,728 | 53,941 | 14,669 | 286,407 | 26,198 | 209 | 185 |
| 1989 | 25,639 | 324 | 35,628 | 33,566 | 8,017 | 142,220 | 53,387 | 12,980 | 285,797 | 20,916 | 234 | 224 |
| 1990 | 25,512 | 328 | 35,310 | 31,958 | 7,744 | 142,351 | 54,283 | 13,060 | 284,708 | 21,780 | 175 | 183 |
| 1991 | 26,230 | 344 | 32,823 | 25,048 | 7,959 | 141,440 | 59,651 | 12,618 | 279,538 | 20,508 | 263 | 228 |
| 1992 | 26,685 | 354 | 36,104 | 24,436 | 7,992 | 143,176 | 59,648 | 12,385 | 283,739 | 25,116 | 236 | 229 |
| 1993 | 26,800 | 350 | 24,134 | 26,644 | 8,070 | 150,283 | 69,882 | 13,747 | 292,761 | 25,887 | 211 | 131 |
| 1994 | 27,348 | 391 | 34,227 | 28,640 | 7,430 | 152,338 | 66,838 | 12,704 | 302,177 | 26,682 | 274 | 106 |
| 1995 | 28,223 | 561 | 39,733 | 28,045 | 7,796 | 157,657 | 47,245 | 12,029 | 292,505 | 28,741 | 231 | 57 |
| 1996 | 30,551 | 534 | 38,333 | 29,345 | 8,081 | 159,028 | 47,414 | 18,485 | 300,686 | 25,470 | 216 | 20 |
| 1997 | 30,842 | 522 | 41,584 | 30,520 | 5,839 | 161,878 | 49,697 | 20,003 | 309,521 | 22,968 | 241 | 34 |
| 1998 | 30,841 | 504 | 43,644 | 28,508 | 6,269 | 169,201 | 70,590 | 21,705 | 339,916 | 31,115 | 199 | 35 |
| 1999 | 29,368 | 559 | 46,011 | 28,977 | 7,170 | 173,543 | 63,926 | 21,735 | 341,362 | 31,526 | 140 | 24 |
| 2000 | 31,100 | 542 | 47,692 | 35,134 | 7,386 | 178,336 | 65,253 | 20,398 | 354,199 | 32,291 | 87 | 44 |
| 2001 | 29,927 | 543 | 49,243 | 30,658 | 7,170 | 181,063 | 69,088 | 15,447 | 352,669 | 31,583 | 148 | 26 |
| 2002 | 29,345 | 689 | 50,084 | 27,035 | 6,047 | 188,082 | 55,210 | 18,928 | 345,386 | 33,704 | 184 | 11 |
| 2003 | 29,450 | 690 | 53,719 | 25,653 | 6,259 | 191,578 | 53,424 | 20,798 | 351,432 | 30,979 | 263 | 0 |
| 2004 | 28,689 | 734 | 57,724 | 29,246 | 7,498 | 201,705 | 62,471 | 24,026 | 382,670 | 31,216 | 265 | 1 |
| 2005 | 27,672 | 778 | 60,982 | 27,891 | 6,979 | 207,482 | 61,033 | 25,777 | 390,144 | 28,759 | 266 | 1,269 |
| 2006 | 28,883 | 892 | 62,235 | 27,631 | 7,152 | 210,006 | 40,915 | R 23,069 | R 371,010 | 31,426 | 203 | 1,806 |
| 2007 | 29,925 | 917 | 55,874 | 31,161 | 6,254 | 208,744 | 38,786 | R 18,255 | R 359,073 | 29,289 | 154 | 2,621 |
| 2008 | 29,150 | 943 | R 51,163 | 38,621 | 5,633 | 199,749 | 19,958 | R 15,155 | R 330,278 | 32,133 | 206 | 13,567 |
| 2009 | 24,400 | 1,055 | 46,382 | 31,477 | 5,533 | 200,581 | 13,801 | 12,985 | 310,759 | 29,118 | 208 | 17,043 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Florida
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 27.2 | 142.9 | 50.2 | 51.5 | 19.8 | 226.7 | 189.9 | 74.8 | 612.8 | 782.9 | *142.9* | *226.7* |
| 1965 | 55.2 | 191.7 | 71.5 | 97.2 | 22.7 | 279.1 | 272.5 | 83.6 | 826.6 | 1,073.5 | *191.7* | *279.1* |
| 1970 | 116.7 | 350.6 | 91.1 | 133.2 | 29.6 | 400.6 | 337.2 | 77.7 | 1,069.4 | 1,536.7 | *350.6* | *400.6* |
| 1971 | 117.2 | 350.5 | 95.9 | 147.0 | 28.4 | 426.4 | 393.2 | 80.7 | 1,171.6 | 1,639.3 | *350.5* | *426.4* |
| 1972 | 123.6 | 311.2 | 113.0 | 160.7 | 29.6 | 473.3 | 479.7 | 76.0 | 1,332.4 | 1,767.2 | *311.2* | *473.3* |
| 1973 | 152.6 | 324.9 | 132.9 | 156.4 | 31.4 | 522.4 | 513.4 | 79.6 | 1,436.1 | 1,913.6 | *324.9* | *522.4* |
| 1974 | 146.6 | 302.0 | 131.0 | 132.3 | 27.6 | 515.5 | 470.6 | 74.6 | 1,351.6 | 1,800.2 | *302.0* | *515.5* |
| 1975 | 133.5 | 292.1 | 136.2 | 135.7 | 27.8 | 528.4 | 498.7 | 55.3 | 1,382.0 | 1,807.6 | *292.1* | *528.4* |
| 1976 | 141.8 | 300.9 | 142.8 | 140.7 | 30.1 | 546.1 | 563.9 | 58.7 | 1,482.3 | 1,925.0 | *300.9* | *546.1* |
| 1977 | 159.9 | 315.9 | 169.5 | 153.1 | 32.7 | 566.2 | 522.4 | 64.4 | 1,508.2 | 1,984.1 | *315.9* | *566.2* |
| 1978 | 175.5 | 333.3 | 177.6 | 157.2 | 30.0 | 595.1 | 557.6 | 70.4 | 1,588.0 | 2,096.8 | *333.3* | *595.1* |
| 1979 | 202.3 | 357.0 | 169.6 | 175.1 | 31.9 | 584.2 | 605.4 | 73.1 | 1,639.4 | 2,198.6 | *357.0* | *584.2* |
| 1980 | 225.5 | 329.6 | 171.4 | 201.6 | 39.4 | 574.0 | 608.3 | 67.1 | 1,661.9 | 2,216.9 | *329.6* | *574.0* |
| 1981 | 236.5 | 357.5 | 174.2 | 200.0 | 36.2 | 587.8 | 568.4 | 73.0 | 1,639.6 | 2,233.6 | *357.5* | *587.8* |
| 1982 | 240.2 | 339.1 | 133.6 | 189.3 | 32.1 | 599.4 | 405.4 | 67.8 | 1,427.6 | 2,006.9 | *339.1* | *599.4* |
| 1983 | 318.9 | 321.0 | 162.9 | 169.2 | 32.3 | 621.7 | 369.2 | 71.1 | 1,426.3 | 2,066.3 | *321.0* | *621.7* |
| 1984 | 378.7 | 318.2 | 172.2 | 135.6 | 31.4 | 638.1 | 266.8 | 84.8 | 1,328.9 | 2,025.7 | *318.2* | *638.1* |
| 1985 | 472.4 | 305.1 | 185.9 | 129.2 | 35.8 | 658.4 | 237.5 | 87.4 | 1,334.1 | 2,111.5 | *305.1* | *658.4* |
| 1986 | 459.4 | 298.9 | 191.6 | 140.1 | 38.5 | 688.6 | 362.2 | 94.5 | 1,515.5 | 2,273.8 | *298.9* | *688.6* |
| 1987 | 586.6 | 313.6 | 203.2 | 148.4 | 32.2 | 723.7 | 287.2 | 87.5 | 1,482.3 | 2,382.5 | *313.6* | *723.7* |
| 1988 | 611.5 | 305.8 | 210.2 | 179.3 | 29.3 | 744.5 | 339.1 | 90.0 | 1,592.4 | 2,509.6 | *305.8* | *744.5* |
| 1989 | 636.6 | 337.2 | 207.5 | 188.5 | 29.5 | 747.1 | 335.6 | 78.9 | 1,587.2 | 2,561.0 | *337.2* | *747.1* |
| 1990 | 633.4 | 342.0 | 205.7 | 179.6 | 28.1 | 747.8 | 341.3 | 79.8 | 1,582.1 | 2,557.5 | *342.0* | *747.8* |
| 1991 | 650.3 | 361.0 | 191.2 | 140.8 | 28.8 | 743.0 | 375.0 | 77.9 | 1,556.7 | 2,568.0 | *361.0* | *743.0* |
| 1992 | 649.4 | 371.1 | 210.3 | 137.5 | 29.0 | 752.1 | 375.0 | 76.2 | 1,580.1 | 2,600.6 | *371.1* | *752.1* |
| 1993 | 654.5 | 368.0 | 140.6 | 150.3 | 29.1 | 789.0 | 439.3 | 85.3 | 1,633.6 | 2,656.2 | *368.0* | *789.4* |
| 1994 | 663.4 | 417.7 | 199.4 | 162.1 | 27.0 | 796.4 | 420.2 | 78.4 | 1,683.5 | 2,764.6 | *417.7* | *796.7* |
| 1995 | 686.9 | 579.3 | 231.4 | 159.0 | 28.2 | 822.0 | 297.0 | 73.9 | 1,611.6 | 2,877.8 | *579.3* | *822.2* |
| 1996 | 745.8 | 561.1 | 223.3 | 166.4 | 29.2 | 829.4 | 298.1 | 107.7 | R 1,654.1 | 2,961.0 | *561.1* | *829.5* |
| 1997 | 751.3 | 547.2 | 242.2 | 173.0 | 21.1 | R 843.8 | 312.4 | 115.2 | 1,707.8 | 3,006.3 | *547.2* | *843.9* |
| 1998 | 749.5 | 529.6 | 254.2 | 161.6 | 22.7 | R 881.8 | 443.8 | 125.7 | 1,889.8 | 3,168.9 | *529.6* | *881.9* |
| 1999 | 716.3 | 583.4 | 268.0 | 164.3 | 25.9 | R 904.3 | 401.9 | 125.3 | 1,889.7 | 3,189.4 | *583.4* | *904.3* |
| 2000 | 760.4 | 574.5 | 277.8 | 199.2 | 26.6 | 929.0 | 410.2 | 117.4 | 1,960.3 | 3,295.2 | *574.5* | *929.1* |
| 2001 | 725.9 | 569.8 | 286.8 | 173.8 | 25.9 | 943.2 | 434.4 | 93.7 | 1,957.9 | 3,253.5 | *569.8* | *943.3* |
| 2002 | 719.7 | 708.6 | 291.7 | 153.3 | 21.8 | 979.5 | 347.1 | 114.8 | 1,908.3 | 3,336.6 | *708.6* | *979.5* |
| 2003 | 723.8 | 714.8 | 312.9 | 145.5 | 22.7 | 997.5 | 335.9 | 125.8 | 1,940.3 | 3,378.9 | *714.8* | *997.5* |
| 2004 | 699.1 | 757.7 | 336.2 | 165.8 | 27.1 | 1,051.9 | 392.8 | 146.1 | 2,119.9 | 3,576.6 | *757.7* | *1,051.9* |
| 2005 | 672.3 | 805.4 | 355.2 | 158.1 | 25.3 | R 1,078.2 | 383.7 | 156.2 | R 2,156.8 | R 3,634.6 | *805.4* | *1,082.6* |
| 2006 | 696.2 | 917.5 | 362.5 | 156.7 | 25.8 | R 1,089.5 | 257.2 | R 142.5 | R 2,034.3 | R 3,648.0 | *917.5* | *1,095.8* |
| 2007 | 720.8 | 950.3 | 325.5 | 176.7 | 22.5 | R 1,080.3 | 243.8 | R 113.4 | R 1,962.2 | R 3,633.3 | *950.3* | *1,089.4* |
| 2008 | 693.2 | R 970.0 | R 298.0 | 219.0 | 20.3 | R 995.2 | 125.5 | R 94.2 | R 1,752.2 | R 3,415.4 | R *970.0* | *1,042.3* |
| 2009 | 581.5 | 1,081.8 | 270.2 | 178.5 | 19.7 | 987.6 | 86.8 | 80.9 | 1,623.6 | 3,286.9 | *1,081.8* | *1,046.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Florida (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 3.0 | 32.7 | NA | NA | 32.7 | 0.0 | NA | NA | 35.7 | -8.1 | 0.0 | R 810.4 |
| 1965 | 0.0 | 3.1 | 36.8 | NA | NA | 36.8 | 0.0 | NA | NA | 39.9 | R 2.0 | 0.0 | R 1,115.4 |
| 1970 | 0.0 | 3.1 | 48.0 | NA | NA | 48.0 | 0.0 | NA | NA | 51.0 | R -6.6 | 0.0 | R 1,581.2 |
| 1971 | 0.0 | 2.7 | 47.3 | NA | NA | 47.3 | 0.0 | NA | NA | 50.0 | R -11.7 | 0.0 | R 1,677.6 |
| 1972 | 0.7 | 2.5 | 51.9 | NA | NA | 51.9 | 0.0 | NA | NA | 54.4 | R -14.3 | 0.0 | R 1,808.0 |
| 1973 | 51.0 | 2.4 | 53.8 | NA | NA | 53.8 | 0.0 | NA | NA | 56.3 | R -21.3 | 0.0 | R 1,999.6 |
| 1974 | 87.9 | 2.6 | 49.8 | NA | NA | 49.8 | 0.0 | NA | NA | 52.4 | R -7.0 | 0.0 | R 1,933.5 |
| 1975 | 92.2 | 2.4 | 47.6 | NA | NA | 47.6 | 0.0 | NA | NA | 50.0 | R -6.1 | 0.0 | R 1,943.6 |
| 1976 | 95.5 | 2.7 | 53.8 | NA | NA | 53.8 | 0.0 | NA | NA | 56.5 | R -10.1 | 0.0 | R 2,066.9 |
| 1977 | 189.1 | 2.5 | 57.4 | NA | NA | 57.4 | 0.0 | NA | NA | 60.0 | R -9.4 | 0.0 | R 2,223.7 |
| 1978 | 173.0 | 2.4 | 63.0 | NA | NA | 63.0 | 0.0 | NA | NA | 65.4 | R -0.6 | 0.0 | R 2,334.6 |
| 1979 | 167.4 | 2.5 | 66.9 | NA | NA | 66.9 | 0.0 | NA | NA | 69.4 | R -3.0 | 0.0 | R 2,432.5 |
| 1980 | 182.6 | 2.2 | 87.8 | NA | NA | 87.8 | 0.0 | NA | NA | 90.0 | R 33.6 | 0.0 | R 2,523.1 |
| 1981 | 159.4 | 1.9 | 81.2 | 0.6 | 0.0 | 81.8 | 0.0 | NA | NA | 83.7 | R 20.8 | 0.0 | R 2,497.5 |
| 1982 | 213.9 | 2.7 | 101.9 | 0.8 | 0.0 | 102.8 | 0.0 | NA | NA | 105.5 | R 87.2 | 0.0 | R 2,413.5 |
| 1983 | 161.4 | 2.3 | 89.4 | 2.9 | 0.0 | 92.3 | 0.0 | NA | 0.0 | R 94.6 | R 144.2 | 0.0 | R 2,466.5 |
| 1984 | 261.1 | 2.2 | 106.5 | 4.0 | 0.0 | R 110.5 | 0.0 | 0.0 | 0.0 | R 112.7 | R 161.8 | 0.0 | R 2,561.3 |
| 1985 | 249.2 | 2.5 | 108.1 | 3.8 | 0.0 | R 111.9 | 0.0 | 0.0 | 0.0 | R 114.5 | R 233.5 | 0.0 | R 2,708.7 |
| 1986 | 233.1 | 2.2 | 114.1 | 2.5 | 0.0 | 116.7 | 0.0 | 0.0 | 0.0 | 118.9 | R 168.3 | 0.0 | R 2,794.1 |
| 1987 | 196.0 | 2.3 | 105.3 | 1.2 | 0.0 | R 106.5 | 0.0 | 0.0 | 0.0 | 108.8 | R 195.6 | 0.0 | R 2,882.9 |
| 1988 | 277.8 | 2.2 | 111.6 | 0.6 | 0.0 | 112.3 | 0.0 | 0.0 | 0.0 | R 114.4 | R 152.8 | 0.0 | R 3,054.6 |
| 1989 | 221.4 | 2.4 | 204.5 | 0.8 | 0.0 | 205.3 | 1.2 | R 24.5 | 0.0 | R 233.4 | R 245.8 | 0.0 | R 3,261.6 |
| 1990 | 230.5 | 1.8 | 170.3 | 0.6 | 0.0 | R 170.9 | 1.3 | R 26.1 | 0.0 | R 200.1 | R 301.1 | 0.0 | R 3,289.2 |
| 1991 | 215.0 | 2.7 | 182.4 | 0.8 | 0.0 | R 183.2 | 1.4 | R 26.9 | 0.0 | R 214.3 | R 246.0 | 0.0 | R 3,243.3 |
| 1992 | 263.0 | 2.4 | 199.3 | 0.8 | 0.0 | 200.1 | 1.5 | R 28.0 | 0.0 | R 232.1 | R 213.9 | 0.0 | R 3,309.5 |
| 1993 | 271.9 | 2.2 | 184.7 | 0.5 | 0.0 | 185.2 | 1.6 | R 29.2 | 0.0 | R 218.1 | R 218.9 | 0.0 | R 3,365.1 |
| 1994 | 278.9 | 2.8 | 181.8 | 0.4 | 0.0 | 182.2 | 1.5 | R 30.1 | 0.0 | R 216.6 | R 242.3 | 0.0 | R 3,502.4 |
| 1995 | 302.0 | 2.4 | 186.3 | 0.2 | 0.0 | 186.5 | 1.6 | R 30.7 | 0.0 | R 221.2 | R 244.5 | 0.0 | R 3,645.5 |
| 1996 | 267.5 | 2.2 | 206.0 | 0.1 | 0.0 | 206.1 | 1.8 | R 31.1 | 0.0 | R 241.3 | R 279.1 | 0.0 | R 3,748.9 |
| 1997 | 241.0 | 2.5 | 196.9 | 0.1 | 0.0 | 197.0 | 1.9 | R 31.0 | 0.0 | R 232.5 | R 289.4 | 0.0 | R 3,769.2 |
| 1998 | 326.4 | 2.0 | 171.7 | 0.1 | 0.0 | 171.8 | 2.1 | R 30.8 | 0.0 | R 206.8 | R 211.9 | 0.0 | R 3,914.0 |
| 1999 | 329.4 | 1.4 | 171.7 | 0.1 | 0.0 | 171.8 | 2.2 | R 30.4 | 0.0 | R 205.7 | R 244.2 | 0.0 | R 3,968.8 |
| 2000 | 336.8 | 0.9 | 164.2 | 0.2 | 0.0 | 164.3 | 2.2 | R 29.4 | 0.0 | R 196.8 | R 304.6 | 0.0 | R 4,133.4 |
| 2001 | 329.8 | 1.5 | 127.3 | 0.1 | 0.0 | 127.4 | 2.4 | R 28.7 | 0.0 | R 160.1 | R 345.8 | 0.0 | R 4,089.2 |
| 2002 | 351.9 | 1.9 | 144.1 | (s) | 0.0 | 144.2 | 2.7 | R 27.9 | 0.0 | R 176.6 | R 346.8 | 0.0 | R 4,211.9 |
| 2003 | 322.8 | 2.7 | 157.6 | 0.0 | 0.0 | 157.6 | 3.5 | R 27.3 | 0.0 | R 191.1 | R 366.8 | 0.0 | R 4,259.6 |
| 2004 | 325.5 | 2.7 | 149.0 | (s) | 0.0 | 149.0 | 3.8 | R 27.0 | 0.0 | R 182.5 | R 353.8 | 0.0 | R 4,438.4 |
| 2005 | 300.1 | 2.7 | 153.2 | 4.4 | 0.0 | R 157.6 | 4.4 | R 27.1 | 0.0 | R 191.8 | R 407.0 | 0.0 | R 4,533.5 |
| 2006 | 328.0 | 2.0 | R 155.6 | 6.3 | 0.0 | R 161.8 | 5.0 | R 28.7 | 0.0 | R 197.6 | R 406.7 | 0.0 | R 4,580.3 |
| 2007 | 307.1 | 1.5 | R 159.9 | 9.1 | 0.0 | R 169.0 | 5.9 | R 30.6 | 0.0 | R 207.1 | R 427.3 | 0.0 | R 4,574.8 |
| 2008 | 335.9 | 2.0 | R 162.8 | 47.1 | 0.0 | R 209.8 | 6.9 | R 34.6 | 0.0 | R 253.4 | R 421.5 | 0.0 | R 4,426.2 |
| 2009 | 304.6 | 2.0 | 166.4 | 59.0 | 0.0 | 225.4 | 8.4 | 37.7 | 0.0 | 273.5 | 430.1 | 0.0 | 4,295.2 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 0 | 50 | 8,430 | 9,482 | 4,936 | 43,148 | 16,779 | 13,050 | 95,825 | 0 | – – | – – | – – | – – | 16,807 | – – | – – | – – |
| 1965 | 0 | 98 | 11,891 | 17,525 | 5,663 | 53,136 | 15,995 | 14,590 | 118,800 | 0 | – – | – – | – – | – – | 28,100 | – – | – – | – – |
| 1970 | 0 | 138 | 15,046 | 23,840 | 7,828 | 76,254 | 11,859 | 13,340 | 148,167 | 0 | – – | – – | – – | – – | 50,219 | – – | – – | – – |
| 1975 | 21 | 139 | 18,207 | 24,199 | 7,478 | 100,592 | 11,135 | 9,300 | 170,911 | 0 | – – | – – | – – | – – | 70,954 | – – | – – | – – |
| 1980 | 758 | 151 | 26,231 | 35,911 | 10,718 | 109,279 | 26,761 | 11,223 | 220,124 | 0 | – – | – – | – – | – – | 90,766 | – – | – – | – – |
| 1985 | 1,021 | 124 | 30,660 | 23,101 | 9,932 | 125,346 | 15,345 | 14,420 | 218,803 | 0 | – – | – – | – – | – – | 111,168 | – – | – – | – – |
| 1990 | 1,211 | 139 | 33,434 | 31,958 | 7,744 | 142,351 | 15,532 | 13,060 | 244,080 | 0 | – – | – – | – – | – – | 143,535 | – – | – – | – – |
| 1995 | 1,326 | 192 | 37,878 | 28,045 | 7,796 | 157,657 | 13,553 | 12,029 | 256,959 | 0 | – – | – – | – – | – – | 167,492 | – – | – – | – – |
| 2000 | 1,254 | 178 | 44,131 | 35,134 | 7,386 | 178,336 | 13,487 | 17,193 | 295,667 | 0 | – – | – – | – – | – – | 195,843 | – – | – – | – – |
| 2001 | 1,231 | 169 | 46,418 | 30,658 | 7,170 | 181,063 | 11,307 | 10,807 | 287,423 | 0 | – – | – – | – – | – – | 200,752 | – – | – – | – – |
| 2002 | 1,206 | 167 | 46,386 | 27,035 | 6,047 | 188,082 | 12,098 | 11,052 | 290,700 | 0 | – – | – – | – – | – – | 210,474 | – – | – – | – – |
| 2003 | 1,119 | 155 | 50,602 | 25,653 | 6,259 | 191,578 | 6,423 | 10,351 | 290,867 | 0 | – – | – – | – – | – – | 217,379 | – – | – – | – – |
| 2004 | 1,045 | 148 | 55,279 | 29,246 | 7,498 | 201,705 | 15,935 | 12,377 | 322,040 | 0 | – – | – – | – – | – – | 218,584 | – – | – – | – – |
| 2005 | 1,068 | 148 | 58,609 | 27,891 | 6,979 | 207,482 | 16,630 | 11,361 | 328,952 | 0 | – – | – – | – – | – – | 224,977 | – – | – – | – – |
| 2006 | 1,128 | 150 | 61,068 | 27,631 | 7,152 | 210,006 | 16,538 | 10,610 | 333,006 | 0 | – – | – – | – – | – – | 228,220 | – – | – – | – – |
| 2007 | 1,099 | 144 | 54,650 | 31,161 | 6,254 | 208,744 | 15,060 | 10,220 | 326,090 | 0 | – – | – – | – – | – – | 231,085 | – – | – – | – – |
| 2008 | 1,074 | 145 | 50,411 | 38,621 | 5,633 | 199,749 | 6,005 | 9,222 | 309,641 | 0 | – – | – – | – – | – – | 226,173 | – – | – – | – – |
| 2009 | 933 | 142 | 45,339 | 31,477 | 5,533 | 200,581 | 4,284 | 7,812 | 295,025 | 0 | – – | – – | – – | – – | 224,750 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.0 | 51.3 | 49.1 | 51.5 | 19.8 | 226.7 | 105.5 | 74.8 | 527.3 | 0.0 | 32.7 | NA | NA | NA | 57.3 | 668.6 | 141.8 | 810.4 |
| 1965 | 0.0 | 101.4 | 69.3 | 97.2 | 22.7 | 279.1 | 100.6 | 83.6 | 652.4 | 0.0 | 36.8 | NA | NA | NA | 95.9 | 886.6 | 228.9 | 1,115.4 |
| 1970 | 0.0 | 144.1 | 87.6 | 133.2 | 29.6 | 400.6 | 74.6 | 77.7 | 803.3 | 0.0 | 48.0 | NA | NA | NA | 171.3 | 1,166.7 | 414.5 | 1,581.2 |
| 1975 | 0.5 | 149.7 | 106.1 | 135.5 | 27.8 | 528.4 | 70.0 | 55.3 | 923.0 | 0.0 | 47.6 | NA | NA | NA | 242.1 | 1,362.9 | 580.7 | 1,943.6 |
| 1980 | 17.4 | 161.0 | 152.8 | 201.6 | 39.4 | 574.0 | 168.2 | 67.1 | 1,203.2 | 0.0 | 87.8 | NA | NA | NA | 309.7 | 1,779.1 | 744.0 | 2,523.1 |
| 1985 | 25.3 | 137.6 | 178.6 | 129.2 | 35.8 | 658.4 | 96.5 | 87.4 | 1,185.8 | 0.0 | 108.1 | 0.0 | NA | NA | 379.3 | 1,840.0 | 868.7 | 2,708.7 |
| 1990 | 30.3 | 150.4 | 194.8 | 179.6 | 28.1 | 747.8 | 97.6 | 79.8 | 1,327.6 | 0.0 | 139.5 | 0.0 | 1.3 | 26.1 | 489.7 | 2,165.4 | 1,123.7 | 3,289.2 |
| 1995 | 33.3 | 204.9 | 220.6 | 159.0 | 28.2 | 822.2 | 85.2 | 73.9 | 1,389.2 | 0.0 | 124.3 | 0.0 | 1.6 | 30.7 | 571.5 | 2,355.5 | 1,290.0 | 3,645.5 |
| 2000 | 32.3 | 196.9 | 257.1 | 199.2 | 26.6 | 929.1 | 84.8 | 98.1 | 1,595.0 | 0.0 | 98.1 | 0.0 | 2.2 | 29.4 | 668.2 | 2,622.0 | 1,511.3 | 4,133.4 |
| 2001 | 31.5 | 179.8 | 270.4 | 173.8 | 25.9 | 943.3 | 71.1 | 65.7 | 1,550.3 | 0.0 | 93.9 | 0.0 | 2.4 | 28.7 | 685.0 | 2,571.6 | 1,517.6 | 4,089.2 |
| 2002 | 30.9 | 173.5 | 270.2 | 153.3 | 21.8 | 979.5 | 76.1 | 67.4 | 1,568.3 | 0.0 | 99.2 | 0.0 | 2.7 | 27.9 | 718.1 | 2,620.5 | 1,591.4 | 4,211.9 |
| 2003 | 28.5 | 161.3 | 294.8 | 145.5 | 22.7 | 997.5 | 40.4 | 62.8 | 1,563.7 | 0.0 | 106.5 | 0.0 | 3.5 | 27.3 | 741.7 | 2,632.5 | 1,627.1 | 4,259.6 |
| 2004 | 27.0 | 153.6 | 322.0 | 165.8 | 27.1 | 1,051.9 | 100.2 | 75.9 | 1,742.9 | 0.0 | 97.8 | 0.0 | 3.8 | 27.0 | 745.8 | 2,798.0 | 1,640.4 | 4,438.4 |
| 2005 | 27.6 | 153.4 | 341.4 | 158.1 | 25.3 | 1,082.6 | 104.6 | 69.4 | 1,781.4 | 0.0 | 102.7 | 0.0 | 4.4 | 27.1 | 767.6 | 2,864.3 | 1,669.2 | 4,533.5 |
| 2006 | 28.7 | 154.6 | 355.7 | 156.7 | 25.8 | 1,095.8 | 104.0 | 67.5 | 1,805.4 | 0.0 | 105.1 | 0.0 | 5.0 | 28.7 | 778.7 | 2,906.3 | 1,674.0 | 4,580.3 |
| 2007 | 28.0 | 155.8 | 318.3 | 176.7 | 22.5 | 1,089.4 | 94.7 | 65.0 | 1,766.6 | 0.0 | 108.2 | 0.0 | 5.9 | 30.6 | 788.5 | 2,883.6 | 1,691.2 | 4,574.8 |
| 2008 | 27.3 | 150.0 | 293.6 | 219.0 | 20.3 | 1,042.3 | 37.8 | 58.5 | 1,671.5 | 0.0 | 112.5 | 0.0 | 6.9 | 34.6 | 771.7 | 2,774.5 | 1,651.7 | 4,426.2 |
| 2009 | 24.1 | 146.1 | 264.1 | 178.5 | 19.7 | 1,046.6 | 26.9 | 49.7 | 1,585.6 | 0.0 | 112.9 | 0.0 | 8.4 | 37.6 | 766.8 | 2,681.5 | 1,613.7 | 4,295.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 6 | 541 | 3,150 | 1,749 | 5,440 | 436 | – – | – – | 7,258 | – – | – – | – – |
| 1965 | 0 | 8 | 976 | 3,001 | 2,072 | 6,049 | 292 | – – | – – | 12,283 | – – | – – | – – |
| 1970 | 0 | 15 | 1,010 | 2,414 | 2,882 | 6,306 | 373 | – – | – – | 24,610 | – – | – – | – – |
| 1975 | 0 | 15 | 1,097 | 724 | 2,609 | 4,429 | 481 | – – | – – | 34,756 | – – | – – | – – |
| 1980 | 2 | 15 | 1,215 | 774 | 2,243 | 4,232 | 2,290 | – – | – – | 44,746 | – – | – – | – – |
| 1985 | 24 | 14 | 634 | 864 | 3,033 | 4,530 | 2,942 | – – | – – | 54,118 | – – | – – | – – |
| 1990 | 1 | 13 | 277 | 154 | 2,524 | 2,955 | 1,266 | – – | – – | 71,115 | – – | – – | – – |
| 1995 | (s) | 15 | 228 | 211 | 1,995 | 2,434 | 487 | – – | – – | 85,770 | – – | – – | – – |
| 1996 | (s) | 16 | 213 | 264 | 2,039 | 2,515 | 505 | – – | – – | 88,315 | – – | – – | – – |
| 1997 | 0 | 13 | 145 | 202 | 2,020 | 2,367 | 319 | – – | – – | 87,845 | – – | – – | – – |
| 1998 | 1 | 14 | 109 | 167 | 2,254 | 2,530 | 284 | – – | – – | 95,768 | – – | – – | – – |
| 1999 | 1 | 14 | 101 | 161 | 2,243 | 2,505 | 298 | – – | – – | 93,846 | – – | – – | – – |
| 2000 | 1 | 15 | 119 | 99 | 2,219 | 2,438 | 321 | – – | – – | 99,006 | – – | – – | – – |
| 2001 | 7 | 16 | 122 | 91 | 1,853 | 2,066 | 238 | – – | – – | 101,377 | – – | – – | – – |
| 2002 | 1 | 15 | 94 | 63 | 2,006 | 2,163 | 242 | – – | – – | 108,164 | – – | – – | – – |
| 2003 | 1 | 16 | 111 | 97 | 1,841 | 2,048 | 254 | – – | – – | 112,650 | – – | – – | – – |
| 2004 | 0 | 16 | 127 | 95 | 2,413 | 2,635 | 261 | – – | – – | 112,203 | – – | – – | – – |
| 2005 | (s) | 16 | 99 | 82 | 2,210 | 2,390 | 110 | – – | – – | 115,791 | – – | – – | – – |
| 2006 | (s) | 16 | 84 | 54 | 2,120 | 2,258 | 100 | – – | – – | 117,053 | – – | – – | – – |
| 2007 | (s) | 15 | 50 | 20 | 1,909 | 1,980 | 111 | – – | – – | 117,816 | – – | – – | – – |
| 2008 | 0 | 16 | 28 | 15 | 1,905 | 1,948 | 116 | – – | – – | 113,937 | – – | – – | – – |
| 2009 | 0 | 15 | 39 | 18 | 2,399 | 2,456 | 111 | – – | – – | 115,474 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.0 | 6.6 | 3.2 | 17.9 | 7.0 | 28.0 | 8.7 | NA | NA | 24.8 | 68.1 | 61.2 | 129.4 |
| 1965 | 0.0 | 8.4 | 5.7 | 17.0 | 8.3 | 31.0 | 5.8 | NA | NA | 41.9 | 87.2 | R 100.0 | 187.3 |
| 1970 | 0.0 | 15.3 | 5.9 | 13.7 | 10.9 | 30.5 | 7.5 | NA | NA | 84.0 | 137.2 | R 203.1 | R 340.3 |
| 1975 | 0.0 | 16.4 | 6.4 | 4.1 | 9.7 | 20.2 | 9.6 | NA | NA | 118.6 | 164.8 | R 284.5 | R 449.2 |
| 1980 | 0.1 | 16.2 | 7.1 | 4.4 | 8.2 | 19.7 | 45.8 | NA | NA | 152.7 | 234.4 | R 366.8 | R 601.2 |
| 1985 | 0.6 | 15.0 | 3.7 | 4.9 | 10.9 | 19.5 | 58.8 | NA | NA | 184.7 | 278.6 | R 422.9 | R 701.5 |
| 1990 | (s) | 14.1 | 1.6 | 0.9 | 9.1 | 11.6 | 25.3 | 1.1 | R 26.1 | 242.6 | R 320.9 | R 556.8 | R 877.6 |
| 1995 | (s) | 15.6 | 1.3 | 1.2 | 7.2 | 9.7 | 9.7 | 1.4 | R 30.7 | 292.6 | R 359.8 | R 660.6 | R 1,020.4 |
| 1996 | (s) | 18.2 | 1.2 | 1.5 | 7.4 | 10.1 | 10.1 | 1.5 | R 31.1 | 301.3 | R 372.3 | R 681.0 | R 1,053.3 |
| 1997 | 0.0 | 13.9 | 0.8 | 1.1 | 7.3 | 9.3 | 6.4 | 1.6 | R 31.0 | 299.7 | R 361.9 | R 674.7 | R 1,036.6 |
| 1998 | (s) | 14.9 | 0.6 | 0.9 | 8.1 | 9.7 | 5.7 | 1.6 | R 30.8 | 326.8 | R 389.5 | R 736.4 | R 1,125.9 |
| 1999 | (s) | 14.4 | 0.6 | 0.9 | 8.1 | 9.6 | 6.0 | 1.6 | R 30.4 | 320.2 | R 382.2 | R 727.9 | R 1,110.2 |
| 2000 | (s) | 16.8 | 0.7 | 0.6 | 8.0 | 9.3 | 6.4 | 1.6 | R 29.4 | 337.8 | R 401.3 | R 764.0 | R 1,165.4 |
| 2001 | 0.2 | 16.6 | 0.7 | 0.5 | 6.7 | 7.9 | 4.8 | 1.9 | R 28.7 | 345.9 | R 405.9 | R 766.4 | R 1,172.2 |
| 2002 | (s) | 15.7 | 0.5 | 0.4 | 7.2 | 8.2 | 4.8 | 2.0 | R 27.9 | 369.1 | R 427.7 | R 817.8 | R 1,245.5 |
| 2003 | (s) | 16.5 | 0.6 | 0.5 | 6.7 | 7.9 | 5.1 | 2.6 | R 27.3 | 384.4 | R 443.8 | R 843.2 | R 1,287.0 |
| 2004 | 0.0 | 16.5 | 0.7 | 0.5 | 8.7 | 10.0 | 5.2 | 2.9 | R 27.0 | 382.8 | R 444.4 | R 842.0 | R 1,286.4 |
| 2005 | (s) | 16.7 | 0.6 | 0.5 | 8.0 | 9.0 | 2.2 | 3.3 | R 27.1 | 395.1 | R 453.4 | R 859.1 | R 1,312.6 |
| 2006 | (s) | 16.1 | 0.5 | 0.3 | 7.6 | 8.4 | 2.0 | 3.8 | R 28.7 | 399.4 | R 458.5 | R 858.6 | R 1,317.1 |
| 2007 | (s) | 16.3 | 0.3 | 0.1 | 6.9 | 7.3 | 2.2 | 4.6 | R 30.6 | 402.0 | R 463.0 | R 862.2 | R 1,325.2 |
| 2008 | 0.0 | 16.1 | 0.2 | 0.1 | 6.9 | 7.1 | 2.3 | 5.5 | R 34.6 | 388.8 | R 454.4 | R 832.1 | R 1,286.4 |
| 2009 | 0.0 | 15.7 | 0.2 | 0.1 | 8.5 | 8.9 | 2.2 | 6.8 | 37.6 | 394.0 | 465.2 | 829.1 | 1,294.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 7 | 1,097 | 175 | 2,319 | 685 | 2,126 | 6,402 | NA | – – | – – | 5,586 | – – | – – | – – |
| 1965 | 0 | 13 | 1,981 | 166 | 2,746 | 712 | 1,608 | 7,214 | NA | – – | – – | 9,369 | – – | – – | – – |
| 1970 | 0 | 27 | 2,049 | 134 | 3,821 | 1,382 | 1,467 | 8,853 | NA | – – | – – | 16,244 | – – | – – | – – |
| 1975 | 0 | 32 | 2,226 | 40 | 3,458 | 1,038 | 1,555 | 8,317 | NA | – – | – – | 22,904 | – – | – – | – – |
| 1980 | 8 | 30 | 1,926 | 28 | 2,973 | 1,340 | 1,476 | 7,743 | NA | – – | – – | 27,422 | – – | – – | – – |
| 1985 | 86 | 31 | 4,083 | 1,047 | 4,020 | 1,368 | 2,170 | 12,688 | NA | – – | – – | 41,290 | – – | – – | – – |
| 1990 | 4 | 36 | 3,853 | 125 | 3,346 | 1,412 | 2,365 | 11,101 | 0 | – – | – – | 55,769 | – – | – – | – – |
| 1995 | 1 | 40 | 2,944 | 95 | 2,645 | 100 | 138 | 5,922 | 0 | – – | – – | 65,201 | – – | – – | – – |
| 1996 | 1 | 42 | 2,120 | 106 | 2,702 | 100 | 99 | 5,127 | 0 | – – | – – | 66,255 | – – | – – | – – |
| 1997 | 0 | 37 | 1,785 | 54 | 2,677 | 241 | 124 | 4,882 | 0 | – – | – – | 68,879 | – – | – – | – – |
| 1998 | 5 | 38 | 1,393 | 65 | 2,987 | 247 | 10 | 4,702 | 0 | – – | – – | 73,087 | – – | – – | – – |
| 1999 | 6 | 36 | 1,801 | 61 | 2,973 | 251 | 13 | 5,099 | 0 | – – | – – | 74,790 | – – | – – | – – |
| 2000 | 8 | 48 | 2,641 | 28 | 2,942 | 303 | 15 | 5,929 | 0 | – – | – – | 77,900 | – – | – – | – – |
| 2001 | 53 | 49 | 3,037 | 25 | 2,456 | 243 | 15 | 5,775 | 0 | – – | – – | 79,455 | – – | – – | – – |
| 2002 | 9 | 56 | 2,568 | 16 | 2,659 | 397 | 71 | 5,710 | 0 | – – | – – | 83,279 | – – | – – | – – |
| 2003 | 7 | 54 | 2,661 | 19 | 2,715 | 260 | 17 | 5,673 | 0 | – – | – – | 85,257 | – – | – – | – – |
| 2004 | 0 | 56 | 3,980 | 20 | 3,696 | 281 | 117 | 8,094 | 0 | – – | – – | 86,765 | – – | – – | – – |
| 2005 | (s) | 58 | 3,542 | 52 | 2,658 | 383 | 351 | 6,985 | 0 | – – | – – | 89,410 | – – | – – | – – |
| 2006 | (s) | 51 | 3,732 | 17 | 2,518 | 446 | 82 | 6,795 | 0 | – – | – – | 91,300 | – – | – – | – – |
| 2007 | (s) | 51 | 2,306 | 12 | 2,594 | 676 | 41 | 5,629 | 0 | – – | – – | 93,931 | – – | – – | – – |
| 2008 | 0 | 51 | R 2,539 | 5 | 2,366 | 627 | 97 | R 5,635 | 0 | – – | – – | 93,205 | – – | – – | – – |
| 2009 | 0 | 50 | 3,212 | 7 | 2,077 | 668 | 14 | 5,979 | 0 | – – | – – | 92,275 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 7.2 | 6.4 | 1.0 | 9.3 | 3.6 | 13.4 | 33.6 | NA | 0.2 | NA | 19.1 | 60.1 | 47.1 | 107.2 |
| 1965 | 0.0 | 13.2 | 11.5 | 0.9 | 11.0 | 3.7 | 10.1 | 37.3 | NA | 0.1 | NA | 32.0 | 82.6 | 76.3 | R 158.9 |
| 1970 | 0.0 | 28.0 | 11.9 | 0.8 | 14.4 | 7.3 | 9.2 | 43.6 | NA | 0.1 | NA | 55.4 | 127.2 | 134.1 | 261.3 |
| 1975 | 0.0 | 34.2 | 13.0 | 0.2 | 12.8 | 5.5 | 9.8 | 41.3 | NA | 0.2 | NA | 78.1 | 153.8 | R 187.5 | R 341.3 |
| 1980 | 0.2 | 32.3 | 11.2 | 0.2 | 10.9 | 7.0 | 9.3 | 38.6 | NA | 1.1 | NA | 93.6 | 165.8 | R 224.8 | R 390.6 |
| 1985 | 2.1 | 34.0 | 23.8 | 5.9 | 14.5 | 7.2 | 13.6 | 65.0 | NA | 1.4 | NA | 140.9 | 243.5 | R 322.7 | R 566.2 |
| 1990 | 0.1 | 39.3 | 22.4 | 0.7 | 12.1 | 7.4 | 14.9 | 57.6 | 0.0 | 3.2 | 0.2 | 190.3 | 290.7 | R 436.6 | R 727.3 |
| 1995 | (s) | 43.2 | 17.1 | 0.5 | 9.6 | 0.5 | 0.9 | 28.7 | 0.0 | 1.7 | 0.3 | 222.5 | 296.3 | R 502.2 | R 798.5 |
| 1996 | (s) | 46.7 | 12.4 | 0.6 | 9.8 | 0.5 | 0.6 | 23.9 | 0.0 | 1.8 | 0.3 | 226.1 | 298.7 | R 510.9 | R 809.6 |
| 1997 | 0.0 | 38.8 | 10.4 | 0.3 | 9.7 | 1.3 | 0.8 | 22.4 | 0.0 | 1.4 | 0.4 | 235.0 | 298.1 | R 529.0 | R 827.1 |
| 1998 | 0.1 | 39.7 | 8.1 | 0.4 | 10.8 | 1.3 | 0.1 | 20.6 | 0.0 | 1.4 | 0.5 | 249.4 | 311.8 | R 562.0 | R 873.8 |
| 1999 | 0.1 | 37.9 | 10.5 | 0.3 | 10.8 | 1.3 | 0.1 | 23.0 | 0.0 | 1.4 | 0.5 | 255.2 | 318.2 | R 580.1 | R 898.3 |
| 2000 | 0.2 | 53.1 | 15.4 | 0.2 | 10.6 | 1.6 | 0.1 | 27.8 | 0.0 | 1.5 | 0.5 | 265.8 | 348.9 | R 601.2 | R 950.1 |
| 2001 | 1.2 | 52.5 | 17.7 | 0.1 | 8.9 | 1.3 | 0.1 | 28.1 | 0.0 | 1.2 | 0.6 | 271.1 | 354.7 | R 600.6 | R 955.4 |
| 2002 | 0.2 | 57.8 | 15.0 | 0.1 | 9.6 | 2.1 | 0.4 | 27.2 | 0.0 | 1.3 | 0.6 | 284.1 | 371.3 | R 629.7 | R 1,001.0 |
| 2003 | 0.2 | 56.5 | 15.5 | 0.1 | 9.9 | 1.4 | 0.1 | 26.9 | 0.0 | 1.1 | 0.9 | 290.9 | 376.5 | R 638.1 | R 1,014.7 |
| 2004 | 0.0 | 58.3 | 23.2 | 0.1 | 13.4 | 1.5 | 0.7 | 38.9 | 0.0 | 1.4 | 1.0 | 296.0 | 395.6 | R 651.1 | R 1,046.8 |
| 2005 | (s) | 59.9 | 20.6 | 0.3 | 9.6 | 2.0 | 2.2 | 34.7 | 0.0 | 0.8 | 1.2 | 305.1 | 401.7 | R 663.4 | R 1,065.1 |
| 2006 | (s) | 52.2 | 21.7 | 0.1 | 9.1 | 2.3 | 0.5 | 33.8 | 0.0 | 0.8 | 1.2 | 311.5 | 399.6 | R 669.7 | R 1,069.3 |
| 2007 | (s) | 55.2 | 13.4 | 0.1 | 9.3 | 3.5 | 0.3 | 26.6 | 0.0 | 0.9 | 1.3 | 320.5 | 404.6 | R 687.4 | R 1,092.0 |
| 2008 | 0.0 | 52.5 | R 14.8 | (s) | 8.5 | 3.3 | 0.6 | R 27.2 | 0.0 | 0.9 | 1.4 | 318.0 | R 400.1 | R 680.7 | R 1,080.8 |
| 2009 | 0.0 | 51.9 | 18.7 | (s) | 7.4 | 3.5 | 0.1 | 29.7 | 0.0 | 1.0 | 1.6 | 314.8 | 399.1 | 662.5 | 1,061.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 0 | 35 | 2,934 | 785 | 182 | 10,883 | 4,535 | 19,320 | 0 | – – | – – | – – | 3,963 | – – | – – | – – |
| 1965 | 0 | 74 | 4,451 | 711 | 180 | 9,636 | 6,426 | 21,404 | 0 | – – | – – | – – | 6,449 | – – | – – | – – |
| 1970 | 0 | 92 | 4,494 | 928 | 202 | 8,148 | 6,985 | 20,757 | 0 | – – | – – | – – | 9,365 | – – | – – | – – |
| 1975 | 21 | 90 | 4,724 | 1,242 | 92 | 7,369 | 5,993 | 19,421 | 0 | – – | – – | – – | 13,294 | – – | – – | – – |
| 1980 | 748 | 102 | 7,077 | 5,341 | 86 | 13,673 | 8,277 | 34,453 | 0 | – – | – – | – – | 18,598 | – – | – – | – – |
| 1985 | 911 | 76 | 5,181 | 2,489 | 1,022 | 6,283 | 10,936 | 25,910 | 0 | – – | – – | – – | 15,742 | – – | – – | – – |
| 1990 | 1,207 | 87 | 4,148 | 1,662 | 1,069 | 3,220 | 11,149 | 21,248 | 0 | – – | – – | – – | 16,605 | – – | – – | – – |
| 1995 | 1,325 | 129 | 5,792 | 3,008 | 1,148 | 4,980 | 10,338 | 25,265 | 0 | – – | – – | – – | 16,473 | – – | – – | – – |
| 1996 | 1,270 | 133 | 5,649 | 3,221 | 1,139 | 3,903 | 16,520 | 30,432 | 0 | – – | – – | – – | 17,212 | – – | – – | – – |
| 1997 | 1,347 | 128 | 5,740 | 1,039 | 1,144 | 3,440 | 15,038 | 26,401 | 0 | – – | – – | – – | 18,266 | – – | – – | – – |
| 1998 | 1,279 | 124 | 5,515 | 936 | 1,900 | 4,137 | 15,576 | 28,063 | 0 | – – | – – | – – | 18,448 | – – | – – | – – |
| 1999 | 1,189 | 137 | 6,361 | 1,822 | 1,069 | 3,174 | 15,445 | 27,872 | 0 | – – | – – | – – | 18,579 | – – | – – | – – |
| 2000 | 1,245 | 107 | 6,230 | 2,087 | 1,139 | 3,495 | 15,614 | 28,565 | 0 | – – | – – | – – | 18,884 | – – | – – | – – |
| 2001 | 1,171 | 97 | 6,820 | 2,547 | 2,371 | 2,804 | 9,438 | 23,981 | 0 | – – | – – | – – | 19,854 | – – | – – | – – |
| 2002 | 1,196 | 85 | 7,115 | 1,211 | 2,452 | 1,589 | 9,721 | 22,088 | 0 | – – | – – | – – | 18,959 | – – | – – | – – |
| 2003 | 1,111 | 75 | 10,195 | 1,531 | 2,665 | 1,882 | 9,134 | 25,406 | 0 | – – | – – | – – | 19,375 | – – | – – | – – |
| 2004 | 1,045 | 65 | 8,401 | 1,121 | 2,875 | 3,066 | 11,156 | 26,619 | 0 | – – | – – | – – | 19,518 | – – | – – | – – |
| 2005 | 1,068 | 64 | 8,939 | 1,770 | 2,795 | 2,851 | 10,076 | 26,431 | 0 | – – | – – | – – | 19,676 | – – | – – | – – |
| 2006 | 1,128 | 71 | 8,283 | 2,190 | 2,875 | 2,426 | R 9,431 | R 25,205 | 0 | – – | – – | – – | 19,768 | – – | – – | – – |
| 2007 | 1,099 | 68 | 6,362 | 1,554 | 3,507 | 1,759 | R 9,105 | R 22,288 | 0 | – – | – – | – – | 19,241 | – – | – – | – – |
| 2008 | 1,074 | 69 | R 5,925 | R 1,032 | 3,465 | 1,532 | R 8,164 | R 20,118 | 0 | – – | – – | – – | 18,945 | – – | – – | – – |
| 2009 | 933 | 66 | 5,944 | 824 | 3,309 | 1,059 | 6,901 | 18,037 | 0 | – – | – – | – – | 16,918 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.0 | 36.4 | 17.1 | 3.2 | 1.0 | 68.4 | 29.0 | 118.7 | 0.0 | 23.8 | NA | NA | 13.5 | 192.4 | 33.4 | 225.9 |
| 1965 | 0.0 | 77.2 | 25.9 | 2.9 | 0.9 | 60.6 | 39.7 | 130.0 | 0.0 | 30.8 | NA | NA | 22.0 | 260.0 | 52.5 | 312.5 |
| 1970 | 0.0 | 96.3 | 26.2 | 3.5 | 1.1 | 51.2 | 43.4 | 125.4 | 0.0 | 40.4 | NA | NA | 32.0 | 294.0 | 77.3 | 371.3 |
| 1975 | 0.5 | 96.6 | 27.5 | 4.6 | 0.5 | 46.3 | 37.5 | 116.4 | 0.0 | 37.8 | NA | NA | 45.4 | 296.7 | R 108.8 | R 405.5 |
| 1980 | 17.1 | 108.6 | 41.2 | 19.6 | 0.5 | 86.0 | 50.9 | 198.2 | 0.0 | 40.9 | NA | NA | 63.5 | 428.3 | R 152.4 | R 580.7 |
| 1985 | 22.6 | 84.2 | 30.2 | 9.0 | 5.4 | 39.5 | 67.9 | 151.9 | 0.0 | 47.9 | 0.0 | NA | 53.7 | 360.3 | R 123.0 | R 483.4 |
| 1990 | 30.2 | 93.9 | 24.2 | 6.0 | 5.6 | 20.2 | 69.1 | 125.2 | 0.0 | 111.0 | 0.0 | 0.0 | 56.7 | 416.9 | R 130.0 | R 546.9 |
| 1995 | 33.3 | 137.9 | 33.7 | 10.9 | 6.0 | 31.3 | 64.4 | 146.3 | 0.0 | 112.9 | 0.0 | 0.0 | 56.2 | 486.6 | R 126.9 | R 613.5 |
| 1996 | 31.9 | 148.6 | 32.9 | 11.6 | 5.9 | 24.5 | 96.4 | 171.5 | 0.0 | 120.4 | 0.0 | 0.0 | 58.7 | 531.1 | R 132.7 | R 663.8 |
| 1997 | 33.7 | 135.0 | 33.4 | 3.8 | 6.0 | 21.6 | 85.9 | 150.7 | 0.0 | 117.3 | 0.0 | 0.0 | 62.3 | 499.0 | R 140.3 | R 639.3 |
| 1998 | 32.0 | 131.0 | 32.1 | 3.4 | 9.9 | 26.0 | 89.3 | 160.7 | 0.0 | 99.8 | 0.0 | 0.0 | 62.9 | 486.4 | R 141.9 | R 628.2 |
| 1999 | 29.7 | 142.9 | 37.1 | 6.6 | 5.6 | 20.0 | 88.0 | 157.2 | 0.0 | 95.8 | 0.0 | 0.0 | 63.4 | 489.1 | R 144.1 | R 633.2 |
| 2000 | 32.1 | 118.7 | 36.3 | 7.5 | 5.9 | 22.0 | 89.2 | 161.0 | 0.0 | 90.2 | 0.0 | 0.0 | 64.4 | 466.3 | R 145.7 | R 612.1 |
| 2001 | 30.1 | 103.3 | 39.7 | 9.2 | 12.4 | 17.6 | 58.0 | 136.9 | 0.0 | 87.9 | 0.0 | 0.0 | 67.7 | 425.9 | R 150.1 | R 576.0 |
| 2002 | 30.6 | 88.0 | 41.4 | 4.4 | 12.8 | 10.0 | 59.8 | 128.4 | 0.0 | 93.0 | 0.0 | 0.0 | 64.7 | 404.7 | R 143.4 | R 548.1 |
| 2003 | 28.3 | 77.7 | 59.4 | 5.6 | 13.9 | 11.8 | 55.9 | 146.5 | 0.0 | 100.2 | 0.0 | 0.0 | 66.1 | 418.9 | R 145.0 | R 564.0 |
| 2004 | 27.0 | 67.2 | 48.9 | 4.1 | 15.0 | 19.3 | 68.9 | 156.2 | 0.0 | 91.2 | 0.0 | 0.0 | 66.6 | 408.2 | R 146.5 | R 554.7 |
| 2005 | 27.6 | 66.8 | 52.1 | 6.4 | 14.6 | 17.9 | 62.1 | 153.1 | 0.0 | 99.7 | 0.0 | 0.0 | 67.1 | 414.3 | R 146.0 | R 560.3 |
| 2006 | 28.7 | 73.7 | 48.3 | 7.9 | 15.0 | 15.3 | R 60.8 | R 147.2 | 0.0 | R 102.3 | 0.0 | 0.0 | 67.4 | R 419.3 | R 145.0 | R 564.3 |
| 2007 | 27.9 | 73.2 | 37.1 | 5.6 | 18.3 | 11.1 | R 58.6 | R 130.6 | 0.0 | R 105.1 | 0.0 | 0.0 | 65.7 | R 402.5 | R 140.8 | R 543.3 |
| 2008 | 27.3 | 71.4 | R 34.5 | 3.7 | 18.1 | 9.6 | R 52.5 | R 118.4 | 0.0 | R 109.2 | 0.0 | 0.0 | 64.6 | R 391.0 | R 138.4 | R 529.4 |
| 2009 | 24.1 | 67.6 | 34.6 | 2.9 | 17.3 | 6.7 | 44.5 | 106.0 | 0.0 | 109.7 | 0.0 | 0.0 | 57.7 | 365.1 | 121.5 | 486.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 0 | 1 | 4,517 | 3,858 | 9,482 | 82 | 674 | 42,281 | 3,770 | 64,663 | 0 | – – | – – | – – |
| 1965 | 0 | 3 | 4,273 | 4,482 | 17,525 | 134 | 723 | 52,244 | 4,751 | 84,132 | 0 | – – | – – | – – |
| 1970 | 0 | 4 | 3,138 | 7,493 | 23,840 | 197 | 669 | 74,670 | 2,244 | 112,252 | 0 | – – | – – | – – |
| 1975 | (s) | 2 | 1,921 | 10,160 | 24,199 | 169 | 622 | 99,462 | 2,211 | 138,744 | 0 | – – | – – | – – |
| 1980 | 0 | 4 | 1,339 | 16,014 | 35,911 | 161 | 805 | 107,853 | 11,613 | 173,695 | 0 | – – | – – | – – |
| 1985 | 0 | 4 | 841 | 20,762 | 23,101 | 390 | 733 | 122,956 | 6,892 | 175,675 | 18 | – – | – – | – – |
| 1990 | 0 | 3 | 808 | 25,155 | 31,958 | 213 | 824 | 139,870 | 9,946 | 208,776 | 46 | – – | – – | – – |
| 1995 | 0 | 8 | 599 | 28,915 | 28,045 | 148 | 786 | 156,410 | 8,435 | 223,338 | 49 | – – | – – | – – |
| 1996 | 0 | 6 | 519 | 28,649 | 29,345 | 120 | 763 | 157,789 | 8,126 | 225,310 | 51 | – – | – – | – – |
| 1997 | 0 | 6 | 567 | 32,321 | 30,520 | 103 | 806 | 160,492 | 8,485 | 233,294 | 51 | – – | – – | – – |
| 1998 | 0 | 4 | 431 | 33,143 | 28,508 | 92 | 844 | 167,054 | 7,664 | 237,736 | 51 | – – | – – | – – |
| 1999 | 0 | 7 | 591 | 34,490 | 28,977 | 132 | 853 | 172,223 | 7,609 | 244,875 | 55 | – – | – – | – – |
| 2000 | 0 | 8 | 612 | 35,141 | 35,134 | 138 | 840 | 176,893 | 9,977 | 258,735 | 54 | – – | – – | – – |
| 2001 | 0 | 7 | 483 | 36,439 | 30,658 | 314 | 770 | 178,449 | 8,488 | 255,601 | 66 | – – | – – | – – |
| 2002 | 0 | 12 | 492 | 36,609 | 27,035 | 171 | 761 | 185,233 | 10,437 | 260,739 | 72 | – – | – – | – – |
| 2003 | 0 | 10 | 398 | 37,634 | 25,653 | 173 | 703 | 188,653 | 4,525 | 257,740 | 97 | – – | – – | – – |
| 2004 | 0 | 11 | 393 | 42,771 | 29,246 | 269 | 712 | 198,549 | 12,752 | 284,692 | 98 | – – | – – | – – |
| 2005 | 0 | 10 | 443 | 46,030 | 27,891 | 342 | 709 | 204,304 | 13,428 | 293,145 | 99 | – – | – – | – – |
| 2006 | 0 | 12 | 418 | 48,968 | 27,631 | 324 | 690 | 206,686 | 14,030 | 298,747 | 99 | – – | – – | – – |
| 2007 | 0 | 10 | 370 | 45,932 | 31,161 | 197 | 713 | 204,560 | 13,260 | 296,193 | 96 | – – | – – | – – |
| 2008 | 0 | 10 | 376 | R 41,918 | 38,621 | R 330 | 662 | 195,656 | 4,377 | R 281,940 | 86 | – – | – – | – – |
| 2009 | 0 | 11 | 291 | 36,144 | 31,477 | 232 | 595 | 196,603 | 3,210 | 268,553 | 84 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.0 | 1.0 | 22.8 | 22.5 | 51.5 | 0.3 | 4.1 | 222.1 | 23.7 | 347.0 | 0.0 | 348.0 | 0.0 | 348.0 |
| 1965 | 0.0 | 2.6 | 21.6 | 26.1 | 97.2 | 0.5 | 4.4 | 274.4 | 29.9 | 454.1 | 0.0 | 456.7 | 0.0 | 456.7 |
| 1970 | 0.0 | 4.5 | 15.8 | 43.6 | 133.2 | 0.7 | 4.1 | 392.2 | 14.1 | 603.8 | 0.0 | 608.3 | 0.0 | 608.3 |
| 1975 | (s) | 2.5 | 9.7 | 59.2 | 135.5 | 0.6 | 3.8 | 522.5 | 13.9 | 745.2 | 0.0 | 747.7 | 0.0 | 747.7 |
| 1980 | 0.0 | 3.9 | 6.8 | 93.3 | 201.6 | 0.6 | 4.9 | 566.6 | 73.0 | 946.6 | 0.0 | 950.6 | 0.0 | 950.6 |
| 1985 | 0.0 | 4.3 | 4.2 | 120.9 | 129.2 | 1.4 | 4.4 | 645.9 | 43.3 | 949.4 | 0.1 | R 957.5 | 0.1 | R 957.6 |
| 1990 | 0.0 | 3.0 | 4.1 | 146.5 | 179.6 | 0.8 | 5.0 | 734.7 | 62.5 | 1,133.2 | 0.2 | 1,137.0 | 0.4 | 1,137.4 |
| 1995 | 0.0 | 8.2 | 3.0 | 168.4 | 159.0 | 0.5 | 4.8 | 815.7 | 53.0 | 1,204.5 | 0.2 | 1,212.8 | 0.4 | 1,213.2 |
| 1996 | 0.0 | 6.6 | 2.6 | 166.9 | 166.4 | 0.4 | 4.6 | 823.0 | 51.1 | 1,215.1 | 0.2 | 1,221.8 | 0.4 | 1,222.2 |
| 1997 | 0.0 | 6.2 | 2.9 | 188.3 | 173.0 | 0.4 | 4.9 | 836.6 | 53.3 | 1,259.4 | 0.2 | 1,265.8 | 0.4 | 1,266.2 |
| 1998 | 0.0 | 4.3 | 2.2 | 193.1 | 161.6 | 0.3 | 5.1 | 870.7 | 48.2 | 1,281.2 | 0.2 | 1,285.7 | 0.4 | 1,286.1 |
| 1999 | 0.0 | 7.5 | 3.0 | 200.9 | 164.3 | 0.5 | 5.2 | 897.5 | 47.8 | 1,319.1 | 0.2 | 1,326.8 | 0.4 | 1,327.2 |
| 2000 | 0.0 | 8.3 | 3.1 | 204.7 | 199.2 | 0.5 | 5.1 | 921.6 | 62.7 | 1,396.9 | 0.2 | 1,405.4 | 0.4 | 1,405.8 |
| 2001 | 0.0 | 7.5 | 2.4 | 212.3 | 173.8 | 1.1 | 4.7 | 929.7 | 53.4 | 1,377.4 | 0.2 | 1,385.1 | 0.5 | 1,385.6 |
| 2002 | 0.0 | 12.0 | 2.5 | 213.2 | 153.3 | 0.6 | 4.6 | 964.7 | 65.6 | 1,404.6 | 0.2 | 1,416.8 | 0.5 | 1,417.4 |
| 2003 | 0.0 | 10.6 | 2.0 | 219.2 | 145.5 | 0.6 | 4.3 | 982.3 | 28.4 | 1,382.3 | 0.3 | 1,393.3 | 0.7 | 1,394.0 |
| 2004 | 0.0 | 11.6 | 2.0 | 249.1 | 165.8 | 1.0 | 4.3 | 1,035.4 | 80.2 | 1,537.8 | 0.3 | 1,549.8 | 0.7 | 1,550.6 |
| 2005 | 0.0 | 9.9 | 2.2 | 268.1 | 158.1 | 1.2 | 4.3 | 1,066.1 | 84.4 | 1,584.5 | 0.3 | 1,594.8 | 0.7 | 1,595.5 |
| 2006 | 0.0 | 12.6 | 2.1 | 285.2 | 156.7 | 1.2 | 4.2 | 1,078.5 | 88.2 | 1,616.1 | 0.3 | 1,629.0 | 0.7 | 1,629.7 |
| 2007 | 0.0 | 11.2 | 1.9 | 267.6 | 176.7 | 0.7 | 4.3 | 1,067.6 | 83.4 | 1,602.1 | 0.3 | 1,613.6 | 0.7 | 1,614.3 |
| 2008 | 0.0 | R 10.0 | 1.9 | R 244.2 | 219.0 | 1.2 | 4.0 | 1,020.9 | 27.5 | R 1,518.7 | 0.3 | R 1,529.0 | 0.6 | R 1,529.6 |
| 2009 | 0.0 | 10.8 | 1.5 | 210.5 | 178.5 | 0.8 | 3.6 | 1,025.9 | 20.2 | 1,441.0 | 0.3 | 1,452.1 | 0.6 | 1,452.7 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Florida

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 1,104 | 89 | 13,419 | 191 | 0 | 13,610 | 0 | 278 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 2,323 | 87 | 27,349 | 388 | 0 | 27,737 | 0 | 298 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 5,131 | 198 | 41,783 | 593 | 0 | 42,376 | 0 | 292 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 5,758 | 141 | 68,180 | 5,205 | 0 | 73,385 | 8,370 | 234 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 8,785 | 166 | 69,994 | 3,200 | 0 | 73,194 | 16,737 | 215 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 18,283 | 166 | 22,432 | 1,246 | 0 | 23,678 | 23,461 | 244 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 24,301 | 189 | 38,752 | 1,877 | 0 | 40,628 | 21,780 | 175 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 26,897 | 369 | 33,692 | 1,854 | 0 | 35,546 | 28,741 | 231 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 29,280 | 337 | 35,286 | 1,701 | 313 | 37,301 | 25,470 | 216 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 29,495 | 339 | 37,648 | 1,592 | 3,336 | 42,577 | 22,968 | 241 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 29,557 | 324 | 58,780 | 3,484 | 4,622 | 66,885 | 31,115 | 199 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 28,173 | 366 | 53,130 | 3,259 | 4,624 | 61,012 | 31,526 | 140 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 29,846 | 364 | 51,766 | 3,561 | 3,205 | 58,533 | 32,291 | 87 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 28,696 | 374 | 57,781 | 2,825 | 4,640 | 65,246 | 31,583 | 148 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 28,139 | 522 | 43,112 | 3,698 | 7,876 | 54,686 | 33,704 | 184 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 28,331 | 535 | 47,001 | 3,117 | 10,447 | 60,565 | 30,979 | 263 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 27,644 | 586 | 46,536 | 2,445 | 11,649 | 60,630 | 31,216 | 265 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 26,603 | 630 | 44,403 | 2,373 | 14,416 | 61,192 | 28,759 | 266 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 27,755 | 742 | 24,378 | 1,167 | 12,459 | 38,004 | 31,426 | 203 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 28,826 | 773 | 23,726 | 1,223 | 8,034 | 32,983 | 29,289 | 154 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 28,077 | 797 | 13,952 | 752 | 5,933 | 20,636 | 32,133 | 206 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 23,467 | 914 | 9,518 | 1,043 | 5,173 | 15,734 | 29,118 | 208 | – – | 0 | 9 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 27.2 | 91.6 | 84.4 | 1.1 | 0.0 | 85.5 | 0.0 | 3.0 | 0.0 | 0.0 | NA | NA | 0.0 | 207.3 |
| 1965 | 55.2 | 90.2 | 171.9 | 2.3 | 0.0 | 174.2 | 0.0 | 3.1 | 0.0 | 0.0 | NA | NA | 0.0 | 322.7 |
| 1970 | 116.7 | 206.5 | 262.7 | 3.5 | 0.0 | 266.1 | 0.0 | 3.1 | 0.0 | 0.0 | NA | NA | 0.0 | 592.4 |
| 1975 | 133.0 | 142.4 | 428.6 | 30.3 | 0.0 | 459.0 | 92.2 | 2.4 | 0.0 | 0.0 | NA | NA | 0.0 | 829.0 |
| 1980 | 208.1 | 168.5 | 440.1 | 18.6 | 0.0 | 458.7 | 182.6 | 2.2 | 0.0 | 0.0 | NA | NA | 0.0 | 1,020.1 |
| 1985 | 447.0 | 167.5 | 141.0 | 7.3 | 0.0 | 148.3 | 249.2 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,014.6 |
| 1990 | 603.1 | 191.6 | 243.6 | 10.9 | 0.0 | 254.6 | 230.5 | 1.8 | 30.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,312.4 |
| 1995 | 653.6 | 374.5 | 211.8 | 10.8 | 0.0 | 222.6 | 302.0 | 2.4 | 61.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,617.0 |
| 1996 | 713.9 | 341.1 | 221.8 | 9.9 | 1.9 | 233.6 | 267.5 | 2.2 | 73.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,632.1 |
| 1997 | 717.6 | 353.3 | 236.7 | 9.3 | 20.1 | 266.1 | 241.0 | 2.5 | 71.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,652.2 |
| 1998 | 717.4 | 339.7 | 369.5 | 20.3 | 27.8 | 417.7 | 326.4 | 2.0 | 64.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,868.0 |
| 1999 | 686.4 | 380.7 | 334.0 | 19.0 | 27.9 | 380.9 | 329.4 | 1.4 | 68.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,847.3 |
| 2000 | 728.1 | 377.5 | 325.5 | 20.7 | 19.3 | 365.5 | 336.8 | 0.9 | 66.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,874.9 |
| 2001 | 694.4 | 389.9 | 363.3 | 16.5 | 27.9 | 407.7 | 329.8 | 1.5 | 33.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,856.7 |
| 2002 | 688.8 | 535.2 | 271.0 | 21.5 | 47.4 | 340.0 | 351.9 | 1.9 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,962.8 |
| 2003 | 695.3 | 553.5 | 295.5 | 18.2 | 62.9 | 376.6 | 322.8 | 2.7 | 51.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2,002.0 |
| 2004 | 672.0 | 604.0 | 292.6 | 14.2 | 70.2 | 377.0 | 325.5 | 2.7 | 51.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2,032.4 |
| 2005 | 644.7 | 652.1 | 279.2 | 13.8 | 86.8 | 379.8 | 300.1 | 2.7 | 50.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2,029.8 |
| 2006 | 667.5 | 762.9 | 153.3 | 6.8 | 75.1 | 235.1 | 328.0 | 2.0 | 50.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2,046.0 |
| 2007 | 692.9 | 794.4 | 149.2 | 7.1 | 48.4 | 204.7 | 307.1 | 1.5 | 51.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2,052.3 |
| 2008 | 665.9 | 820.0 | 87.7 | 4.4 | 35.7 | 127.8 | 335.9 | 2.0 | 50.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2,001.9 |
| 2009 | 557.5 | 935.7 | 59.8 | 6.1 | 31.2 | 97.1 | 304.6 | 2.0 | 53.5 | 0.0 | 0.1 | 0.0 | 0.0 | 1,950.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 3,548 | 182 | 5,140 | 2,306 | 4,253 | 32,079 | 6,551 | 5,390 | 55,720 | 0 | 2,306 | NA |
| 1965 | 6,116 | 211 | 8,531 | 2,158 | 5,424 | 39,136 | 8,413 | 8,205 | 71,867 | 0 | 3,234 | NA |
| 1970 | 8,131 | 333 | 12,781 | 10,506 | 7,430 | 54,081 | 10,279 | 7,026 | 102,104 | 0 | 2,519 | NA |
| 1971 | 9,429 | 343 | 14,650 | 11,749 | 7,574 | 57,794 | 10,402 | 8,190 | 110,359 | 0 | 3,302 | NA |
| 1972 | 11,114 | 331 | 16,525 | 11,716 | 8,041 | 62,286 | 13,209 | 8,750 | 120,526 | 0 | 3,386 | NA |
| 1973 | 11,348 | 348 | 20,417 | 14,174 | 8,340 | 65,993 | 14,216 | 9,198 | 132,337 | 0 | 4,232 | NA |
| 1974 | 12,006 | 330 | 20,081 | 11,950 | 7,636 | 65,032 | 14,144 | 8,851 | 127,694 | 44 | 3,654 | NA |
| 1975 | 13,141 | 327 | 16,115 | 12,887 | 8,168 | 65,541 | 10,809 | 8,006 | 121,527 | 3,093 | 4,334 | NA |
| 1976 | 14,623 | 261 | 20,257 | 13,274 | 9,007 | 68,396 | 14,074 | 10,036 | 135,044 | 4,134 | 4,432 | NA |
| 1977 | 17,538 | 265 | 21,137 | 14,155 | 9,200 | 70,250 | 14,611 | 11,400 | 140,754 | 3,713 | 4,032 | NA |
| 1978 | 18,293 | 278 | 19,096 | 15,258 | 8,688 | 72,555 | 12,260 | 12,815 | 140,673 | 4,277 | 3,755 | NA |
| 1979 | 19,752 | 312 | 18,347 | 17,165 | 7,675 | 69,572 | 13,463 | 12,441 | 138,663 | 5,095 | 4,431 | NA |
| 1980 | 21,892 | 315 | 19,437 | 16,421 | 7,444 | 65,506 | 9,036 | 12,255 | 130,097 | 8,436 | 4,423 | NA |
| 1981 | 23,073 | 317 | 19,276 | 14,829 | 6,813 | 65,602 | 6,281 | 10,823 | 123,625 | 7,235 | 2,328 | 11 |
| 1982 | 22,295 | 295 | 18,374 | 15,085 | 6,367 | 66,046 | 5,395 | 9,818 | 121,085 | 6,606 | 3,652 | (s) |
| 1983 | 24,202 | 296 | 21,761 | 16,495 | 6,402 | 67,969 | 4,635 | 10,833 | 128,095 | 7,774 | 4,120 | (s) |
| 1984 | 28,072 | 307 | 23,458 | 16,790 | 6,168 | 71,471 | 5,859 | 12,144 | 135,891 | 5,472 | 4,137 | (s) |
| 1985 | 29,898 | 282 | 24,639 | 16,236 | 6,825 | 72,993 | 11,931 | 10,668 | 143,292 | 10,130 | 2,826 | 0 |
| 1986 | 28,460 | 279 | 24,949 | 17,742 | 6,342 | 76,957 | 3,628 | 12,010 | 141,628 | 7,238 | 2,151 | 0 |
| 1987 | 29,126 | 303 | 26,979 | 19,691 | 6,337 | 80,118 | 3,164 | 12,237 | 148,527 | 15,259 | 3,175 | 0 |
| 1988 | 28,654 | 323 | 28,802 | 20,295 | 6,731 | 83,520 | 3,118 | 12,314 | 154,779 | 15,149 | 2,065 | 15 |
| 1989 | 27,918 | 318 | 28,101 | 17,451 | 7,394 | 83,571 | 2,637 | 11,126 | 150,280 | 24,961 | 3,894 | 87 |
| 1990 | 30,067 | 311 | 28,927 | 18,439 | 6,021 | 83,148 | 3,491 | 13,153 | 153,179 | 24,797 | 4,589 | 209 |
| 1991 | 26,957 | 323 | 27,760 | 14,441 | 6,747 | 83,715 | 2,937 | 14,695 | 150,294 | 26,016 | 4,232 | 227 |
| 1992 | 25,481 | 343 | 27,574 | 12,422 | 7,185 | 83,906 | 6,800 | 15,212 | 153,098 | 27,996 | 4,915 | 61 |
| 1993 | 27,081 | 351 | 30,874 | 15,204 | 7,614 | 93,036 | 5,478 | 15,987 | 168,193 | 27,233 | 4,457 | 113 |
| 1994 | 29,254 | 342 | 31,104 | 16,936 | 7,548 | 93,493 | 4,728 | 16,009 | 169,817 | 28,927 | 4,331 | 32 |
| 1995 | 31,288 | 374 | 34,292 | 18,451 | 7,288 | 97,672 | 4,103 | 15,926 | 177,731 | 30,661 | 4,197 | 3 |
| 1996 | 31,158 | 385 | 40,426 | 17,293 | 7,490 | 101,063 | 4,777 | 14,216 | 185,265 | 29,925 | 4,679 | 0 |
| 1997 | 32,846 | 372 | 36,178 | 15,240 | 7,800 | 101,576 | 4,251 | 14,286 | 179,330 | 30,414 | 4,280 | 0 |
| 1998 | 32,720 | 369 | 37,511 | 15,148 | 6,188 | 106,860 | 2,367 | 15,237 | 183,310 | 31,380 | 5,235 | 0 |
| 1999 | 33,491 | 338 | 40,637 | 15,316 | 6,899 | 109,920 | 2,199 | 17,609 | 192,580 | 31,478 | 2,751 | 0 |
| 2000 | 35,149 | 414 | 42,597 | 13,046 | 9,112 | 111,119 | 2,710 | 15,137 | 193,720 | 32,473 | 2,481 | 0 |
| 2001 | 32,896 | 351 | 45,554 | 9,903 | 6,692 | 113,550 | 1,726 | 15,530 | 192,955 | 33,682 | 2,596 | 0 |
| 2002 | 34,470 | 384 | 41,946 | 7,430 | 6,820 | 116,875 | 3,699 | 15,763 | 192,533 | 31,108 | 2,716 | 0 |
| 2003 | 35,111 | 380 | 42,889 | 8,790 | 6,290 | 118,244 | 4,429 | 15,495 | 196,136 | 33,257 | 4,140 | 0 |
| 2004 | 37,872 | 395 | 45,732 | 9,177 | 6,504 | 120,751 | 6,753 | 17,334 | 206,251 | 33,748 | 3,692 | 0 |
| 2005 | 40,887 | 413 | 50,768 | 9,576 | 6,310 | 122,294 | 7,648 | 16,698 | 213,294 | 31,534 | 4,032 | 683 |
| 2006 | 40,477 | 420 | 47,937 | 6,552 | 6,090 | 120,440 | 9,937 | R 13,625 | R 204,580 | 32,006 | 2,569 | 987 |
| 2007 | 42,317 | 441 | 45,635 | 6,726 | 5,729 | 121,069 | 7,029 | R 13,491 | R 199,680 | 32,545 | 2,236 | 1,460 |
| 2008 | 40,749 | 425 | R 41,003 | 6,334 | 5,869 | 115,469 | 8,079 | R 11,037 | R 187,790 | 31,691 | 2,145 | 7,808 |
| 2009 | 33,836 | 463 | 38,161 | 18,023 | 5,386 | 117,839 | 7,297 | 9,381 | 196,087 | 31,683 | 3,260 | 9,914 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Georgia
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 89.0 | 188.5 | 29.9 | 12.4 | 17.1 | 168.5 | 41.2 | 33.1 | 302.2 | 579.6 | *188.5* | *168.5* |
| 1965 | 152.6 | 219.8 | 49.7 | 11.6 | 21.8 | 205.6 | 52.9 | 49.9 | 391.4 | 763.8 | *219.8* | *205.6* |
| 1970 | 193.2 | 342.8 | 74.5 | 59.0 | 28.1 | 284.1 | 64.6 | 43.4 | 553.6 | 1,089.6 | *342.8* | *284.1* |
| 1971 | 219.6 | 353.2 | 85.3 | 66.0 | 28.6 | 303.6 | 65.4 | 49.9 | 598.8 | 1,171.6 | *353.2* | *303.6* |
| 1972 | 261.6 | 341.4 | 96.3 | 65.8 | 30.2 | 327.2 | 83.0 | 53.7 | 656.2 | 1,259.2 | *341.4* | *327.2* |
| 1973 | 271.5 | 358.5 | 118.9 | 79.8 | 31.2 | 346.7 | 89.4 | 56.6 | 722.7 | 1,352.7 | *358.5* | *346.7* |
| 1974 | 283.9 | 339.6 | 117.0 | 67.2 | 28.5 | 341.6 | 88.9 | 54.4 | 697.6 | 1,321.1 | *339.6* | *341.6* |
| 1975 | 312.0 | 335.4 | 93.9 | 72.6 | 30.3 | 344.3 | 68.0 | 49.3 | 658.3 | 1,305.6 | *335.4* | *344.3* |
| 1976 | 347.6 | 268.4 | 118.0 | 74.8 | 33.4 | 359.3 | 88.5 | 60.9 | 734.8 | 1,350.8 | *268.4* | *359.3* |
| 1977 | 415.7 | 271.8 | 123.1 | 79.8 | 33.8 | 369.0 | 91.9 | 69.5 | 767.1 | 1,454.6 | *271.8* | *369.0* |
| 1978 | 434.4 | 286.0 | 111.2 | 86.0 | 31.9 | 381.1 | 77.1 | 78.3 | 765.7 | 1,486.1 | *286.0* | *381.1* |
| 1979 | 469.6 | 324.5 | 106.9 | 96.8 | 28.2 | 365.5 | 84.6 | 74.9 | 756.9 | 1,551.0 | *324.5* | *365.5* |
| 1980 | 521.5 | 325.3 | 113.2 | 92.6 | 27.3 | 344.1 | 56.8 | 73.3 | 707.3 | 1,554.1 | *325.3* | *344.1* |
| 1981 | 552.1 | 325.1 | 112.3 | 83.6 | 24.8 | 344.6 | 39.5 | 64.2 | 669.0 | 1,546.2 | *325.2* | *344.6* |
| 1982 | 535.4 | 303.3 | 107.0 | 85.0 | 23.0 | 346.9 | 33.9 | 58.8 | 654.7 | 1,493.5 | *303.5* | *346.9* |
| 1983 | 584.8 | 303.1 | 126.8 | 93.0 | 23.1 | 357.0 | 29.1 | 66.2 | 695.2 | 1,583.2 | *303.2* | *357.0* |
| 1984 | 681.5 | 315.3 | 136.6 | 94.4 | 22.2 | 375.4 | 36.8 | 73.4 | 738.9 | 1,735.7 | *315.3* | *375.4* |
| 1985 | 725.7 | 289.6 | 143.5 | 91.5 | 24.6 | 383.4 | 75.0 | 64.2 | 782.3 | 1,797.6 | *289.7* | *383.4* |
| 1986 | 692.5 | 286.5 | 145.3 | 100.1 | 23.1 | 404.3 | 22.8 | 72.9 | 768.5 | 1,747.5 | *286.6* | *404.3* |
| 1987 | 710.6 | 311.1 | 157.2 | 111.2 | 23.2 | 420.9 | 19.9 | 74.3 | 806.5 | 1,828.2 | *311.3* | *420.9* |
| 1988 | 699.0 | 330.9 | 167.8 | 114.6 | 24.6 | 438.7 | 19.6 | 74.9 | 840.2 | 1,870.0 | *331.1* | *438.7* |
| 1989 | 666.8 | 325.6 | 163.7 | 98.5 | 27.2 | 439.0 | 16.6 | 67.1 | 812.1 | 1,804.5 | *325.9* | *439.0* |
| 1990 | 714.1 | 319.2 | 168.5 | 104.2 | 21.8 | 436.8 | 21.9 | 80.1 | 833.3 | 1,866.6 | *319.4* | *436.8* |
| 1991 | 643.4 | 331.6 | 161.7 | 81.5 | 24.4 | 439.8 | 18.5 | 87.0 | 812.8 | 1,787.8 | *331.8* | *439.8* |
| 1992 | 613.1 | 351.4 | 160.6 | 70.0 | 26.0 | 440.8 | 42.7 | 89.5 | 829.6 | 1,794.1 | *351.5* | *440.8* |
| 1993 | 655.2 | 360.0 | 179.8 | 85.8 | 27.5 | 488.3 | 34.4 | 94.4 | 910.2 | 1,925.4 | *360.2* | *488.7* |
| 1994 | 685.8 | 351.9 | 181.2 | 95.9 | 27.4 | 488.9 | 29.7 | 94.4 | 917.4 | 1,955.1 | *352.0* | *489.0* |
| 1995 | 723.8 | 383.4 | 199.8 | 104.6 | 26.4 | 509.3 | 25.8 | 94.2 | 960.1 | 2,067.3 | *383.5* | *509.4* |
| 1996 | 723.1 | 393.4 | 235.5 | 98.0 | 27.1 | 527.1 | 30.0 | 84.8 | 1,002.6 | 2,119.1 | *393.5* | *527.1* |
| 1997 | 768.0 | 381.7 | 210.7 | 86.4 | 28.2 | 529.5 | 26.7 | 84.9 | 966.5 | 2,116.2 | *381.7* | *529.5* |
| 1998 | 767.4 | 378.5 | 218.5 | 85.9 | 22.4 | 557.0 | 14.9 | 90.9 | 989.5 | 2,135.4 | *378.6* | *557.0* |
| 1999 | 782.6 | 347.1 | 236.7 | 86.8 | 24.9 | 572.8 | 13.8 | 106.0 | 1,041.1 | 2,170.8 | *347.1* | *572.8* |
| 2000 | 819.5 | 421.3 | 248.1 | 74.0 | 32.9 | 578.9 | 17.0 | 90.2 | 1,041.1 | 2,281.9 | *421.3* | *578.9* |
| 2001 | 772.0 | 362.6 | 265.4 | 56.2 | 24.2 | 591.6 | 10.8 | 92.7 | 1,040.9 | 2,175.5 | *362.7* | *591.6* |
| 2002 | 807.1 | 393.1 | 244.3 | 42.1 | 24.6 | 608.7 | 23.3 | 93.8 | 1,036.8 | 2,237.1 | *393.1* | *608.7* |
| 2003 | 819.0 | 390.8 | 249.8 | 49.8 | 22.8 | 615.7 | 27.8 | 92.1 | 1,058.1 | 2,267.9 | *390.8* | *615.7* |
| 2004 | 835.0 | 406.4 | 266.4 | 52.0 | 23.5 | 629.7 | 42.5 | 103.5 | 1,117.7 | 2,359.1 | *406.4* | *629.7* |
| 2005 | 901.0 | 427.8 | 295.7 | 54.3 | 22.8 | R 635.8 | 48.1 | 99.9 | R 1,156.6 | R 2,485.4 | *427.8* | *638.1* |
| 2006 | 892.7 | 433.9 | 279.2 | 37.1 | 22.0 | R 625.0 | 62.5 | R 83.7 | R 1,109.6 | R 2,436.2 | *433.9* | *628.5* |
| 2007 | 934.8 | 453.9 | 265.8 | 38.1 | 20.6 | R 626.8 | 44.2 | R 82.9 | R 1,078.4 | R 2,467.1 | *453.9* | *631.9* |
| 2008 | 885.8 | R 436.5 | R 238.8 | 35.9 | 21.1 | R 575.4 | 50.8 | R 67.4 | R 989.5 | R 2,311.8 | R *436.5* | *602.5* |
| 2009 | 723.4 | 475.4 | 222.3 | 102.2 | 19.2 | 580.6 | 45.9 | 57.4 | 1,027.5 | 2,226.3 | *475.4* | *614.9* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Georgia (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 24.8 | 71.2 | NA | NA | 71.2 | 0.0 | NA | NA | 96.0 | 26.2 | 0.0 | 701.8 |
| 1965 | 0.0 | 33.8 | 74.2 | NA | NA | 74.2 | 0.0 | NA | NA | 108.0 | 46.4 | 0.0 | 918.2 |
| 1970 | 0.0 | 26.4 | 71.8 | NA | NA | 71.8 | 0.0 | NA | NA | 98.2 | R 93.0 | 0.0 | R 1,280.8 |
| 1971 | 0.0 | 34.6 | 74.4 | NA | NA | 74.4 | 0.0 | NA | NA | 109.0 | R 70.6 | 0.0 | R 1,351.2 |
| 1972 | 0.0 | 35.1 | 79.6 | NA | NA | 79.6 | 0.0 | NA | NA | 114.7 | R 64.3 | 0.0 | R 1,438.3 |
| 1973 | 0.0 | 44.0 | 81.6 | NA | NA | 81.6 | 0.0 | NA | NA | 125.6 | R 79.9 | 0.0 | R 1,558.2 |
| 1974 | 0.5 | 38.2 | 83.4 | NA | NA | 83.4 | 0.0 | NA | NA | 121.6 | R 55.6 | 0.0 | R 1,498.7 |
| 1975 | 34.1 | 45.1 | 78.3 | NA | NA | 78.3 | 0.0 | NA | NA | 123.4 | R 29.4 | 0.0 | R 1,492.5 |
| 1976 | 45.7 | 46.0 | 89.2 | NA | NA | 89.2 | 0.0 | NA | NA | 135.2 | R 28.5 | 0.0 | R 1,560.1 |
| 1977 | 40.0 | 42.1 | 94.0 | NA | NA | 94.0 | 0.0 | NA | NA | 136.1 | R 7.5 | 0.0 | R 1,638.3 |
| 1978 | 46.8 | 38.9 | 99.3 | NA | NA | 99.3 | 0.0 | NA | NA | 138.2 | R 23.0 | 0.0 | R 1,694.0 |
| 1979 | 55.4 | 45.9 | 103.3 | NA | NA | 103.3 | 0.0 | NA | NA | 149.1 | R -11.5 | 0.0 | R 1,744.0 |
| 1980 | 92.0 | 45.9 | 98.1 | NA | NA | 98.1 | 0.0 | NA | NA | 144.0 | R -57.8 | 0.0 | R 1,732.4 |
| 1981 | 79.8 | 24.3 | 98.4 | (s) | 0.0 | 98.4 | 0.0 | NA | NA | 122.7 | R -38.3 | 0.0 | R 1,710.4 |
| 1982 | 73.1 | 38.2 | 105.7 | (s) | 0.0 | 105.7 | 0.0 | NA | NA | 143.9 | R -19.0 | 0.0 | R 1,691.6 |
| 1983 | 84.8 | 43.3 | 107.8 | (s) | 0.0 | 107.8 | 0.0 | NA | 0.0 | 151.1 | R -60.2 | 0.0 | R 1,758.9 |
| 1984 | 59.3 | 43.2 | 116.3 | (s) | 0.0 | 116.3 | 0.0 | 0.0 | 0.0 | 159.5 | R -68.5 | 0.0 | R 1,886.0 |
| 1985 | 107.6 | 29.5 | 116.7 | 0.0 | 0.0 | 116.7 | 0.0 | 0.0 | 0.0 | 146.2 | R -109.7 | 0.0 | R 1,941.6 |
| 1986 | 76.6 | 22.5 | 119.2 | 0.0 | 0.0 | 119.2 | 0.0 | 0.0 | 0.0 | 141.7 | R 2.9 | 0.0 | R 1,968.7 |
| 1987 | 159.3 | 33.1 | 113.0 | 0.0 | 0.0 | 113.0 | 0.0 | 0.0 | 0.0 | 146.0 | R -69.6 | 0.0 | R 2,063.9 |
| 1988 | 160.6 | 21.3 | 117.4 | 0.1 | 0.0 | 117.4 | 0.0 | 0.0 | 0.0 | 138.7 | R -16.1 | 0.0 | R 2,153.3 |
| 1989 | 264.2 | 40.6 | 177.5 | 0.3 | 0.0 | R 177.8 | (s) | 0.1 | 0.0 | 218.6 | R -52.6 | 0.0 | R 2,234.6 |
| 1990 | 262.4 | 47.7 | 187.6 | 0.7 | 0.0 | R 188.3 | (s) | 0.1 | 0.0 | 236.2 | R -66.9 | 0.0 | R 2,298.3 |
| 1991 | 272.8 | 44.2 | 182.6 | 0.8 | 0.0 | 183.4 | (s) | 0.1 | 0.0 | 227.7 | R 2.2 | 0.0 | R 2,290.4 |
| 1992 | 293.1 | 50.8 | 183.5 | 0.2 | 0.0 | 183.7 | (s) | 0.1 | 0.0 | 234.7 | R 14.0 | 0.0 | R 2,335.9 |
| 1993 | 286.1 | 45.9 | 193.9 | 0.4 | 0.0 | 194.3 | (s) | 0.1 | 0.0 | 240.4 | R 43.7 | 0.0 | R 2,495.5 |
| 1994 | 302.3 | 44.7 | 196.0 | 0.1 | 0.0 | 196.1 | (s) | 0.1 | 0.0 | 240.9 | R 6.1 | 0.0 | R 2,504.5 |
| 1995 | 322.2 | 43.3 | 205.6 | (s) | 0.0 | 205.6 | (s) | 0.2 | 0.0 | 249.1 | R 16.3 | 0.0 | R 2,654.9 |
| 1996 | 314.3 | 48.4 | 208.3 | 0.0 | 0.0 | 208.3 | 0.1 | 0.2 | 0.0 | 256.9 | R 81.5 | 0.0 | R 2,771.7 |
| 1997 | 319.2 | 43.7 | 218.5 | 0.0 | 0.0 | 218.5 | 0.1 | 0.2 | 0.0 | 262.5 | R 33.6 | 0.0 | R 2,731.4 |
| 1998 | 329.2 | 53.4 | 202.9 | 0.0 | 0.0 | 202.9 | 0.1 | 0.2 | 0.0 | 256.6 | R 85.2 | 0.0 | R 2,806.3 |
| 1999 | 328.9 | 28.1 | 203.0 | 0.0 | 0.0 | 203.0 | 0.1 | 0.2 | 0.0 | 231.4 | R 126.2 | 0.0 | R 2,857.4 |
| 2000 | 338.7 | 25.3 | 196.9 | 0.0 | 0.0 | 196.9 | 0.1 | 0.2 | 0.0 | 222.5 | R 142.1 | 0.0 | R 2,985.2 |
| 2001 | 351.7 | 26.8 | 164.9 | 0.0 | 0.0 | 164.9 | 0.1 | 0.2 | 0.0 | 192.1 | R 153.9 | 0.0 | R 2,873.3 |
| 2002 | 324.8 | 27.6 | 255.7 | 0.0 | 0.0 | 255.7 | 0.1 | 0.3 | 0.0 | 283.7 | R 185.3 | 0.0 | R 3,030.9 |
| 2003 | 346.6 | 42.4 | 179.4 | 0.0 | 0.0 | 179.4 | 0.1 | 0.3 | 0.0 | 222.2 | R 147.9 | 0.0 | R 2,984.5 |
| 2004 | 351.9 | 37.0 | 189.4 | 0.0 | 0.0 | 189.4 | 0.1 | 0.3 | 0.0 | 226.8 | R 185.8 | 0.0 | R 3,123.6 |
| 2005 | 329.1 | 40.3 | R 175.3 | 2.4 | (s) | R 177.6 | 0.2 | 0.3 | 0.0 | R 218.4 | R 128.5 | 0.0 | R 3,161.4 |
| 2006 | 334.0 | 25.5 | R 181.4 | 3.4 | (s) | R 184.9 | 0.2 | 0.3 | 0.0 | R 210.8 | R 137.2 | 0.0 | R 3,118.3 |
| 2007 | 341.2 | 22.1 | R 178.1 | 5.1 | (s) | R 183.2 | 0.2 | 0.3 | 0.0 | R 205.8 | R 88.1 | 0.0 | R 3,102.2 |
| 2008 | 331.3 | 21.1 | R 148.0 | 27.1 | 1.4 | R 176.5 | 0.2 | 0.4 | 0.0 | R 198.3 | R 146.0 | 0.0 | R 2,987.4 |
| 2009 | 331.4 | 31.8 | 142.9 | 34.3 | 5.6 | 182.8 | 0.3 | 0.5 | 0.0 | 215.4 | 176.2 | 0.0 | 2,949.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 940 | 157 | 5,139 | 2,306 | 4,253 | 32,079 | 6,512 | 5,390 | 55,679 | 63 | – – | – – | – – | – – | 11,990 | – – | – – | – – |
| 1965 | 825 | 210 | 8,529 | 2,158 | 5,424 | 39,136 | 8,361 | 8,205 | 71,813 | 64 | – – | – – | – – | – – | 18,398 | – – | – – | – – |
| 1970 | 633 | 274 | 12,724 | 10,506 | 7,430 | 54,081 | 8,737 | 7,026 | 100,504 | 58 | – – | – – | – – | – – | 31,500 | – – | – – | – – |
| 1975 | 485 | 286 | 15,038 | 12,887 | 8,168 | 65,541 | 6,750 | 8,006 | 116,391 | 56 | – – | – – | – – | – – | 41,549 | – – | – – | – – |
| 1980 | 701 | 312 | 19,022 | 16,421 | 7,444 | 65,506 | 8,366 | 12,255 | 129,012 | 54 | – – | – – | – – | – – | 51,209 | – – | – – | – – |
| 1985 | 1,613 | 281 | 24,405 | 16,236 | 6,825 | 72,993 | 11,874 | 10,668 | 143,000 | 54 | – – | – – | – – | – – | 63,697 | – – | – – | – – |
| 1990 | 2,255 | 309 | 28,709 | 18,439 | 6,021 | 83,148 | 3,377 | 13,153 | 152,846 | 36 | – – | – – | – – | – – | 80,440 | – – | – – | – – |
| 1995 | 2,008 | 363 | 33,907 | 18,451 | 7,288 | 97,672 | 3,994 | 15,926 | 177,237 | 41 | – – | – – | – – | – – | 96,192 | – – | – – | – – |
| 2000 | 1,999 | 372 | 41,588 | 13,046 | 9,112 | 111,119 | 2,127 | 15,137 | 192,129 | 22 | – – | – – | – – | – – | 119,185 | – – | – – | – – |
| 2001 | 2,005 | 316 | 45,011 | 9,903 | 6,692 | 113,550 | 1,572 | 15,530 | 192,259 | 29 | – – | – – | – – | – – | 117,790 | – – | – – | – – |
| 2002 | 1,833 | 327 | 41,505 | 7,430 | 6,820 | 116,875 | 3,607 | 15,763 | 191,999 | 29 | – – | – – | – – | – – | 123,789 | – – | – – | – – |
| 2003 | 1,761 | 348 | 42,274 | 8,790 | 6,290 | 118,244 | 4,299 | 15,495 | 195,392 | 27 | – – | – – | – – | – – | 123,677 | – – | – – | – – |
| 2004 | 1,778 | 349 | 45,483 | 9,177 | 6,504 | 120,751 | 6,666 | 17,334 | 205,914 | 24 | – – | – – | – – | – – | 129,466 | – – | – – | – – |
| 2005 | 1,749 | 340 | 50,481 | 9,576 | 6,310 | 122,294 | 7,465 | 16,698 | 212,824 | 20 | – – | – – | – – | – – | 132,265 | – – | – – | – – |
| 2006 | 1,587 | 325 | 47,801 | 6,552 | 6,090 | 120,440 | 9,881 | 13,625 | 204,388 | 23 | – – | – – | – – | – – | 134,834 | – – | – – | – – |
| 2007 | 1,514 | 319 | 45,476 | 6,726 | 5,729 | 121,069 | 6,995 | 13,491 | 199,487 | 19 | – – | – – | – – | – – | 137,454 | – – | – – | – – |
| 2008 | 1,453 | 329 | 40,839 | 6,334 | 5,869 | 115,469 | 8,071 | 11,037 | 187,619 | 22 | – – | – – | – – | – – | 135,174 | – – | – – | – – |
| 2009 | 1,051 | 320 | 37,971 | 18,023 | 5,386 | 117,839 | 7,293 | 9,381 | 195,893 | 8 | – – | – – | – – | – – | 130,766 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 23.6 | 162.2 | 29.9 | 12.4 | 17.1 | 168.5 | 40.9 | 33.1 | 302.0 | 0.7 | 71.2 | NA | NA | NA | 40.9 | 600.6 | 101.2 | 701.8 |
| 1965 | 20.7 | 218.9 | 49.7 | 11.6 | 21.8 | 205.6 | 52.6 | 49.9 | 391.1 | 0.7 | 74.2 | NA | NA | NA | 62.8 | 768.3 | 149.9 | 918.2 |
| 1970 | 15.0 | 282.3 | 74.1 | 59.0 | 28.1 | 284.1 | 54.9 | 43.4 | 543.6 | 0.6 | 71.8 | NA | NA | NA | 107.5 | 1,020.8 | 260.0 | 1,280.8 |
| 1975 | 11.4 | 293.9 | 87.6 | 72.6 | 30.3 | 344.3 | 42.4 | 49.3 | 626.5 | 0.6 | 78.3 | NA | NA | NA | 141.8 | 1,152.5 | 340.1 | 1,492.5 |
| 1980 | 17.1 | 321.5 | 110.8 | 92.6 | 27.3 | 344.1 | 52.6 | 73.3 | 700.7 | 0.6 | 98.1 | NA | NA | NA | 174.7 | 1,312.6 | 419.7 | 1,732.4 |
| 1985 | 40.0 | 288.8 | 142.2 | 91.5 | 24.6 | 383.4 | 74.7 | 64.2 | 780.6 | 0.6 | 116.7 | 0.0 | NA | NA | 217.3 | 1,443.9 | 497.8 | 1,941.6 |
| 1990 | 56.7 | 317.4 | 167.2 | 104.2 | 21.8 | 436.8 | 21.2 | 80.1 | 831.3 | 0.4 | 187.6 | 0.0 | (s) | 0.1 | 274.5 | 1,668.6 | 629.8 | 2,298.3 |
| 1995 | 50.6 | 372.1 | 197.5 | 104.6 | 26.4 | 509.4 | 25.1 | 94.2 | 957.2 | 0.4 | 205.4 | 0.0 | (s) | 0.2 | 328.2 | 1,914.0 | 740.9 | 2,654.9 |
| 2000 | 51.3 | 378.6 | 242.3 | 74.0 | 32.9 | 578.9 | 13.4 | 90.2 | 1,031.6 | 0.2 | 196.8 | 0.0 | 0.1 | 0.2 | 406.7 | 2,065.4 | 919.7 | 2,985.2 |
| 2001 | 51.6 | 327.4 | 262.2 | 56.2 | 24.2 | 591.6 | 9.9 | 92.7 | 1,036.7 | 0.3 | 164.7 | 0.0 | 0.1 | 0.2 | 401.9 | 1,982.8 | 890.5 | 2,873.3 |
| 2002 | 47.5 | 335.3 | 241.8 | 42.1 | 24.6 | 608.7 | 22.7 | 93.8 | 1,033.7 | 0.3 | 255.5 | 0.0 | 0.1 | 0.3 | 422.4 | 2,095.0 | 936.0 | 3,030.9 |
| 2003 | 45.5 | 357.7 | 246.2 | 49.8 | 22.8 | 615.7 | 27.0 | 92.1 | 1,053.7 | 0.3 | 179.2 | 0.0 | 0.1 | 0.3 | 422.0 | 2,058.8 | 925.7 | 2,984.5 |
| 2004 | 45.6 | 359.1 | 264.9 | 52.0 | 23.5 | 629.7 | 41.9 | 103.5 | 1,115.7 | 0.2 | 189.2 | 0.0 | 0.1 | 0.3 | 441.7 | 2,152.0 | 971.6 | 3,123.6 |
| 2005 | 44.7 | 352.3 | 294.1 | 54.3 | 22.8 | 638.1 | 46.9 | 99.9 | 1,156.1 | 0.2 | 175.1 | (s) | 0.2 | 0.3 | 451.3 | 2,180.1 | 981.3 | 3,161.4 |
| 2006 | 40.7 | 334.7 | 278.4 | 37.1 | 22.0 | 628.5 | 62.1 | 83.7 | 1,111.8 | 0.2 | 181.2 | (s) | 0.2 | 0.3 | 460.1 | 2,129.3 | 989.0 | 3,118.3 |
| 2007 | 38.9 | 327.3 | 264.9 | 38.1 | 20.6 | 631.9 | 44.0 | 82.9 | 1,082.4 | 0.2 | 177.9 | (s) | 0.2 | 0.3 | 469.0 | 2,096.3 | 1,006.0 | 3,102.2 |
| 2008 | 36.7 | 336.8 | 237.9 | 35.9 | 21.1 | 602.5 | 50.7 | 67.4 | 1,015.6 | 0.2 | 147.6 | 1.4 | 0.2 | 0.4 | 461.2 | 2,000.2 | 987.2 | 2,987.4 |
| 2009 | 26.8 | 328.0 | 221.2 | 102.2 | 19.2 | 614.9 | 45.9 | 57.4 | 1,060.7 | 0.1 | 142.4 | 5.6 | 0.3 | 0.5 | 446.2 | 2,010.5 | 938.9 | 2,949.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 226 | 56 | 131 | 633 | 2,032 | 2,796 | 1,719 | – – | – – | 4,469 | – – | – – | – – |
| 1965 | 110 | 67 | 211 | 460 | 2,758 | 3,429 | 1,173 | – – | – – | 6,936 | – – | – – | – – |
| 1970 | 71 | 87 | 250 | 121 | 3,714 | 4,085 | 729 | – – | – – | 12,474 | – – | – – | – – |
| 1975 | 15 | 87 | 298 | 34 | 3,474 | 3,807 | 758 | – – | – – | 16,457 | – – | – – | – – |
| 1980 | 5 | 90 | 578 | 91 | 3,168 | 3,837 | 1,033 | – – | – – | 20,033 | – – | – – | – – |
| 1985 | 8 | 84 | 395 | 257 | 3,524 | 4,176 | 1,297 | – – | – – | 23,505 | – – | – – | – – |
| 1990 | 4 | 90 | 297 | 111 | 3,032 | 3,440 | 548 | – – | – – | 29,933 | – – | – – | – – |
| 1995 | 8 | 115 | 164 | 126 | 3,568 | 3,857 | 829 | – – | – – | 35,812 | – – | – – | – – |
| 1996 | (s) | 127 | 151 | 144 | 3,631 | 3,926 | 861 | – – | – – | 37,763 | – – | – – | – – |
| 1997 | 2 | 114 | 79 | 135 | 3,912 | 4,127 | 686 | – – | – – | 36,831 | – – | – – | – – |
| 1998 | 1 | 107 | 93 | 171 | 3,362 | 3,627 | 609 | – – | – – | 41,519 | – – | – – | – – |
| 1999 | 2 | 99 | 55 | 241 | 3,661 | 3,957 | 641 | – – | – – | 41,767 | – – | – – | – – |
| 2000 | 1 | 141 | 72 | 198 | 4,166 | 4,435 | 689 | – – | – – | 44,560 | – – | – – | – – |
| 2001 | 1 | 120 | 61 | 181 | 2,929 | 3,171 | 453 | – – | – – | 44,380 | – – | – – | – – |
| 2002 | 1 | 127 | 55 | 81 | 2,933 | 3,069 | 460 | – – | – – | 48,600 | – – | – – | – – |
| 2003 | 0 | 130 | 38 | 66 | 3,217 | 3,321 | 484 | – – | – – | 48,174 | – – | – – | – – |
| 2004 | 1 | 126 | 40 | 93 | 3,387 | 3,520 | 496 | – – | – – | 51,124 | – – | – – | – – |
| 2005 | 4 | 125 | 42 | 68 | 2,839 | 2,948 | R 325 | – – | – – | 52,827 | – – | – – | – – |
| 2006 | 0 | 110 | 31 | 63 | 2,560 | 2,654 | R 296 | – – | – – | 54,521 | – – | – – | – – |
| 2007 | (s) | 112 | 28 | 39 | 2,591 | 2,658 | R 326 | – – | – – | 56,223 | – – | – – | – – |
| 2008 | 1 | 119 | 30 | 19 | 2,898 | 2,947 | R 341 | – – | – – | 55,587 | – – | – – | – – |
| 2009 | 1 | 119 | 28 | 34 | 2,815 | 2,877 | 326 | – – | – – | 55,158 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 5.6 | 57.8 | 0.8 | 3.6 | 8.2 | 12.5 | 34.4 | NA | NA | 15.2 | 125.5 | 37.7 | 163.2 |
| 1965 | 2.7 | 69.9 | 1.2 | 2.6 | 11.1 | 14.9 | 23.5 | NA | NA | 23.7 | 134.6 | 56.5 | 191.1 |
| 1970 | 1.7 | 90.1 | 1.5 | 0.7 | 14.0 | 16.2 | 14.6 | NA | NA | 42.6 | 165.1 | 103.0 | R 268.0 |
| 1975 | 0.4 | 89.5 | 1.7 | 0.2 | 12.9 | 14.8 | 15.2 | NA | NA | 56.2 | 176.0 | R 134.7 | R 310.7 |
| 1980 | 0.1 | 93.1 | 3.4 | 0.5 | 11.6 | 15.5 | 20.7 | NA | NA | 68.4 | 197.8 | R 164.2 | R 362.0 |
| 1985 | 0.2 | 86.4 | 2.3 | 1.5 | 12.7 | 16.5 | 25.9 | NA | NA | 80.2 | 209.1 | R 183.7 | R 392.8 |
| 1990 | 0.1 | 92.7 | 1.7 | 0.6 | 11.0 | 13.3 | 11.0 | (s) | 0.1 | 102.1 | 219.3 | R 234.3 | R 453.7 |
| 1995 | 0.2 | 117.6 | 1.0 | 0.7 | 12.9 | 14.6 | 16.6 | (s) | 0.2 | 122.2 | 271.4 | R 275.8 | R 547.2 |
| 1996 | (s) | 130.0 | 0.9 | 0.8 | 13.1 | 14.8 | 17.2 | (s) | 0.2 | 128.8 | 291.1 | R 291.2 | R 582.2 |
| 1997 | (s) | 117.6 | 0.5 | 0.8 | 14.1 | 15.4 | 13.7 | 0.1 | 0.2 | 125.7 | 272.6 | R 282.9 | R 555.5 |
| 1998 | (s) | 110.3 | 0.5 | 1.0 | 12.2 | 13.7 | 12.2 | 0.1 | 0.2 | 141.7 | 278.1 | R 319.3 | R 597.4 |
| 1999 | 0.1 | 101.4 | 0.3 | 1.4 | 13.2 | 14.9 | 12.8 | 0.1 | 0.2 | 142.5 | 272.0 | R 324.0 | R 596.0 |
| 2000 | (s) | 143.4 | 0.4 | 1.1 | 15.0 | 16.6 | 13.8 | 0.1 | 0.2 | 152.0 | 326.1 | R 343.9 | R 670.0 |
| 2001 | (s) | 124.1 | 0.4 | 1.0 | 10.6 | 12.0 | 9.1 | 0.1 | 0.2 | 151.4 | 296.9 | R 335.5 | R 632.4 |
| 2002 | (s) | 129.9 | 0.3 | 0.5 | 10.6 | 11.4 | 9.2 | 0.1 | 0.3 | 165.8 | R 316.6 | R 367.5 | R 684.1 |
| 2003 | 0.0 | 133.7 | 0.2 | 0.4 | 11.7 | 12.3 | 9.7 | 0.1 | 0.3 | 164.4 | 320.4 | R 360.6 | R 681.0 |
| 2004 | (s) | 130.1 | 0.2 | 0.5 | 12.3 | 13.0 | 9.9 | 0.1 | 0.3 | 174.4 | 327.9 | R 383.7 | R 711.6 |
| 2005 | 0.1 | 128.9 | 0.2 | 0.4 | 10.3 | 10.9 | R 6.5 | 0.1 | 0.3 | 180.2 | R 327.1 | R 391.9 | R 719.0 |
| 2006 | 0.0 | 113.5 | 0.2 | 0.4 | 9.2 | 9.8 | R 5.9 | 0.1 | 0.3 | 186.0 | R 315.7 | R 399.9 | R 715.6 |
| 2007 | (s) | 114.7 | 0.2 | 0.2 | 9.3 | 9.7 | R 6.5 | 0.2 | 0.3 | 191.8 | R 323.2 | R 411.5 | R 734.7 |
| 2008 | (s) | 122.3 | 0.2 | 0.1 | 10.4 | 10.7 | R 6.8 | 0.2 | 0.4 | 189.7 | R 330.1 | R 405.9 | R 736.1 |
| 2009 | (s) | 121.4 | 0.2 | 0.2 | 10.0 | 10.4 | 6.5 | 0.3 | 0.5 | 188.2 | 327.2 | 396.0 | 723.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 157 | 21 | 373 | 206 | 649 | 269 | 59 | 1,554 | NA | – – | – – | 2,765 | – – | – – | – – |
| 1965 | 83 | 26 | 603 | 149 | 880 | 306 | 83 | 2,021 | NA | – – | – – | 4,560 | – – | – – | – – |
| 1970 | 56 | 39 | 713 | 39 | 1,186 | 349 | 108 | 2,396 | NA | – – | – – | 8,174 | – – | – – | – – |
| 1975 | 36 | 49 | 851 | 11 | 1,109 | 372 | 80 | 2,424 | NA | – – | – – | 11,226 | – – | – – | – – |
| 1980 | 17 | 59 | 315 | 12 | 1,012 | 363 | 10 | 1,712 | NA | – – | – – | 11,965 | – – | – – | – – |
| 1985 | 30 | 52 | 1,726 | 46 | 1,125 | 310 | 468 | 3,674 | NA | – – | – – | 17,009 | – – | – – | – – |
| 1990 | 18 | 49 | 1,510 | 64 | 968 | 519 | 68 | 3,129 | 0 | – – | – – | 23,715 | – – | – – | – – |
| 1995 | 52 | 57 | 1,453 | 35 | 1,139 | 62 | 11 | 2,700 | 0 | – – | – – | 28,793 | – – | – – | – – |
| 1996 | 3 | 61 | 1,156 | 31 | 1,159 | 62 | 11 | 2,419 | 0 | – – | – – | 30,273 | – – | – – | – – |
| 1997 | 15 | 57 | 869 | 28 | 1,249 | 632 | 6 | 2,784 | 0 | – – | – – | 31,352 | – – | – – | – – |
| 1998 | 10 | 55 | 716 | 27 | 1,073 | 155 | 1 | 1,973 | 0 | – – | – – | 34,026 | – – | – – | – – |
| 1999 | 15 | 44 | 1,211 | 37 | 1,169 | 142 | (s) | 2,560 | 0 | – – | – – | 35,536 | – – | – – | – – |
| 2000 | 8 | 59 | 1,238 | 41 | 1,330 | 223 | 5 | 2,836 | 0 | – – | – – | 38,443 | – – | – – | – – |
| 2001 | 10 | 51 | 1,611 | 61 | 935 | 78 | (s) | 2,686 | 0 | – – | – – | 39,364 | – – | – – | – – |
| 2002 | 5 | 49 | 1,027 | 47 | 936 | 68 | 0 | 2,078 | 0 | – – | – – | 40,401 | – – | – – | – – |
| 2003 | 0 | 50 | 914 | 48 | 934 | 68 | 11 | 1,974 | 0 | – – | – – | 40,554 | – – | – – | – – |
| 2004 | 6 | 55 | 1,077 | 21 | 1,141 | 68 | 0 | 2,308 | 0 | – – | – – | 42,316 | – – | – – | – – |
| 2005 | 45 | 53 | 844 | 25 | 848 | 69 | 0 | 1,785 | 0 | – – | – – | 44,663 | – – | – – | – – |
| 2006 | 0 | 48 | 813 | 7 | 844 | 71 | 0 | 1,736 | 0 | – – | – – | 45,547 | – – | – – | – – |
| 2007 | 2 | 49 | 835 | 13 | 845 | 72 | 0 | 1,766 | 0 | – – | – – | 46,997 | – – | – – | – – |
| 2008 | 11 | 52 | R 648 | 7 | 982 | 72 | 0 | R 1,709 | 0 | – – | – – | 46,876 | – – | – – | – – |
| 2009 | 6 | 54 | 967 | 6 | 780 | 72 | 11 | 1,836 | 0 | – – | – – | 46,080 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 3.9 | 22.1 | 2.2 | 1.2 | 2.6 | 1.4 | 0.4 | 7.7 | NA | 0.7 | NA | 9.4 | 43.8 | 23.3 | 67.2 |
| 1965 | 2.0 | 27.1 | 3.5 | 0.8 | 3.5 | 1.6 | 0.5 | 10.0 | NA | 0.4 | NA | 15.6 | 55.2 | R 37.1 | 92.3 |
| 1970 | 1.3 | 39.9 | 4.2 | 0.2 | 4.5 | 1.8 | 0.7 | 11.4 | NA | 0.3 | NA | 27.9 | 80.8 | 67.5 | R 148.2 |
| 1975 | 0.8 | 50.8 | 5.0 | 0.1 | 4.1 | 2.0 | 0.5 | 11.6 | NA | 0.3 | NA | 38.3 | 101.8 | R 91.9 | R 193.7 |
| 1980 | 0.4 | 60.6 | 1.8 | 0.1 | 3.7 | 1.9 | 0.1 | 7.6 | NA | 0.5 | NA | 40.8 | 110.0 | R 98.1 | R 208.1 |
| 1985 | 0.7 | 53.0 | 10.1 | 0.3 | 4.1 | 1.6 | 2.9 | 18.9 | NA | 0.6 | NA | 58.0 | 131.3 | R 132.9 | R 264.2 |
| 1990 | 0.4 | 50.8 | 8.8 | 0.4 | 3.5 | 2.7 | 0.4 | 15.8 | 0.0 | 1.2 | (s) | 80.9 | 149.2 | R 185.7 | R 334.8 |
| 1995 | 1.3 | 58.0 | 8.5 | 0.2 | 4.1 | 0.3 | 0.1 | 13.2 | 0.0 | 2.3 | (s) | 98.2 | 173.0 | R 221.8 | R 394.7 |
| 1996 | 0.1 | 62.8 | 6.7 | 0.2 | 4.2 | 0.3 | 0.1 | 11.5 | 0.0 | 2.4 | (s) | 103.3 | 180.0 | R 233.4 | R 413.4 |
| 1997 | 0.4 | 58.8 | 5.1 | 0.2 | 4.5 | 3.3 | (s) | 13.1 | 0.0 | 2.3 | (s) | 107.0 | 181.5 | R 240.8 | R 422.3 |
| 1998 | 0.2 | 56.9 | 4.2 | 0.2 | 3.9 | 0.8 | (s) | 9.0 | 0.0 | 2.0 | (s) | 116.1 | 184.3 | R 261.6 | R 445.9 |
| 1999 | 0.4 | 44.8 | 7.1 | 0.2 | 4.2 | 0.7 | (s) | 12.2 | 0.0 | 2.1 | (s) | 121.3 | 180.7 | R 275.6 | R 456.4 |
| 2000 | 0.2 | 59.9 | 7.2 | 0.2 | 4.8 | 1.2 | (s) | 13.4 | 0.0 | 2.3 | (s) | 131.2 | 206.9 | R 296.7 | R 503.6 |
| 2001 | 0.3 | 52.4 | 9.4 | 0.3 | 3.4 | 0.4 | (s) | 13.5 | 0.0 | 1.6 | (s) | 134.3 | 202.1 | R 297.6 | R 499.7 |
| 2002 | 0.1 | 49.9 | 6.0 | 0.3 | 3.4 | 0.4 | 0.0 | 10.0 | 0.0 | 1.6 | (s) | 137.8 | 199.5 | R 305.5 | R 504.9 |
| 2003 | 0.0 | 51.8 | 5.3 | 0.3 | 3.4 | 0.4 | 0.1 | 9.4 | 0.0 | 1.7 | (s) | 138.4 | 201.2 | R 303.5 | R 504.8 |
| 2004 | 0.2 | 56.6 | 6.3 | 0.1 | 4.1 | 0.4 | 0.0 | 10.9 | 0.0 | 1.7 | (s) | 144.4 | 213.7 | R 317.6 | R 531.3 |
| 2005 | 1.1 | 54.8 | 4.9 | 0.1 | 3.1 | 0.4 | 0.0 | 8.5 | 0.0 | R 1.0 | (s) | 152.4 | R 217.8 | R 331.4 | R 549.2 |
| 2006 | 0.0 | 49.6 | 4.7 | (s) | 3.0 | 0.4 | 0.0 | 8.2 | 0.0 | R 1.0 | (s) | 155.4 | R 214.1 | R 334.1 | R 548.2 |
| 2007 | (s) | 49.8 | 4.9 | 0.1 | 3.0 | 0.4 | 0.0 | 8.3 | 0.0 | R 1.0 | (s) | 160.4 | R 219.6 | R 344.0 | R 563.5 |
| 2008 | 0.3 | 52.8 | R 3.8 | (s) | 3.5 | 0.4 | 0.0 | 7.7 | 0.0 | R 1.1 | (s) | 159.9 | R 221.8 | R 342.3 | R 564.2 |
| 2009 | 0.2 | 54.9 | 5.6 | (s) | 2.8 | 0.4 | 0.1 | 8.9 | 0.0 | 1.3 | (s) | 157.2 | 222.5 | 330.9 | 553.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 548 | 76 | 2,043 | 1,507 | 936 | 4,909 | 3,759 | 13,153 | 63 | – – | – – | – – | 4,713 | – – | – – | – – |
| 1965 | 630 | 113 | 3,538 | 1,716 | 616 | 7,117 | 6,083 | 19,070 | 64 | – – | – – | – – | 6,903 | – – | – – | – – |
| 1970 | 506 | 141 | 4,014 | 2,430 | 124 | 8,457 | 5,717 | 20,741 | 58 | – – | – – | – – | 10,853 | – – | – – | – – |
| 1975 | 434 | 145 | 3,557 | 3,478 | 60 | 6,243 | 7,046 | 20,384 | 56 | – – | – – | – – | 13,866 | – – | – – | – – |
| 1980 | 679 | 155 | 3,993 | 3,188 | 26 | 5,361 | 11,148 | 23,717 | 54 | – – | – – | – – | 19,195 | – – | – – | – – |
| 1985 | 1,575 | 140 | 4,079 | 1,964 | 1,251 | 10,397 | 9,591 | 27,282 | 54 | – – | – – | – – | 23,122 | – – | – – | – – |
| 1990 | 2,232 | 162 | 4,833 | 1,916 | 1,288 | 2,002 | 12,150 | 22,189 | 36 | – – | – – | – – | 26,717 | – – | – – | – – |
| 1995 | 1,949 | 184 | 4,990 | 2,441 | 829 | 2,599 | 15,005 | 25,864 | 41 | – – | – – | – – | 31,493 | – – | – – | – – |
| 1996 | 1,985 | 182 | 5,484 | 2,579 | 907 | 3,445 | 13,287 | 25,702 | 41 | – – | – – | – – | 33,175 | – – | – – | – – |
| 1997 | 2,046 | 175 | 4,873 | 2,503 | 890 | 3,058 | 13,347 | 24,670 | 40 | – – | – – | – – | 33,957 | – – | – – | – – |
| 1998 | 1,978 | 164 | 5,246 | 1,711 | 954 | 1,209 | 14,253 | 23,373 | 26 | – – | – – | – – | 35,077 | – – | – – | – – |
| 1999 | 1,968 | 154 | 6,224 | 1,949 | 982 | 1,053 | 16,528 | 26,736 | 20 | – – | – – | – – | 35,255 | – – | – – | – – |
| 2000 | 1,990 | 166 | 6,475 | 3,498 | 981 | 1,300 | 14,147 | 26,401 | 22 | – – | – – | – – | 36,085 | – – | – – | – – |
| 2001 | 1,994 | 138 | 7,900 | 2,708 | 2,338 | 922 | 14,605 | 28,473 | 29 | – – | – – | – – | 33,941 | – – | – – | – – |
| 2002 | 1,828 | 143 | 6,556 | 2,823 | 2,387 | 1,812 | 14,937 | 28,515 | 29 | – – | – – | – – | 34,603 | – – | – – | – – |
| 2003 | 1,761 | 159 | 6,332 | 1,956 | 2,556 | 2,297 | 14,701 | 27,842 | 27 | – – | – – | – – | 34,768 | – – | – – | – – |
| 2004 | 1,771 | 161 | 6,167 | 1,788 | 2,811 | 2,853 | 16,464 | 30,084 | 24 | – – | – – | – – | 35,846 | – – | – – | – – |
| 2005 | 1,700 | 156 | 6,846 | 2,345 | 2,710 | 3,013 | 15,839 | 30,754 | 20 | – – | – – | – – | 34,602 | – – | – – | – – |
| 2006 | 1,587 | 160 | 5,896 | 2,427 | 2,808 | 1,912 | R 12,841 | R 25,885 | 23 | – – | – – | – – | 34,588 | – – | – – | – – |
| 2007 | 1,512 | 153 | 5,737 | 2,083 | 1,784 | 1,343 | R 12,730 | R 23,676 | 19 | – – | – – | – – | 34,054 | – – | – – | – – |
| 2008 | 1,441 | 151 | R 5,260 | R 1,604 | 1,654 | 767 | R 10,402 | R 19,687 | 22 | – – | – – | – – | 32,529 | – – | – – | – – |
| 2009 | 1,045 | 140 | 4,912 | 1,529 | 1,609 | 344 | 8,791 | 17,185 | 8 | – – | – – | – – | 29,348 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 13.9 | 78.6 | 11.9 | 6.0 | 4.9 | 30.9 | 23.8 | 77.6 | 0.7 | 36.2 | NA | NA | 16.1 | 223.0 | 39.8 | 262.8 |
| 1965 | 15.9 | 117.0 | 20.6 | 6.9 | 3.2 | 44.7 | 38.2 | 113.7 | 0.7 | 50.3 | NA | NA | 23.6 | 321.1 | 56.2 | R 377.3 |
| 1970 | 12.0 | 145.3 | 23.4 | 9.2 | 0.7 | 53.2 | 36.1 | 122.5 | 0.6 | 56.9 | NA | NA | 37.0 | 374.3 | 89.6 | R 463.9 |
| 1975 | 10.2 | 149.4 | 20.7 | 12.9 | 0.3 | 39.2 | 43.9 | 117.1 | 0.6 | 62.9 | NA | NA | 47.3 | 387.4 | R 113.5 | R 500.9 |
| 1980 | 16.5 | 160.1 | 23.3 | 11.7 | 0.1 | 33.7 | 67.0 | 135.8 | 0.6 | 76.9 | NA | NA | 65.5 | 455.4 | R 157.3 | R 612.8 |
| 1985 | 39.1 | 143.9 | 23.8 | 7.1 | 6.6 | 65.4 | 58.0 | 160.8 | 0.6 | 90.1 | 0.0 | NA | 78.9 | 513.3 | R 180.7 | R 694.0 |
| 1990 | 56.1 | 166.4 | 28.2 | 6.9 | 6.8 | 12.6 | 74.3 | 128.7 | 0.4 | 175.5 | 0.0 | 0.0 | 91.2 | 618.1 | R 209.2 | R 827.3 |
| 1995 | 49.1 | 188.5 | 29.1 | 8.8 | 4.3 | 16.3 | 88.9 | 147.4 | 0.4 | 186.5 | 0.0 | 0.0 | 107.5 | 679.3 | R 242.6 | R 921.9 |
| 1996 | 49.9 | 185.9 | 31.9 | 9.3 | 4.7 | 21.7 | 79.4 | 147.1 | 0.4 | 188.4 | 0.0 | 0.0 | 113.2 | 684.9 | R 255.8 | R 940.7 |
| 1997 | 51.3 | 179.6 | 28.4 | 9.0 | 4.6 | 19.2 | 79.4 | 140.7 | 0.4 | 201.0 | 0.0 | 0.0 | 115.9 | 688.9 | R 260.8 | R 949.7 |
| 1998 | 49.6 | 169.0 | 30.6 | 6.2 | 5.0 | 7.6 | 85.1 | 134.4 | 0.3 | 188.5 | 0.0 | 0.0 | 119.7 | 661.4 | R 269.7 | R 931.2 |
| 1999 | 49.4 | 158.0 | 36.3 | 7.0 | 5.1 | 6.6 | 99.7 | 154.7 | 0.2 | 187.8 | 0.0 | (s) | 120.3 | 670.4 | R 273.5 | R 943.9 |
| 2000 | 51.0 | 169.2 | 37.7 | 12.6 | 5.1 | 8.2 | 84.4 | 148.0 | 0.2 | 180.7 | 0.0 | (s) | 123.1 | 672.3 | R 278.5 | R 950.8 |
| 2001 | 51.3 | 142.7 | 46.0 | 9.8 | 12.2 | 5.8 | 87.3 | 161.1 | 0.3 | 154.0 | 0.0 | (s) | 115.8 | 625.1 | R 256.6 | R 881.7 |
| 2002 | 47.3 | 146.8 | 38.2 | 10.2 | 12.4 | 11.4 | 89.0 | 161.2 | 0.3 | 244.7 | 0.0 | (s) | 118.1 | 718.3 | R 261.6 | R 980.0 |
| 2003 | 45.5 | 164.1 | 36.9 | 7.1 | 13.3 | 14.4 | 87.4 | 159.2 | 0.3 | 167.8 | 0.0 | (s) | 118.6 | 655.5 | R 260.2 | R 915.7 |
| 2004 | 45.5 | 165.2 | 35.9 | 6.5 | 14.7 | 17.9 | 98.5 | 173.5 | 0.2 | 177.6 | 0.0 | (s) | 122.3 | 684.3 | R 269.0 | R 953.3 |
| 2005 | 43.5 | 161.7 | 39.9 | 8.5 | 14.1 | 18.9 | 94.9 | 176.4 | 0.2 | 167.5 | (s) | (s) | 118.1 | 667.4 | R 256.7 | R 924.1 |
| 2006 | 40.7 | 164.3 | 34.3 | 8.7 | 14.7 | 12.0 | R 79.2 | R 149.0 | 0.2 | R 174.3 | (s) | (s) | 118.0 | R 646.7 | R 253.7 | R 900.4 |
| 2007 | 38.9 | 156.5 | 33.4 | 7.5 | 9.3 | 8.4 | R 78.5 | R 137.1 | 0.2 | R 170.4 | (s) | (s) | 116.2 | R 619.3 | R 249.2 | R 868.5 |
| 2008 | 36.4 | 154.5 | R 30.6 | 5.8 | 8.6 | 4.8 | R 63.7 | R 113.5 | 0.2 | R 139.7 | 1.4 | (s) | 111.0 | R 556.7 | R 237.6 | R 794.3 |
| 2009 | 26.6 | 143.6 | 28.6 | 5.4 | 8.4 | 2.2 | 54.0 | 98.6 | 0.1 | 134.6 | 5.6 | (s) | 100.1 | 509.2 | 210.7 | 720.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 9 | 4 | 262 | 2,592 | 2,306 | 66 | 530 | 30,875 | 1,544 | 38,175 | 43 | – – | – – | – – |
| 1965 | 2 | 5 | 928 | 4,177 | 2,158 | 69 | 583 | 38,215 | 1,162 | 47,292 | 0 | – – | – – | – – |
| 1970 | 1 | 7 | 600 | 7,747 | 10,506 | 100 | 549 | 53,608 | 172 | 73,283 | 0 | – – | – – | – – |
| 1975 | (s) | 4 | 399 | 10,331 | 12,887 | 106 | 516 | 65,110 | 427 | 89,776 | 0 | – – | – – | – – |
| 1980 | 0 | 7 | 386 | 14,135 | 16,421 | 76 | 618 | 65,116 | 2,995 | 99,747 | 16 | – – | – – | – – |
| 1985 | 0 | 5 | 212 | 18,205 | 16,236 | 212 | 562 | 71,432 | 1,009 | 107,868 | 61 | – – | – – | – – |
| 1990 | 0 | 7 | 196 | 22,069 | 18,439 | 105 | 632 | 81,341 | 1,307 | 124,089 | 75 | – – | – – | – – |
| 1995 | 0 | 8 | 156 | 27,300 | 18,451 | 140 | 603 | 96,781 | 1,383 | 144,815 | 94 | – – | – – | – – |
| 1996 | 0 | 9 | 168 | 33,077 | 17,293 | 120 | 586 | 100,094 | 1,237 | 152,574 | 96 | – – | – – | – – |
| 1997 | 0 | 8 | 157 | 29,899 | 15,240 | 136 | 619 | 100,054 | 1,106 | 147,210 | 109 | – – | – – | – – |
| 1998 | 0 | 8 | 138 | 30,055 | 15,148 | 41 | 648 | 105,751 | 912 | 152,692 | 98 | – – | – – | – – |
| 1999 | 0 | 9 | 149 | 32,082 | 15,316 | 120 | 654 | 108,795 | 755 | 157,872 | 98 | – – | – – | – – |
| 2000 | 0 | 6 | 106 | 33,804 | 13,046 | 118 | 644 | 109,916 | 823 | 158,456 | 96 | – – | – – | – – |
| 2001 | 0 | 8 | 92 | 35,439 | 9,903 | 119 | 591 | 111,135 | 650 | 157,929 | 105 | – – | – – | – – |
| 2002 | 0 | 9 | 114 | 33,867 | 7,430 | 128 | 584 | 114,419 | 1,795 | 158,337 | 186 | – – | – – | – – |
| 2003 | 0 | 8 | 140 | 34,991 | 8,790 | 183 | 539 | 115,621 | 1,991 | 162,255 | 180 | – – | – – | – – |
| 2004 | 0 | 7 | 209 | 38,197 | 9,177 | 188 | 547 | 117,872 | 3,812 | 170,002 | 180 | – – | – – | – – |
| 2005 | 0 | 7 | 223 | 42,750 | 9,576 | 278 | 544 | 119,515 | 4,451 | 177,336 | 174 | – – | – – | – – |
| 2006 | 0 | 7 | 184 | 41,060 | 6,552 | 258 | 530 | 117,561 | 7,968 | 174,113 | 179 | – – | – – | – – |
| 2007 | 0 | 6 | 162 | 38,876 | 6,726 | 210 | 547 | 119,213 | 5,653 | 171,387 | 179 | – – | – – | – – |
| 2008 | 0 | 7 | 101 | R 34,902 | 6,334 | R 385 | 508 | 113,742 | 7,304 | R 163,275 | 182 | – – | – – | – – |
| 2009 | 0 | 8 | 94 | 32,063 | 18,023 | 262 | 457 | 116,158 | 6,938 | 173,994 | 179 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.2 | 3.7 | 1.3 | 15.1 | 12.4 | 0.3 | 3.2 | 162.2 | 9.7 | 204.2 | 0.1 | 208.2 | 0.4 | 208.6 |
| 1965 | 0.1 | 5.0 | 4.7 | 24.3 | 11.6 | 0.3 | 3.5 | 200.7 | 7.3 | 252.5 | 0.0 | 257.5 | 0.0 | 257.5 |
| 1970 | (s) | 7.1 | 3.0 | 45.1 | 59.0 | 0.4 | 3.3 | 281.6 | 1.1 | 393.5 | 0.0 | 400.6 | 0.0 | 400.6 |
| 1975 | (s) | 4.3 | 2.0 | 60.2 | 72.6 | 0.4 | 3.1 | 342.0 | 2.7 | 483.0 | 0.0 | 487.3 | 0.0 | 487.3 |
| 1980 | 0.0 | 7.6 | 1.9 | 82.3 | 92.6 | 0.3 | 3.7 | 342.1 | 18.8 | 541.8 | 0.1 | 549.4 | 0.1 | 549.6 |
| 1985 | 0.0 | 5.5 | 1.1 | 106.0 | 91.5 | 0.8 | 3.4 | 375.2 | 6.3 | 584.4 | 0.2 | 590.1 | 0.5 | 590.6 |
| 1990 | 0.0 | 7.5 | 1.0 | 128.6 | 104.2 | 0.4 | 3.8 | 427.3 | 8.2 | 673.4 | 0.3 | R 681.9 | 0.6 | 682.5 |
| 1995 | 0.0 | 8.0 | 0.8 | 159.0 | 104.6 | 0.5 | 3.7 | 504.7 | 8.7 | 782.0 | 0.3 | 790.3 | 0.7 | 791.1 |
| 1996 | 0.0 | 8.9 | 0.8 | 192.7 | 98.0 | 0.4 | 3.6 | 522.1 | 7.8 | 825.4 | 0.3 | 834.6 | 0.7 | 835.4 |
| 1997 | 0.0 | 8.5 | 0.8 | 174.2 | 86.4 | 0.5 | 3.8 | 521.6 | 7.0 | 794.1 | 0.4 | 803.0 | 0.8 | 803.9 |
| 1998 | 0.0 | 8.2 | 0.7 | 175.1 | 85.9 | 0.1 | 3.9 | 551.2 | 5.7 | 822.6 | 0.3 | 831.1 | 0.8 | 831.9 |
| 1999 | 0.0 | 9.5 | 0.8 | 186.9 | 86.8 | 0.4 | 4.0 | 566.9 | 4.7 | 850.6 | 0.3 | 860.4 | 0.8 | 861.2 |
| 2000 | 0.0 | 6.2 | 0.5 | 196.9 | 74.0 | 0.4 | 3.9 | 572.7 | 5.2 | 853.6 | 0.3 | 860.1 | 0.7 | 860.9 |
| 2001 | 0.0 | 8.2 | 0.5 | 206.4 | 56.2 | 0.4 | 3.6 | 579.0 | 4.1 | 850.2 | 0.4 | 858.7 | 0.8 | 859.5 |
| 2002 | 0.0 | 8.7 | 0.6 | 197.3 | 42.1 | 0.5 | 3.5 | 595.9 | 11.3 | 851.2 | 0.6 | 860.5 | 1.4 | 861.9 |
| 2003 | 0.0 | 8.1 | 0.7 | 203.8 | 49.8 | 0.7 | 3.3 | 602.0 | 12.5 | 872.9 | 0.6 | 881.6 | R 1.3 | 883.0 |
| 2004 | 0.0 | 7.2 | 1.1 | 222.5 | 52.0 | 0.7 | 3.3 | 614.7 | 24.0 | 918.3 | 0.6 | 926.0 | 1.4 | 927.4 |
| 2005 | 0.0 | 6.9 | 1.1 | 249.0 | 54.3 | 1.0 | 3.3 | 623.6 | 28.0 | 960.4 | 0.6 | 967.8 | 1.3 | 969.1 |
| 2006 | 0.0 | 7.3 | 0.9 | 239.2 | 37.1 | 0.9 | 3.2 | 613.4 | 50.1 | 944.9 | 0.6 | 952.8 | 1.3 | 954.1 |
| 2007 | 0.0 | 6.4 | 0.8 | 226.5 | 38.1 | 0.8 | 3.3 | 622.2 | 35.5 | 927.2 | 0.6 | 934.2 | 1.3 | 935.5 |
| 2008 | 0.0 | R 7.2 | 0.5 | R 203.3 | 35.9 | 1.4 | 3.1 | 593.5 | 45.9 | R 883.6 | 0.6 | R 891.5 | 1.3 | R 892.8 |
| 2009 | 0.0 | 8.1 | 0.5 | 186.8 | 102.2 | 0.9 | 2.8 | 606.1 | 43.6 | 942.9 | 0.6 | 951.6 | 1.3 | 952.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Georgia

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 2,608 | 25 | 39 | 1 | 0 | 40 | 0 | 2,243 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 5,291 | 1 | 52 | 2 | 0 | 54 | 0 | 3,170 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 7,498 | 59 | 1,542 | 58 | 0 | 1,600 | 0 | 2,461 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 12,656 | 40 | 4,059 | 1,077 | 0 | 5,136 | 3,093 | 4,278 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 21,191 | 4 | 670 | 415 | 0 | 1,085 | 8,436 | 4,369 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 28,285 | 1 | 57 | 235 | 0 | 292 | 10,130 | 2,772 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 27,812 | 2 | 115 | 218 | 0 | 333 | 24,797 | 4,553 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 29,280 | 11 | 109 | 386 | 0 | 495 | 30,661 | 4,156 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 29,170 | 6 | 84 | 559 | 0 | 643 | 29,925 | 4,638 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 30,784 | 17 | 81 | 458 | 0 | 539 | 30,414 | 4,239 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 30,731 | 33 | 245 | 1,400 | 0 | 1,645 | 31,380 | 5,209 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 31,506 | 33 | 391 | 1,065 | 0 | 1,456 | 31,478 | 2,731 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 33,150 | 42 | 583 | 1,009 | 0 | 1,591 | 32,473 | 2,459 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 30,891 | 35 | 153 | 543 | 0 | 696 | 33,682 | 2,567 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 32,637 | 57 | 93 | 441 | 0 | 534 | 31,108 | 2,687 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 33,350 | 32 | 130 | 614 | 0 | 744 | 33,257 | 4,113 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 36,094 | 46 | 87 | 250 | 0 | 337 | 33,748 | 3,668 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 39,137 | 72 | 184 | 287 | 0 | 470 | 31,534 | 4,012 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 38,890 | 95 | 56 | 136 | 0 | 192 | 32,006 | 2,546 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 40,803 | 122 | 34 | 159 | 0 | 193 | 32,545 | 2,217 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 39,296 | 96 | 7 | 164 | 0 | 172 | 31,691 | 2,123 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 32,785 | 142 | 4 | 190 | 0 | 194 | 31,683 | 3,252 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 65.3 | 26.2 | 0.2 | (s) | 0.0 | 0.3 | 0.0 | 24.1 | 0.0 | 0.0 | NA | NA | 0.0 | 115.9 |
| 1965 | 131.9 | 0.9 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 33.1 | 0.0 | 0.0 | NA | NA | 0.0 | 166.3 |
| 1970 | 178.1 | 60.5 | 9.7 | 0.3 | 0.0 | 10.0 | 0.0 | 25.8 | 0.0 | 0.0 | NA | NA | 0.0 | 274.5 |
| 1975 | 300.6 | 41.5 | 25.5 | 6.3 | 0.0 | 31.8 | 34.1 | 44.5 | 0.0 | 0.0 | NA | NA | 0.0 | 452.4 |
| 1980 | 504.5 | 3.8 | 4.2 | 2.4 | 0.0 | 6.6 | 92.0 | 45.4 | 0.0 | 0.0 | NA | NA | 0.0 | 652.3 |
| 1985 | 685.7 | 0.9 | 0.4 | 1.4 | 0.0 | 1.7 | 107.6 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 824.8 |
| 1990 | 657.4 | 2.0 | 0.7 | 1.3 | 0.0 | 2.0 | 262.4 | 47.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 971.2 |
| 1995 | 673.2 | 11.4 | 0.7 | 2.2 | 0.0 | 2.9 | 322.2 | 42.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,052.8 |
| 1996 | 673.1 | 5.9 | 0.5 | 3.3 | 0.0 | 3.8 | 314.3 | 48.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,045.3 |
| 1997 | 716.2 | 17.2 | 0.5 | 2.7 | 0.0 | 3.2 | 319.2 | 43.3 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,100.6 |
| 1998 | 717.5 | 34.2 | 1.5 | 8.2 | 0.0 | 9.7 | 329.2 | 53.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,144.0 |
| 1999 | 732.8 | 33.4 | 2.5 | 6.2 | 0.0 | 8.7 | 328.9 | 27.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,132.0 |
| 2000 | 768.3 | 42.7 | 3.7 | 5.9 | 0.0 | 9.5 | 338.7 | 25.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,184.4 |
| 2001 | 720.5 | 35.3 | 1.0 | 3.2 | 0.0 | 4.1 | 351.7 | 26.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,138.4 |
| 2002 | 759.7 | 57.8 | 0.6 | 2.6 | 0.0 | 3.2 | 324.8 | 27.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,173.0 |
| 2003 | 773.5 | 33.0 | 0.8 | 3.6 | 0.0 | 4.4 | 346.6 | 42.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,199.8 |
| 2004 | 789.4 | 47.3 | 0.5 | 1.5 | 0.0 | 2.0 | 351.9 | 36.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,227.5 |
| 2005 | 856.3 | 75.6 | 1.2 | 1.7 | 0.0 | 2.8 | 329.1 | 40.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,304.1 |
| 2006 | 852.0 | 99.2 | 0.4 | 0.8 | 0.0 | 1.1 | 334.0 | 25.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,311.8 |
| 2007 | 895.8 | 126.6 | 0.2 | 0.9 | 0.0 | 1.1 | 341.2 | 21.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,386.9 |
| 2008 | 849.1 | 99.7 | (s) | 1.0 | 0.0 | 1.0 | 331.3 | 20.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,302.4 |
| 2009 | 696.7 | 147.5 | (s) | 1.1 | 0.0 | 1.1 | 331.4 | 31.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,208.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Hawaii

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 0 | 0 | 886 | 4,321 | 112 | 3,429 | 4,766 | 3,331 | 16,844 | 0 | 27 | NA |
| 1965 | 0 | 0 | 1,612 | 7,618 | 219 | 4,082 | 7,230 | 1,717 | 22,478 | 0 | 105 | NA |
| 1970 | 0 | 0 | 1,695 | 14,273 | 938 | 5,691 | 10,154 | 1,354 | 34,105 | 0 | 108 | NA |
| 1971 | 0 | 0 | 1,709 | 16,302 | 963 | 5,872 | 10,701 | 1,186 | 36,734 | 0 | 89 | NA |
| 1972 | 0 | 0 | 1,776 | 16,244 | 945 | 6,202 | 11,338 | 1,248 | 37,753 | 0 | 91 | NA |
| 1973 | 0 | 0 | 1,837 | 16,511 | 942 | 6,608 | 11,575 | 1,354 | 38,826 | 0 | 95 | NA |
| 1974 | 0 | 0 | 1,951 | 14,887 | 966 | 6,543 | 11,122 | 1,270 | 36,739 | 0 | 92 | NA |
| 1975 | 0 | 0 | 1,948 | 14,849 | 872 | 6,766 | 11,255 | 1,408 | 37,097 | 0 | 89 | NA |
| 1976 | 0 | 0 | 2,337 | 14,202 | 1,036 | 7,029 | 11,871 | 1,570 | 38,047 | 0 | 93 | NA |
| 1977 | 0 | 0 | 2,865 | 14,875 | 877 | 7,406 | 12,695 | 1,608 | 40,326 | 0 | 86 | NA |
| 1978 | 0 | 0 | 3,567 | 14,861 | 702 | 7,639 | 12,556 | 1,620 | 40,945 | 0 | 84 | NA |
| 1979 | 0 | 0 | 6,567 | 15,276 | 1,583 | 7,506 | 12,167 | 1,560 | 44,660 | 0 | 90 | NA |
| 1980 | 0 | 3 | 5,987 | 14,116 | 1,573 | 7,231 | 13,196 | 1,459 | 43,562 | 0 | 86 | NA |
| 1981 | 0 | 3 | 6,021 | 10,028 | 1,337 | 7,185 | 13,160 | 1,080 | 38,811 | 0 | 80 | 4 |
| 1982 | 47 | 3 | 4,545 | 7,472 | 2,104 | 7,261 | 13,292 | 1,032 | 35,706 | 0 | 90 | 1 |
| 1983 | 42 | 3 | 2,326 | 11,271 | 2,102 | 7,240 | 12,148 | 1,204 | 36,291 | 0 | 84 | 0 |
| 1984 | 38 | 2 | 2,735 | 12,946 | 121 | 7,528 | 12,796 | 1,172 | 37,297 | 0 | 82 | 0 |
| 1985 | 46 | 2 | 4,526 | 13,260 | 133 | 7,594 | 13,185 | 1,308 | 40,006 | 0 | 86 | 0 |
| 1986 | 16 | 2 | 4,627 | 10,176 | 126 | 7,878 | 14,326 | 1,910 | 39,044 | 0 | 78 | 0 |
| 1987 | 63 | 3 | 3,685 | 11,481 | 157 | 8,186 | 13,595 | 2,287 | 39,389 | 0 | 82 | 0 |
| 1988 | 50 | 3 | 5,631 | 11,972 | 178 | 8,476 | 16,935 | 2,709 | 45,902 | 0 | 81 | 0 |
| 1989 | 32 | 3 | 5,745 | 13,239 | 186 | 8,754 | 17,355 | 2,742 | 48,021 | 0 | 56 | 0 |
| 1990 | 29 | 3 | 6,489 | 12,646 | 178 | 8,670 | 19,067 | 2,965 | 50,015 | 0 | 80 | 0 |
| 1991 | 45 | 3 | 7,210 | 11,123 | 214 | 8,970 | 15,599 | 2,641 | 45,758 | 0 | 71 | 0 |
| 1992 | 303 | 3 | 6,219 | 9,993 | 651 | 8,870 | 17,856 | 3,067 | 46,655 | 0 | 61 | 0 |
| 1993 | 691 | 3 | 5,929 | 8,891 | 884 | 9,060 | 13,845 | 2,782 | 41,392 | 0 | 56 | 0 |
| 1994 | 704 | 3 | 6,321 | 9,472 | 1,619 | 9,343 | 15,120 | 2,967 | 44,843 | 0 | 139 | 0 |
| 1995 | 895 | 3 | 5,787 | 9,940 | 1,316 | 9,416 | 14,473 | 2,909 | 43,842 | 0 | 98 | 0 |
| 1996 | 930 | 3 | 4,950 | 10,087 | 1,319 | 9,374 | 12,667 | 3,233 | 41,631 | 0 | 104 | 0 |
| 1997 | 933 | 3 | 4,640 | 10,221 | 241 | 9,358 | 12,218 | 3,152 | 39,829 | 0 | 115 | 0 |
| 1998 | 822 | 3 | 4,451 | 9,999 | 844 | 9,342 | 13,243 | 2,613 | 40,493 | 0 | 121 | 0 |
| 1999 | 801 | 3 | 5,314 | 9,474 | 376 | 8,953 | 12,945 | 2,601 | 39,662 | 0 | 115 | 0 |
| 2000 | 816 | 3 | 5,094 | 9,438 | 562 | 9,289 | 13,520 | 2,688 | 40,591 | 0 | 103 | 0 |
| 2001 | 829 | 3 | 6,040 | 8,895 | 582 | 9,710 | 13,284 | 2,969 | 41,479 | 0 | 101 | 0 |
| 2002 | 748 | 3 | 8,086 | 10,189 | 770 | 10,419 | 12,738 | 2,569 | 44,772 | 0 | 95 | 0 |
| 2003 | 837 | 3 | 8,031 | 12,708 | 492 | 10,597 | 12,079 | 2,779 | 46,686 | 0 | 91 | 0 |
| 2004 | 857 | 3 | 8,634 | 13,379 | 462 | 10,741 | 13,110 | 2,772 | 49,098 | 0 | 94 | 0 |
| 2005 | 805 | 3 | 7,307 | 16,372 | 432 | 10,978 | 13,210 | 2,968 | 51,267 | 0 | 96 | 341 |
| 2006 | 778 | 3 | 6,691 | 15,334 | 471 | 11,533 | 14,687 | R 2,847 | R 51,563 | 0 | 120 | 390 |
| 2007 | 850 | 3 | 9,294 | 12,756 | 419 | 11,348 | 16,318 | R 2,769 | R 52,904 | 0 | 92 | 497 |
| 2008 | 937 | 3 | R 5,665 | 10,702 | 674 | 10,675 | 12,465 | R 2,423 | R 42,604 | 0 | 84 | 918 |
| 2009 | 878 | 3 | 6,120 | 8,294 | 819 | 10,755 | 12,444 | 2,397 | 40,829 | 0 | 113 | 1,051 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 0.0 | 0.0 | 5.2 | 23.5 | 0.4 | 18.0 | 30.0 | 17.5 | 94.6 | 94.6 | *0.0* | *18.0* |
| 1965 | 0.0 | 0.0 | 9.4 | 42.3 | 0.9 | 21.4 | 45.5 | 9.9 | 129.3 | 129.3 | *0.0* | *21.4* |
| 1970 | 0.0 | 0.0 | 9.9 | 80.1 | 3.5 | 29.9 | 63.8 | 8.2 | 195.4 | 195.4 | *0.0* | *29.9* |
| 1971 | 0.0 | 0.0 | 10.0 | 91.5 | 3.6 | 30.8 | 67.3 | 7.1 | 210.4 | 210.4 | *0.0* | *30.8* |
| 1972 | 0.0 | 0.0 | 10.3 | 91.3 | 3.6 | 32.6 | 71.3 | 7.6 | 216.6 | 216.6 | *0.0* | *32.6* |
| 1973 | 0.0 | 0.0 | 10.7 | 92.9 | 3.5 | 34.7 | 72.8 | 8.2 | 222.8 | 222.8 | *0.0* | *34.7* |
| 1974 | 0.0 | 0.0 | 11.4 | 83.6 | 3.6 | 34.4 | 69.9 | 7.6 | 210.6 | 210.6 | *0.0* | *34.4* |
| 1975 | 0.0 | 0.0 | 11.3 | 83.5 | 3.2 | 35.5 | 70.8 | 8.6 | 212.9 | 212.9 | *0.0* | *35.5* |
| 1976 | 0.0 | 0.0 | 13.6 | 79.8 | 3.8 | 36.9 | 74.6 | 9.5 | 218.4 | 218.4 | *0.0* | *36.9* |
| 1977 | 0.0 | 0.0 | 16.7 | 83.6 | 3.2 | 38.9 | 79.8 | 9.7 | 231.9 | 231.9 | *0.0* | *38.9* |
| 1978 | 0.0 | 0.0 | 20.8 | 83.6 | 2.6 | 40.1 | 78.9 | 9.7 | 235.7 | 235.7 | *0.0* | *40.1* |
| 1979 | 0.0 | 0.0 | 38.3 | 85.9 | 5.8 | 39.4 | 76.5 | 9.4 | 255.3 | 255.3 | *0.0* | *39.4* |
| 1980 | 0.0 | 0.0 | 34.9 | 79.2 | 5.8 | 38.0 | 83.0 | 8.8 | 249.6 | 249.6 | *3.0* | *38.0* |
| 1981 | 0.0 | 0.0 | 35.1 | 56.2 | 4.9 | 37.7 | 82.7 | 6.6 | 223.2 | 223.2 | *2.8* | *37.7* |
| 1982 | 1.1 | 0.0 | 26.5 | 41.6 | 7.6 | 38.1 | 83.6 | 6.3 | 203.7 | 204.9 | *2.8* | *38.1* |
| 1983 | 1.0 | 0.0 | 13.6 | 62.5 | 7.6 | 38.0 | 76.4 | 7.3 | 205.4 | 206.4 | *2.7* | *38.0* |
| 1984 | 0.9 | 0.0 | 15.9 | 72.6 | 0.4 | 39.5 | 80.4 | 7.1 | 216.1 | 217.0 | *2.4* | *39.5* |
| 1985 | 1.1 | 0.0 | 26.4 | 74.4 | 0.5 | 39.9 | 82.9 | 8.0 | 232.1 | 233.2 | *2.7* | *39.9* |
| 1986 | 0.4 | 0.0 | 27.0 | 57.0 | 0.5 | 41.4 | 90.1 | 11.8 | 227.6 | 228.0 | *2.7* | *41.4* |
| 1987 | 1.6 | 0.2 | 21.5 | 64.4 | 0.6 | 43.0 | 85.5 | 14.0 | 228.9 | 230.6 | *2.8* | *43.0* |
| 1988 | 1.2 | 0.0 | 32.8 | 67.2 | 0.7 | 44.5 | 106.5 | 16.4 | 268.0 | 269.2 | *2.8* | *44.5* |
| 1989 | 0.8 | 0.0 | 33.5 | 74.4 | 0.7 | 46.0 | 109.1 | 16.4 | 280.1 | 280.9 | *2.9* | *46.0* |
| 1990 | 0.7 | 0.0 | 37.8 | 71.1 | 0.6 | 45.5 | 119.9 | 17.8 | 292.7 | 293.5 | *3.0* | *45.5* |
| 1991 | 1.1 | 0.0 | 42.0 | 62.6 | 0.8 | 47.1 | 98.1 | 16.0 | 266.5 | 267.6 | *2.9* | *47.1* |
| 1992 | 6.8 | 0.0 | 36.2 | 56.5 | 2.4 | 46.6 | 112.3 | 18.5 | 272.4 | 279.1 | *2.9* | *46.6* |
| 1993 | 15.6 | 0.0 | 34.5 | 50.4 | 3.2 | 47.6 | 87.0 | 16.9 | 239.7 | 255.3 | *2.8* | *47.6* |
| 1994 | 15.7 | 0.0 | 36.8 | 53.7 | 5.9 | 48.9 | 95.1 | 17.9 | 258.3 | 274.0 | *2.9* | *48.9* |
| 1995 | 19.9 | 0.0 | 33.7 | 56.4 | 4.8 | 49.1 | 91.0 | 17.6 | 252.6 | 272.5 | *2.9* | *49.1* |
| 1996 | 20.4 | 0.0 | 28.8 | 57.2 | 4.8 | 48.9 | 79.6 | 19.5 | 238.9 | 259.2 | *2.8* | *48.9* |
| 1997 | 20.5 | 0.0 | 27.0 | 58.0 | 0.9 | 48.8 | 76.8 | 19.1 | 230.5 | 251.0 | *2.7* | *48.8* |
| 1998 | 18.2 | 0.0 | 25.9 | 56.7 | 3.1 | 48.7 | 83.3 | 15.9 | 233.5 | 251.7 | *2.8* | *48.7* |
| 1999 | 17.7 | 0.0 | 31.0 | 53.7 | 1.4 | 46.7 | 81.4 | 15.9 | 229.9 | 247.6 | *2.9* | *46.7* |
| 2000 | 17.7 | 0.1 | 29.7 | 53.5 | 2.0 | 48.4 | 85.0 | 16.6 | 235.2 | 252.9 | *3.0* | *48.4* |
| 2001 | 17.8 | 0.1 | 35.2 | 50.4 | 2.1 | 50.6 | 83.5 | 18.0 | 239.8 | 257.7 | *2.9* | *50.6* |
| 2002 | 16.6 | 0.1 | 47.1 | 57.8 | 2.8 | 54.3 | 80.1 | 15.5 | 257.5 | 274.3 | *2.9* | *54.3* |
| 2003 | 19.3 | 0.1 | 46.8 | 72.1 | 1.8 | 55.2 | 75.9 | 16.7 | 268.5 | 287.9 | *2.9* | *55.2* |
| 2004 | 19.3 | 0.2 | 50.3 | 75.9 | 1.7 | 56.0 | 82.4 | 16.7 | 283.0 | 302.4 | *2.9* | *56.0* |
| 2005 | 18.0 | 0.2 | 42.6 | 92.8 | 1.6 | 56.1 | 83.0 | 17.9 | 294.0 | R 312.2 | *2.9* | *57.3* |
| 2006 | 17.5 | 0.2 | 39.0 | 86.9 | 1.7 | 58.8 | 92.3 | 17.0 | R 295.8 | R 313.5 | *2.9* | *60.2* |
| 2007 | 19.0 | 0.2 | 54.1 | 72.3 | 1.5 | 57.5 | 102.6 | R 16.6 | R 304.6 | R 323.8 | *3.0* | *59.2* |
| 2008 | 20.2 | 0.1 | R 33.0 | 60.7 | 2.4 | R 52.5 | 78.4 | 14.5 | R 241.5 | R 261.8 | *2.8* | *55.7* |
| 2009 | 19.0 | 0.2 | 35.6 | 47.0 | 2.9 | 52.5 | 78.2 | 14.4 | 230.7 | 249.8 | *2.7* | *56.1* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.3 | 0.0 | NA | NA | 0.0 | 0.0 | NA | NA | 0.3 | 0.0 | 0.0 | 94.9 |
| 1965 | 0.0 | 1.1 | 0.2 | NA | NA | 0.2 | 0.0 | NA | NA | 1.3 | 0.0 | 0.0 | 130.6 |
| 1970 | 0.0 | 1.1 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 1.6 | 0.0 | 0.0 | 197.0 |
| 1971 | 0.0 | 0.9 | 0.3 | NA | NA | 0.3 | 0.0 | NA | NA | 1.3 | 0.0 | 0.0 | 211.7 |
| 1972 | 0.0 | 0.9 | 0.6 | NA | NA | 0.6 | 0.0 | NA | NA | 1.5 | 0.0 | 0.0 | 218.1 |
| 1973 | 0.0 | 1.0 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 1.5 | 0.0 | 0.0 | 224.3 |
| 1974 | 0.0 | 1.0 | 0.6 | NA | NA | 0.6 | 0.0 | NA | NA | 1.5 | 0.0 | 0.0 | 212.1 |
| 1975 | 0.0 | 0.9 | 0.6 | NA | NA | 0.6 | 0.0 | NA | NA | 1.5 | 0.0 | 0.0 | 214.4 |
| 1976 | 0.0 | 1.0 | 0.7 | NA | NA | 0.7 | 0.0 | NA | NA | 1.7 | 0.0 | 0.0 | 220.0 |
| 1977 | 0.0 | 0.9 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 1.4 | 0.0 | 0.0 | 233.3 |
| 1978 | 0.0 | 0.9 | 0.3 | NA | NA | 0.3 | 0.0 | NA | NA | 1.1 | 0.0 | 0.0 | 236.9 |
| 1979 | 0.0 | 0.9 | 0.3 | NA | NA | 0.3 | 0.0 | NA | NA | 1.3 | 0.0 | 0.0 | 256.6 |
| 1980 | 0.0 | 0.9 | 11.9 | NA | NA | 11.9 | 0.0 | NA | NA | 12.8 | 0.0 | 0.0 | 262.4 |
| 1981 | 0.0 | 0.8 | 12.7 | (s) | 0.0 | 12.7 | 0.0 | NA | NA | 13.6 | 0.0 | 0.0 | 236.7 |
| 1982 | 0.0 | 0.9 | 12.4 | (s) | 0.0 | 12.4 | 0.0 | NA | NA | 13.4 | 0.0 | 0.0 | 218.3 |
| 1983 | 0.0 | 0.9 | 14.0 | 0.0 | 0.0 | 14.0 | 0.0 | NA | 0.0 | 14.9 | 0.0 | 0.0 | 221.3 |
| 1984 | 0.0 | 0.9 | 14.3 | 0.0 | 0.0 | 14.3 | R 0.2 | 0.0 | 0.0 | R 15.4 | 0.0 | 0.0 | R 232.4 |
| 1985 | 0.0 | 0.9 | 14.2 | 0.0 | 0.0 | 14.2 | R 0.2 | 0.0 | 0.0 | R 15.3 | 0.0 | 0.0 | R 248.5 |
| 1986 | 0.0 | 0.8 | 16.3 | 0.0 | 0.0 | 16.3 | R 0.2 | 0.0 | 0.0 | R 17.3 | 0.0 | 0.0 | R 245.3 |
| 1987 | 0.0 | 0.9 | 17.8 | 0.0 | 0.0 | 17.8 | R 0.1 | 0.0 | 0.0 | R 18.8 | 0.0 | 0.0 | R 249.4 |
| 1988 | 0.0 | 0.8 | 19.4 | 0.0 | 0.0 | 19.4 | R 0.2 | 0.0 | 0.0 | R 20.4 | 0.0 | 0.0 | R 289.7 |
| 1989 | 0.0 | 0.6 | 27.0 | 0.0 | 0.0 | 27.0 | R 0.1 | 0.8 | 0.3 | R 28.9 | 0.0 | 0.0 | R 309.8 |
| 1990 | 0.0 | 0.8 | 25.9 | 0.0 | 0.0 | 25.9 | (s) | 0.9 | 0.3 | 28.0 | 0.0 | 0.0 | 321.4 |
| 1991 | 0.0 | 0.7 | 25.4 | 0.0 | 0.0 | 25.4 | (s) | 1.0 | 0.4 | 27.5 | 0.0 | 0.0 | 295.1 |
| 1992 | 0.0 | 0.6 | 24.9 | 0.0 | 0.0 | 24.9 | (s) | 1.0 | 0.2 | 26.8 | 0.0 | 0.0 | 306.0 |
| 1993 | 0.0 | 0.6 | 24.4 | 0.0 | 0.0 | 24.4 | R 1.6 | 1.1 | 0.2 | R 27.8 | 0.0 | 0.0 | R 283.1 |
| 1994 | 0.0 | 1.4 | 20.7 | 0.0 | 0.0 | 20.7 | R 1.9 | R 1.1 | 0.2 | R 25.4 | 0.0 | 0.0 | R 299.4 |
| 1995 | 0.0 | 1.0 | 19.8 | 0.0 | 0.0 | 19.8 | R 2.4 | 1.2 | 0.2 | R 24.6 | 0.0 | 0.0 | R 297.1 |
| 1996 | 0.0 | 1.1 | 19.1 | 0.0 | 0.0 | 19.1 | R 2.5 | R 1.2 | 0.2 | R 24.1 | 0.0 | 0.0 | R 283.3 |
| 1997 | 0.0 | 1.2 | 17.4 | 0.0 | 0.0 | 17.4 | R 2.5 | 1.3 | 0.2 | R 22.5 | 0.0 | 0.0 | R 273.6 |
| 1998 | 0.0 | 1.2 | 16.5 | 0.0 | 0.0 | 16.5 | R 2.4 | 1.3 | 0.2 | R 21.7 | 0.0 | 0.0 | R 273.4 |
| 1999 | 0.0 | 1.2 | 17.0 | 0.0 | 0.0 | 17.0 | R 2.2 | R 1.3 | 0.2 | R 21.8 | 0.0 | 0.0 | R 269.4 |
| 2000 | 0.0 | 1.1 | 15.2 | 0.0 | 0.0 | 15.2 | R 2.7 | R 1.3 | 0.2 | R 20.4 | 0.0 | 0.0 | R 273.4 |
| 2001 | 0.0 | 1.0 | 7.9 | 0.0 | 0.0 | 7.9 | R 2.1 | 1.3 | (s) | R 12.5 | 0.0 | 0.0 | R 270.2 |
| 2002 | 0.0 | 1.0 | 7.5 | 0.0 | 0.0 | 7.5 | R 0.7 | R 1.3 | (s) | R 10.5 | 0.0 | 0.0 | R 284.8 |
| 2003 | 0.0 | 0.9 | 9.3 | 0.0 | 0.0 | 9.3 | R 1.8 | 1.4 | (s) | R 13.5 | 0.0 | 0.0 | R 301.3 |
| 2004 | 0.0 | 0.9 | 9.3 | 0.0 | 0.0 | 9.3 | R 2.1 | R 1.4 | 0.1 | R 13.9 | 0.0 | 0.0 | R 316.3 |
| 2005 | 0.0 | 1.0 | R 8.4 | 1.2 | 0.0 | R 9.6 | R 2.2 | R 1.5 | 0.1 | R 14.3 | 0.0 | 0.0 | R 326.5 |
| 2006 | 0.0 | 1.2 | R 8.5 | 1.4 | 0.0 | R 9.9 | R 2.1 | R 1.7 | 0.8 | R 15.6 | 0.0 | 0.0 | R 329.2 |
| 2007 | 0.0 | 0.9 | R 8.0 | 1.7 | 0.0 | R 9.7 | R 2.3 | R 1.9 | 2.4 | R 17.1 | 0.0 | 0.0 | R 341.0 |
| 2008 | 0.0 | 0.8 | R 8.6 | 3.2 | 0.0 | R 11.8 | R 2.3 | R 2.4 | 2.4 | R 19.7 | 0.0 | 0.0 | R 281.5 |
| 2009 | 0.0 | 1.1 | 8.4 | 3.6 | 0.0 | 12.0 | 1.6 | 2.8 | 2.5 | 20.0 | 0.0 | 0.0 | 269.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 0 | 0 | 849 | 4,321 | 112 | 3,429 | 2,047 | 3,331 | 14,088 | 0 | – – | – – | – – | – – | 1,285 | – – | – – | – – |
| 1965 | 0 | 0 | 1,551 | 7,618 | 219 | 4,082 | 2,938 | 1,717 | 18,125 | 83 | – – | – – | – – | – – | 2,452 | – – | – – | – – |
| 1970 | 0 | 0 | 1,599 | 14,273 | 938 | 5,691 | 3,452 | 1,354 | 27,307 | 86 | – – | – – | – – | – – | 3,776 | – – | – – | – – |
| 1975 | 0 | 0 | 1,519 | 14,849 | 872 | 6,766 | 2,374 | 1,408 | 27,788 | 71 | – – | – – | – – | – – | 5,310 | – – | – – | – – |
| 1980 | 0 | 3 | 5,099 | 14,116 | 1,573 | 7,231 | 2,957 | 1,459 | 32,436 | 67 | – – | – – | – – | – – | 6,331 | – – | – – | – – |
| 1985 | 46 | 2 | 3,774 | 13,260 | 133 | 7,594 | 2,890 | 1,308 | 28,959 | 67 | – – | – – | – – | – – | 6,635 | – – | – – | – – |
| 1990 | 28 | 3 | 4,675 | 12,646 | 178 | 8,670 | 5,222 | 2,965 | 34,357 | 57 | – – | – – | – – | – – | 8,311 | – – | – – | – – |
| 1995 | 192 | 3 | 3,576 | 9,940 | 1,316 | 9,416 | 3,764 | 2,909 | 30,922 | 64 | – – | – – | – – | – – | 9,188 | – – | – – | – – |
| 2000 | 110 | 3 | 2,319 | 9,438 | 562 | 9,289 | 2,672 | 2,688 | 26,968 | 60 | – – | – – | – – | – – | 9,691 | – – | – – | – – |
| 2001 | 113 | 3 | 3,064 | 8,895 | 582 | 9,710 | 2,671 | 2,969 | 27,891 | 50 | – – | – – | – – | – – | 9,785 | – – | – – | – – |
| 2002 | 50 | 3 | 4,099 | 10,189 | 770 | 10,419 | 1,883 | 2,569 | 29,930 | 60 | – – | – – | – – | – – | 9,892 | – – | – – | – – |
| 2003 | 52 | 3 | 5,734 | 12,708 | 492 | 10,597 | 1,277 | 2,779 | 33,588 | 50 | – – | – – | – – | – – | 10,391 | – – | – – | – – |
| 2004 | 53 | 3 | 6,148 | 13,379 | 462 | 10,741 | 1,892 | 2,772 | 35,394 | 37 | – – | – – | – – | – – | 10,732 | – – | – – | – – |
| 2005 | 59 | 3 | 4,723 | 16,372 | 432 | 10,978 | 1,905 | 2,968 | 37,379 | 34 | – – | – – | – – | – – | 10,539 | – – | – – | – – |
| 2006 | 59 | 3 | 4,238 | 15,334 | 471 | 11,533 | 3,188 | 2,847 | 37,610 | 38 | – – | – – | – – | – – | 10,568 | – – | – – | – – |
| 2007 | 72 | 3 | 6,981 | 12,756 | 419 | 11,348 | 4,893 | 2,769 | 39,166 | 38 | – – | – – | – – | – – | 10,585 | – – | – – | – – |
| 2008 | 99 | 3 | 3,466 | 10,702 | 674 | 10,675 | 1,455 | 2,423 | 29,395 | 39 | – – | – – | – – | – – | 10,390 | – – | – – | – – |
| 2009 | 88 | 3 | 3,870 | 8,294 | 819 | 10,755 | 1,739 | 2,397 | 27,875 | 35 | – – | – – | – – | – – | 10,126 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.0 | 0.0 | 4.9 | 23.5 | 0.4 | 18.0 | 12.9 | 17.5 | 77.3 | 0.0 | 0.0 | NA | NA | NA | 4.4 | 81.6 | 13.2 | 94.9 |
| 1965 | 0.0 | 0.0 | 9.0 | 42.3 | 0.9 | 21.4 | 18.5 | 9.9 | 102.0 | 0.9 | 0.2 | NA | NA | NA | 8.4 | 111.4 | 19.2 | 130.6 |
| 1970 | 0.0 | 0.0 | 9.3 | 80.1 | 3.5 | 29.9 | 21.7 | 8.2 | 152.7 | 0.9 | 0.2 | NA | NA | NA | 12.9 | 166.7 | 30.3 | 197.0 |
| 1975 | 0.0 | 0.0 | 8.8 | 83.5 | 3.2 | 35.5 | 14.9 | 8.6 | 154.6 | 0.7 | 0.3 | NA | NA | NA | 18.1 | 173.8 | 40.7 | 214.4 |
| 1980 | 0.0 | 3.0 | 29.7 | 79.2 | 5.8 | 38.0 | 18.6 | 8.8 | 180.1 | 0.7 | 11.9 | NA | NA | NA | 21.6 | 214.3 | 48.1 | 262.4 |
| 1985 | 1.1 | 2.7 | 22.0 | 74.4 | 0.5 | 39.9 | 18.2 | 8.0 | 163.0 | 0.7 | 14.0 | 0.0 | NA | NA | 22.6 | 201.4 | 47.1 | 248.5 |
| 1990 | 0.7 | 3.0 | 27.2 | 71.1 | 0.6 | 45.5 | 32.8 | 17.8 | 195.1 | 0.6 | 18.2 | 0.0 | (s) | 0.9 | 28.4 | 243.8 | 77.6 | 321.4 |
| 1995 | 4.1 | 2.9 | 20.8 | 56.4 | 4.8 | 49.1 | 23.7 | 17.6 | 172.3 | 0.7 | 13.3 | 0.0 | (s) | 1.2 | 31.3 | 222.9 | 74.2 | 297.1 |
| 2000 | 2.1 | 3.0 | 13.5 | 53.5 | 2.0 | 48.4 | 16.8 | 16.6 | 150.8 | 0.6 | 9.9 | 0.0 | (s) | 1.3 | 33.1 | 197.9 | 75.4 | 273.4 |
| 2001 | 2.0 | 2.9 | 17.9 | 50.4 | 2.1 | 50.6 | 16.8 | 18.0 | 155.8 | 0.5 | 5.1 | 0.0 | (s) | 1.3 | 33.4 | 198.3 | 71.9 | 270.2 |
| 2002 | 0.7 | 2.9 | 23.9 | 57.8 | 2.8 | 54.3 | 11.8 | 15.5 | 166.0 | 0.6 | 5.1 | 0.0 | (s) | 1.3 | 33.8 | 207.6 | 77.2 | 284.8 |
| 2003 | 1.4 | 2.9 | 33.4 | 72.1 | 1.8 | 55.2 | 8.0 | 16.7 | 187.2 | 0.5 | 1.7 | 0.0 | (s) | 1.4 | 35.5 | 227.7 | 73.6 | 301.3 |
| 2004 | 1.3 | 2.9 | 35.8 | 75.9 | 1.7 | 56.0 | 11.9 | 16.7 | 197.9 | 0.4 | 4.3 | 0.0 | (s) | 1.4 | 36.6 | 242.1 | 74.2 | 316.3 |
| 2005 | 1.4 | 2.9 | 27.5 | 92.8 | 1.6 | 57.3 | 12.0 | 17.9 | 209.1 | 0.3 | 4.2 | 0.0 | (s) | 1.5 | 36.0 | 252.6 | 73.8 | 326.5 |
| 2006 | 1.6 | 2.9 | 24.7 | 86.9 | 1.7 | 60.2 | 20.0 | 17.0 | 210.6 | 0.4 | 4.1 | 0.0 | (s) | 1.7 | 36.1 | 254.6 | 74.6 | 329.2 |
| 2007 | 1.8 | 3.0 | 40.7 | 72.3 | 1.5 | 59.2 | 30.8 | 16.6 | 221.1 | 0.4 | 3.8 | 0.0 | (s) | 1.9 | 36.1 | 265.3 | 75.7 | 341.0 |
| 2008 | 2.3 | 2.8 | 20.2 | 60.7 | 2.4 | 55.7 | 9.2 | 14.5 | 162.7 | 0.4 | 4.6 | 0.0 | (s) | 2.4 | 35.5 | 208.0 | 73.5 | 281.5 |
| 2009 | 2.0 | 2.7 | 22.5 | 47.0 | 2.9 | 56.1 | 10.9 | 14.4 | 153.9 | 0.3 | 5.0 | 0.0 | (s) | 2.8 | 34.6 | 198.8 | 71.0 | 269.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 0 | (s) | 0 | 25 | 26 | 0 | – – | – – | 514 | – – | – – | – – |
| 1965 | 0 | 0 | 1 | 0 | 50 | 51 | 0 | – – | – – | 861 | – – | – – | – – |
| 1970 | 0 | 0 | 1 | 0 | 198 | 200 | 0 | – – | – – | 1,285 | – – | – – | – – |
| 1975 | 0 | 0 | 1 | 0 | 142 | 143 | 0 | – – | – – | 1,663 | – – | – – | – – |
| 1980 | 0 | 1 | 1 | 0 | 191 | 192 | 0 | – – | – – | 1,841 | – – | – – | – – |
| 1985 | 0 | 1 | (s) | 0 | 45 | 45 | 0 | – – | – – | 1,879 | – – | – – | – – |
| 1990 | 0 | 1 | (s) | 0 | 57 | 57 | 0 | – – | – – | 2,324 | – – | – – | – – |
| 1995 | 0 | 1 | 2 | (s) | 38 | 40 | 0 | – – | – – | 2,606 | – – | – – | – – |
| 1996 | 0 | 1 | (s) | (s) | 48 | 48 | 0 | – – | – – | 2,676 | – – | – – | – – |
| 1997 | 0 | 1 | (s) | (s) | 88 | 88 | 0 | – – | – – | 2,668 | – – | – – | – – |
| 1998 | 0 | 1 | (s) | (s) | 250 | 250 | 0 | – – | – – | 2,641 | – – | – – | – – |
| 1999 | 0 | 1 | (s) | (s) | 142 | 142 | 0 | – – | – – | 2,689 | – – | – – | – – |
| 2000 | 0 | 1 | (s) | (s) | 194 | 194 | 0 | – – | – – | 2,765 | – – | – – | – – |
| 2001 | 0 | 1 | (s) | (s) | 196 | 197 | 0 | – – | – – | 2,802 | – – | – – | – – |
| 2002 | 0 | 1 | (s) | (s) | 197 | 197 | 0 | – – | – – | 2,898 | – – | – – | – – |
| 2003 | 0 | 1 | (s) | (s) | 146 | 146 | 0 | – – | – – | 3,028 | – – | – – | – – |
| 2004 | 0 | 1 | (s) | (s) | 149 | 149 | 0 | – – | – – | 3,162 | – – | – – | – – |
| 2005 | 0 | 1 | (s) | (s) | 152 | 152 | R 9 | – – | – – | 3,164 | – – | – – | – – |
| 2006 | 0 | 1 | 3 | (s) | 156 | 159 | R 8 | – – | – – | 3,182 | – – | – – | – – |
| 2007 | 0 | 1 | 3 | (s) | 125 | 128 | R 9 | – – | – – | 3,201 | – – | – – | – – |
| 2008 | 0 | (s) | 3 | (s) | 262 | 265 | R 9 | – – | – – | 3,085 | – – | – – | – – |
| 2009 | 0 | 1 | 3 | (s) | 239 | 242 | 9 | – – | – – | 3,055 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.0 | 0.0 | (s) | 0.0 | 0.1 | 0.1 | 0.0 | NA | NA | 1.8 | 1.9 | 5.3 | 7.1 |
| 1965 | 0.0 | 0.0 | (s) | 0.0 | 0.2 | 0.2 | 0.0 | NA | NA | 2.9 | 3.1 | 6.7 | 9.9 |
| 1970 | 0.0 | 0.0 | (s) | 0.0 | 0.7 | 0.8 | 0.0 | NA | NA | 4.4 | 5.1 | 10.3 | 15.4 |
| 1975 | 0.0 | 0.0 | (s) | 0.0 | 0.5 | 0.5 | 0.0 | NA | NA | 5.7 | 6.2 | 12.7 | 18.9 |
| 1980 | 0.0 | 1.4 | (s) | 0.0 | 0.7 | 0.7 | 0.0 | NA | NA | 6.3 | 7.0 | 14.0 | 21.0 |
| 1985 | 0.0 | 0.7 | (s) | 0.0 | 0.2 | 0.2 | 0.0 | NA | NA | 6.4 | 6.6 | R 13.3 | R 19.9 |
| 1990 | 0.0 | 0.6 | (s) | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.9 | 7.9 | 9.0 | 21.7 | 30.7 |
| 1995 | 0.0 | 0.6 | (s) | (s) | 0.1 | 0.1 | 0.0 | 0.0 | 1.2 | 8.9 | 10.2 | R 21.0 | R 31.3 |
| 1996 | 0.0 | 0.6 | (s) | (s) | 0.2 | 0.2 | 0.0 | 0.0 | R 1.2 | 9.1 | R 10.5 | R 21.5 | R 32.1 |
| 1997 | 0.0 | 0.5 | (s) | (s) | 0.3 | 0.3 | 0.0 | 0.0 | 1.3 | 9.1 | 10.7 | R 21.5 | R 32.2 |
| 1998 | 0.0 | 0.6 | (s) | (s) | 0.9 | 0.9 | 0.0 | 0.0 | 1.3 | 9.0 | 11.2 | R 21.1 | R 32.3 |
| 1999 | 0.0 | 0.6 | (s) | (s) | 0.5 | 0.5 | 0.0 | 0.0 | R 1.3 | 9.2 | 11.0 | R 21.4 | R 32.4 |
| 2000 | 0.0 | 0.6 | (s) | (s) | 0.7 | 0.7 | 0.0 | 0.0 | R 1.3 | 9.4 | 11.5 | R 21.5 | R 33.0 |
| 2001 | 0.0 | 0.6 | (s) | (s) | 0.7 | 0.7 | 0.0 | 0.0 | 1.3 | 9.6 | 11.6 | R 20.6 | R 32.2 |
| 2002 | 0.0 | 0.6 | (s) | (s) | 0.7 | 0.7 | 0.0 | 0.0 | R 1.3 | 9.9 | 12.0 | R 22.6 | R 34.6 |
| 2003 | 0.0 | 0.6 | (s) | (s) | 0.5 | 0.5 | 0.0 | 0.0 | 1.4 | 10.3 | 12.3 | R 21.4 | R 33.7 |
| 2004 | 0.0 | 0.5 | (s) | (s) | 0.5 | 0.5 | 0.0 | 0.0 | R 1.4 | 10.8 | 12.8 | R 21.9 | R 34.6 |
| 2005 | 0.0 | 0.5 | (s) | (s) | 0.6 | 0.6 | R 0.2 | 0.0 | R 1.5 | 10.8 | R 13.1 | R 22.2 | R 35.2 |
| 2006 | 0.0 | 0.5 | (s) | (s) | 0.6 | 0.6 | R 0.2 | 0.0 | R 1.7 | 10.9 | R 13.3 | R 22.5 | R 35.8 |
| 2007 | 0.0 | 0.5 | (s) | (s) | 0.4 | 0.5 | R 0.2 | 0.0 | R 1.9 | 10.9 | 13.5 | R 22.9 | R 36.4 |
| 2008 | 0.0 | 0.5 | (s) | (s) | 0.9 | 1.0 | R 0.2 | 0.0 | R 2.4 | 10.5 | 14.1 | R 21.8 | R 35.9 |
| 2009 | 0.0 | 0.5 | (s) | (s) | 0.9 | 0.9 | 0.2 | 0.0 | 2.8 | 10.4 | 14.3 | 21.4 | 35.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | Hydro-electric Power [e,f] | Biomass | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Kerosene | LPG [b] | Motor Gasoline [c] | Residual Fuel Oil | Total [d] | | Wood and Waste [f,g] | | | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 0 | 48 | 23 | 42 | 55 | 41 | 209 | NA | – – | – – | 306 | – – | – – | – – |
| 1965 | 0 | 0 | 71 | 39 | 83 | 59 | 31 | 283 | NA | – – | – – | 495 | – – | – – | – – |
| 1970 | 0 | 0 | 174 | 87 | 328 | 133 | 38 | 760 | NA | – – | – – | 771 | – – | – – | – – |
| 1975 | 0 | 0 | 84 | 45 | 235 | 98 | 15 | 477 | NA | – – | – – | 1,109 | – – | – – | – – |
| 1980 | 0 | 2 | 398 | 0 | 315 | 54 | 25 | 792 | NA | – – | – – | 1,462 | – – | – – | – – |
| 1985 | 0 | 2 | 132 | 1 | 74 | 47 | 21 | 275 | NA | – – | – – | 1,612 | – – | – – | – – |
| 1990 | 0 | 2 | 453 | (s) | 93 | 59 | 825 | 1,430 | 0 | – – | – – | 2,253 | – – | – – | – – |
| 1995 | 0 | 2 | 343 | (s) | 63 | 11 | 62 | 480 | 0 | – – | – – | 2,779 | – – | – – | – – |
| 1996 | 0 | 2 | 224 | (s) | 78 | 11 | 13 | 326 | 0 | – – | – – | 2,819 | – – | – – | – – |
| 1997 | 0 | 2 | 392 | (s) | 145 | 11 | 11 | 560 | 0 | – – | – – | 2,839 | – – | – – | – – |
| 1998 | 0 | 2 | 211 | (s) | 413 | 11 | 1,704 | 2,338 | 0 | – – | – – | 2,833 | – – | – – | – – |
| 1999 | 0 | 2 | 260 | (s) | 234 | 11 | 6 | 511 | 0 | – – | – – | 2,944 | – – | – – | – – |
| 2000 | 0 | 2 | 218 | (s) | 320 | 11 | 8 | 558 | 0 | – – | – – | 3,092 | – – | – – | – – |
| 2001 | 0 | 2 | 136 | (s) | 324 | 12 | 5 | 478 | 0 | – – | – – | 3,192 | – – | – – | – – |
| 2002 | 0 | 2 | 310 | (s) | 326 | 12 | (s) | 648 | 0 | – – | – – | 3,223 | – – | – – | – – |
| 2003 | 0 | 2 | 274 | (s) | 241 | 12 | 0 | 527 | 0 | – – | – – | 3,517 | – – | – – | – – |
| 2004 | 0 | 2 | 382 | (s) | 246 | 12 | 4 | 644 | 0 | – – | – – | 3,632 | – – | – – | – – |
| 2005 | 0 | 2 | 384 | (s) | 251 | 12 | 3 | 651 | 0 | – – | – – | 3,463 | – – | – – | – – |
| 2006 | 0 | 2 | 392 | (s) | 257 | 12 | 1 | 662 | 0 | – – | – – | 3,490 | – – | – – | – – |
| 2007 | 0 | 2 | 282 | (s) | 223 | 12 | (s) | 517 | 0 | – – | – – | 3,520 | – – | – – | – – |
| 2008 | 0 | 2 | R 232 | (s) | 403 | 12 | 0 | R 647 | 0 | – – | – – | 3,501 | – – | – – | – – |
| 2009 | 0 | 2 | 279 | (s) | 540 | 12 | 0 | 832 | 0 | – – | – – | 3,388 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.3 | 0.3 | 1.1 | NA | 0.0 | NA | 1.0 | 2.2 | 3.1 | 5.3 |
| 1965 | 0.0 | 0.0 | 0.4 | 0.2 | 0.3 | 0.3 | 0.2 | 1.5 | NA | 0.0 | NA | 1.7 | 3.2 | 3.9 | 7.0 |
| 1970 | 0.0 | 0.0 | 1.0 | 0.5 | 1.2 | 0.7 | 0.2 | 3.7 | NA | 0.0 | NA | 2.6 | 6.3 | 6.2 | 12.5 |
| 1975 | 0.0 | 0.0 | 0.5 | 0.3 | 0.9 | 0.5 | 0.1 | 2.2 | NA | 0.0 | NA | 3.8 | 6.0 | 8.5 | 14.5 |
| 1980 | 0.0 | 1.7 | 2.3 | 0.0 | 1.2 | 0.3 | 0.2 | 3.9 | NA | 0.0 | NA | 5.0 | 8.9 | 11.1 | 20.0 |
| 1985 | 0.0 | 2.0 | 0.8 | (s) | 0.3 | 0.2 | 0.1 | 1.4 | NA | 0.0 | NA | 5.5 | 6.9 | 11.5 | 18.4 |
| 1990 | 0.0 | 2.4 | 2.6 | (s) | 0.3 | 0.3 | 5.2 | 8.5 | 0.0 | 0.0 | 0.0 | 7.7 | 16.2 | 21.0 | 37.2 |
| 1995 | 0.0 | 2.3 | 2.0 | (s) | 0.2 | 0.1 | 0.4 | 2.7 | 0.0 | 0.0 | 0.0 | 9.5 | 12.2 | R 22.4 | R 34.6 |
| 1996 | 0.0 | 2.3 | 1.3 | (s) | 0.3 | 0.1 | 0.1 | 1.7 | 0.0 | 0.0 | 0.0 | 9.6 | 11.3 | R 22.7 | R 34.0 |
| 1997 | 0.0 | 1.8 | 2.3 | (s) | 0.5 | 0.1 | 0.1 | 2.9 | 0.0 | 0.0 | 0.0 | 9.7 | 12.6 | R 22.8 | R 35.5 |
| 1998 | 0.0 | 1.8 | 1.2 | (s) | 1.5 | 0.1 | 10.7 | 13.5 | 0.0 | 0.0 | 0.0 | 9.7 | 23.2 | R 22.7 | R 45.8 |
| 1999 | 0.0 | 1.8 | 1.5 | (s) | 0.8 | 0.1 | (s) | 2.5 | 0.0 | 0.0 | (s) | 10.0 | 12.5 | R 23.4 | R 35.9 |
| 2000 | 0.0 | 1.9 | 1.3 | (s) | 1.2 | 0.1 | 0.1 | 2.5 | 0.0 | 0.0 | (s) | 10.6 | 13.1 | R 24.1 | R 37.2 |
| 2001 | 0.0 | 1.8 | 0.8 | (s) | 1.2 | 0.1 | (s) | 2.1 | 0.0 | 0.0 | (s) | 10.9 | 13.0 | R 23.5 | R 36.5 |
| 2002 | 0.0 | 1.8 | 1.8 | (s) | 1.2 | 0.1 | (s) | 3.0 | 0.0 | 0.0 | (s) | 11.0 | 14.1 | R 25.2 | R 39.3 |
| 2003 | 0.0 | 1.8 | 1.6 | (s) | 0.9 | 0.1 | 0.0 | 2.5 | 0.0 | 0.0 | (s) | 12.0 | 14.6 | R 24.9 | R 39.5 |
| 2004 | 0.0 | 1.9 | 2.2 | (s) | 0.9 | 0.1 | (s) | 3.2 | 0.0 | 2.5 | (s) | 12.4 | 18.2 | R 25.1 | R 43.3 |
| 2005 | 0.0 | 1.9 | 2.2 | (s) | 0.9 | 0.1 | (s) | 3.2 | 0.0 | R 2.3 | (s) | 11.8 | 17.4 | R 24.3 | R 41.7 |
| 2006 | 0.0 | 1.9 | 2.3 | (s) | 0.9 | 0.1 | (s) | 3.3 | 0.0 | 2.6 | (s) | 11.9 | 17.9 | R 24.6 | R 42.5 |
| 2007 | 0.0 | 1.9 | 1.6 | (s) | 0.8 | 0.1 | (s) | 2.5 | 0.0 | 2.3 | (s) | 12.0 | 17.0 | R 25.2 | R 42.2 |
| 2008 | 0.0 | 1.8 | R 1.4 | (s) | 1.5 | 0.1 | 0.0 | 2.9 | 0.0 | R 3.1 | (s) | 11.9 | R 18.0 | R 24.8 | R 42.7 |
| 2009 | 0.0 | 1.8 | 1.6 | (s) | 1.9 | 0.1 | 0.0 | 3.6 | 0.0 | 3.0 | (s) | 11.6 | 18.3 | 23.8 | 42.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 0 | 0 | 554 | 43 | 83 | 1,038 | 649 | 2,367 | 0 | – – | – – | – – | 465 | – – | – – | – – |
| 1965 | 0 | 0 | 635 | 82 | 76 | 1,712 | 992 | 3,497 | 83 | – – | – – | – – | 1,096 | – – | – – | – – |
| 1970 | 0 | 0 | 701 | 386 | 49 | 1,671 | 1,066 | 3,874 | 86 | – – | – – | – – | 1,720 | – – | – – | – – |
| 1975 | 0 | 0 | 603 | 472 | 53 | 1,346 | 1,174 | 3,648 | 71 | – – | – – | – – | 2,538 | – – | – – | – – |
| 1980 | 0 | 0 | 1,369 | 1,041 | 49 | 1,491 | 1,186 | 5,135 | 67 | – – | – – | – – | 3,028 | – – | – – | – – |
| 1985 | 46 | 0 | 458 | 9 | 104 | 1,344 | 1,083 | 2,997 | 67 | – – | – – | – – | 3,143 | – – | – – | – – |
| 1990 | 28 | 0 | 725 | 15 | 133 | 1,740 | 2,617 | 5,231 | 57 | – – | – – | – – | 3,734 | – – | – – | – – |
| 1995 | 192 | 0 | 548 | 1,207 | 245 | 1,024 | 2,618 | 5,643 | 64 | – – | – – | – – | 3,803 | – – | – – | – – |
| 1996 | 169 | 0 | 475 | 1,191 | 259 | 957 | 2,998 | 5,880 | 65 | – – | – – | – – | 3,884 | – – | – – | – – |
| 1997 | 166 | (s) | 623 | 6 | 242 | 845 | 2,956 | 4,672 | 67 | – – | – – | – – | 3,856 | – – | – – | – – |
| 1998 | 146 | (s) | 584 | 181 | 266 | 305 | 2,428 | 3,765 | 75 | – – | – – | – – | 3,787 | – – | – – | – – |
| 1999 | 117 | (s) | 427 | (s) | 155 | 332 | 2,464 | 3,380 | 70 | – – | – – | – – | 3,748 | – – | – – | – – |
| 2000 | 110 | 1 | 473 | 49 | 160 | 438 | 2,566 | 3,685 | 60 | – – | – – | – – | 3,834 | – – | – – | – – |
| 2001 | 113 | 1 | 473 | 61 | 122 | 8 | 2,849 | 3,513 | 50 | – – | – – | – – | 3,790 | – – | – – | – – |
| 2002 | 50 | (s) | 459 | 247 | 145 | 446 | 2,481 | 3,779 | 60 | – – | – – | – – | 3,770 | – – | – – | – – |
| 2003 | 52 | (s) | 426 | 94 | 137 | 364 | 2,699 | 3,721 | 50 | – – | – – | – – | 3,846 | – – | – – | – – |
| 2004 | 53 | (s) | 407 | 67 | 169 | 395 | 2,667 | 3,704 | 37 | – – | – – | – – | 3,937 | – – | – – | – – |
| 2005 | 59 | (s) | 512 | 14 | 133 | 781 | 2,859 | 4,298 | 34 | – – | – – | – – | 3,912 | – – | – – | – – |
| 2006 | 59 | (s) | 456 | 41 | 141 | 811 | R 2,742 | R 4,193 | 38 | – – | – – | – – | 3,896 | – – | – – | – – |
| 2007 | 72 | 1 | 451 | 58 | 244 | 428 | R 2,662 | R 3,843 | 38 | – – | – – | – – | 3,864 | – – | – – | – – |
| 2008 | 99 | (s) | R 362 | 5 | 247 | 448 | R 2,334 | R 3,396 | 39 | – – | – – | – – | 3,804 | – – | – – | – – |
| 2009 | 88 | (s) | 414 | 32 | 234 | 482 | 2,313 | 3,476 | 35 | – – | – – | – – | 3,683 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.0 | 0.0 | 3.2 | 0.2 | 0.4 | 6.5 | 3.9 | 14.3 | 0.0 | 0.0 | NA | NA | 1.6 | 15.8 | 4.8 | 20.6 |
| 1965 | 0.0 | 0.0 | 3.7 | 0.3 | 0.4 | 10.8 | 6.1 | 21.3 | 0.9 | 0.2 | NA | NA | 3.7 | 26.1 | 8.6 | 34.7 |
| 1970 | 0.0 | 0.0 | 4.1 | 1.5 | 0.3 | 10.5 | 6.6 | 22.9 | 0.9 | 0.2 | NA | NA | 5.9 | 29.9 | 13.8 | 43.7 |
| 1975 | 0.0 | 0.0 | 3.5 | 1.8 | 0.3 | 8.5 | 7.3 | 21.3 | 0.7 | 0.3 | NA | NA | 8.7 | 31.0 | 19.4 | 50.4 |
| 1980 | 0.0 | 0.0 | 8.0 | 3.8 | 0.3 | 9.4 | 7.3 | 28.7 | 0.7 | 11.9 | NA | NA | 10.3 | 51.7 | 23.0 | 74.7 |
| 1985 | 1.1 | 0.0 | 2.7 | (s) | 0.5 | 8.4 | 6.8 | 18.5 | 0.7 | 14.0 | 0.0 | NA | 10.7 | 45.0 | R 22.3 | R 67.3 |
| 1990 | 0.7 | 0.0 | 4.2 | 0.1 | 0.7 | 10.9 | 16.0 | 31.9 | 0.6 | 18.2 | 0.0 | (s) | 12.7 | 64.1 | 34.9 | 98.9 |
| 1995 | 4.1 | 0.0 | 3.2 | 4.4 | 1.3 | 6.4 | 16.1 | 31.4 | 0.7 | 13.3 | 0.0 | (s) | 13.0 | 62.4 | R 30.7 | R 93.1 |
| 1996 | 3.6 | 0.0 | 2.8 | 4.3 | 1.3 | 6.0 | 18.3 | 32.7 | 0.7 | 14.1 | 0.0 | (s) | 13.3 | 64.4 | R 31.2 | R 95.7 |
| 1997 | 3.7 | 0.4 | 3.6 | (s) | 1.3 | 5.3 | 18.0 | 28.2 | 0.7 | 11.8 | 0.0 | (s) | 13.2 | 57.6 | R 31.0 | R 88.7 |
| 1998 | 3.4 | 0.4 | 3.4 | 0.7 | 1.4 | 1.9 | 14.9 | 22.2 | 0.8 | 11.1 | 0.0 | (s) | 12.9 | 50.4 | R 30.3 | R 80.7 |
| 1999 | 2.7 | 0.5 | 2.5 | (s) | 0.8 | 2.1 | 15.1 | 20.5 | 0.7 | 11.6 | 0.0 | (s) | 12.8 | 48.2 | R 29.8 | R 78.0 |
| 2000 | 2.1 | 0.6 | 2.8 | 0.2 | 0.8 | 2.8 | 15.9 | 22.4 | 0.6 | 9.9 | 0.0 | (s) | 13.1 | 48.1 | R 29.8 | R 78.0 |
| 2001 | 2.0 | 0.6 | 2.8 | 0.2 | 0.6 | 0.1 | 17.3 | 21.0 | 0.5 | 5.1 | 0.0 | (s) | 12.9 | 41.6 | R 27.9 | R 69.5 |
| 2002 | 0.7 | 0.5 | 2.7 | 0.9 | 0.8 | 2.8 | 15.0 | 22.1 | 0.6 | 5.1 | 0.0 | (s) | 12.9 | 41.4 | R 29.4 | R 70.8 |
| 2003 | 1.4 | 0.5 | 2.5 | 0.3 | 0.7 | 2.3 | 16.3 | 22.1 | 0.5 | 1.7 | 0.0 | (s) | 13.1 | 38.8 | R 27.2 | R 66.1 |
| 2004 | 1.3 | 0.5 | 2.4 | 0.2 | 0.9 | 2.5 | 16.1 | 22.1 | 0.4 | 1.8 | 0.0 | (s) | 13.4 | 39.0 | R 27.2 | R 66.2 |
| 2005 | 1.4 | 0.5 | 3.0 | 0.1 | 0.7 | 4.9 | 17.3 | 25.9 | 0.3 | 1.7 | 0.0 | (s) | 13.3 | 42.7 | R 27.4 | R 70.2 |
| 2006 | 1.6 | 0.5 | 2.7 | 0.1 | 0.7 | 5.1 | 16.4 | R 25.1 | 0.4 | R 1.3 | 0.0 | (s) | 13.3 | R 41.7 | R 27.5 | R 69.2 |
| 2007 | 1.8 | 0.5 | 2.6 | 0.2 | 1.3 | 2.7 | R 16.0 | R 22.8 | 0.4 | R 1.3 | 0.0 | (s) | 13.2 | R 39.5 | R 27.6 | R 67.1 |
| 2008 | 2.3 | 0.4 | 2.1 | (s) | 1.3 | 2.8 | 14.0 | R 20.3 | 0.4 | R 1.4 | 0.0 | (s) | 13.0 | R 37.4 | R 26.9 | R 64.3 |
| 2009 | 2.0 | 0.4 | 2.4 | 0.1 | 1.2 | 3.0 | 13.9 | 20.7 | 0.3 | 1.8 | 0.0 | (s) | 12.6 | 37.5 | 25.8 | 63.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 0 | 0 | 2,640 | 247 | 4,321 | 2 | 19 | 3,290 | 968 | 11,487 | 0 | – – | – – | – – |
| 1965 | 0 | 0 | 613 | 844 | 7,618 | 4 | 73 | 3,947 | 1,195 | 14,294 | 0 | – – | – – | – – |
| 1970 | 0 | 0 | 133 | 722 | 14,273 | 26 | 68 | 5,508 | 1,744 | 22,473 | 0 | – – | – – | – – |
| 1975 | 0 | 0 | 116 | 831 | 14,849 | 22 | 74 | 6,615 | 1,013 | 23,520 | 0 | – – | – – | – – |
| 1980 | 0 | 0 | 199 | 3,331 | 14,116 | 26 | 74 | 7,129 | 1,441 | 26,317 | 0 | – – | – – | – – |
| 1985 | 0 | 0 | 155 | 3,184 | 13,260 | 6 | 68 | 7,443 | 1,526 | 25,641 | 0 | – – | – – | – – |
| 1990 | 0 | 0 | 272 | 3,498 | 12,646 | 13 | 76 | 8,477 | 2,657 | 27,639 | 0 | – – | – – | – – |
| 1995 | 0 | 0 | 218 | 2,683 | 9,940 | 8 | 73 | 9,160 | 2,677 | 24,759 | 0 | – – | – – | – – |
| 1996 | 0 | 0 | 165 | 1,928 | 10,087 | 2 | 71 | 9,104 | 702 | 22,058 | 0 | – – | – – | – – |
| 1997 | 0 | 0 | 121 | 1,322 | 10,221 | 2 | 75 | 9,104 | 489 | 21,334 | 0 | – – | – – | – – |
| 1998 | 0 | 0 | 107 | 1,242 | 9,999 | 1 | 78 | 9,065 | 383 | 20,876 | 0 | – – | – – | – – |
| 1999 | 0 | 0 | 58 | 2,071 | 9,474 | 0 | 79 | 8,786 | 1,708 | 22,177 | 0 | – – | – – | – – |
| 2000 | 0 | 0 | 45 | 1,627 | 9,438 | 0 | 78 | 9,118 | 2,226 | 22,532 | 0 | – – | – – | – – |
| 2001 | 0 | 0 | 48 | 2,455 | 8,895 | 0 | 71 | 9,576 | 2,658 | 23,704 | 0 | – – | – – | – – |
| 2002 | 0 | 0 | 18 | 3,329 | 10,189 | 0 | 70 | 10,262 | 1,437 | 25,306 | 0 | – – | – – | – – |
| 2003 | 0 | 0 | 15 | 5,033 | 12,708 | 10 | 65 | 10,448 | 914 | 29,194 | 0 | – – | – – | – – |
| 2004 | 0 | (s) | 39 | 5,359 | 13,379 | 0 | 66 | 10,560 | 1,493 | 30,897 | 0 | – – | – – | – – |
| 2005 | 0 | (s) | 44 | 3,827 | 16,372 | 15 | 65 | 10,833 | 1,121 | 32,278 | 0 | – – | – – | – – |
| 2006 | 0 | (s) | 41 | 3,387 | 15,334 | 17 | 64 | 11,379 | 2,375 | 32,597 | 0 | – – | – – | – – |
| 2007 | 0 | (s) | 41 | 6,246 | 12,756 | 12 | 66 | 11,092 | 4,465 | 34,678 | 0 | – – | – – | – – |
| 2008 | 0 | (s) | 28 | R 2,869 | 10,702 | 4 | 61 | 10,416 | 1,008 | R 25,087 | 0 | – – | – – | – – |
| 2009 | 0 | (s) | 30 | 3,174 | 8,294 | 6 | 55 | 10,509 | 1,257 | 23,325 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.0 | 0.0 | 13.3 | 1.4 | 23.5 | (s) | 0.1 | 17.3 | 6.1 | 61.8 | 0.0 | 61.8 | 0.0 | 61.8 |
| 1965 | 0.0 | 0.0 | 3.1 | 4.9 | 42.3 | (s) | 0.4 | 20.7 | 7.5 | 79.0 | 0.0 | 79.0 | 0.0 | 79.0 |
| 1970 | 0.0 | 0.0 | 0.7 | 4.2 | 80.1 | 0.1 | 0.4 | 28.9 | 11.0 | 125.3 | 0.0 | 125.3 | 0.0 | 125.3 |
| 1975 | 0.0 | 0.0 | 0.6 | 4.8 | 83.5 | 0.1 | 0.5 | 34.7 | 6.4 | 130.5 | 0.0 | 130.5 | 0.0 | 130.5 |
| 1980 | 0.0 | 0.0 | 1.0 | 19.4 | 79.2 | 0.1 | 0.5 | 37.4 | 9.1 | 146.7 | 0.0 | 146.7 | 0.0 | 146.7 |
| 1985 | 0.0 | 0.0 | 0.8 | 18.5 | 74.4 | (s) | 0.4 | 39.1 | 9.6 | 142.9 | 0.0 | 142.9 | 0.0 | 142.9 |
| 1990 | 0.0 | 0.0 | 1.4 | 20.4 | 71.1 | (s) | 0.5 | 44.5 | 16.7 | 154.5 | 0.0 | 154.5 | 0.0 | 154.5 |
| 1995 | 0.0 | 0.0 | 1.1 | 15.6 | 56.4 | (s) | 0.4 | 47.8 | 16.8 | 138.2 | 0.0 | 138.2 | 0.0 | 138.2 |
| 1996 | 0.0 | 0.0 | 0.8 | 11.2 | 57.2 | (s) | 0.4 | 47.5 | 4.4 | 121.6 | 0.0 | 121.6 | 0.0 | 121.6 |
| 1997 | 0.0 | 0.0 | 0.6 | 7.7 | 58.0 | (s) | 0.5 | 47.5 | 3.1 | 117.3 | 0.0 | 117.3 | 0.0 | 117.3 |
| 1998 | 0.0 | 0.0 | 0.5 | 7.2 | 56.7 | (s) | 0.5 | 47.2 | 2.4 | 114.6 | 0.0 | 114.6 | 0.0 | 114.6 |
| 1999 | 0.0 | 0.0 | 0.3 | 12.1 | 53.7 | 0.0 | 0.5 | 45.8 | 10.7 | 123.1 | 0.0 | 123.1 | 0.0 | 123.1 |
| 2000 | 0.0 | 0.0 | 0.2 | 9.5 | 53.5 | 0.0 | 0.5 | 47.5 | 14.0 | 125.2 | 0.0 | 125.2 | 0.0 | 125.2 |
| 2001 | 0.0 | 0.0 | 0.2 | 14.3 | 50.4 | 0.0 | 0.4 | 49.9 | 16.7 | 132.0 | 0.0 | 132.0 | 0.0 | 132.0 |
| 2002 | 0.0 | 0.0 | 0.1 | 19.4 | 57.8 | 0.0 | 0.4 | 53.4 | 9.0 | 140.2 | 0.0 | 140.2 | 0.0 | 140.2 |
| 2003 | 0.0 | 0.0 | 0.1 | 29.3 | 72.1 | (s) | 0.4 | 54.4 | 5.7 | 162.0 | 0.0 | 162.0 | 0.0 | 162.0 |
| 2004 | 0.0 | (s) | 0.2 | 31.2 | 75.9 | 0.0 | 0.4 | 55.1 | 9.4 | 172.1 | 0.0 | 172.1 | 0.0 | 172.1 |
| 2005 | 0.0 | (s) | 0.2 | 22.3 | 92.8 | 0.1 | 0.4 | 56.5 | 7.0 | 179.4 | 0.0 | 179.4 | 0.0 | 179.4 |
| 2006 | 0.0 | (s) | 0.2 | 19.7 | 86.9 | 0.1 | 0.4 | 59.4 | 14.9 | 181.6 | 0.0 | 181.6 | 0.0 | 181.6 |
| 2007 | 0.0 | (s) | 0.2 | 36.4 | 72.3 | (s) | 0.4 | 57.9 | 28.1 | 195.3 | 0.0 | 195.3 | 0.0 | 195.3 |
| 2008 | 0.0 | (s) | 0.1 | R 16.7 | 60.7 | (s) | 0.4 | 54.4 | 6.3 | R 138.6 | 0.0 | R 138.6 | 0.0 | R 138.6 |
| 2009 | 0.0 | (s) | 0.1 | 18.5 | 47.0 | (s) | 0.3 | 54.8 | 7.9 | 128.8 | 0.0 | 128.8 | 0.0 | 128.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Hawaii

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 0 | 2,719 | 37 | 0 | 2,756 | 0 | 27 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 0 | 0 | 4,292 | 61 | 0 | 4,353 | 0 | 22 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 0 | 0 | 6,702 | 96 | 0 | 6,798 | 0 | 22 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 0 | 0 | 8,880 | 429 | 0 | 9,309 | 0 | 18 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | 0 | 10,239 | 888 | 0 | 11,127 | 0 | 20 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 0 | 0 | 10,295 | 752 | 0 | 11,047 | 0 | 19 | – – | 19 | 0 | 0 | 0 | – – |
| 1990 | 1 | 0 | 13,844 | 1,813 | 0 | 15,657 | 0 | 23 | – – | 0 | 0 | 29 | 0 | – – |
| 1995 | 703 | 0 | 10,709 | 2,211 | 0 | 12,921 | 0 | 34 | – – | 235 | 0 | 20 | 0 | – – |
| 1996 | 761 | 0 | 10,996 | 2,323 | 0 | 13,319 | 0 | 39 | – – | 242 | 0 | 23 | 0 | – – |
| 1997 | 767 | 0 | 10,873 | 2,302 | 0 | 13,175 | 0 | 49 | – – | 245 | 0 | 16 | 0 | – – |
| 1998 | 676 | 0 | 10,851 | 2,413 | 0 | 13,264 | 0 | 46 | – – | 237 | 0 | 19 | 0 | – – |
| 1999 | 684 | 0 | 10,898 | 2,555 | 0 | 13,453 | 0 | 45 | – – | 211 | 0 | 16 | 0 | – – |
| 2000 | 706 | 0 | 10,848 | 2,775 | 0 | 13,623 | 0 | 43 | – – | 262 | 0 | 17 | 0 | – – |
| 2001 | 716 | 0 | 10,613 | 2,975 | 0 | 13,588 | 0 | 50 | – – | 207 | 0 | 2 | 0 | – – |
| 2002 | 698 | 0 | 10,855 | 3,987 | 0 | 14,842 | 0 | 35 | – – | 73 | 0 | 2 | 0 | – – |
| 2003 | 785 | 0 | 10,801 | 2,297 | 0 | 13,098 | 0 | 40 | – – | 178 | 0 | 2 | 0 | – – |
| 2004 | 804 | 0 | 11,218 | 2,486 | 0 | 13,704 | 0 | 57 | – – | 213 | 0 | 7 | 0 | – – |
| 2005 | 746 | 0 | 11,304 | 2,584 | 0 | 13,888 | 0 | 62 | – – | 222 | 0 | 7 | 0 | – – |
| 2006 | 720 | 0 | 11,499 | 2,453 | 0 | 13,952 | 0 | 82 | – – | 212 | 0 | 80 | 0 | – – |
| 2007 | 778 | 0 | 11,426 | 2,313 | 0 | 13,738 | 0 | 55 | – – | 230 | 0 | 238 | 0 | – – |
| 2008 | 838 | 0 | 11,009 | 2,199 | 0 | 13,209 | 0 | 45 | – – | 234 | (s) | 240 | 0 | – – |
| 2009 | 790 | 0 | 10,704 | 2,250 | 0 | 12,954 | 0 | 77 | – – | 168 | 1 | 251 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 0.0 | 17.1 | 0.2 | 0.0 | 17.3 | 0.0 | 0.3 | 0.0 | 0.0 | NA | NA | 0.0 | 17.6 |
| 1965 | 0.0 | 0.0 | 27.0 | 0.4 | 0.0 | 27.3 | 0.0 | 0.2 | 0.0 | 0.0 | NA | NA | 0.0 | 27.6 |
| 1970 | 0.0 | 0.0 | 42.1 | 0.6 | 0.0 | 42.7 | 0.0 | 0.2 | 0.3 | 0.0 | NA | NA | 0.0 | 43.2 |
| 1975 | 0.0 | 0.0 | 55.8 | 2.5 | 0.0 | 58.3 | 0.0 | 0.2 | 0.3 | 0.0 | NA | NA | 0.0 | 58.8 |
| 1980 | 0.0 | 0.0 | 64.4 | 5.2 | 0.0 | 69.5 | 0.0 | 0.2 | 0.0 | 0.0 | NA | NA | 0.0 | 69.7 |
| 1985 | 0.0 | 0.0 | 64.7 | 4.4 | 0.0 | 69.1 | 0.0 | 0.2 | 0.3 | R 0.2 | 0.0 | 0.0 | 0.0 | R 69.8 |
| 1990 | (s) | 0.0 | 87.0 | 10.6 | 0.0 | 97.6 | 0.0 | 0.2 | 7.8 | 0.0 | 0.0 | 0.3 | 0.0 | 105.9 |
| 1995 | 15.8 | 0.0 | 67.3 | 12.9 | 0.0 | 80.2 | 0.0 | 0.4 | 6.5 | R 2.4 | 0.0 | 0.2 | 0.0 | R 105.5 |
| 1996 | 16.7 | 0.0 | 69.1 | 13.5 | 0.0 | 82.7 | 0.0 | 0.4 | 4.9 | R 2.5 | 0.0 | 0.2 | 0.0 | R 107.5 |
| 1997 | 16.8 | 0.0 | 68.4 | 13.4 | 0.0 | 81.8 | 0.0 | 0.5 | 5.6 | R 2.5 | 0.0 | 0.2 | 0.0 | R 107.3 |
| 1998 | 14.9 | 0.0 | 68.2 | 14.1 | 0.0 | 82.3 | 0.0 | 0.5 | 5.4 | R 2.4 | 0.0 | 0.2 | 0.0 | R 105.6 |
| 1999 | 15.0 | 0.0 | 68.5 | 14.9 | 0.0 | 83.4 | 0.0 | 0.5 | 5.4 | R 2.2 | 0.0 | 0.2 | 0.0 | R 106.6 |
| 2000 | 15.5 | 0.0 | 68.2 | 16.2 | 0.0 | 84.4 | 0.0 | 0.4 | 5.3 | R 2.7 | 0.0 | 0.2 | 0.0 | R 108.5 |
| 2001 | 15.7 | 0.0 | 66.7 | 17.3 | 0.0 | 84.1 | 0.0 | 0.5 | 2.8 | R 2.1 | 0.0 | (s) | 0.0 | R 105.3 |
| 2002 | 16.0 | 0.0 | 68.2 | 23.2 | 0.0 | 91.5 | 0.0 | 0.4 | 2.4 | R 0.7 | 0.0 | (s) | 0.0 | R 110.9 |
| 2003 | 17.9 | 0.0 | 67.9 | 13.4 | 0.0 | 81.3 | 0.0 | 0.4 | 7.6 | R 1.8 | 0.0 | (s) | 0.0 | R 109.1 |
| 2004 | 18.0 | 0.0 | 70.5 | 14.5 | 0.0 | 85.0 | 0.0 | 0.6 | 5.0 | R 2.1 | 0.0 | 0.1 | 0.0 | R 110.8 |
| 2005 | 16.5 | 0.0 | 71.1 | 15.1 | 0.0 | 86.1 | 0.0 | 0.6 | 4.2 | R 2.2 | 0.0 | 0.1 | 0.0 | R 109.8 |
| 2006 | 15.9 | 0.0 | 72.3 | 14.3 | 0.0 | 86.6 | 0.0 | 0.8 | 4.4 | R 2.1 | 0.0 | 0.8 | 0.0 | R 110.6 |
| 2007 | 17.2 | 0.0 | 71.8 | 13.5 | 0.0 | 85.3 | 0.0 | 0.5 | 4.1 | R 2.3 | 0.0 | 2.4 | 0.0 | R 111.8 |
| 2008 | 17.8 | 0.0 | 69.2 | 12.8 | 0.0 | 82.0 | 0.0 | 0.4 | 4.0 | R 2.3 | (s) | 2.4 | 0.0 | R 109.0 |
| 2009 | 16.9 | 0.0 | 67.3 | 13.1 | 0.0 | 80.4 | 0.0 | 0.8 | 3.4 | 1.6 | (s) | 2.5 | 0.0 | 105.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Idaho

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 699 | 22 | 4,072 | 899 | 455 | 6,965 | 205 | 887 | 13,484 | 0 | 6,165 | NA |
| 1965 | 673 | 34 | 4,803 | 870 | 560 | 7,654 | 356 | 1,576 | 15,819 | 0 | 6,641 | NA |
| 1970 | 353 | 47 | 5,600 | 960 | 1,057 | 9,684 | 277 | 1,700 | 19,278 | 0 | 7,076 | NA |
| 1971 | 544 | 50 | 5,708 | 1,007 | 1,171 | 10,020 | 282 | 1,565 | 19,753 | 0 | 7,469 | NA |
| 1972 | 483 | 57 | 5,953 | 985 | 1,406 | 10,565 | 244 | 1,849 | 21,001 | 0 | 7,844 | NA |
| 1973 | 484 | 56 | 6,481 | 943 | 1,195 | 11,043 | 241 | 1,752 | 21,655 | 0 | 8,279 | NA |
| 1974 | 529 | 53 | 7,049 | 985 | 1,235 | 10,691 | 587 | 1,484 | 22,032 | 0 | 9,686 | NA |
| 1975 | 647 | 60 | 7,560 | 950 | 1,184 | 11,288 | 684 | 1,307 | 22,973 | 0 | 10,274 | NA |
| 1976 | 772 | 47 | 7,474 | 978 | 1,274 | 12,035 | 771 | 1,373 | 23,906 | 0 | 10,372 | NA |
| 1977 | 608 | 46 | 8,170 | 980 | 1,208 | 12,247 | 690 | 1,402 | 24,696 | 0 | 6,749 | NA |
| 1978 | 600 | 44 | 8,575 | 1,013 | 1,348 | 12,941 | 906 | 1,504 | 26,286 | 0 | 9,871 | NA |
| 1979 | 628 | 54 | 7,758 | 1,135 | 1,142 | 12,154 | 1,221 | 1,318 | 24,729 | 0 | 9,165 | NA |
| 1980 | 514 | 49 | 5,662 | 1,243 | 993 | 11,078 | 613 | 1,141 | 20,731 | 0 | 9,507 | NA |
| 1981 | 535 | 45 | 4,764 | 1,223 | 879 | 10,523 | 54 | 850 | 18,294 | 0 | 9,507 | 0 |
| 1982 | 575 | 40 | 4,483 | 1,044 | 1,030 | 10,275 | 215 | 813 | 17,861 | 0 | 11,591 | 6 |
| 1983 | 516 | 35 | 5,237 | 959 | 1,067 | 10,385 | 104 | 913 | 18,664 | 0 | 12,771 | 20 |
| 1984 | 490 | 39 | 5,170 | 1,089 | 673 | 10,528 | 63 | 712 | 18,235 | 0 | 13,195 | 18 |
| 1985 | 486 | 39 | 5,287 | 1,122 | 778 | 10,672 | 86 | 884 | 18,829 | 0 | 10,863 | 40 |
| 1986 | 466 | 35 | 5,611 | 1,117 | 735 | 10,893 | 20 | 801 | 19,178 | 0 | 12,153 | 48 |
| 1987 | 494 | 37 | 6,019 | 1,154 | 621 | 10,727 | 64 | 768 | 19,354 | 0 | 8,105 | 59 |
| 1988 | 524 | 41 | 6,176 | 1,178 | 747 | 11,205 | 56 | 640 | 20,002 | 0 | 6,745 | 109 |
| 1989 | 533 | 46 | 6,547 | 1,239 | 839 | 11,527 | 45 | 1,071 | 21,267 | 0 | 9,349 | 187 |
| 1990 | 549 | 46 | 7,079 | 1,143 | 610 | 11,453 | 47 | 1,516 | 21,847 | 0 | 9,115 | 166 |
| 1991 | 673 | 51 | 7,403 | 957 | 814 | 11,610 | 44 | 1,216 | 22,043 | 0 | 8,745 | 187 |
| 1992 | 535 | 49 | 6,378 | 973 | 669 | 11,947 | 22 | 1,657 | 21,647 | 0 | 6,654 | 117 |
| 1993 | 528 | 56 | 7,134 | 1,076 | 682 | 12,770 | 38 | 1,792 | 23,492 | 0 | 9,715 | 18 |
| 1994 | 534 | 57 | 7,239 | 1,201 | 645 | 12,927 | 21 | 2,060 | 24,094 | 0 | 7,916 | 16 |
| 1995 | 465 | 64 | 7,567 | 1,568 | 758 | 13,521 | 7 | 2,280 | 25,702 | 0 | 10,989 | 11 |
| 1996 | 397 | 67 | 8,023 | 874 | 2,656 | 14,174 | 7 | 2,305 | 28,039 | 0 | 13,283 | 0 |
| 1997 | 361 | 69 | 8,478 | 760 | 550 | 14,462 | 2 | 2,376 | 26,627 | 0 | 14,676 | 0 |
| 1998 | 479 | 69 | 7,813 | 718 | 419 | 15,284 | 5 | 3,346 | 27,585 | 0 | 12,936 | 0 |
| 1999 | 430 | 71 | 8,925 | 856 | 954 | 15,886 | 6 | 3,345 | 29,972 | 0 | 13,499 | 0 |
| 2000 | 623 | 73 | 9,047 | 880 | 2,045 | 15,392 | 2 | 3,330 | 30,696 | 0 | 10,967 | 0 |
| 2001 | 553 | 80 | 9,126 | 724 | 1,495 | 15,098 | 23 | 2,112 | 28,578 | 0 | 7,223 | 0 |
| 2002 | 487 | 71 | 8,893 | 793 | 926 | 15,511 | 80 | 2,909 | 29,112 | 0 | 8,769 | 0 |
| 2003 | 503 | 70 | 8,389 | 686 | 871 | 14,711 | (s) | 993 | 25,649 | 0 | 8,354 | 0 |
| 2004 | 607 | 75 | 9,542 | 822 | 1,412 | 14,969 | 0 | 2,018 | 28,764 | 0 | 8,462 | 0 |
| 2005 | 548 | 75 | 10,198 | 819 | 1,512 | 14,806 | 221 | 1,988 | 29,545 | 0 | 8,542 | 337 |
| 2006 | 403 | 76 | 9,970 | 981 | 1,575 | 15,681 | 145 | R 2,284 | R 30,635 | 0 | 11,242 | 325 |
| 2007 | 504 | 82 | 10,014 | 903 | 1,670 | 16,174 | 37 | R 1,794 | R 30,592 | 0 | 9,022 | 541 |
| 2008 | 432 | 89 | R 9,019 | 842 | 1,602 | 15,616 | 0 | R 2,210 | R 29,288 | 0 | 9,363 | 666 |
| 2009 | 422 | 85 | 8,661 | 576 | 1,417 | 15,755 | 8 | 1,952 | 28,370 | 0 | 10,434 | 791 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Idaho
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 16.8 | 22.8 | 23.7 | 4.8 | 1.8 | 36.6 | 1.3 | 5.5 | 73.7 | 113.3 | *22.8* | *36.6* |
| 1965 | 15.9 | 36.1 | 28.0 | 4.7 | 2.2 | 40.2 | 2.2 | 9.6 | 86.9 | 138.9 | *36.1* | *40.2* |
| 1970 | 7.9 | 49.4 | 32.6 | 5.2 | 4.0 | 50.9 | 1.7 | 10.7 | 105.1 | 162.5 | *49.4* | *50.9* |
| 1971 | 12.2 | 53.2 | 33.2 | 5.5 | 4.4 | 52.6 | 1.8 | 9.8 | 107.4 | 172.7 | *53.2* | *52.6* |
| 1972 | 10.5 | 60.1 | 34.7 | 5.3 | 5.3 | 55.5 | 1.5 | 11.6 | 114.0 | 184.6 | *60.1* | *55.5* |
| 1973 | 10.6 | 59.3 | 37.8 | 5.1 | 4.5 | 58.0 | 1.5 | 11.0 | 117.9 | 187.8 | *59.3* | *58.0* |
| 1974 | 11.4 | 55.3 | 41.1 | 5.4 | 4.6 | 56.2 | 3.7 | 9.3 | 120.2 | 186.8 | *55.3* | *56.2* |
| 1975 | 13.4 | 63.8 | 44.0 | 5.2 | 4.4 | 59.3 | 4.3 | 8.3 | 125.5 | 202.7 | *63.8* | *59.3* |
| 1976 | 15.2 | 49.8 | 43.5 | 5.3 | 4.7 | 63.2 | 4.8 | 8.6 | 130.3 | 195.3 | *49.8* | *63.2* |
| 1977 | 12.1 | 48.3 | 47.6 | 5.4 | 4.4 | 64.3 | 4.3 | 8.8 | 134.8 | 195.2 | *48.3* | *64.3* |
| 1978 | 11.4 | 46.6 | 49.9 | 5.6 | 4.9 | 68.0 | 5.7 | 9.4 | 143.6 | 201.5 | *46.6* | *68.0* |
| 1979 | 11.9 | 56.8 | 45.2 | 6.2 | 4.2 | 63.8 | 7.7 | 8.3 | 135.4 | 204.1 | *56.8* | *63.8* |
| 1980 | 9.6 | 51.6 | 33.0 | 6.8 | 3.7 | 58.2 | 3.9 | 7.2 | 112.7 | 174.0 | *51.6* | *58.2* |
| 1981 | 9.8 | 48.1 | 27.8 | 6.7 | 3.2 | 55.3 | 0.3 | 5.3 | 98.6 | 156.5 | *48.1* | *55.3* |
| 1982 | 10.4 | 42.8 | 26.1 | 5.7 | 3.7 | 54.0 | 1.4 | 5.1 | 96.0 | 149.2 | *42.8* | *54.0* |
| 1983 | 9.5 | 36.8 | 30.5 | 5.2 | 3.9 | 54.6 | 0.7 | 5.8 | 100.6 | 146.9 | *36.8* | *54.6* |
| 1984 | 9.0 | 40.3 | 30.1 | 5.9 | 2.4 | 55.3 | 0.4 | 4.5 | 98.7 | 148.0 | *40.3* | *55.3* |
| 1985 | 8.9 | 41.1 | 30.8 | 6.1 | 2.8 | 56.1 | 0.5 | 5.6 | 101.9 | 151.9 | *41.1* | *56.1* |
| 1986 | 8.6 | 35.5 | 32.7 | 6.1 | 2.7 | 57.2 | 0.1 | 5.1 | 103.9 | 148.0 | *35.5* | *57.2* |
| 1987 | 8.9 | 37.8 | 35.1 | 6.3 | 2.3 | 56.4 | 0.4 | 4.9 | 105.3 | 151.9 | *37.8* | *56.4* |
| 1988 | 9.7 | 41.6 | 36.0 | 6.4 | 2.7 | 58.9 | 0.4 | 4.1 | 108.4 | 159.7 | *41.6* | *58.9* |
| 1989 | 9.8 | 46.9 | 38.1 | 6.8 | 3.1 | 60.6 | 0.3 | 6.9 | 115.8 | 172.4 | *46.9* | *60.6* |
| 1990 | 10.1 | 46.8 | 41.2 | 6.3 | 2.2 | 60.2 | 0.3 | 9.9 | 120.1 | 176.9 | *46.8* | *60.2* |
| 1991 | 12.3 | 52.7 | 43.1 | 5.3 | 2.9 | 61.0 | 0.3 | 7.9 | 120.5 | 185.5 | *52.7* | *61.0* |
| 1992 | 9.6 | 50.4 | 37.2 | 5.3 | 2.4 | 62.8 | 0.1 | 10.9 | 118.7 | 178.7 | *50.4* | *62.8* |
| 1993 | 9.8 | 58.3 | 41.6 | 5.9 | 2.5 | 67.0 | 0.2 | 11.7 | 128.9 | 196.9 | *58.3* | *67.1* |
| 1994 | 9.7 | 59.1 | 42.2 | 6.6 | 2.3 | 67.6 | 0.1 | 13.5 | 132.3 | 201.0 | *59.1* | *67.6* |
| 1995 | 8.9 | 65.7 | 44.1 | 8.6 | 2.7 | 70.5 | (s) | 14.9 | 140.9 | 215.5 | *65.7* | *70.5* |
| 1996 | 7.3 | 69.2 | 46.7 | 4.9 | 9.6 | 73.9 | (s) | 15.1 | 150.3 | 226.8 | *69.2* | *73.9* |
| 1997 | 6.4 | 70.8 | 49.4 | 4.3 | 2.0 | 75.4 | (s) | 15.5 | 146.6 | 223.8 | *70.8* | *75.4* |
| 1998 | 8.8 | 71.9 | 45.5 | 4.1 | 1.5 | 79.7 | (s) | 21.9 | 152.7 | 233.4 | *71.9* | *79.7* |
| 1999 | 8.0 | 73.4 | 52.0 | 4.9 | 3.5 | 82.8 | (s) | 21.9 | 165.1 | 246.4 | *73.4* | *82.8* |
| 2000 | 13.7 | 74.5 | 52.7 | 5.0 | 7.4 | 80.2 | (s) | 21.9 | 167.2 | 255.4 | *74.5* | *80.2* |
| 2001 | 11.4 | 81.8 | 53.2 | 4.1 | 5.4 | 78.7 | 0.1 | 13.8 | 155.3 | 248.5 | *81.8* | *78.7* |
| 2002 | 10.2 | 73.5 | 51.8 | 4.5 | 3.3 | 80.8 | 0.5 | 19.1 | 160.0 | 243.7 | *73.5* | *80.8* |
| 2003 | 10.2 | 71.8 | 48.9 | 3.9 | 3.2 | 76.6 | (s) | 6.4 | 138.9 | 220.9 | *71.8* | *76.6* |
| 2004 | 12.3 | 78.3 | 55.6 | 4.7 | 5.1 | 78.1 | 0.0 | 13.1 | 156.5 | 247.2 | *78.3* | *78.1* |
| 2005 | 11.3 | 78.1 | 59.4 | 4.6 | 5.5 | 76.1 | 1.4 | 12.9 | 159.9 | R 249.4 | *78.1* | *77.3* |
| 2006 | 8.2 | 79.0 | 58.1 | 5.6 | 5.7 | 80.7 | 0.9 | 14.9 | 165.8 | R 253.1 | *79.0* | *81.8* |
| 2007 | 10.3 | 83.9 | 58.3 | 5.1 | 6.0 | 82.5 | 0.2 | 11.7 | R 163.9 | R 258.1 | *83.9* | *84.4* |
| 2008 | 8.6 | R 90.6 | R 52.5 | 4.8 | 5.8 | R 79.2 | 0.0 | 14.5 | R 156.8 | R 256.0 | R *90.6* | *81.5* |
| 2009 | 8.4 | 86.8 | 50.5 | 3.3 | 5.0 | 79.5 | 0.1 | 12.7 | 151.0 | 246.3 | *86.8* | *82.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Idaho (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 66.3 | 11.4 | NA | NA | 11.4 | 0.0 | NA | NA | 77.7 | -0.3 | 0.0 | 190.7 |
| 1965 | 0.0 | 69.4 | 10.4 | NA | NA | 10.4 | 0.0 | NA | NA | 79.8 | 16.2 | (s) | R 234.8 |
| 1970 | 0.0 | 74.3 | 11.5 | NA | NA | 11.5 | 0.0 | NA | NA | 85.7 | 48.2 | (s) | 296.4 |
| 1971 | 0.0 | 78.3 | 11.2 | NA | NA | 11.2 | 0.0 | NA | NA | 89.4 | R 49.4 | (s) | 311.6 |
| 1972 | 0.0 | 81.4 | 11.4 | NA | NA | 11.4 | 0.0 | NA | NA | 92.8 | R 56.6 | (s) | R 334.0 |
| 1973 | 0.0 | 86.0 | 11.2 | NA | NA | 11.2 | 0.0 | NA | NA | 97.2 | R 51.9 | (s) | R 336.9 |
| 1974 | 0.0 | 101.1 | 10.3 | NA | NA | 10.3 | 0.0 | NA | NA | 111.5 | R 49.5 | (s) | R 347.8 |
| 1975 | 0.0 | 106.9 | 11.1 | NA | NA | 11.1 | 0.0 | NA | NA | 118.0 | R 38.1 | 0.0 | R 358.8 |
| 1976 | 0.0 | 107.6 | 13.8 | NA | NA | 13.8 | 0.0 | NA | NA | 121.4 | R 45.5 | 0.0 | R 362.2 |
| 1977 | 0.0 | 70.4 | 15.5 | NA | NA | 15.5 | 0.0 | NA | NA | 86.0 | R 85.2 | 0.0 | R 366.4 |
| 1978 | 0.0 | 102.3 | 17.1 | NA | NA | 17.1 | 0.0 | NA | NA | 119.3 | R 49.0 | 0.0 | R 369.9 |
| 1979 | 0.0 | 94.9 | 18.8 | NA | NA | 18.8 | 0.0 | NA | NA | 113.7 | R 66.3 | 0.0 | R 384.0 |
| 1980 | 0.0 | 98.8 | 14.6 | NA | NA | 14.6 | 0.0 | NA | NA | 113.4 | R 60.3 | 0.0 | R 347.7 |
| 1981 | 0.0 | 99.4 | 16.3 | 0.0 | 0.0 | 16.3 | 0.0 | NA | NA | 115.7 | R 89.7 | 0.0 | R 361.9 |
| 1982 | 0.0 | 121.2 | 16.1 | (s) | 0.0 | 16.1 | 0.0 | NA | NA | 137.3 | R 63.8 | 0.0 | R 350.3 |
| 1983 | 0.0 | 134.4 | 17.9 | 0.1 | 0.0 | 18.0 | 0.0 | NA | 0.0 | 152.3 | R 46.4 | 0.0 | R 345.6 |
| 1984 | 0.0 | 137.8 | 18.2 | 0.1 | 0.2 | 18.4 | 0.0 | 0.0 | 0.0 | 156.2 | R 42.5 | 0.0 | R 346.8 |
| 1985 | 0.0 | 113.5 | 18.3 | 0.1 | 0.3 | R 18.7 | 0.0 | 0.0 | 0.0 | 132.2 | R 70.4 | 0.2 | R 354.8 |
| 1986 | 0.0 | 126.9 | 18.9 | 0.2 | 0.4 | 19.4 | 0.0 | 0.0 | 0.0 | 146.4 | R 47.8 | 0.0 | R 342.1 |
| 1987 | 0.0 | 84.4 | 16.4 | 0.2 | 0.4 | 17.0 | 0.0 | 0.0 | 0.0 | R 101.4 | R 92.0 | 0.1 | R 345.5 |
| 1988 | 0.0 | 69.6 | 17.0 | 0.4 | 0.4 | 17.8 | 0.0 | 0.0 | 0.0 | 87.4 | R 118.3 | 0.3 | R 365.7 |
| 1989 | 0.0 | 97.5 | 25.8 | 0.7 | 0.4 | 26.8 | 0.5 | (s) | 0.0 | R 124.8 | R 102.3 | 0.1 | R 399.7 |
| 1990 | 0.0 | 94.8 | 23.5 | 0.6 | 0.3 | R 24.3 | 0.5 | (s) | 0.0 | 119.7 | R 106.0 | 0.4 | R 403.0 |
| 1991 | 0.0 | 91.3 | 23.4 | 0.6 | 0.4 | 24.4 | 0.5 | (s) | 0.0 | 116.2 | R 108.7 | 0.5 | R 410.9 |
| 1992 | 0.0 | 68.8 | 25.1 | 0.4 | 0.3 | 25.8 | 0.5 | (s) | 0.0 | R 95.1 | R 140.5 | 0.9 | R 415.2 |
| 1993 | 0.0 | 100.2 | 24.8 | 0.1 | 0.3 | 25.2 | 0.5 | (s) | 0.0 | 125.9 | R 106.8 | 0.0 | R 429.7 |
| 1994 | 0.0 | 81.7 | 23.6 | 0.1 | 0.4 | 24.1 | 0.5 | (s) | 0.0 | 106.3 | R 136.2 | 0.2 | R 443.7 |
| 1995 | 0.0 | 113.3 | 25.2 | (s) | 0.4 | 25.6 | 0.5 | (s) | 0.0 | 139.5 | R 103.4 | (s) | R 458.4 |
| 1996 | 0.0 | 137.3 | 26.0 | 0.0 | 0.1 | 26.2 | 0.5 | (s) | 0.0 | 164.0 | R 102.9 | 0.6 | R 494.3 |
| 1997 | 0.0 | 149.9 | 28.4 | 0.0 | 0.2 | 28.6 | 0.5 | (s) | 0.0 | 179.0 | R 94.8 | 0.6 | R 498.2 |
| 1998 | 0.0 | 131.9 | 27.1 | 0.0 | 0.3 | 27.4 | 0.6 | (s) | 0.0 | 159.8 | R 109.6 | 0.5 | R 503.3 |
| 1999 | 0.0 | 138.0 | 27.9 | 0.0 | 0.3 | 28.2 | 1.3 | (s) | 0.0 | 167.5 | R 113.0 | 0.2 | R 527.0 |
| 2000 | 0.0 | 111.9 | 27.6 | 0.0 | 0.3 | 27.9 | 1.3 | (s) | 0.0 | 141.1 | R 139.3 | 0.4 | R 536.3 |
| 2001 | 0.0 | 74.6 | 28.1 | 0.0 | 0.3 | 28.4 | 1.5 | (s) | 0.0 | 104.6 | R 145.3 | (s) | R 498.3 |
| 2002 | 0.0 | 89.2 | 22.0 | 0.0 | 0.4 | 22.4 | 1.5 | (s) | 0.0 | 113.2 | R 134.0 | (s) | R 490.9 |
| 2003 | 0.0 | 85.6 | 22.5 | 0.0 | 0.5 | 23.0 | 1.3 | (s) | 0.0 | 109.8 | R 134.6 | (s) | R 465.3 |
| 2004 | 0.0 | 84.8 | 25.7 | 0.0 | 0.2 | 25.9 | 1.4 | (s) | 0.0 | 112.1 | R 139.5 | 0.1 | R 498.9 |
| 2005 | 0.0 | 85.4 | R 34.1 | 1.2 | 0.0 | R 35.3 | 1.5 | (s) | 0.0 | R 122.2 | R 137.8 | 0.3 | R 509.7 |
| 2006 | 0.0 | 111.5 | R 32.0 | 1.1 | 0.0 | R 33.1 | 1.5 | (s) | 1.7 | R 147.8 | R 119.9 | 0.1 | R 521.0 |
| 2007 | 0.0 | 89.2 | R 33.1 | 1.9 | 0.1 | R 35.1 | 1.5 | (s) | 1.7 | R 127.5 | R 149.7 | 0.2 | R 535.4 |
| 2008 | 0.0 | 92.3 | R 31.5 | 2.3 | 2.1 | R 35.9 | R 2.3 | (s) | 2.0 | R 132.6 | R 147.1 | -0.1 | R 535.5 |
| 2009 | 0.0 | 101.8 | 31.1 | 2.7 | 0.7 | 34.6 | 2.1 | (s) | 3.1 | 141.6 | 121.2 | -0.2 | 509.0 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 699 | 22 | 4,072 | 899 | 455 | 6,965 | 205 | 887 | 13,484 | (s) | – – | – – | – – | – – | 5,573 | – – | – – | – – |
| 1965 | 673 | 34 | 4,803 | 870 | 560 | 7,654 | 356 | 1,576 | 15,818 | (s) | – – | – – | – – | – – | 7,408 | – – | – – | – – |
| 1970 | 353 | 47 | 5,600 | 960 | 1,057 | 9,684 | 277 | 1,700 | 19,277 | 0 | – – | – – | – – | – – | 10,494 | – – | – – | – – |
| 1975 | 647 | 60 | 7,554 | 950 | 1,184 | 11,288 | 684 | 1,307 | 22,967 | 0 | – – | – – | – – | – – | 12,513 | – – | – – | – – |
| 1980 | 514 | 49 | 5,662 | 1,243 | 993 | 11,078 | 613 | 1,141 | 20,730 | 0 | – – | – – | – – | – – | 13,707 | – – | – – | – – |
| 1985 | 486 | 39 | 5,286 | 1,122 | 778 | 10,672 | 86 | 884 | 18,827 | 0 | – – | – – | – – | – – | 16,402 | – – | – – | – – |
| 1990 | 549 | 46 | 7,078 | 1,143 | 610 | 11,453 | 47 | 1,516 | 21,845 | 0 | – – | – – | – – | – – | 18,003 | – – | – – | – – |
| 1995 | 465 | 64 | 7,567 | 1,568 | 758 | 13,521 | 7 | 2,280 | 25,701 | 0 | – – | – – | – – | – – | 19,620 | – – | – – | – – |
| 2000 | 623 | 71 | 9,041 | 880 | 2,045 | 15,392 | 2 | 3,330 | 30,691 | 0 | – – | – – | – – | – – | 22,834 | – – | – – | – – |
| 2001 | 553 | 70 | 9,119 | 724 | 1,495 | 15,098 | 23 | 2,112 | 28,571 | 0 | – – | – – | – – | – – | 21,096 | – – | – – | – – |
| 2002 | 487 | 69 | 8,893 | 793 | 926 | 15,511 | 80 | 2,909 | 29,112 | 0 | – – | – – | – – | – – | 20,700 | – – | – – | – – |
| 2003 | 503 | 60 | 8,388 | 686 | 871 | 14,711 | (s) | 993 | 25,649 | 0 | – – | – – | – – | – – | 21,219 | – – | – – | – – |
| 2004 | 607 | 63 | 9,542 | 822 | 1,412 | 14,969 | 0 | 2,018 | 28,764 | 0 | – – | – – | – – | – – | 21,809 | – – | – – | – – |
| 2005 | 548 | 63 | 10,198 | 819 | 1,512 | 14,806 | 221 | 1,988 | 29,545 | 0 | – – | – – | – – | – – | 21,853 | – – | – – | – – |
| 2006 | 403 | 66 | 9,969 | 981 | 1,575 | 15,681 | 145 | 2,284 | 30,635 | 0 | – – | – – | – – | – – | 22,762 | – – | – – | – – |
| 2007 | 504 | 69 | 10,014 | 903 | 1,670 | 16,174 | 37 | 1,794 | 30,592 | 0 | – – | – – | – – | – – | 23,755 | – – | – – | – – |
| 2008 | 432 | 76 | 9,019 | 842 | 1,602 | 15,616 | 0 | 2,210 | 29,288 | 0 | – – | – – | – – | – – | 23,901 | – – | – – | – – |
| 2009 | 422 | 72 | 8,661 | 576 | 1,417 | 15,755 | 8 | 1,952 | 28,370 | 0 | – – | – – | – – | – – | 22,754 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 16.8 | 22.8 | 23.7 | 4.8 | 1.8 | 36.6 | 1.3 | 5.5 | 73.7 | (s) | 11.4 | NA | NA | NA | 19.0 | 143.7 | 47.0 | 190.7 |
| 1965 | 15.9 | 36.1 | 28.0 | 4.7 | 2.2 | 40.2 | 2.2 | 9.6 | 86.9 | (s) | 10.4 | NA | NA | NA | 25.3 | 174.5 | 60.3 | 234.8 |
| 1970 | 7.9 | 49.4 | 32.6 | 5.2 | 4.0 | 50.9 | 1.7 | 10.7 | 105.1 | 0.0 | 11.5 | NA | NA | NA | 35.8 | 209.8 | 86.6 | 296.4 |
| 1975 | 13.4 | 63.8 | 44.0 | 5.2 | 4.4 | 59.3 | 4.3 | 8.3 | 125.4 | 0.0 | 11.1 | NA | NA | NA | 42.7 | 256.4 | 102.4 | 358.8 |
| 1980 | 9.6 | 51.6 | 33.0 | 6.8 | 3.7 | 58.2 | 3.9 | 7.2 | 112.7 | 0.0 | 14.6 | NA | NA | NA | 46.8 | 235.3 | 112.4 | 347.7 |
| 1985 | 8.9 | 41.1 | 30.8 | 6.1 | 2.8 | 56.1 | 0.5 | 5.6 | 101.9 | 0.0 | 18.3 | 0.3 | NA | NA | 56.0 | 226.6 | 128.2 | 354.8 |
| 1990 | 10.1 | 46.8 | 41.2 | 6.3 | 2.2 | 60.2 | 0.3 | 9.9 | 120.0 | 0.0 | 22.3 | 0.3 | 0.5 | (s) | 61.4 | 262.0 | 140.9 | 403.0 |
| 1995 | 8.9 | 65.7 | 44.1 | 8.6 | 2.7 | 70.5 | (s) | 14.9 | 140.9 | 0.0 | 23.9 | 0.4 | 0.5 | (s) | 66.9 | 307.3 | 151.1 | 458.4 |
| 2000 | 13.7 | 72.7 | 52.7 | 5.0 | 7.4 | 80.2 | (s) | 21.9 | 167.2 | 0.0 | 26.9 | 0.3 | 1.3 | (s) | 77.9 | 360.1 | 176.2 | 536.3 |
| 2001 | 11.4 | 71.0 | 53.1 | 4.1 | 5.4 | 78.7 | 0.1 | 13.8 | 155.2 | 0.0 | 27.4 | 0.3 | 1.5 | (s) | 72.0 | 338.9 | 159.5 | 498.3 |
| 2002 | 10.2 | 70.8 | 51.8 | 4.5 | 3.3 | 80.8 | 0.5 | 19.1 | 160.0 | 0.0 | 20.7 | 0.4 | 1.5 | (s) | 70.6 | 334.3 | 156.5 | 490.9 |
| 2003 | 10.2 | 62.1 | 48.9 | 3.9 | 3.2 | 76.6 | (s) | 6.4 | 138.9 | 0.0 | 21.0 | 0.5 | 1.3 | (s) | 72.4 | 306.5 | 158.8 | 465.3 |
| 2004 | 12.3 | 66.0 | 55.6 | 4.7 | 5.1 | 78.1 | 0.0 | 13.1 | 156.5 | 0.0 | 24.3 | 0.2 | 1.4 | (s) | 74.4 | 335.2 | 163.7 | 498.9 |
| 2005 | 11.3 | 66.5 | 59.4 | 4.6 | 5.5 | 77.3 | 1.4 | 12.9 | 161.1 | 0.0 | 32.6 | 0.0 | 1.5 | (s) | 74.6 | 347.6 | 162.1 | 509.7 |
| 2006 | 8.2 | 69.2 | 58.1 | 5.6 | 5.7 | 81.8 | 0.9 | 14.9 | 167.0 | 0.0 | 30.5 | 0.0 | 1.5 | (s) | 77.7 | 354.0 | 167.0 | 521.0 |
| 2007 | 10.3 | 71.1 | 58.3 | 5.1 | 6.0 | 84.4 | 0.2 | 11.7 | 165.8 | 0.0 | 31.7 | 0.1 | 1.5 | (s) | 81.1 | 361.6 | 173.9 | 535.4 |
| 2008 | 8.6 | 77.9 | 52.5 | 4.8 | 5.8 | 81.5 | 0.0 | 14.5 | 159.1 | 0.0 | 30.2 | 2.1 | 1.5 | (s) | 81.6 | 361.0 | 174.5 | 535.5 |
| 2009 | 8.4 | 74.0 | 50.5 | 3.3 | 5.0 | 82.2 | 0.1 | 12.7 | 153.8 | 0.0 | 29.6 | 0.7 | 1.4 | (s) | 77.6 | 345.6 | 163.4 | 509.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 279 | 2 | 663 | 0 | 269 | 932 | 278 | – – | – – | 1,463 | – – | – – | – – |
| 1965 | 200 | 5 | 708 | 0 | 299 | 1,007 | 200 | – – | – – | 1,779 | – – | – – | – – |
| 1970 | 102 | 8 | 837 | 0 | 610 | 1,447 | 146 | – – | – – | 2,354 | – – | – – | – – |
| 1975 | 57 | 14 | 972 | 0 | 611 | 1,583 | 160 | – – | – – | 3,870 | – – | – – | – – |
| 1980 | 24 | 7 | 485 | 0 | 271 | 756 | 144 | – – | – – | 4,936 | – – | – – | – – |
| 1985 | 10 | 8 | 569 | 2 | 281 | 851 | 222 | – – | – – | 5,780 | – – | – – | – – |
| 1990 | 12 | 9 | 535 | 5 | 273 | 814 | 102 | – – | – – | 5,626 | – – | – – | – – |
| 1995 | 5 | 13 | 440 | 15 | 321 | 776 | 104 | – – | – – | 6,193 | – – | – – | – – |
| 1996 | 3 | 15 | 391 | 13 | 385 | 788 | 107 | – – | – – | 6,508 | – – | – – | – – |
| 1997 | 3 | 15 | 435 | 4 | 371 | 809 | 123 | – – | – – | 6,628 | – – | – – | – – |
| 1998 | 6 | 16 | 372 | 14 | 152 | 538 | 109 | – – | – – | 6,610 | – – | – – | – – |
| 1999 | 7 | 18 | 475 | 6 | 629 | 1,110 | 115 | – – | – – | 6,806 | – – | – – | – – |
| 2000 | 2 | 19 | 396 | 10 | 1,252 | 1,658 | 123 | – – | – – | 7,006 | – – | – – | – – |
| 2001 | 2 | 19 | 365 | 5 | 1,025 | 1,395 | 68 | – – | – – | 6,906 | – – | – – | – – |
| 2002 | 2 | 20 | 350 | 3 | 646 | 999 | 69 | – – | – – | 7,056 | – – | – – | – – |
| 2003 | 2 | 19 | 313 | 4 | 543 | 860 | 73 | – – | – – | 7,090 | – – | – – | – – |
| 2004 | 1 | 21 | 414 | 7 | 996 | 1,417 | 75 | – – | – – | 7,314 | – – | – – | – – |
| 2005 | 1 | 22 | 322 | 5 | 850 | 1,177 | R 406 | – – | – – | 7,601 | – – | – – | – – |
| 2006 | 1 | 22 | 373 | 3 | 894 | 1,271 | R 370 | – – | – – | 8,057 | – – | – – | – – |
| 2007 | 4 | 23 | 248 | 2 | 875 | 1,125 | R 407 | – – | – – | 8,339 | – – | – – | – – |
| 2008 | 1 | 28 | R 222 | 1 | 962 | R 1,185 | R 426 | – – | – – | 8,540 | – – | – – | – – |
| 2009 | 1 | 26 | 175 | 2 | 1,064 | 1,241 | 407 | – – | – – | 8,554 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 6.9 | 2.3 | 3.9 | 0.0 | 1.1 | 4.9 | 5.6 | NA | NA | 5.0 | 24.7 | 12.3 | 37.0 |
| 1965 | 4.9 | 5.2 | 4.1 | 0.0 | 1.2 | 5.3 | 4.0 | NA | NA | 6.1 | 25.5 | 14.5 | 40.0 |
| 1970 | 2.4 | 8.2 | 4.9 | 0.0 | 2.3 | 7.2 | 2.9 | NA | NA | 8.0 | 28.7 | 19.4 | 48.2 |
| 1975 | 1.3 | 14.9 | 5.7 | 0.0 | 2.3 | 7.9 | 3.2 | NA | NA | 13.2 | 40.5 | R 31.7 | 72.2 |
| 1980 | 0.5 | 7.8 | 2.8 | 0.0 | 1.0 | 3.8 | 2.9 | NA | NA | 16.8 | 31.8 | R 40.5 | R 72.3 |
| 1985 | 0.2 | 8.1 | 3.3 | (s) | 1.0 | 4.3 | 4.4 | NA | NA | 19.7 | 36.9 | R 45.2 | R 82.0 |
| 1990 | 0.3 | 8.8 | 3.1 | (s) | 1.0 | 4.1 | 2.0 | 0.1 | (s) | 19.2 | 34.6 | R 44.0 | R 78.6 |
| 1995 | 0.1 | 13.4 | 2.6 | 0.1 | 1.2 | 3.8 | 2.1 | 0.1 | (s) | 21.1 | 40.6 | R 47.7 | R 88.3 |
| 1996 | 0.1 | 15.4 | 2.3 | 0.1 | 1.4 | 3.7 | 2.1 | 0.1 | (s) | 22.2 | 43.7 | R 50.2 | R 93.8 |
| 1997 | 0.1 | 15.7 | 2.5 | (s) | 1.3 | 3.9 | 2.5 | 0.1 | (s) | 22.6 | 44.8 | R 50.9 | R 95.8 |
| 1998 | 0.1 | 16.6 | 2.2 | 0.1 | 0.5 | 2.8 | 2.2 | 0.1 | (s) | 22.6 | 44.4 | R 50.8 | R 95.2 |
| 1999 | 0.1 | 18.6 | 2.8 | (s) | 2.3 | 5.1 | 2.3 | (s) | (s) | 23.2 | 49.4 | R 52.8 | R 102.2 |
| 2000 | (s) | 19.6 | 2.3 | 0.1 | 4.5 | 6.9 | 2.5 | 0.1 | (s) | 23.9 | 53.0 | R 54.1 | R 107.0 |
| 2001 | (s) | 19.5 | 2.1 | (s) | 3.7 | 5.9 | 1.4 | 0.1 | (s) | 23.6 | 50.3 | R 52.2 | R 102.5 |
| 2002 | (s) | 21.0 | 2.0 | (s) | 2.3 | 4.4 | 1.4 | 0.1 | (s) | 24.1 | 51.0 | R 53.4 | R 104.3 |
| 2003 | (s) | 19.5 | 1.8 | (s) | 2.0 | 3.8 | 1.5 | 0.1 | (s) | 24.2 | 49.1 | R 53.1 | R 102.2 |
| 2004 | (s) | 21.5 | 2.4 | (s) | 3.6 | 6.1 | 1.5 | 0.1 | (s) | 25.0 | 54.1 | R 54.9 | R 109.0 |
| 2005 | (s) | 22.7 | 1.9 | (s) | 3.1 | 5.0 | R 8.1 | 0.1 | (s) | 25.9 | R 61.9 | R 56.4 | R 118.3 |
| 2006 | (s) | 23.5 | 2.2 | (s) | 3.2 | 5.4 | R 7.4 | 0.1 | (s) | 27.5 | R 63.9 | R 59.1 | R 123.0 |
| 2007 | 0.1 | 24.0 | 1.4 | (s) | 3.1 | 4.6 | R 8.1 | 0.1 | (s) | 28.5 | R 65.4 | R 61.0 | R 126.4 |
| 2008 | (s) | 28.2 | 1.3 | (s) | 3.5 | 4.8 | R 8.5 | 0.1 | (s) | 29.1 | R 70.8 | R 62.4 | R 133.2 |
| 2009 | (s) | 26.1 | 1.0 | (s) | 3.8 | 4.8 | 8.1 | 0.1 | (s) | 29.2 | 68.4 | 61.4 | 129.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 194 | 3 | 232 | 102 | 100 | 45 | 0 | 480 | NA | – – | – – | 1,261 | – – | – – | – – |
| 1965 | 151 | 5 | 248 | 500 | 111 | 52 | 0 | 911 | NA | – – | – – | 1,290 | – – | – – | – – |
| 1970 | 80 | 6 | 294 | 116 | 227 | 65 | 0 | 701 | NA | – – | – – | 2,088 | – – | – – | – – |
| 1975 | 132 | 12 | 341 | 81 | 227 | 90 | 0 | 739 | NA | – – | – – | 3,530 | – – | – – | – – |
| 1980 | 89 | 6 | 218 | 0 | 101 | 100 | 487 | 905 | NA | – – | – – | 3,973 | – – | – – | – – |
| 1985 | 36 | 9 | 328 | 3 | 104 | 134 | 25 | 595 | NA | – – | – – | 4,592 | – – | – – | – – |
| 1990 | 48 | 9 | 344 | 1 | 102 | 148 | 19 | 614 | 0 | – – | – – | 5,212 | – – | – – | – – |
| 1995 | 34 | 10 | 392 | 3 | 119 | 38 | 4 | 557 | 0 | – – | – – | 5,584 | – – | – – | – – |
| 1996 | 25 | 12 | 455 | 4 | 143 | 167 | 4 | 773 | 0 | – – | – – | 6,231 | – – | – – | – – |
| 1997 | 27 | 11 | 351 | 1 | 138 | 39 | 1 | 530 | 0 | – – | – – | 6,285 | – – | – – | – – |
| 1998 | 51 | 12 | 412 | 3 | 56 | 33 | 3 | 508 | 0 | – – | – – | 6,273 | – – | – – | – – |
| 1999 | 48 | 13 | 515 | 1 | 234 | 40 | 0 | 790 | 0 | – – | – – | 6,745 | – – | – – | – – |
| 2000 | 17 | 13 | 432 | 2 | 466 | 32 | 0 | 931 | 0 | – – | – – | 7,420 | – – | – – | – – |
| 2001 | 17 | 14 | 372 | 5 | 381 | 32 | 0 | 789 | 0 | – – | – – | 6,885 | – – | – – | – – |
| 2002 | 16 | 14 | 328 | 1 | 240 | 26 | 0 | 596 | 0 | – – | – – | 7,292 | – – | – – | – – |
| 2003 | 12 | 12 | 297 | 1 | 210 | 15 | 0 | 523 | 0 | – – | – – | 5,466 | – – | – – | – – |
| 2004 | 6 | 13 | 401 | 4 | 296 | 16 | 0 | 717 | 0 | – – | – – | 5,484 | – – | – – | – – |
| 2005 | 12 | 13 | 336 | 4 | 347 | 16 | 0 | 703 | 0 | – – | – – | 5,615 | – – | – – | – – |
| 2006 | 11 | 14 | 286 | 2 | 324 | 52 | 0 | 664 | 0 | – – | – – | 5,813 | – – | – – | – – |
| 2007 | 40 | 14 | 257 | 1 | 340 | 21 | 0 | 619 | 0 | – – | – – | 6,015 | – – | – – | – – |
| 2008 | 8 | 16 | R 230 | (s) | 376 | 71 | 0 | R 677 | 0 | – – | – – | 6,049 | – – | – – | – – |
| 2009 | 7 | 16 | 260 | 1 | 237 | 27 | 0 | 524 | 0 | – – | – – | 6,005 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 4.8 | 2.9 | 1.4 | 0.6 | 0.4 | 0.2 | 0.0 | 2.6 | NA | 0.1 | NA | 4.3 | 14.7 | 10.6 | 25.3 |
| 1965 | 3.7 | 5.4 | 1.4 | 2.8 | 0.4 | 0.3 | 0.0 | 5.0 | NA | 0.1 | NA | 4.4 | 18.6 | 10.5 | 29.1 |
| 1970 | 1.9 | 6.2 | 1.7 | 0.7 | 0.9 | 0.3 | 0.0 | 3.6 | NA | 0.1 | NA | 7.1 | 18.9 | 17.2 | 36.1 |
| 1975 | 3.0 | 12.8 | 2.0 | 0.5 | 0.8 | 0.5 | 0.0 | 3.8 | NA | 0.1 | NA | 12.0 | 31.7 | R 28.9 | R 60.6 |
| 1980 | 2.0 | 6.1 | 1.3 | 0.0 | 0.4 | 0.5 | 3.1 | 5.2 | NA | 0.1 | NA | 13.6 | 26.9 | R 32.6 | R 59.5 |
| 1985 | 0.8 | 9.4 | 1.9 | (s) | 0.4 | 0.7 | 0.2 | 3.2 | NA | 0.1 | NA | 15.7 | 29.2 | R 35.9 | R 65.1 |
| 1990 | 1.1 | 8.8 | 2.0 | (s) | 0.4 | 0.8 | 0.1 | 3.3 | 0.0 | 0.2 | 0.2 | 17.8 | 31.3 | R 40.8 | R 72.1 |
| 1995 | 0.7 | 10.7 | 2.3 | (s) | 0.4 | 0.2 | (s) | 3.0 | 0.0 | 0.3 | 0.2 | 19.1 | 33.9 | R 43.0 | R 76.9 |
| 1996 | 0.5 | 11.9 | 2.6 | (s) | 0.5 | 0.9 | (s) | 4.1 | 0.0 | 0.3 | 0.2 | 21.3 | 38.2 | R 48.0 | R 86.2 |
| 1997 | 0.6 | 11.8 | 2.0 | (s) | 0.5 | 0.2 | (s) | 2.8 | 0.0 | 0.4 | 0.2 | 21.4 | 37.2 | R 48.3 | R 85.4 |
| 1998 | 1.0 | 12.1 | 2.4 | (s) | 0.2 | 0.2 | (s) | 2.8 | 0.0 | 0.4 | 0.2 | 21.4 | 37.9 | R 48.2 | R 86.1 |
| 1999 | 1.0 | 13.1 | 3.0 | (s) | 0.8 | 0.2 | 0.0 | 4.1 | 0.0 | 0.4 | 0.4 | 23.0 | 42.0 | R 52.3 | R 94.3 |
| 2000 | 0.4 | 13.7 | 2.5 | (s) | 1.7 | 0.2 | 0.0 | 4.4 | 0.0 | 0.4 | 0.5 | 25.3 | 44.7 | R 57.3 | R 101.9 |
| 2001 | 0.4 | 13.9 | 2.2 | (s) | 1.4 | 0.2 | 0.0 | 3.7 | 0.0 | 0.2 | 0.5 | 23.5 | 42.2 | R 52.0 | R 94.3 |
| 2002 | 0.4 | 14.0 | 1.9 | (s) | 0.9 | 0.1 | 0.0 | 2.9 | 0.0 | 0.2 | 0.5 | 24.9 | 42.9 | R 55.1 | R 98.1 |
| 2003 | 0.3 | 12.4 | 1.7 | (s) | 0.8 | 0.1 | 0.0 | 2.6 | 0.0 | 0.3 | 0.6 | 18.7 | 34.7 | R 40.9 | R 75.6 |
| 2004 | 0.1 | 13.5 | 2.3 | (s) | 1.1 | 0.1 | 0.0 | 3.5 | 0.0 | 0.2 | 0.6 | 18.7 | 36.7 | R 41.2 | R 77.9 |
| 2005 | 0.2 | 13.9 | 2.0 | (s) | 1.3 | 0.1 | 0.0 | 3.3 | 0.0 | R 1.3 | 0.6 | 19.2 | R 38.6 | R 41.7 | R 80.2 |
| 2006 | 0.2 | 14.2 | 1.7 | (s) | 1.2 | 0.3 | 0.0 | 3.1 | 0.0 | R 1.2 | 0.6 | 19.8 | R 39.2 | R 42.6 | R 81.8 |
| 2007 | 0.9 | 14.6 | 1.5 | (s) | 1.2 | 0.1 | 0.0 | 2.8 | 0.0 | R 1.3 | 0.6 | 20.5 | R 40.7 | R 44.0 | R 84.8 |
| 2008 | 0.2 | 16.7 | 1.3 | (s) | 1.4 | 0.4 | 0.0 | 3.1 | 0.0 | R 1.4 | 0.5 | 20.6 | R 42.5 | R 44.2 | R 86.7 |
| 2009 | 0.2 | 16.1 | 1.5 | (s) | 0.8 | 0.1 | 0.0 | 2.5 | 0.0 | 1.3 | 0.5 | 20.5 | 41.1 | 43.1 | 84.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 222 | 17 | 2,529 | 79 | 930 | 153 | 525 | 4,217 | (s) | – – | – – | – – | 2,849 | – – | – – | – – |
| 1965 | 321 | 23 | 2,768 | 146 | 859 | 301 | 771 | 4,846 | (s) | – – | – – | – – | 4,340 | – – | – – | – – |
| 1970 | 171 | 29 | 3,206 | 212 | 626 | 275 | 1,311 | 5,630 | 0 | – – | – – | – – | 6,052 | – – | – – | – – |
| 1975 | 459 | 30 | 3,935 | 325 | 801 | 684 | 988 | 6,734 | 0 | – – | – – | – – | 5,112 | – – | – – | – – |
| 1980 | 401 | 32 | 2,209 | 598 | 639 | 126 | 841 | 4,413 | 0 | – – | – – | – – | 4,798 | – – | – – | – – |
| 1985 | 439 | 19 | 1,568 | 333 | 511 | 61 | 674 | 3,147 | 0 | – – | – – | – – | 6,029 | – – | – – | – – |
| 1990 | 489 | 23 | 2,756 | 187 | 352 | 28 | 1,329 | 4,652 | 0 | – – | – – | – – | 7,165 | – – | – – | – – |
| 1995 | 426 | 34 | 2,265 | 291 | 400 | 3 | 2,079 | 5,038 | 0 | – – | – – | – – | 7,843 | – – | – – | – – |
| 1996 | 369 | 35 | 2,169 | 2,106 | 412 | 2 | 2,103 | 6,793 | 0 | – – | – – | – – | 9,042 | – – | – – | – – |
| 1997 | 330 | 35 | 2,351 | 31 | 425 | 1 | 2,161 | 4,970 | 0 | – – | – – | – – | 9,481 | – – | – – | – – |
| 1998 | 421 | 34 | 2,039 | 209 | 425 | 1 | 3,122 | 5,796 | 0 | – – | – – | – – | 9,193 | – – | – – | – – |
| 1999 | 376 | 34 | 2,450 | 82 | 335 | 6 | 3,124 | 5,998 | 0 | – – | – – | – – | 9,171 | – – | – – | – – |
| 2000 | 603 | 32 | 2,414 | 307 | 309 | 2 | 3,147 | 6,179 | 0 | – – | – – | – – | 8,408 | – – | – – | – – |
| 2001 | 534 | 30 | 2,535 | 86 | 562 | 23 | 1,914 | 5,119 | 0 | – – | – – | – – | 7,305 | – – | – – | – – |
| 2002 | 469 | 29 | 2,386 | 37 | 581 | 80 | 2,707 | 5,792 | 0 | – – | – – | – – | 6,352 | – – | – – | – – |
| 2003 | 490 | 25 | 2,077 | 106 | 603 | (s) | 811 | 3,597 | 0 | – – | – – | – – | 8,663 | – – | – – | – – |
| 2004 | 600 | 24 | 2,540 | 77 | 703 | 0 | 1,798 | 5,117 | 0 | – – | – – | – – | 9,011 | – – | – – | – – |
| 2005 | 536 | 23 | 2,972 | 282 | 674 | 221 | 1,779 | 5,929 | 0 | – – | – – | – – | 8,636 | – – | – – | – – |
| 2006 | 391 | 23 | 2,395 | 316 | 724 | 145 | R 2,084 | R 5,664 | 0 | – – | – – | – – | 8,891 | – – | – – | – – |
| 2007 | 459 | 24 | 2,307 | 428 | 670 | 37 | R 1,593 | R 5,036 | 0 | – – | – – | – – | 9,401 | – – | – – | – – |
| 2008 | 423 | 25 | R 2,160 | R 218 | 617 | 0 | R 2,057 | R 5,052 | 0 | – – | – – | – – | 9,313 | – – | – – | – – |
| 2009 | 414 | 24 | 2,302 | 99 | 551 | 8 | 1,774 | 4,734 | 0 | – – | – – | – – | 8,195 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 5.0 | 17.1 | 14.7 | 0.3 | 4.9 | 1.0 | 3.5 | 24.4 | (s) | 5.7 | NA | NA | 9.7 | 61.9 | 24.0 | R 85.9 |
| 1965 | 7.2 | 24.4 | 16.1 | 0.6 | 4.5 | 1.9 | 5.1 | 28.2 | (s) | 6.3 | NA | NA | 14.8 | 80.8 | R 35.3 | 116.2 |
| 1970 | 3.6 | 30.6 | 18.7 | 0.8 | 3.3 | 1.7 | 8.6 | 33.0 | 0.0 | 8.5 | NA | NA | 20.6 | 96.4 | 50.0 | 146.3 |
| 1975 | 9.1 | 31.6 | 22.9 | 1.2 | 4.2 | 4.3 | 6.5 | 39.1 | 0.0 | 7.8 | NA | NA | 17.4 | 105.1 | R 41.8 | R 147.0 |
| 1980 | 7.1 | 33.3 | 12.9 | 2.2 | 3.4 | 0.8 | 5.6 | 24.8 | 0.0 | 11.7 | NA | NA | 16.4 | 93.3 | R 39.3 | R 132.6 |
| 1985 | 7.8 | 20.4 | 9.1 | 1.2 | 2.7 | 0.4 | 4.4 | 17.8 | 0.0 | 13.7 | 0.3 | NA | 20.6 | 80.7 | R 47.1 | R 127.8 |
| 1990 | 8.7 | 24.0 | 16.1 | 0.7 | 1.9 | 0.2 | 8.8 | 27.5 | 0.0 | 20.0 | 0.3 | 0.3 | 24.4 | 105.3 | R 56.1 | R 161.4 |
| 1995 | 8.1 | 35.0 | 13.2 | 1.1 | 2.1 | (s) | 13.7 | 30.1 | 0.0 | 21.6 | 0.4 | 0.3 | 26.8 | 122.2 | R 60.4 | R 182.6 |
| 1996 | 6.7 | 35.6 | 12.6 | 7.6 | 2.1 | (s) | 13.9 | 36.3 | 0.0 | 22.4 | 0.1 | 0.3 | 30.9 | 132.2 | R 69.7 | R 202.0 |
| 1997 | 5.7 | 36.1 | 13.7 | 0.1 | 2.2 | (s) | 14.3 | 30.3 | 0.0 | 24.2 | 0.2 | 0.3 | 32.3 | 129.2 | R 72.8 | R 202.0 |
| 1998 | 7.6 | 35.6 | 11.9 | 0.8 | 2.2 | (s) | 20.7 | 35.5 | 0.0 | 23.2 | 0.3 | 0.3 | 31.4 | 133.9 | R 70.7 | R 204.6 |
| 1999 | 6.8 | 35.1 | 14.3 | 0.3 | 1.7 | (s) | 20.7 | 37.0 | 0.0 | 24.5 | 0.3 | 0.8 | 31.3 | 135.8 | R 71.1 | R 206.9 |
| 2000 | 13.3 | 33.3 | 14.1 | 1.1 | 1.6 | (s) | 20.8 | 37.6 | 0.0 | 24.1 | 0.3 | 0.8 | 28.7 | 138.0 | R 64.9 | R 202.9 |
| 2001 | 11.0 | 31.0 | 14.8 | 0.3 | 2.9 | 0.1 | 12.7 | 30.8 | 0.0 | 25.8 | 0.3 | 0.9 | 24.9 | 124.7 | R 55.2 | R 179.9 |
| 2002 | 9.8 | 29.6 | 13.9 | 0.1 | 3.0 | 0.5 | 17.9 | 35.5 | 0.0 | 19.1 | 0.4 | 0.9 | 21.7 | 117.0 | R 48.0 | R 165.0 |
| 2003 | 9.9 | 25.5 | 12.1 | 0.4 | 3.1 | (s) | 5.3 | 21.0 | 0.0 | 19.3 | 0.5 | 0.7 | 29.6 | 106.4 | R 64.8 | R 171.2 |
| 2004 | 12.2 | 24.9 | 14.8 | 0.3 | 3.7 | 0.0 | 11.9 | 30.6 | 0.0 | 22.5 | 0.2 | 0.7 | 30.7 | 122.0 | R 67.6 | R 189.6 |
| 2005 | 11.0 | 24.1 | 17.3 | 1.0 | 3.5 | 1.4 | 11.8 | 35.0 | 0.0 | 23.2 | 0.0 | 0.8 | 29.5 | 123.6 | R 64.1 | R 187.7 |
| 2006 | 8.0 | 24.6 | 14.0 | 1.1 | 3.8 | 0.9 | 13.8 | 33.6 | 0.0 | R 21.9 | 0.0 | 0.9 | 30.3 | R 119.2 | R 65.2 | R 184.4 |
| 2007 | 9.2 | 24.7 | 13.4 | 1.5 | 3.5 | 0.2 | 10.5 | 29.2 | 0.0 | R 22.3 | 0.1 | 0.9 | 32.1 | R 118.6 | R 68.8 | R 187.4 |
| 2008 | 8.4 | 25.8 | R 12.6 | 0.8 | 3.2 | 0.0 | 13.6 | R 30.2 | 0.0 | R 20.3 | 2.1 | 0.9 | 31.8 | R 119.5 | R 68.0 | R 187.5 |
| 2009 | 8.3 | 24.8 | 13.4 | 0.4 | 2.9 | 0.1 | 11.7 | 28.4 | 0.0 | 20.1 | 0.7 | 0.7 | 28.0 | 111.0 | 58.8 | 169.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 4 | (s) | 133 | 648 | 899 | 7 | 127 | 5,990 | 52 | 7,856 | 0 | – – | – – | – – |
| 1965 | 1 | 1 | 177 | 1,079 | 870 | 4 | 128 | 6,743 | 55 | 9,055 | 0 | – – | – – | – – |
| 1970 | (s) | 4 | 154 | 1,263 | 960 | 9 | 119 | 8,993 | 2 | 11,500 | 0 | – – | – – | – – |
| 1975 | (s) | 4 | 120 | 2,306 | 950 | 21 | 119 | 10,396 | 0 | 13,912 | 0 | – – | – – | – – |
| 1980 | 0 | 4 | 162 | 2,750 | 1,243 | 23 | 138 | 10,339 | 0 | 14,655 | 0 | – – | – – | – – |
| 1985 | 0 | 3 | 80 | 2,821 | 1,122 | 59 | 126 | 10,026 | 0 | 14,234 | 0 | – – | – – | – – |
| 1990 | 0 | 5 | 39 | 3,443 | 1,143 | 48 | 141 | 10,952 | 0 | 15,766 | 0 | – – | – – | – – |
| 1995 | 0 | 6 | 48 | 4,470 | 1,568 | 27 | 135 | 13,083 | 0 | 19,331 | 0 | – – | – – | – – |
| 1996 | 0 | 6 | 55 | 5,008 | 874 | 21 | 131 | 13,595 | 0 | 19,684 | 0 | – – | – – | – – |
| 1997 | 0 | 5 | 72 | 5,341 | 760 | 10 | 138 | 13,998 | 0 | 20,318 | 0 | – – | – – | – – |
| 1998 | 0 | 6 | 61 | 4,989 | 718 | 2 | 145 | 14,827 | 0 | 20,742 | 0 | – – | – – | – – |
| 1999 | 0 | 5 | 67 | 5,484 | 856 | 10 | 146 | 15,511 | 0 | 22,075 | 0 | – – | – – | – – |
| 2000 | 0 | 6 | 27 | 5,799 | 880 | 20 | 144 | 15,051 | 0 | 21,922 | 0 | – – | – – | – – |
| 2001 | 0 | 7 | 56 | 5,847 | 724 | 4 | 132 | 14,505 | 0 | 21,267 | 0 | – – | – – | – – |
| 2002 | 0 | 6 | 67 | 5,828 | 793 | 2 | 130 | 14,904 | 0 | 21,724 | 0 | – – | – – | – – |
| 2003 | 0 | 5 | 57 | 5,701 | 686 | 12 | 121 | 14,092 | 0 | 20,669 | 0 | – – | – – | – – |
| 2004 | 0 | 6 | 88 | 6,187 | 822 | 43 | 122 | 14,250 | 0 | 21,513 | 0 | – – | – – | – – |
| 2005 | 0 | 5 | 78 | 6,568 | 819 | 33 | 122 | 14,116 | 0 | 21,735 | 0 | – – | – – | – – |
| 2006 | 0 | 7 | 77 | 6,915 | 981 | 41 | 118 | 14,905 | 0 | 23,037 | 0 | – – | – – | – – |
| 2007 | 0 | 8 | 76 | 7,201 | 903 | 27 | 122 | 15,483 | 0 | 23,812 | 0 | – – | – – | – – |
| 2008 | 0 | 7 | 38 | R 6,408 | 842 | R 46 | 114 | 14,927 | 0 | R 22,374 | 0 | – – | – – | – – |
| 2009 | 0 | 7 | 73 | 5,923 | 576 | 18 | 102 | 15,177 | 0 | 21,870 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.1 | 0.5 | 0.7 | 3.8 | 4.8 | (s) | 0.8 | 31.5 | 0.3 | 41.9 | 0.0 | 42.4 | 0.0 | 42.4 |
| 1965 | (s) | 1.1 | 0.9 | 6.3 | 4.7 | (s) | 0.8 | 35.4 | 0.3 | 48.4 | 0.0 | 49.6 | 0.0 | 49.6 |
| 1970 | (s) | 4.5 | 0.8 | 7.4 | 5.2 | (s) | 0.7 | 47.2 | (s) | 61.3 | 0.0 | 65.8 | 0.0 | 65.8 |
| 1975 | (s) | 4.5 | 0.6 | 13.4 | 5.2 | 0.1 | 0.7 | 54.6 | 0.0 | 74.6 | 0.0 | 79.1 | 0.0 | 79.1 |
| 1980 | 0.0 | 4.4 | 0.8 | 16.0 | 6.8 | 0.1 | 0.8 | 54.3 | 0.0 | 78.9 | 0.0 | 83.3 | 0.0 | 83.3 |
| 1985 | 0.0 | 3.1 | 0.4 | 16.4 | 6.1 | 0.2 | 0.8 | 52.7 | 0.0 | 76.6 | 0.0 | 79.8 | 0.0 | 79.8 |
| 1990 | 0.0 | 5.2 | 0.2 | 20.1 | 6.3 | 0.2 | 0.9 | 57.5 | 0.0 | 85.1 | 0.0 | 90.9 | 0.0 | 90.9 |
| 1995 | 0.0 | 6.6 | 0.2 | 26.0 | 8.6 | 0.1 | 0.8 | 68.2 | 0.0 | 104.0 | 0.0 | 110.6 | 0.0 | 110.6 |
| 1996 | 0.0 | 6.1 | 0.3 | 29.2 | 4.9 | 0.1 | 0.8 | 70.9 | 0.0 | 106.1 | 0.0 | 112.3 | 0.0 | 112.3 |
| 1997 | 0.0 | 5.4 | 0.4 | 31.1 | 4.3 | (s) | 0.8 | 73.0 | 0.0 | 109.6 | 0.0 | 115.0 | 0.0 | 115.0 |
| 1998 | 0.0 | 5.7 | 0.3 | 29.1 | 4.1 | (s) | 0.9 | 77.3 | 0.0 | 111.6 | 0.0 | 117.3 | 0.0 | 117.3 |
| 1999 | 0.0 | 4.7 | 0.3 | 31.9 | 4.9 | (s) | 0.9 | 80.8 | 0.0 | 118.9 | 0.0 | 123.6 | 0.0 | 123.6 |
| 2000 | 0.0 | 6.1 | 0.1 | 33.8 | 5.0 | 0.1 | 0.9 | 78.4 | 0.0 | 118.3 | 0.0 | 124.4 | 0.0 | 124.4 |
| 2001 | 0.0 | 6.7 | 0.3 | 34.1 | 4.1 | (s) | 0.8 | 75.6 | 0.0 | 114.8 | 0.0 | 121.6 | 0.0 | 121.6 |
| 2002 | 0.0 | 6.2 | 0.3 | 33.9 | 4.5 | (s) | 0.8 | 77.6 | 0.0 | 117.2 | 0.0 | 123.4 | 0.0 | 123.4 |
| 2003 | 0.0 | 4.8 | 0.3 | 33.2 | 3.9 | (s) | 0.7 | 73.4 | 0.0 | 111.5 | 0.0 | 116.3 | 0.0 | 116.3 |
| 2004 | 0.0 | 6.1 | 0.4 | 36.0 | 4.7 | 0.2 | 0.7 | 74.3 | 0.0 | 116.4 | 0.0 | 122.5 | 0.0 | 122.5 |
| 2005 | 0.0 | 5.7 | 0.4 | 38.3 | 4.6 | 0.1 | 0.7 | 73.7 | 0.0 | 117.8 | 0.0 | 123.5 | 0.0 | 123.5 |
| 2006 | 0.0 | 6.9 | 0.4 | 40.3 | 5.6 | 0.1 | 0.7 | 77.8 | 0.0 | 124.9 | 0.0 | 131.8 | 0.0 | 131.8 |
| 2007 | 0.0 | 7.8 | 0.4 | 41.9 | 5.1 | 0.1 | 0.7 | 80.8 | 0.0 | 129.1 | 0.0 | 136.9 | 0.0 | 136.9 |
| 2008 | 0.0 | 7.1 | 0.2 | R 37.3 | 4.8 | 0.2 | 0.7 | 77.9 | 0.0 | R 121.0 | 0.0 | R 128.1 | 0.0 | R 128.1 |
| 2009 | 0.0 | 7.0 | 0.4 | 34.5 | 3.3 | 0.1 | 0.6 | 79.2 | 0.0 | 118.0 | 0.0 | 125.0 | 0.0 | 125.0 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Idaho

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 0 | 0 | (s) | 0 | (s) | 0 | 6,165 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 0 | 0 | 0 | (s) | 0 | (s) | 0 | 6,641 | – – | 0 | NA | NA | -1 | – – |
| 1970 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7,076 | – – | 0 | NA | NA | -1 | – – |
| 1975 | 0 | (s) | 0 | 5 | 0 | 5 | 0 | 10,274 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | (s) | 0 | (s) | 0 | (s) | 0 | 9,507 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 0 | (s) | 0 | 1 | 0 | 1 | 0 | 10,863 | – – | 0 | 0 | 0 | 56 | – – |
| 1990 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 9,115 | – – | 0 | 0 | 0 | 106 | – – |
| 1995 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 10,989 | – – | 0 | 0 | 0 | 3 | – – |
| 1996 | 0 | (s) | 0 | (s) | 0 | (s) | 0 | 13,283 | – – | 0 | 0 | 0 | 170 | – – |
| 1997 | 0 | 2 | 0 | (s) | 0 | (s) | 0 | 14,676 | – – | 0 | 0 | 0 | 170 | – – |
| 1998 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 12,936 | – – | 0 | 0 | 0 | 148 | – – |
| 1999 | 0 | 2 | 0 | (s) | 0 | (s) | 0 | 13,499 | – – | 0 | 0 | 0 | 64 | – – |
| 2000 | 0 | 2 | 0 | 5 | 0 | 5 | 0 | 10,967 | – – | 0 | 0 | 0 | 126 | – – |
| 2001 | 0 | 10 | 0 | 7 | 0 | 7 | 0 | 7,223 | – – | 0 | 0 | 0 | (s) | – – |
| 2002 | 0 | 3 | 0 | (s) | 0 | (s) | 0 | 8,769 | – – | 0 | 0 | 0 | (s) | – – |
| 2003 | 0 | 10 | 0 | (s) | 0 | (s) | 0 | 8,354 | – – | 0 | 0 | 0 | 2 | – – |
| 2004 | 0 | 12 | 0 | (s) | 0 | (s) | 0 | 8,462 | – – | 0 | 0 | 0 | 33 | – – |
| 2005 | 0 | 11 | 0 | (s) | 0 | (s) | 0 | 8,542 | – – | 0 | 0 | 0 | 89 | – – |
| 2006 | 0 | 10 | 0 | (s) | 0 | (s) | 0 | 11,242 | – – | 0 | 0 | 170 | 40 | – – |
| 2007 | 0 | 13 | 0 | (s) | 0 | (s) | 0 | 9,022 | – – | 0 | 0 | 172 | 44 | – – |
| 2008 | 0 | 13 | 0 | (s) | 0 | (s) | 0 | 9,363 | – – | 86 | 0 | 207 | -34 | – – |
| 2009 | 0 | 13 | 0 | (s) | 0 | (s) | 0 | 10,434 | – – | 76 | 0 | 313 | -44 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | (s) | 0.0 | 66.3 | 0.0 | 0.0 | NA | NA | 0.0 | 66.3 |
| 1965 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | (s) | 0.0 | 69.4 | 0.0 | 0.0 | NA | NA | (s) | 69.4 |
| 1970 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | (s) | 0.0 | 74.3 | 0.0 | 0.0 | NA | NA | (s) | 74.3 |
| 1975 | 0.0 | (s) | 0.0 | (s) | 0.0 | (s) | 0.0 | 106.9 | 0.0 | 0.0 | NA | NA | 0.0 | 107.0 |
| 1980 | 0.0 | (s) | 0.0 | (s) | 0.0 | (s) | 0.0 | 98.8 | 0.0 | 0.0 | NA | NA | 0.0 | 98.8 |
| 1985 | 0.0 | (s) | 0.0 | (s) | 0.0 | (s) | 0.0 | 113.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 113.7 |
| 1990 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | (s) | 0.0 | 94.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.4 | 96.4 |
| 1995 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | (s) | 0.0 | 113.3 | 1.3 | 0.0 | 0.0 | 0.0 | (s) | 114.7 |
| 1996 | 0.0 | 0.2 | 0.0 | (s) | 0.0 | (s) | 0.0 | 137.3 | 1.2 | 0.0 | 0.0 | 0.0 | 0.6 | 139.3 |
| 1997 | 0.0 | 1.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 149.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.6 | 153.6 |
| 1998 | 0.0 | 1.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 131.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.5 | 135.5 |
| 1999 | 0.0 | 1.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 138.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.2 | 140.8 |
| 2000 | 0.0 | 1.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 111.9 | 0.7 | 0.0 | 0.0 | 0.0 | 0.4 | 114.8 |
| 2001 | 0.0 | 10.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 74.6 | 0.7 | 0.0 | 0.0 | 0.0 | (s) | 86.2 |
| 2002 | 0.0 | 2.7 | 0.0 | (s) | 0.0 | (s) | 0.0 | 89.2 | 1.3 | 0.0 | 0.0 | 0.0 | (s) | 93.1 |
| 2003 | 0.0 | 9.6 | 0.0 | (s) | 0.0 | (s) | 0.0 | 85.6 | 1.4 | 0.0 | 0.0 | 0.0 | (s) | 96.6 |
| 2004 | 0.0 | 12.2 | 0.0 | (s) | 0.0 | (s) | 0.0 | 84.8 | 1.4 | 0.0 | 0.0 | 0.0 | 0.1 | 98.6 |
| 2005 | 0.0 | 11.7 | 0.0 | (s) | 0.0 | (s) | 0.0 | 85.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.3 | 98.9 |
| 2006 | 0.0 | 9.9 | 0.0 | (s) | 0.0 | (s) | 0.0 | 111.5 | 1.5 | 0.0 | 0.0 | 1.7 | 0.1 | 124.7 |
| 2007 | 0.0 | 12.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 89.2 | 1.4 | 0.0 | 0.0 | 1.7 | 0.2 | 105.2 |
| 2008 | 0.0 | 12.7 | 0.0 | (s) | 0.0 | (s) | 0.0 | 92.3 | 1.3 | R 0.8 | 0.0 | 2.0 | -0.1 | R 109.0 |
| 2009 | 0.0 | 12.8 | 0.0 | (s) | 0.0 | (s) | 0.0 | 101.8 | 1.5 | 0.7 | 0.0 | 3.1 | -0.2 | 119.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 39,673 | 518 | 42,592 | 4,356 | 14,958 | 78,026 | 26,533 | 32,744 | 199,209 | 254 | 185 | NA |
| 1965 | 44,714 | 757 | 41,011 | 12,176 | 18,763 | 88,769 | 23,091 | 38,504 | 222,314 | 965 | 175 | NA |
| 1970 | 42,136 | 1,174 | 44,495 | 22,644 | 28,481 | 107,084 | 27,949 | 43,905 | 274,558 | 2,514 | 166 | NA |
| 1971 | 39,175 | 1,229 | 49,502 | 24,037 | 29,013 | 108,295 | 23,909 | 41,453 | 276,210 | 4,374 | 136 | NA |
| 1972 | 39,798 | 1,207 | 53,936 | 27,844 | 32,971 | 113,860 | 30,007 | 45,531 | 304,150 | 13,067 | 150 | NA |
| 1973 | 41,485 | 1,150 | 52,984 | 29,099 | 34,254 | 119,028 | 30,034 | 50,937 | 316,337 | 20,051 | 129 | NA |
| 1974 | 41,258 | 1,149 | 52,683 | 25,177 | 35,429 | 115,828 | 29,441 | 47,354 | 305,912 | 19,592 | 124 | NA |
| 1975 | 40,374 | 1,095 | 51,249 | 24,769 | 35,135 | 118,637 | 28,142 | 44,300 | 302,231 | 22,315 | 122 | NA |
| 1976 | 40,901 | 1,175 | 57,267 | 25,516 | 39,716 | 122,716 | 24,862 | 43,218 | 313,295 | 26,455 | 130 | NA |
| 1977 | 40,772 | 1,167 | 57,019 | 27,132 | 39,432 | 124,746 | 27,370 | 45,295 | 320,994 | 28,547 | 129 | NA |
| 1978 | 39,969 | 1,175 | 59,277 | 27,136 | 39,467 | 130,532 | 29,627 | 47,580 | 333,619 | 32,926 | 129 | NA |
| 1979 | 40,204 | 1,143 | 48,668 | 24,334 | 51,784 | 119,113 | 29,176 | 47,870 | 320,945 | 27,463 | 130 | NA |
| 1980 | 40,147 | 1,090 | 36,704 | 19,664 | 38,811 | 109,062 | 28,271 | 43,517 | 276,030 | 27,742 | 138 | NA |
| 1981 | 37,523 | 1,062 | 34,511 | 16,928 | 34,147 | 107,296 | 20,791 | 31,101 | 244,774 | 29,483 | 134 | 142 |
| 1982 | 36,572 | 994 | 32,568 | 16,642 | 26,872 | 105,170 | 15,466 | 27,403 | 224,121 | 27,625 | 124 | 597 |
| 1983 | 39,881 | 938 | 34,788 | 15,944 | 27,037 | 106,955 | 13,700 | 30,409 | 228,832 | 28,021 | 134 | 558 |
| 1984 | 38,394 | 1,033 | 37,278 | 2,687 | 26,069 | 105,079 | 9,845 | 31,229 | 212,185 | 34,976 | 141 | 1,260 |
| 1985 | 37,706 | 962 | 32,585 | 2,748 | 27,168 | 111,114 | 6,508 | 31,158 | 211,282 | 39,106 | 136 | 2,040 |
| 1986 | 37,176 | 924 | 35,437 | 2,054 | 32,529 | 108,641 | 8,316 | 33,538 | 220,514 | 42,614 | 141 | 2,794 |
| 1987 | 35,648 | 873 | 35,611 | 1,997 | 41,884 | 110,508 | 6,964 | 35,830 | 232,793 | 50,194 | 107 | 3,266 |
| 1988 | 34,006 | 965 | 34,363 | 3,956 | 45,341 | 116,048 | 5,908 | 37,604 | 243,220 | 69,166 | 65 | 3,419 |
| 1989 | 32,457 | 996 | 35,552 | 4,497 | 12,389 | 115,548 | 4,027 | 40,200 | 212,213 | 74,820 | 100 | 3,696 |
| 1990 | 33,904 | 940 | 43,227 | 3,952 | 12,471 | 105,948 | 3,594 | 43,042 | 212,234 | 71,887 | 144 | 3,278 |
| 1991 | 34,677 | 988 | 35,899 | 6,437 | 14,539 | 104,380 | 3,448 | 43,505 | 208,208 | 71,866 | 134 | 3,620 |
| 1992 | 31,599 | 994 | 35,620 | 7,399 | 12,482 | 106,297 | 2,349 | 48,877 | 213,024 | 73,742 | 139 | 4,162 |
| 1993 | 38,135 | 1,031 | 37,544 | 9,170 | 21,649 | 109,587 | 2,273 | 44,737 | 224,960 | 78,373 | 130 | 4,123 |
| 1994 | 39,077 | 1,025 | 31,762 | 9,619 | 24,708 | 111,255 | 2,701 | 48,046 | 228,091 | 72,654 | 121 | 5,147 |
| 1995 | 39,623 | 1,078 | 35,309 | 10,360 | 25,822 | 111,207 | 1,457 | 45,882 | 230,037 | 78,481 | 124 | 4,321 |
| 1996 | 44,431 | 1,119 | 37,003 | 12,076 | 25,109 | 111,554 | 1,996 | 43,195 | 230,933 | 69,774 | 106 | 3,136 |
| 1997 | 47,638 | 1,077 | 37,494 | 12,502 | 24,777 | 113,343 | 1,430 | 43,269 | 232,815 | 51,069 | 97 | 4,562 |
| 1998 | 46,067 | 957 | 40,520 | 13,164 | 15,783 | 113,707 | 1,046 | 44,365 | 228,585 | 55,596 | 138 | 5,405 |
| 1999 | 46,719 | 1,004 | 43,362 | 18,245 | 22,588 | 118,810 | 535 | 47,107 | 250,646 | 81,744 | 142 | 5,740 |
| 2000 | 51,865 | 1,031 | 42,945 | 22,699 | 20,131 | 119,985 | 1,144 | 41,723 | 248,628 | 89,438 | 144 | 6,907 |
| 2001 | 50,671 | 952 | 42,195 | 18,664 | 18,346 | 121,126 | 3,176 | 39,507 | 243,014 | 92,358 | 144 | 7,879 |
| 2002 | 53,619 | 1,050 | 39,798 | 13,583 | 20,185 | 122,661 | 392 | 41,037 | 237,656 | 90,860 | 129 | 7,280 |
| 2003 | 54,751 | 998 | 46,732 | 13,365 | 15,477 | 122,747 | 2,228 | 42,677 | 243,226 | 94,733 | 139 | 9,425 |
| 2004 | 58,523 | 953 | 46,746 | 21,547 | 17,553 | 125,954 | 1,512 | 42,383 | 255,695 | 92,047 | 154 | 9,749 |
| 2005 | 58,120 | 970 | 48,094 | 39,525 | 20,359 | 124,646 | 527 | 42,943 | 276,095 | 93,263 | 129 | 8,739 |
| 2006 | 58,338 | 894 | 49,150 | 28,578 | 20,751 | 125,393 | 257 | R 37,885 | R 262,014 | 94,154 | 173 | 8,641 |
| 2007 | 61,099 | 966 | 49,291 | 29,573 | 21,104 | 124,277 | 133 | R 36,585 | R 260,964 | 95,729 | 154 | 9,810 |
| 2008 | 61,891 | 1,001 | R 48,330 | 27,993 | 19,494 | 119,777 | 163 | R 35,789 | R 251,546 | 95,152 | 139 | 12,012 |
| 2009 | 57,243 | 946 | 43,428 | 24,970 | 20,140 | 118,361 | 34 | 32,629 | 239,562 | 95,474 | 136 | 11,220 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Illinois
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 914.6 | 536.1 | 248.1 | 24.4 | 60.0 | 409.9 | 166.8 | 195.8 | 1,105.0 | 2,555.8 | *536.1* | *409.9* |
| 1965 | 1,014.5 | 778.7 | 238.9 | 68.8 | 75.3 | 466.3 | 145.2 | 231.6 | 1,226.0 | 3,019.1 | *778.7* | *466.3* |
| 1970 | 920.3 | 1,203.2 | 259.2 | 128.2 | 107.6 | 562.5 | 175.7 | 265.7 | 1,498.9 | 3,622.4 | *1,203.2* | *562.5* |
| 1971 | 843.8 | 1,260.0 | 288.4 | 136.0 | 109.4 | 568.9 | 150.3 | 250.9 | 1,503.9 | 3,607.7 | *1,260.0* | *568.9* |
| 1972 | 852.2 | 1,237.5 | 314.2 | 157.6 | 124.0 | 598.1 | 188.7 | 274.5 | 1,657.0 | 3,746.7 | *1,237.5* | *598.1* |
| 1973 | 884.6 | 1,176.7 | 308.6 | 164.8 | 128.3 | 625.3 | 188.8 | 307.7 | 1,723.6 | 3,784.9 | *1,176.7* | *625.3* |
| 1974 | 874.9 | 1,175.8 | 306.9 | 142.5 | 132.1 | 608.4 | 185.1 | 285.4 | 1,660.6 | 3,711.3 | *1,175.8* | *608.4* |
| 1975 | 845.6 | 1,123.6 | 298.5 | 140.2 | 130.5 | 623.2 | 176.9 | 267.6 | 1,637.0 | 3,606.1 | *1,123.6* | *623.2* |
| 1976 | 862.2 | 1,204.6 | 333.6 | 144.5 | 147.4 | 644.6 | 156.3 | 260.9 | 1,687.3 | 3,754.1 | *1,204.6* | *644.6* |
| 1977 | 860.6 | 1,199.8 | 332.1 | 153.6 | 145.0 | 655.3 | 172.1 | 273.9 | 1,732.0 | 3,792.4 | *1,199.8* | *655.3* |
| 1978 | 841.6 | 1,196.4 | 345.3 | 153.7 | 144.8 | 685.7 | 186.3 | 287.2 | 1,802.9 | 3,840.9 | *1,196.4* | *685.7* |
| 1979 | 845.4 | 1,170.6 | 283.5 | 137.8 | 190.6 | 625.7 | 183.4 | 287.9 | 1,708.9 | 3,724.9 | *1,170.6* | *625.7* |
| 1980 | 844.5 | 1,076.2 | 213.8 | 111.3 | 142.6 | 572.9 | 177.7 | 259.7 | 1,478.1 | 3,398.7 | *1,113.7* | *572.9* |
| 1981 | 796.6 | 1,053.1 | 201.0 | 95.8 | 124.4 | 563.6 | 130.7 | 186.6 | 1,302.1 | 3,151.8 | *1,083.2* | *563.6* |
| 1982 | 778.5 | 996.6 | 189.7 | 94.2 | 97.1 | 552.5 | 97.2 | 164.5 | 1,195.2 | 2,970.3 | *1,016.1* | *552.5* |
| 1983 | 848.2 | 956.3 | 202.6 | 90.2 | 97.7 | 561.8 | 86.1 | 182.7 | 1,221.2 | 3,025.7 | *976.8* | *561.8* |
| 1984 | 833.2 | 1,056.1 | 217.1 | 15.0 | 93.8 | 552.0 | 61.9 | 185.4 | 1,125.3 | 3,014.6 | *1,074.1* | *552.0* |
| 1985 | 811.1 | 979.9 | 189.8 | 15.4 | 97.9 | 583.7 | 40.9 | 188.1 | 1,115.8 | 2,906.8 | *1,000.5* | *583.7* |
| 1986 | 804.2 | 920.2 | 206.4 | 11.5 | 118.4 | 570.7 | 52.3 | 200.7 | 1,160.0 | 2,884.4 | *943.7* | *570.7* |
| 1987 | 783.2 | 873.8 | 207.4 | 11.1 | 153.3 | 580.5 | 43.8 | 212.8 | 1,208.9 | 2,866.0 | *886.5* | *580.5* |
| 1988 | 745.2 | 972.8 | 200.2 | 22.2 | 165.6 | 609.6 | 37.1 | 222.9 | 1,257.6 | 2,975.6 | *982.8* | *609.6* |
| 1989 | 721.0 | 1,007.7 | 207.1 | 25.3 | 45.6 | 607.0 | 25.3 | 239.2 | 1,149.5 | 2,878.2 | *1,017.4* | *607.0* |
| 1990 | 748.2 | 951.9 | 251.8 | 22.3 | 45.2 | 556.5 | 22.6 | 256.1 | 1,154.5 | 2,854.5 | *960.2* | *556.5* |
| 1991 | 757.6 | 999.5 | 209.1 | 36.3 | 52.5 | 548.3 | 21.7 | 257.4 | 1,125.4 | 2,882.4 | *1,006.5* | *548.3* |
| 1992 | 698.6 | 1,003.3 | 207.5 | 41.8 | 45.2 | 558.4 | 14.8 | 288.3 | 1,156.0 | 2,857.9 | *1,011.5* | *558.4* |
| 1993 | 812.8 | 1,043.1 | 218.7 | 51.9 | 78.1 | R 561.4 | 14.3 | 262.3 | R 1,186.5 | R 3,042.5 | *1,053.1* | *575.7* |
| 1994 | 825.4 | 1,038.6 | 185.0 | 54.4 | 89.8 | R 564.0 | 17.0 | 282.7 | R 1,193.0 | R 3,056.9 | *1,046.6* | *581.9* |
| 1995 | 826.7 | 1,093.3 | 205.7 | 58.7 | 93.6 | R 565.0 | 9.2 | 270.0 | R 1,202.0 | R 3,122.0 | *1,099.7* | *579.9* |
| 1996 | 919.9 | 1,136.5 | 215.5 | 68.5 | 90.7 | R 571.0 | 12.5 | 257.9 | R 1,216.2 | R 3,272.6 | *1,140.5* | *581.9* |
| 1997 | 974.9 | 1,095.6 | 218.4 | 70.9 | 89.6 | R 575.0 | 9.0 | 257.8 | R 1,220.7 | R 3,291.2 | *1,099.8* | *590.9* |
| 1998 | 949.0 | 975.5 | 236.0 | 74.6 | 57.0 | R 573.9 | 6.6 | 265.4 | R 1,213.6 | R 3,138.2 | *978.3* | *592.6* |
| 1999 | 958.8 | 1,011.9 | 252.6 | 103.4 | 81.7 | R 599.2 | 3.4 | 281.7 | R 1,322.0 | R 3,292.7 | *1,026.4* | *619.1* |
| 2000 | 1,016.6 | 1,040.3 | 250.2 | 128.7 | 72.6 | R 601.2 | 7.2 | 249.0 | R 1,308.8 | R 3,365.6 | *1,053.3* | *625.1* |
| 2001 | 983.7 | 958.4 | 245.8 | 105.8 | 66.3 | R 603.7 | 20.0 | 236.3 | R 1,277.9 | R 3,220.1 | *970.6* | *631.1* |
| 2002 | 986.8 | 1,051.2 | 231.8 | 77.0 | 72.9 | R 613.6 | 2.5 | 245.7 | R 1,243.5 | R 3,281.6 | *1,063.5* | *638.8* |
| 2003 | 1,010.1 | 1,001.5 | 272.2 | 75.8 | 56.2 | R 606.4 | 14.0 | 256.0 | R 1,280.6 | R 3,292.2 | *1,013.5* | *639.1* |
| 2004 | 1,069.5 | 956.0 | 272.3 | 122.2 | 63.5 | R 623.0 | 9.5 | 253.2 | R 1,343.7 | R 3,369.2 | *966.6* | *656.8* |
| 2005 | 1,047.5 | 972.7 | 280.1 | 224.1 | 73.7 | R 620.1 | 3.3 | 257.0 | R 1,458.4 | R 3,478.6 | *984.2* | *650.4* |
| 2006 | 1,045.4 | 896.1 | 286.3 | 162.0 | 74.8 | R 624.3 | 1.6 | R 228.3 | R 1,377.4 | R 3,318.9 | *908.3* | *654.3* |
| 2007 | 1,091.4 | 967.7 | 287.1 | 167.7 | 75.8 | R 614.6 | 0.8 | R 219.9 | R 1,365.9 | R 3,425.0 | *979.1* | *648.6* |
| 2008 | 1,103.2 | R 1,003.2 | R 281.5 | 158.7 | 70.2 | R 583.3 | 1.0 | R 217.0 | R 1,311.8 | R 3,418.2 | R *1,014.5* | *625.0* |
| 2009 | 1,015.0 | 946.4 | 253.0 | 141.6 | 71.7 | 578.8 | 0.2 | 198.2 | 1,243.3 | 3,204.7 | *958.3* | *617.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Illinois (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 3.0 | 2.0 | 31.0 | NA | NA | 31.0 | 0.0 | NA | NA | 33.0 | -64.7 | 0.0 | 2,527.0 |
| 1965 | 11.4 | 1.8 | 33.2 | NA | NA | 33.2 | 0.0 | NA | NA | 35.0 | R -30.0 | 0.0 | R 3,035.5 |
| 1970 | 27.6 | 1.7 | 39.3 | NA | NA | 39.3 | 0.0 | NA | NA | 41.1 | R 17.4 | 0.0 | R 3,708.5 |
| 1971 | 47.4 | 1.4 | 39.2 | NA | NA | 39.2 | 0.0 | NA | NA | 40.6 | R 39.5 | 0.0 | R 3,735.3 |
| 1972 | 141.0 | 1.6 | 39.9 | NA | NA | 39.9 | 0.0 | NA | NA | 41.5 | R 15.1 | 0.0 | R 3,944.3 |
| 1973 | 218.6 | 1.3 | 42.5 | NA | NA | 42.5 | 0.0 | NA | NA | 43.9 | R -11.7 | 0.0 | R 4,035.7 |
| 1974 | 218.7 | 1.3 | 42.7 | NA | NA | 42.7 | 0.0 | NA | NA | 44.0 | R -0.4 | 0.0 | R 3,973.5 |
| 1975 | 245.8 | 1.3 | 41.6 | NA | NA | 41.6 | 0.0 | NA | NA | 42.9 | R -18.9 | 0.0 | R 3,875.9 |
| 1976 | 292.2 | 1.3 | 46.1 | NA | NA | 46.1 | 0.0 | NA | NA | 47.5 | R -58.3 | 0.0 | R 4,035.6 |
| 1977 | 307.4 | 1.4 | 50.0 | NA | NA | 50.0 | 0.0 | NA | NA | 51.3 | R -31.3 | 0.0 | R 4,119.8 |
| 1978 | 360.2 | 1.3 | 61.6 | NA | NA | 61.6 | 0.0 | NA | NA | 62.9 | R -41.7 | 0.0 | R 4,222.3 |
| 1979 | 298.8 | 1.3 | 63.3 | NA | NA | 63.3 | 0.0 | NA | NA | 64.6 | R -9.4 | 0.0 | R 4,078.9 |
| 1980 | 302.6 | 1.4 | 90.9 | NA | NA | 90.9 | 0.0 | NA | NA | 92.4 | R 4.8 | 0.0 | R 3,798.5 |
| 1981 | 325.2 | 1.4 | 95.6 | 0.5 | 2.9 | R 98.9 | 0.0 | NA | NA | R 100.3 | R 7.9 | 0.0 | R 3,585.3 |
| 1982 | 305.9 | 1.3 | 95.6 | 2.1 | 9.5 | R 107.1 | 0.0 | NA | NA | R 108.4 | R 37.3 | 0.0 | R 3,422.0 |
| 1983 | 305.6 | 1.4 | 105.3 | 1.9 | 17.7 | R 125.0 | 0.0 | NA | 0.0 | R 126.4 | R 38.9 | 0.0 | R 3,496.6 |
| 1984 | 379.2 | 1.5 | 97.8 | 4.4 | 21.1 | R 123.3 | 0.0 | 0.0 | 0.0 | R 124.7 | R 10.5 | 0.0 | R 3,529.1 |
| 1985 | 415.4 | 1.4 | 99.2 | 7.1 | 22.5 | R 128.8 | 0.0 | 0.0 | 0.0 | R 130.3 | R 8.7 | 0.0 | R 3,461.1 |
| 1986 | 450.8 | 1.5 | 106.4 | 9.7 | 23.7 | R 139.8 | 0.0 | 0.0 | 0.0 | R 141.3 | R -11.0 | 0.0 | R 3,465.6 |
| 1987 | 524.1 | 1.1 | 113.3 | 11.3 | 25.8 | R 150.4 | 0.0 | 0.0 | 0.0 | R 151.5 | R -20.4 | 0.0 | R 3,521.2 |
| 1988 | 733.3 | 0.7 | 121.7 | 11.9 | 25.8 | R 159.3 | 0.0 | 0.0 | 0.0 | R 160.0 | R -116.2 | 0.0 | R 3,752.7 |
| 1989 | 791.8 | 1.0 | 93.5 | 12.8 | 24.2 | R 130.5 | 0.2 | (s) | 0.0 | R 131.8 | R -137.7 | 0.0 | R 3,664.2 |
| 1990 | 760.7 | 1.5 | 69.6 | 11.4 | 20.2 | R 101.2 | 0.3 | 0.1 | 0.0 | R 103.0 | R -124.1 | 0.0 | R 3,594.1 |
| 1991 | 753.4 | 1.4 | 71.2 | 12.6 | 23.5 | R 107.2 | 0.3 | 0.1 | 0.0 | R 108.9 | R -78.1 | 0.0 | R 3,666.7 |
| 1992 | 772.2 | 1.4 | 71.9 | 14.4 | 26.6 | R 113.0 | 0.3 | 0.1 | 0.0 | R 114.8 | R -93.3 | 0.0 | R 3,651.6 |
| 1993 | 823.2 | 1.3 | 53.3 | 14.3 | 28.8 | R 96.4 | 0.3 | 0.1 | 0.0 | R 98.2 | R -204.2 | 0.0 | R 3,759.7 |
| 1994 | 759.4 | 1.2 | 51.0 | 17.9 | 30.4 | R 99.2 | 0.3 | 0.1 | 0.0 | R 100.9 | R -144.1 | 0.0 | R 3,773.1 |
| 1995 | 824.6 | 1.3 | 52.2 | 15.0 | 29.0 | R 96.2 | 0.3 | 0.1 | 0.0 | R 97.9 | R -155.7 | 0.0 | R 3,888.8 |
| 1996 | 732.8 | 1.1 | 59.3 | 10.9 | 11.8 | R 81.9 | 0.4 | 0.1 | 0.0 | R 83.5 | R -142.0 | 0.0 | R 3,947.0 |
| 1997 | 535.9 | 1.0 | 53.2 | 15.8 | 20.7 | R 89.7 | 0.4 | 0.1 | 0.0 | R 91.2 | R -3.5 | 0.0 | R 3,914.8 |
| 1998 | 583.3 | 1.4 | 46.6 | 18.8 | 24.2 | R 89.5 | 0.4 | 0.2 | 0.0 | R 91.5 | R 9.5 | 0.0 | R 3,822.5 |
| 1999 | 854.2 | 1.5 | 49.8 | 19.9 | 22.3 | R 92.0 | 0.4 | 0.2 | 0.0 | R 94.1 | R -250.5 | 0.0 | R 3,990.5 |
| 2000 | 932.7 | 1.5 | 45.2 | 24.0 | 26.7 | R 95.9 | 0.4 | 0.2 | 0.0 | R 98.0 | R -375.9 | 0.0 | R 4,020.5 |
| 2001 | 964.5 | 1.5 | 42.0 | 27.3 | 29.1 | R 98.4 | 0.5 | 0.3 | 0.0 | R 100.7 | R -415.4 | 0.0 | R 3,869.8 |
| 2002 | 948.8 | 1.3 | 44.1 | 25.3 | 39.7 | R 109.1 | 0.5 | R 0.3 | 0.0 | R 111.2 | R -411.1 | -0.4 | R 3,930.0 |
| 2003 | 987.2 | 1.4 | 44.4 | 32.7 | 47.2 | R 124.3 | 0.7 | 0.4 | 0.2 | R 127.0 | R -465.2 | -0.5 | R 3,940.6 |
| 2004 | 959.8 | 1.5 | 44.7 | 33.8 | 44.2 | R 122.8 | 0.7 | 0.6 | 0.8 | R 126.4 | R -462.1 | -0.1 | R 3,993.3 |
| 2005 | 973.3 | 1.3 | R 31.5 | 30.3 | 42.2 | R 104.0 | 0.8 | 0.8 | 1.4 | R 108.3 | R -428.2 | -0.1 | R 4,132.0 |
| 2006 | 982.6 | 1.7 | R 25.4 | 30.0 | 43.0 | R 98.4 | 1.0 | 1.0 | 2.5 | R 104.6 | R -455.8 | (s) | R 3,950.3 |
| 2007 | 1,003.7 | 1.5 | R 27.6 | 34.0 | 52.2 | R 113.8 | 1.2 | R 1.2 | 6.6 | R 124.3 | R -506.2 | 0.2 | R 4,047.0 |
| 2008 | 994.6 | 1.4 | R 29.0 | 41.7 | 57.5 | R 128.2 | 1.4 | R 1.5 | 23.0 | R 155.4 | R -518.7 | 0.1 | R 4,049.7 |
| 2009 | 998.7 | 1.3 | 29.4 | 38.8 | 72.1 | 140.4 | 1.7 | 1.7 | 27.5 | 172.7 | -561.0 | (s) | 3,815.1 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 20,454 | 476 | 42,431 | 4,356 | 14,958 | 78,026 | 26,339 | 32,744 | 198,855 | 19 | – – | – – | – – | – – | 34,001 | – – | – – | – – |
| 1965 | 19,668 | 722 | 40,885 | 12,176 | 18,763 | 88,769 | 22,939 | 38,504 | 222,036 | 17 | – – | – – | – – | – – | 48,243 | – – | – – | – – |
| 1970 | 13,143 | 1,041 | 41,828 | 22,644 | 28,481 | 107,084 | 24,728 | 43,905 | 268,670 | 20 | – – | – – | – – | – – | 70,881 | – – | – – | – – |
| 1975 | 8,024 | 1,061 | 47,915 | 24,271 | 35,135 | 118,637 | 20,903 | 44,300 | 291,160 | 19 | – – | – – | – – | – – | 85,056 | – – | – – | – – |
| 1980 | 5,536 | 1,071 | 36,014 | 19,508 | 38,811 | 109,062 | 15,510 | 43,517 | 262,422 | 17 | – – | – – | – – | – – | 96,949 | – – | – – | – – |
| 1985 | 6,098 | 956 | 32,149 | 2,748 | 27,168 | 111,114 | 3,939 | 31,158 | 208,277 | 17 | – – | – – | – – | – – | 99,111 | – – | – – | – – |
| 1990 | 6,508 | 930 | 42,736 | 3,952 | 12,471 | 105,948 | 1,972 | 43,042 | 210,121 | 0 | – – | – – | – – | – – | 111,577 | – – | – – | – – |
| 1995 | 6,160 | 1,039 | 34,770 | 10,360 | 25,822 | 111,207 | 444 | 45,496 | 228,100 | 5 | – – | – – | – – | – – | 126,231 | – – | – – | – – |
| 2000 | 5,820 | 983 | 42,582 | 22,699 | 20,131 | 119,985 | 349 | 41,723 | 247,470 | 2 | – – | – – | – – | – – | 134,697 | – – | – – | – – |
| 2001 | 4,938 | 905 | 41,906 | 18,664 | 18,346 | 121,126 | 501 | 39,507 | 240,051 | 3 | – – | – – | – – | – – | 136,034 | – – | – – | – – |
| 2002 | 4,353 | 968 | 39,564 | 13,583 | 20,185 | 122,661 | 174 | 41,037 | 237,204 | (s) | – – | – – | – – | – – | 138,447 | – – | – – | – – |
| 2003 | 4,571 | 966 | 46,476 | 13,365 | 15,477 | 122,747 | 259 | 42,677 | 241,001 | (s) | – – | – – | – – | – – | 136,248 | – – | – – | – – |
| 2004 | 4,445 | 923 | 46,536 | 21,547 | 17,553 | 125,954 | 400 | 42,186 | 254,177 | 3 | – – | – – | – – | – – | 139,254 | – – | – – | – – |
| 2005 | 4,298 | 911 | 47,757 | 39,525 | 20,359 | 124,646 | 386 | 42,753 | 275,426 | 0 | – – | – – | – – | – – | 144,986 | – – | – – | – – |
| 2006 | 4,400 | 851 | 48,950 | 28,578 | 20,751 | 125,393 | 227 | 37,831 | 261,731 | 0 | – – | – – | – – | – – | 142,448 | – – | – – | – – |
| 2007 | 4,611 | 903 | 49,031 | 29,573 | 21,104 | 124,277 | 122 | 36,585 | 260,692 | 0 | – – | – – | – – | – – | 146,055 | – – | – – | – – |
| 2008 | 4,523 | 966 | 48,067 | 27,993 | 19,494 | 119,777 | 155 | 35,789 | 251,274 | 0 | – – | – – | – – | – – | 144,620 | – – | – – | – – |
| 2009 | 3,573 | 913 | 43,201 | 24,970 | 20,140 | 118,361 | 33 | 32,629 | 239,333 | 0 | – – | – – | – – | – – | 136,688 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 497.7 | 492.3 | 247.2 | 24.4 | 60.0 | 409.9 | 165.6 | 195.8 | 1,102.8 | 0.2 | 31.0 | NA | NA | NA | 116.0 | 2,240.1 | 286.9 | 2,527.0 |
| 1965 | 477.3 | 743.0 | 238.2 | 68.8 | 75.3 | 466.3 | 144.2 | 231.6 | 1,224.3 | 0.2 | 33.2 | NA | NA | NA | 164.6 | 2,642.6 | 393.0 | 3,035.5 |
| 1970 | 311.4 | 1,067.5 | 243.6 | 128.2 | 107.6 | 562.5 | 155.5 | 265.7 | 1,463.1 | 0.2 | 39.3 | NA | NA | NA | 241.8 | 3,123.4 | 585.1 | 3,708.5 |
| 1975 | 190.2 | 1,088.3 | 279.1 | 137.4 | 130.5 | 623.2 | 131.4 | 267.6 | 1,569.2 | 0.2 | 41.6 | NA | NA | NA | 290.2 | 3,179.8 | 696.1 | 3,875.9 |
| 1980 | 131.8 | 1,094.1 | 209.8 | 110.4 | 142.6 | 572.9 | 97.5 | 259.7 | 1,392.9 | 0.2 | 90.9 | NA | NA | NA | 330.8 | 3,003.8 | 794.7 | 3,798.5 |
| 1985 | 148.3 | 994.5 | 187.3 | 15.4 | 97.9 | 583.7 | 24.8 | 188.1 | 1,097.1 | 0.2 | 99.2 | 22.5 | NA | NA | 338.2 | 2,686.6 | 774.5 | 3,461.1 |
| 1990 | 156.8 | 950.8 | 248.9 | 22.3 | 45.2 | 556.5 | 12.4 | 256.1 | 1,141.4 | 0.0 | 67.3 | 20.2 | 0.3 | 0.1 | 380.7 | 2,720.5 | 873.5 | 3,594.1 |
| 1995 | 149.7 | 1,059.8 | 202.5 | 58.7 | 93.6 | 579.9 | 2.8 | 267.6 | 1,205.2 | 0.1 | 47.9 | 29.0 | 0.3 | 0.1 | 430.7 | 2,916.6 | 972.2 | 3,888.8 |
| 2000 | 141.3 | 1,005.2 | 248.0 | 128.7 | 72.6 | 625.1 | 2.2 | 249.0 | 1,325.7 | (s) | 34.3 | 26.7 | 0.4 | 0.2 | 459.6 | 2,981.0 | 1,039.5 | 4,020.5 |
| 2001 | 116.5 | 922.8 | 244.1 | 105.8 | 66.3 | 631.1 | 3.2 | 236.3 | 1,286.8 | (s) | 32.9 | 29.1 | 0.5 | 0.3 | 464.1 | 2,841.5 | 1,028.4 | 3,869.8 |
| 2002 | 100.8 | 980.7 | 230.5 | 77.0 | 72.9 | 638.8 | 1.1 | 245.7 | 1,266.1 | (s) | 34.1 | 39.7 | 0.5 | 0.3 | 472.4 | 2,883.2 | 1,046.8 | 3,930.0 |
| 2003 | 104.2 | 980.8 | 270.7 | 75.8 | 56.2 | 639.1 | 1.6 | 256.0 | 1,299.4 | (s) | 34.7 | 47.2 | 0.7 | 0.4 | 464.9 | 2,920.8 | 1,019.8 | 3,940.6 |
| 2004 | 99.3 | 935.2 | 271.1 | 122.2 | 63.5 | 656.8 | 2.5 | 252.0 | 1,368.1 | (s) | 35.1 | 44.2 | 0.7 | 0.6 | 475.1 | 2,948.2 | 1,045.1 | 3,993.3 |
| 2005 | 95.9 | 924.6 | 278.2 | 224.1 | 73.7 | 650.4 | 2.4 | 255.9 | 1,484.7 | 0.0 | 23.4 | 42.2 | 0.8 | 0.8 | 494.7 | 3,056.3 | 1,075.7 | 4,132.0 |
| 2006 | 98.3 | 864.6 | 285.1 | 162.0 | 74.8 | 654.3 | 1.4 | 228.0 | 1,405.7 | 0.0 | 17.4 | 43.0 | 1.0 | 1.0 | 486.0 | 2,905.4 | 1,044.9 | 3,950.3 |
| 2007 | 103.1 | 915.1 | 285.6 | 167.7 | 75.8 | 648.6 | 0.8 | 219.9 | 1,398.4 | 0.0 | 19.3 | 52.2 | 1.2 | 1.2 | 498.3 | 2,978.1 | 1,068.9 | 4,047.0 |
| 2008 | 100.0 | 979.3 | 280.0 | 158.7 | 70.2 | 625.0 | 1.0 | 217.0 | 1,351.9 | 0.0 | 19.5 | 57.5 | 1.4 | 1.5 | 493.4 | 2,993.5 | 1,056.1 | 4,049.7 |
| 2009 | 77.8 | 924.5 | 251.6 | 141.6 | 71.7 | 617.6 | 0.2 | 198.2 | 1,280.9 | 0.0 | 20.0 | 72.1 | 1.7 | 1.7 | 466.4 | 2,833.7 | 981.4 | 3,815.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 3,761 | 232 | 15,330 | 2,052 | 5,210 | 22,592 | 739 | – – | – – | 9,969 | – – | – – | – – |
| 1965 | 2,250 | 342 | 13,154 | 2,518 | 6,010 | 21,683 | 550 | – – | – – | 14,173 | – – | – – | – – |
| 1970 | 1,231 | 439 | 11,980 | 1,336 | 8,646 | 21,962 | 634 | – – | – – | 22,533 | – – | – – | – – |
| 1975 | 230 | 479 | 12,384 | 1,225 | 9,177 | 22,786 | 681 | – – | – – | 26,366 | – – | – – | – – |
| 1980 | 39 | 478 | 3,512 | 161 | 4,066 | 7,739 | 2,534 | – – | – – | 29,930 | – – | – – | – – |
| 1985 | 59 | 447 | 2,344 | 568 | 3,530 | 6,442 | 2,616 | – – | – – | 29,976 | – – | – – | – – |
| 1990 | 53 | 442 | 1,394 | 101 | 3,220 | 4,716 | 1,608 | – – | – – | 32,871 | – – | – – | – – |
| 1995 | 29 | 501 | 761 | 84 | 3,884 | 4,729 | 861 | – – | – – | 38,386 | – – | – – | – – |
| 1996 | 22 | 539 | 746 | 96 | 5,235 | 6,077 | 894 | – – | – – | 37,554 | – – | – – | – – |
| 1997 | 32 | 497 | 708 | 109 | 5,314 | 6,131 | 579 | – – | – – | 37,264 | – – | – – | – – |
| 1998 | 26 | 410 | 418 | 120 | 4,514 | 5,052 | 515 | – – | – – | 39,707 | – – | – – | – – |
| 1999 | 22 | 445 | 508 | 520 | 6,537 | 7,565 | 542 | – – | – – | 39,631 | – – | – – | – – |
| 2000 | 25 | 467 | 412 | 121 | 5,453 | 5,987 | 582 | – – | – – | 40,146 | – – | – – | – – |
| 2001 | 25 | 427 | 320 | 120 | 4,100 | 4,540 | 775 | – – | – – | 41,820 | – – | – – | – – |
| 2002 | 21 | 459 | 264 | 142 | 5,448 | 5,854 | 786 | – – | – – | 45,030 | – – | – – | – – |
| 2003 | 35 | 473 | 246 | 106 | 4,556 | 4,908 | 828 | – – | – – | 43,161 | – – | – – | – – |
| 2004 | 25 | 443 | 304 | 100 | 4,291 | 4,695 | 848 | – – | – – | 43,443 | – – | – – | – – |
| 2005 | 12 | 438 | 212 | 117 | 4,355 | 4,684 | R 316 | – – | – – | 48,593 | – – | – – | – – |
| 2006 | 12 | 398 | 180 | 68 | 4,698 | 4,945 | R 288 | – – | – – | 46,381 | – – | – – | – – |
| 2007 | 16 | 433 | 155 | 52 | 5,330 | 5,537 | R 317 | – – | – – | 48,036 | – – | – – | – – |
| 2008 | 21 | 466 | R 178 | 26 | 7,198 | R 7,402 | R 332 | – – | – – | 46,780 | – – | – – | – – |
| 2009 | 18 | 440 | 120 | 32 | 6,529 | 6,681 | 317 | – – | – – | 44,324 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 90.4 | 240.2 | 89.3 | 11.6 | 20.9 | 121.8 | 14.8 | NA | NA | 34.0 | 501.3 | 84.1 | 585.4 |
| 1965 | 53.8 | 351.9 | 76.6 | 14.3 | 24.1 | 115.0 | 11.0 | NA | NA | 48.4 | 580.1 | R 115.4 | R 695.5 |
| 1970 | 28.4 | 450.1 | 69.8 | 7.6 | 32.7 | 110.0 | 12.7 | NA | NA | 76.9 | 678.1 | R 186.0 | R 864.1 |
| 1975 | 5.2 | 491.0 | 72.1 | 6.9 | 34.1 | 113.2 | 13.6 | NA | NA | 90.0 | 712.9 | R 215.8 | R 928.7 |
| 1980 | 0.9 | 489.0 | 20.5 | 0.9 | 14.9 | 36.3 | 50.7 | NA | NA | 102.1 | 662.3 | R 245.3 | R 907.6 |
| 1985 | 1.3 | 464.5 | 13.7 | 3.2 | 12.7 | 29.6 | 52.3 | NA | NA | 102.3 | 640.3 | R 234.3 | R 874.5 |
| 1990 | 1.2 | 451.9 | 8.1 | 0.6 | 11.7 | 20.4 | 32.2 | 0.3 | 0.1 | 112.2 | 614.1 | R 257.3 | R 871.5 |
| 1995 | 0.7 | 510.9 | 4.4 | 0.5 | 14.1 | 19.0 | 17.2 | 0.3 | 0.1 | 131.0 | 676.1 | R 295.7 | R 971.8 |
| 1996 | 0.5 | 549.0 | 4.3 | 0.5 | 18.9 | 23.8 | 17.9 | 0.4 | 0.1 | 128.1 | 717.8 | R 289.6 | R 1,007.4 |
| 1997 | 0.7 | 507.8 | 4.1 | 0.6 | 19.2 | 24.0 | 11.6 | 0.4 | 0.1 | 127.1 | 669.7 | R 286.2 | R 955.9 |
| 1998 | 0.6 | 418.9 | 2.4 | 0.7 | 16.3 | 19.4 | 10.3 | 0.4 | 0.2 | 135.5 | 584.0 | R 305.3 | R 889.3 |
| 1999 | 0.5 | 455.0 | 3.0 | 2.9 | 23.6 | 29.5 | 10.8 | 0.4 | 0.2 | 135.2 | 625.2 | R 307.4 | R 932.6 |
| 2000 | 0.6 | 477.4 | 2.4 | 0.7 | 19.7 | 22.8 | 11.6 | 0.4 | 0.2 | 137.0 | 644.0 | R 309.8 | R 953.8 |
| 2001 | 0.6 | 435.6 | 1.9 | 0.7 | 14.8 | 17.4 | 15.5 | 0.5 | 0.3 | 142.7 | 606.9 | R 316.1 | R 923.1 |
| 2002 | 0.5 | 465.4 | 1.5 | 0.8 | 19.7 | 22.0 | 15.7 | 0.5 | R 0.3 | 153.6 | 652.7 | R 340.5 | R 993.2 |
| 2003 | 0.8 | 480.6 | 1.4 | 0.6 | 16.5 | 18.6 | 16.6 | 0.7 | 0.4 | 147.3 | 659.1 | R 323.1 | R 982.2 |
| 2004 | 0.6 | 449.5 | 1.8 | 0.6 | 15.5 | 17.9 | 17.0 | 0.7 | 0.6 | 148.2 | 629.4 | R 326.0 | R 955.4 |
| 2005 | 0.3 | 444.0 | 1.2 | 0.7 | 15.8 | 17.7 | R 6.3 | 0.8 | 0.8 | 165.8 | R 630.4 | R 360.5 | R 990.9 |
| 2006 | 0.3 | 404.5 | 1.0 | 0.4 | 16.9 | 18.4 | R 5.8 | 1.0 | 1.0 | 158.3 | R 583.6 | R 340.2 | R 923.8 |
| 2007 | 0.4 | 438.9 | 0.9 | 0.3 | 19.1 | 20.3 | R 6.3 | 1.2 | R 1.2 | 163.9 | R 627.0 | R 351.6 | R 978.6 |
| 2008 | 0.5 | 472.4 | 1.0 | 0.1 | 25.9 | 27.1 | R 6.6 | 1.4 | R 1.5 | 159.6 | R 663.7 | R 341.6 | R 1,005.4 |
| 2009 | 0.4 | 445.7 | 0.7 | 0.2 | 23.2 | 24.1 | 6.3 | 1.7 | 1.7 | 151.2 | 625.6 | 318.2 | 943.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 2,614 | 47 | 4,834 | 78 | 898 | 358 | 8,336 | 14,504 | NA | – – | – – | 10,002 | – – | – – | – – |
| 1965 | 1,697 | 129 | 4,148 | 96 | 1,036 | 469 | 7,453 | 13,202 | NA | – – | – – | 15,059 | – – | – – | – – |
| 1970 | 967 | 193 | 3,778 | 51 | 1,490 | 533 | 7,627 | 13,478 | NA | – – | – – | 22,406 | – – | – – | – – |
| 1975 | 536 | 216 | 3,905 | 47 | 1,582 | 678 | 4,960 | 11,171 | NA | – – | – – | 28,097 | – – | – – | – – |
| 1980 | 147 | 228 | 2,100 | 16 | 701 | 1,008 | 2,633 | 6,457 | NA | – – | – – | 31,579 | – – | – – | – – |
| 1985 | 210 | 214 | 4,127 | 96 | 608 | 549 | 343 | 5,723 | NA | – – | – – | 32,578 | – – | – – | – – |
| 1990 | 212 | 200 | 1,799 | 26 | 555 | 560 | 204 | 3,144 | 0 | – – | – – | 38,999 | – – | – – | – – |
| 1995 | 194 | 204 | 1,870 | 80 | 669 | 138 | 45 | 2,803 | 5 | – – | – – | 45,201 | – – | – – | – – |
| 1996 | 165 | 218 | 1,818 | 67 | 902 | 184 | 190 | 3,161 | 5 | – – | – – | 45,586 | – – | – – | – – |
| 1997 | 263 | 203 | 2,205 | 108 | 916 | 224 | 129 | 3,582 | 5 | – – | – – | 46,426 | – – | – – | – – |
| 1998 | 211 | 175 | 1,862 | 39 | 778 | 228 | 115 | 3,022 | 4 | – – | – – | 48,191 | – – | – – | – – |
| 1999 | 159 | 189 | 1,466 | 84 | 1,127 | 152 | 78 | 2,907 | 3 | – – | – – | 50,642 | – – | – – | – – |
| 2000 | 205 | 202 | 1,602 | 68 | 940 | 223 | 14 | 2,847 | 2 | – – | – – | 53,152 | – – | – – | – – |
| 2001 | 203 | 189 | 1,815 | 65 | 707 | 253 | 58 | 2,898 | 3 | – – | – – | 52,976 | – – | – – | – – |
| 2002 | 152 | 205 | 1,640 | 37 | 939 | 379 | 13 | 3,008 | (s) | – – | – – | 53,654 | – – | – – | – – |
| 2003 | 231 | 212 | 1,389 | 37 | 973 | 365 | 7 | 2,770 | (s) | – – | – – | 49,561 | – – | – – | – – |
| 2004 | 225 | 204 | 837 | 45 | 904 | 397 | 49 | 2,232 | 3 | – – | – – | 47,358 | – – | – – | – – |
| 2005 | 134 | 202 | 833 | 53 | 805 | 249 | 60 | 2,000 | 0 | – – | – – | 49,977 | – – | – – | – – |
| 2006 | 122 | 196 | 923 | 33 | 810 | 427 | 1 | 2,194 | 0 | – – | – – | 50,631 | – – | – – | – – |
| 2007 | 145 | 203 | 744 | 36 | 699 | 240 | 0 | 1,719 | 0 | – – | – – | 52,043 | – – | – – | – – |
| 2008 | 188 | 222 | R 1,186 | 7 | 935 | 268 | 2 | R 2,398 | 0 | – – | – – | 51,770 | – – | – – | – – |
| 2009 | 159 | 223 | 877 | 11 | 916 | 901 | 0 | 2,704 | 0 | – – | – – | 50,329 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 62.8 | 48.9 | 28.2 | 0.4 | 3.6 | 1.9 | 52.4 | 86.5 | NA | 0.3 | NA | 34.1 | 232.6 | 84.4 | 317.0 |
| 1965 | 40.6 | 132.7 | 24.2 | 0.5 | 4.2 | 2.5 | 46.9 | 78.2 | NA | 0.2 | NA | 51.4 | 303.1 | 122.7 | 425.8 |
| 1970 | 22.3 | 198.3 | 22.0 | 0.3 | 5.6 | 2.8 | 47.9 | 78.7 | NA | 0.2 | NA | 76.4 | 376.0 | R 184.9 | R 560.9 |
| 1975 | 12.1 | 221.3 | 22.7 | 0.3 | 5.9 | 3.6 | 31.2 | 63.6 | NA | 0.3 | NA | 95.9 | 393.1 | R 230.0 | R 623.1 |
| 1980 | 3.2 | 233.2 | 12.2 | 0.1 | 2.6 | 5.3 | 16.6 | 36.7 | NA | 1.3 | NA | 107.7 | 374.2 | R 258.8 | R 633.1 |
| 1985 | 4.7 | 222.1 | 24.0 | 0.5 | 2.2 | 2.9 | 2.2 | 31.8 | NA | 1.2 | NA | 111.2 | 366.4 | R 254.6 | R 620.9 |
| 1990 | 4.8 | 204.7 | 10.5 | 0.1 | 2.0 | 2.9 | 1.3 | 16.9 | 0.0 | 3.5 | 0.0 | 133.1 | 361.1 | R 305.3 | R 666.5 |
| 1995 | 4.4 | 207.9 | 10.9 | 0.5 | 2.4 | 0.7 | 0.3 | 14.8 | 0.1 | 2.4 | 0.0 | 154.2 | 382.5 | R 348.1 | R 730.7 |
| 1996 | 3.7 | 222.2 | 10.6 | 0.4 | 3.3 | 1.0 | 1.2 | 16.4 | 0.1 | 2.5 | 0.0 | 155.5 | 399.6 | R 351.5 | R 751.1 |
| 1997 | 6.0 | 207.2 | 12.8 | 0.6 | 3.3 | 1.2 | 0.8 | 18.7 | (s) | 1.9 | 0.0 | 158.4 | 391.5 | R 356.6 | R 748.1 |
| 1998 | 4.6 | 178.6 | 10.8 | 0.2 | 2.8 | 1.2 | 0.7 | 15.8 | (s) | 1.7 | 0.0 | 164.4 | 364.7 | R 370.6 | R 735.2 |
| 1999 | 3.5 | 192.7 | 8.5 | 0.5 | 4.1 | 0.8 | 0.5 | 14.4 | (s) | 1.9 | 0.0 | 172.8 | 382.5 | R 392.8 | R 775.3 |
| 2000 | 4.5 | 206.2 | 9.3 | 0.4 | 3.4 | 1.2 | 0.1 | 14.4 | (s) | 2.0 | 0.0 | 181.4 | 405.9 | R 410.2 | R 816.0 |
| 2001 | 4.7 | 192.9 | 10.6 | 0.4 | 2.6 | 1.3 | 0.4 | 15.2 | (s) | 2.8 | 0.0 | 180.8 | 394.0 | R 400.5 | R 794.4 |
| 2002 | 3.5 | 207.3 | 9.6 | 0.2 | 3.4 | 2.0 | 0.1 | 15.2 | (s) | 2.9 | 0.0 | 183.1 | 409.5 | R 405.7 | R 815.2 |
| 2003 | 5.3 | 214.9 | 8.1 | 0.2 | 3.5 | 1.9 | (s) | 13.8 | (s) | 2.9 | 0.0 | 169.1 | 403.4 | R 371.0 | R 774.4 |
| 2004 | 5.1 | 206.8 | 4.9 | 0.3 | 3.3 | 2.1 | 0.3 | 10.8 | (s) | 2.8 | 0.0 | 161.6 | 384.9 | R 355.4 | R 740.3 |
| 2005 | 3.1 | 204.8 | 4.9 | 0.3 | 2.9 | 1.3 | 0.4 | 9.7 | 0.0 | R 1.0 | 0.0 | 170.5 | R 386.8 | R 370.8 | R 757.6 |
| 2006 | 2.8 | 199.4 | 5.4 | 0.2 | 2.9 | 2.2 | (s) | 10.7 | 0.0 | R 0.9 | 0.0 | 172.8 | R 383.9 | R 371.4 | R 755.3 |
| 2007 | 3.3 | 206.1 | 4.3 | 0.2 | 2.5 | 1.3 | 0.0 | 8.3 | 0.0 | R 1.0 | 0.0 | 177.6 | R 393.9 | R 380.9 | R 774.7 |
| 2008 | 4.2 | 225.5 | R 6.9 | (s) | 3.4 | 1.4 | (s) | 11.7 | 0.0 | R 1.1 | 0.0 | 176.6 | R 416.5 | R 378.1 | R 794.6 |
| 2009 | 3.5 | 225.6 | 5.1 | 0.1 | 3.3 | 4.7 | 0.0 | 13.1 | 0.0 | 1.1 | 0.0 | 171.7 | 412.2 | 361.4 | 773.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 13,842 | 186 | 13,545 | 8,534 | 6,476 | 16,835 | 25,548 | 70,939 | 19 | – – | – – | – – | 13,722 | – – | – – | – – |
| 1965 | 15,669 | 238 | 12,074 | 11,399 | 6,512 | 15,064 | 34,211 | 79,260 | 17 | – – | – – | – – | 18,708 | – – | – – | – – |
| 1970 | 10,928 | 381 | 10,836 | 17,818 | 6,017 | 16,694 | 41,014 | 92,380 | 20 | – – | – – | – – | 25,647 | – – | – – | – – |
| 1975 | 7,257 | 352 | 11,138 | 23,889 | 4,290 | 15,728 | 41,495 | 96,540 | 19 | – – | – – | – – | 30,330 | – – | – – | – – |
| 1980 | 5,350 | 349 | 7,842 | 33,867 | 3,505 | 12,598 | 41,694 | 99,506 | 17 | – – | – – | – – | 35,158 | – – | – – | – – |
| 1985 | 5,829 | 285 | 6,617 | 22,607 | 1,738 | 3,410 | 28,905 | 63,277 | 17 | – – | – – | – – | 36,178 | – – | – – | – – |
| 1990 | 6,243 | 276 | 8,848 | 8,368 | 1,264 | 1,717 | 41,201 | 61,398 | 0 | – – | – – | – – | 39,299 | – – | – – | – – |
| 1995 | 5,937 | 321 | 7,846 | 20,981 | 1,500 | 363 | 43,638 | 74,328 | 0 | – – | – – | – – | 42,251 | – – | – – | – – |
| 1996 | 6,154 | 322 | 7,691 | 18,725 | 1,464 | 592 | 41,154 | 69,625 | 0 | – – | – – | – – | 42,423 | – – | – – | – – |
| 1997 | 6,325 | 318 | 8,112 | 18,373 | 1,489 | 677 | 41,320 | 69,971 | 0 | – – | – – | – – | 42,837 | – – | – – | – – |
| 1998 | 6,170 | 303 | 9,535 | 10,222 | 1,347 | 150 | 42,105 | 63,359 | 0 | – – | – – | – – | 43,377 | – – | – – | – – |
| 1999 | 5,990 | 305 | 7,385 | 14,587 | 1,087 | 157 | 44,633 | 67,850 | 0 | – – | – – | – – | 41,972 | – – | – – | – – |
| 2000 | 5,590 | 301 | 7,798 | 13,521 | 1,032 | 243 | 39,798 | 62,392 | 0 | – – | – – | – – | 40,939 | – – | – – | – – |
| 2001 | 4,710 | 277 | 7,557 | 13,426 | 2,089 | 309 | 37,762 | 61,143 | 0 | – – | – – | – – | 40,780 | – – | – – | – – |
| 2002 | 4,180 | 291 | 7,394 | 13,574 | 2,248 | 87 | 39,242 | 62,546 | 0 | – – | – – | – – | 39,288 | – – | – – | – – |
| 2003 | 4,305 | 270 | 6,967 | 9,737 | 2,445 | 132 | 41,051 | 60,331 | 0 | – – | – – | – – | 43,042 | – – | – – | – – |
| 2004 | 4,195 | 264 | 8,056 | 12,168 | 2,714 | 335 | 40,525 | 63,797 | 0 | – – | – – | – – | 48,008 | – – | – – | – – |
| 2005 | 4,152 | 261 | 8,182 | 14,892 | 2,639 | 303 | 41,154 | 67,170 | 0 | – – | – – | – – | 45,888 | – – | – – | – – |
| 2006 | 4,266 | 246 | 8,362 | 14,790 | 2,745 | 180 | R 36,349 | R 62,427 | 0 | – – | – – | – – | 44,916 | – – | – – | – – |
| 2007 | 4,449 | 255 | 8,653 | 14,735 | 1,794 | 85 | R 35,079 | R 60,346 | 0 | – – | – – | – – | 45,430 | – – | – – | – – |
| 2008 | 4,315 | 264 | R 8,384 | R 10,622 | 1,499 | 118 | R 34,421 | R 55,042 | 0 | – – | – – | – – | 45,503 | – – | – – | – – |
| 2009 | 3,396 | 235 | 5,567 | 12,203 | 1,508 | 8 | 31,408 | 50,693 | 0 | – – | – – | – – | 41,507 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 338.8 | 192.7 | 78.9 | 34.2 | 34.0 | 105.8 | 156.8 | 409.8 | 0.2 | 16.0 | NA | NA | 46.8 | 1,004.3 | 115.8 | 1,120.1 |
| 1965 | 381.7 | 244.6 | 70.3 | 45.7 | 34.2 | 94.7 | 206.9 | 451.9 | 0.2 | 22.0 | NA | NA | 63.8 | 1,164.2 | 152.4 | 1,316.6 |
| 1970 | 260.2 | 390.5 | 63.1 | 67.3 | 31.6 | 105.0 | 249.0 | 516.0 | 0.2 | 26.4 | NA | NA | 87.5 | 1,280.8 | R 211.7 | R 1,492.5 |
| 1975 | 172.9 | 361.4 | 64.9 | 88.7 | 22.5 | 98.9 | 251.1 | 526.2 | 0.2 | 27.7 | NA | NA | 103.5 | 1,192.0 | R 248.2 | R 1,440.2 |
| 1980 | 127.7 | 357.0 | 45.7 | 124.4 | 18.4 | 79.2 | 248.9 | 516.6 | 0.2 | 39.0 | NA | NA | 120.0 | 1,148.2 | R 288.2 | R 1,436.4 |
| 1985 | 142.3 | 296.3 | 38.5 | 81.5 | 9.1 | 21.4 | 174.9 | 325.5 | 0.2 | 45.7 | 22.5 | NA | 123.4 | R 949.9 | R 282.7 | R 1,232.6 |
| 1990 | 150.8 | 281.8 | 51.5 | 30.3 | 6.6 | 10.8 | 245.1 | 344.4 | 0.0 | 31.6 | 20.2 | 0.0 | 134.1 | R 960.6 | R 307.7 | R 1,268.2 |
| 1995 | 144.6 | 327.4 | 45.7 | 76.0 | 7.8 | 2.3 | 256.7 | 388.5 | 0.0 | 28.3 | 29.0 | 0.0 | 144.2 | R 1,060.0 | R 325.4 | R 1,385.4 |
| 1996 | 150.1 | 328.2 | 44.8 | 67.7 | 7.6 | 3.7 | 245.8 | 369.6 | 0.0 | 33.3 | 11.8 | 0.0 | 144.7 | R 1,036.7 | R 327.1 | R 1,363.8 |
| 1997 | 155.4 | 324.4 | 47.3 | 66.4 | 7.8 | 4.3 | 246.3 | 372.0 | 0.0 | 29.7 | 20.7 | 0.0 | 146.2 | R 1,047.1 | R 329.0 | R 1,376.1 |
| 1998 | 152.4 | 309.8 | 55.5 | 36.9 | 7.0 | 0.9 | 251.9 | 352.4 | 0.0 | 25.8 | 24.2 | 0.0 | 148.0 | R 1,011.7 | R 333.5 | R 1,345.2 |
| 1999 | 148.4 | 311.9 | 43.0 | 52.7 | 5.7 | 1.0 | 267.1 | 369.6 | 0.0 | 25.9 | 22.3 | 0.0 | 143.2 | R 1,016.8 | R 325.6 | R 1,342.4 |
| 2000 | 136.3 | 307.8 | 45.4 | 48.8 | 5.4 | 1.5 | 237.6 | 338.7 | 0.0 | 20.7 | 26.7 | 0.0 | 139.7 | R 965.9 | R 315.9 | R 1,281.8 |
| 2001 | 111.3 | 282.9 | 44.0 | 48.5 | 10.9 | 1.9 | 225.9 | 331.3 | 0.0 | 14.6 | 29.1 | 0.0 | 139.1 | R 904.7 | R 308.3 | R 1,213.0 |
| 2002 | 96.8 | 294.4 | 43.1 | 49.0 | 11.7 | 0.5 | 235.1 | 339.5 | 0.0 | 15.5 | 39.7 | 0.0 | 134.0 | R 916.4 | R 297.1 | R 1,213.5 |
| 2003 | 98.1 | 274.4 | 40.6 | 35.3 | 12.7 | 0.8 | 246.3 | 335.8 | 0.0 | 15.2 | 47.2 | 0.0 | 146.9 | R 914.4 | R 322.2 | R 1,236.5 |
| 2004 | 93.6 | 267.1 | 46.9 | 44.0 | 14.2 | 2.1 | 242.2 | 349.4 | 0.0 | 15.3 | 44.2 | 0.0 | 163.8 | R 930.5 | R 360.3 | R 1,290.8 |
| 2005 | 92.5 | 264.4 | 47.7 | 53.9 | 13.8 | 1.9 | 246.4 | 363.6 | 0.0 | 16.0 | 42.2 | 0.0 | 156.6 | R 932.2 | R 340.5 | R 1,272.7 |
| 2006 | 95.2 | 249.4 | 48.7 | 53.3 | 14.3 | 1.1 | R 219.1 | R 336.6 | 0.0 | R 10.7 | 43.0 | 0.0 | 153.3 | R 884.8 | R 329.5 | R 1,214.2 |
| 2007 | 99.4 | 258.4 | 50.4 | 52.9 | 9.4 | 0.5 | R 210.9 | R 324.1 | 0.0 | R 11.9 | 52.2 | 0.0 | 155.0 | R 898.0 | R 332.5 | R 1,230.5 |
| 2008 | 95.3 | 267.7 | R 48.8 | R 38.2 | 7.8 | 0.7 | R 208.8 | R 304.5 | 0.0 | R 11.8 | 57.5 | 0.0 | 155.3 | R 889.0 | R 332.3 | R 1,221.3 |
| 2009 | 73.9 | 238.2 | 32.4 | 43.4 | 7.9 | 0.1 | 190.8 | 274.6 | 0.0 | 12.6 | 72.1 | 0.0 | 141.6 | 810.0 | 298.0 | 1,108.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 238 | 10 | 3,733 | 8,721 | 4,356 | 316 | 1,333 | 71,193 | 1,168 | 90,819 | 308 | – – | – – | – – |
| 1965 | 51 | 13 | 383 | 11,509 | 12,176 | 318 | 1,295 | 81,788 | 423 | 107,891 | 302 | – – | – – | – – |
| 1970 | 17 | 28 | 264 | 15,234 | 22,644 | 526 | 1,239 | 100,534 | 408 | 140,850 | 296 | – – | – – | – – |
| 1975 | 1 | 14 | 82 | 20,488 | 24,271 | 486 | 1,452 | 113,669 | 215 | 160,662 | 262 | – – | – – | – – |
| 1980 | 0 | 15 | 132 | 22,560 | 19,508 | 178 | 1,514 | 104,550 | 279 | 148,721 | 282 | – – | – – | – – |
| 1985 | 0 | 11 | 212 | 19,061 | 2,748 | 423 | 1,378 | 108,826 | 187 | 132,835 | 379 | – – | – – | – – |
| 1990 | 0 | 12 | 164 | 30,695 | 3,952 | 328 | 1,550 | 104,123 | 51 | 140,863 | 408 | – – | – – | – – |
| 1995 | 0 | 13 | 215 | 24,293 | 10,360 | 287 | 1,479 | 109,570 | 35 | 146,240 | 393 | – – | – – | – – |
| 1996 | 0 | 15 | 202 | 26,201 | 12,076 | 247 | 1,435 | 109,906 | 30 | 150,097 | 427 | – – | – – | – – |
| 1997 | 0 | 15 | 197 | 25,917 | 12,502 | 175 | 1,516 | 111,630 | 47 | 151,984 | 426 | – – | – – | – – |
| 1998 | 0 | 13 | 168 | 28,110 | 13,164 | 269 | 1,587 | 112,132 | 37 | 155,468 | 422 | – – | – – | – – |
| 1999 | 0 | 12 | 172 | 33,544 | 18,245 | 337 | 1,604 | 117,570 | 30 | 171,503 | 437 | – – | – – | – – |
| 2000 | 0 | 14 | 156 | 32,770 | 22,699 | 217 | 1,580 | 118,731 | 92 | 176,244 | 459 | – – | – – | – – |
| 2001 | 0 | 11 | 113 | 32,215 | 18,664 | 112 | 1,448 | 118,783 | 134 | 171,469 | 457 | – – | – – | – – |
| 2002 | 0 | 13 | 185 | 30,265 | 13,583 | 224 | 1,430 | 120,034 | 74 | 165,796 | 475 | – – | – – | – – |
| 2003 | 0 | 11 | 162 | 37,874 | 13,365 | 211 | 1,322 | 119,937 | 120 | 172,991 | 484 | – – | – – | – – |
| 2004 | 0 | 12 | 177 | 37,340 | 21,547 | 191 | 1,340 | 122,842 | 16 | 183,452 | 445 | – – | – – | – – |
| 2005 | 0 | 11 | 97 | 38,530 | 39,525 | 306 | 1,333 | 121,758 | 23 | 201,572 | 528 | – – | – – | – – |
| 2006 | 0 | 11 | 83 | 39,486 | 28,578 | 453 | 1,298 | 122,220 | 47 | 192,165 | 519 | – – | – – | – – |
| 2007 | 0 | 12 | 78 | 39,479 | 29,573 | 340 | 1,341 | 122,242 | 37 | 193,091 | 545 | – – | – – | – – |
| 2008 | 0 | 14 | 90 | R 38,319 | 27,993 | R 740 | 1,245 | 118,010 | 35 | R 186,432 | 566 | – – | – – | – – |
| 2009 | 0 | 15 | 60 | 36,638 | 24,970 | 492 | 1,119 | 115,953 | 25 | 179,256 | 527 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 5.7 | 10.4 | 18.8 | 50.8 | 24.4 | 1.3 | 8.1 | 374.0 | 7.3 | 484.7 | 1.1 | 501.9 | 2.6 | 504.5 |
| 1965 | 1.2 | 13.8 | 1.9 | 67.0 | 68.8 | 1.3 | 7.9 | 429.6 | 2.7 | 579.2 | 1.0 | 595.2 | 2.5 | 597.6 |
| 1970 | 0.4 | 28.7 | 1.3 | 88.7 | 128.2 | 2.0 | 7.5 | 528.1 | 2.6 | 758.4 | 1.0 | 788.5 | 2.4 | 790.9 |
| 1975 | (s) | 14.6 | 0.4 | 119.3 | 137.4 | 1.8 | 8.8 | 597.1 | 1.4 | 866.2 | 0.9 | 881.8 | 2.1 | 883.9 |
| 1980 | 0.0 | 14.9 | 0.7 | 131.4 | 110.4 | 0.7 | 9.2 | 549.2 | 1.8 | 803.3 | 1.0 | 819.1 | 2.3 | 821.4 |
| 1985 | 0.0 | 11.6 | 1.1 | 111.0 | 15.4 | 1.5 | 8.4 | 571.7 | 1.2 | 710.2 | 1.3 | R 730.1 | 3.0 | R 733.0 |
| 1990 | 0.0 | 12.4 | 0.8 | 178.8 | 22.3 | 1.2 | 9.4 | 547.0 | 0.3 | 759.8 | 1.4 | R 784.7 | 3.2 | R 787.9 |
| 1995 | 0.0 | 13.6 | 1.1 | 141.5 | 58.7 | 1.0 | 9.0 | 571.4 | 0.2 | 783.0 | 1.3 | 797.9 | 3.0 | 800.9 |
| 1996 | 0.0 | 14.8 | 1.0 | 152.6 | 68.5 | 0.9 | 8.7 | 573.3 | 0.2 | 805.2 | 1.5 | 821.4 | 3.3 | 824.7 |
| 1997 | 0.0 | 15.0 | 1.0 | 151.0 | 70.9 | 0.6 | 9.2 | 581.9 | 0.3 | 814.9 | 1.5 | 831.4 | 3.3 | 834.7 |
| 1998 | 0.0 | 13.5 | 0.8 | 163.7 | 74.6 | 1.0 | 9.6 | 584.4 | 0.2 | 834.5 | 1.4 | 849.4 | R 3.2 | 852.7 |
| 1999 | 0.0 | 11.8 | 0.9 | 195.4 | 103.4 | 1.2 | 9.7 | 612.7 | 0.2 | 923.5 | 1.5 | 936.8 | 3.4 | 940.2 |
| 2000 | 0.0 | 13.8 | 0.8 | 190.9 | 128.7 | 0.8 | 9.6 | 618.6 | 0.6 | 949.9 | 1.6 | 965.3 | R 3.5 | R 968.8 |
| 2001 | 0.0 | 11.4 | 0.6 | 187.6 | 105.8 | 0.4 | 8.8 | 618.9 | 0.8 | 922.9 | 1.6 | 935.9 | 3.5 | 939.3 |
| 2002 | 0.0 | 13.7 | 0.9 | 176.3 | 77.0 | 0.8 | 8.7 | 625.1 | 0.5 | 889.3 | 1.6 | 904.6 | 3.6 | 908.2 |
| 2003 | 0.0 | 11.0 | 0.8 | 220.6 | 75.8 | 0.8 | 8.0 | 624.5 | 0.8 | 931.3 | 1.7 | 943.9 | 3.6 | 947.5 |
| 2004 | 0.0 | 11.7 | 0.9 | 217.5 | 122.2 | 0.7 | 8.1 | 640.6 | 0.1 | 990.1 | 1.5 | 1,003.4 | R 3.3 | 1,006.7 |
| 2005 | 0.0 | 11.3 | 0.5 | 224.4 | 224.1 | 1.1 | 8.1 | 635.3 | 0.1 | 1,093.7 | 1.8 | 1,106.8 | 3.9 | 1,110.8 |
| 2006 | 0.0 | 11.3 | 0.4 | 230.0 | 162.0 | 1.6 | 7.9 | 637.7 | 0.3 | 1,040.0 | 1.8 | 1,053.1 | 3.8 | 1,056.9 |
| 2007 | 0.0 | 11.8 | 0.4 | 230.0 | 167.7 | 1.2 | 8.1 | 638.0 | 0.2 | 1,045.6 | 1.9 | 1,059.3 | 4.0 | 1,063.3 |
| 2008 | 0.0 | 13.7 | 0.5 | R 223.2 | 158.7 | R 2.7 | 7.6 | 615.8 | 0.2 | R 1,008.6 | 1.9 | R 1,024.2 | R 4.1 | R 1,028.4 |
| 2009 | 0.0 | 15.0 | 0.3 | 213.4 | 141.6 | 1.8 | 6.8 | 605.0 | 0.2 | 969.0 | 1.8 | 985.8 | 3.8 | 989.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Illinois

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 19,218 | 42 | 194 | 161 | 0 | 355 | 254 | 166 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 25,047 | 35 | 152 | 126 | 0 | 278 | 965 | 158 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 28,993 | 132 | 3,221 | 2,667 | 0 | 5,888 | 2,514 | 146 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 32,350 | 34 | 7,239 | 3,833 | 0 | 11,072 | 22,315 | 104 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 34,611 | 19 | 12,762 | 847 | 0 | 13,608 | 27,742 | 121 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 31,608 | 6 | 2,569 | 436 | 0 | 3,005 | 39,106 | 119 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 27,396 | 9 | 1,622 | 491 | 0 | 2,113 | 71,887 | 144 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 33,463 | 39 | 1,013 | 539 | 385 | 1,938 | 78,481 | 119 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 38,091 | 26 | 1,184 | 548 | 241 | 1,973 | 69,774 | 100 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 41,017 | 45 | 577 | 551 | 19 | 1,147 | 51,069 | 92 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 39,660 | 57 | 744 | 595 | 346 | 1,684 | 55,596 | 134 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 40,548 | 54 | 269 | 459 | 93 | 821 | 81,744 | 139 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 46,046 | 47 | 795 | 363 | 0 | 1,158 | 89,438 | 142 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 45,732 | 47 | 2,675 | 289 | 0 | 2,964 | 92,358 | 141 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 49,266 | 82 | 218 | 234 | 0 | 453 | 90,860 | 129 | – – | 0 | 0 | 0 | -125 | – – |
| 2003 | 50,180 | 32 | 1,969 | 256 | 0 | 2,225 | 94,733 | 138 | – – | 0 | 0 | 18 | -160 | – – |
| 2004 | 54,078 | 31 | 1,112 | 210 | 197 | 1,518 | 92,047 | 150 | – – | 0 | 0 | 78 | -16 | – – |
| 2005 | 53,822 | 58 | 141 | 338 | 190 | 669 | 93,263 | 129 | – – | 0 | 0 | 141 | -18 | – – |
| 2006 | 53,939 | 43 | 30 | 200 | 54 | 284 | 94,154 | 173 | – – | 0 | 0 | 255 | (s) | – – |
| 2007 | 56,488 | 63 | 12 | 260 | 0 | 272 | 95,729 | 154 | – – | 0 | 0 | 664 | 60 | – – |
| 2008 | 57,368 | 35 | 9 | 263 | 0 | 272 | 95,152 | 139 | – – | 0 | 0 | 2,337 | 42 | – – |
| 2009 | 53,670 | 33 | 1 | 227 | 0 | 229 | 95,474 | 136 | – – | 0 | (s) | 2,820 | 8 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 416.9 | 43.8 | 1.2 | 0.9 | 0.0 | 2.2 | 3.0 | 1.8 | 0.0 | 0.0 | NA | NA | 0.0 | 467.6 |
| 1965 | 537.2 | 35.6 | 1.0 | 0.7 | 0.0 | 1.7 | 11.4 | 1.7 | (s) | 0.0 | NA | NA | 0.0 | 587.6 |
| 1970 | 608.9 | 135.7 | 20.3 | 15.5 | 0.0 | 35.8 | 27.6 | 1.5 | (s) | 0.0 | NA | NA | 0.0 | 809.5 |
| 1975 | 655.4 | 35.2 | 45.5 | 22.2 | 0.0 | 67.8 | 245.8 | 1.1 | 0.0 | 0.0 | NA | NA | 0.0 | 1,005.2 |
| 1980 | 712.7 | 19.6 | 80.2 | 4.9 | 0.0 | 85.1 | 302.6 | 1.3 | 0.0 | 0.0 | NA | NA | 0.0 | 1,120.7 |
| 1985 | 662.8 | 6.0 | 16.2 | 2.5 | 0.0 | 18.7 | 415.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,104.0 |
| 1990 | 591.4 | 9.4 | 10.2 | 2.9 | 0.0 | 13.1 | 760.7 | 1.5 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,378.4 |
| 1995 | 677.0 | 39.9 | 6.4 | 3.1 | 2.3 | 11.8 | 824.6 | 1.2 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,558.6 |
| 1996 | 765.5 | 26.3 | 7.4 | 3.2 | 1.5 | 12.1 | 732.8 | 1.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,543.3 |
| 1997 | 812.8 | 45.4 | 3.6 | 3.2 | 0.1 | 7.0 | 535.9 | 0.9 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,411.8 |
| 1998 | 791.5 | 57.6 | 4.7 | 3.5 | 2.1 | 10.2 | 583.3 | 1.4 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,452.5 |
| 1999 | 806.5 | 54.9 | 1.7 | 2.7 | 0.6 | 4.9 | 854.2 | 1.4 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,732.4 |
| 2000 | 875.2 | 48.1 | 5.0 | 2.1 | 0.0 | 7.1 | 932.7 | 1.4 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,874.9 |
| 2001 | 867.2 | 47.8 | 16.8 | 1.7 | 0.0 | 18.5 | 964.5 | 1.5 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,907.9 |
| 2002 | 886.1 | 82.8 | 1.4 | 1.4 | 0.0 | 2.7 | 948.8 | 1.3 | 10.0 | 0.0 | 0.0 | 0.0 | -0.4 | 1,930.3 |
| 2003 | 905.8 | 32.6 | 12.4 | 1.5 | 0.0 | 13.9 | 987.2 | 1.4 | 9.7 | 0.0 | 0.0 | 0.2 | -0.5 | 1,949.9 |
| 2004 | 970.2 | 31.4 | 7.0 | 1.2 | 1.2 | 9.4 | 959.8 | 1.5 | 9.6 | 0.0 | 0.0 | 0.8 | -0.1 | 1,982.2 |
| 2005 | 951.6 | 59.6 | 0.9 | 2.0 | 1.1 | 4.0 | 973.3 | 1.3 | 8.1 | 0.0 | 0.0 | 1.4 | -0.1 | 1,998.6 |
| 2006 | 947.1 | 43.7 | 0.2 | 1.2 | 0.3 | 1.7 | 982.6 | 1.7 | 8.0 | 0.0 | 0.0 | 2.5 | (s) | 1,986.7 |
| 2007 | 988.3 | 64.0 | 0.1 | 1.5 | 0.0 | 1.6 | 1,003.7 | 1.5 | 8.3 | 0.0 | 0.0 | 6.6 | 0.2 | 2,073.4 |
| 2008 | 1,003.2 | 35.2 | 0.1 | 1.5 | 0.0 | 1.6 | 994.6 | 1.4 | 9.5 | 0.0 | 0.0 | 23.0 | 0.1 | 2,068.3 |
| 2009 | 937.1 | 33.8 | (s) | 1.3 | 0.0 | 1.3 | 998.7 | 1.3 | 9.4 | 0.0 | (s) | 27.5 | (s) | 2,008.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 32,592 | 212 | 25,707 | 1,316 | 5,751 | 43,595 | 13,076 | 18,365 | 107,809 | 0 | 100 | NA |
| 1965 | 37,349 | 358 | 25,948 | 1,848 | 6,654 | 48,051 | 13,033 | 21,854 | 117,388 | 0 | 94 | NA |
| 1970 | 42,776 | 545 | 29,379 | 2,558 | 8,978 | 58,905 | 9,769 | 24,311 | 133,900 | 0 | 495 | NA |
| 1971 | 40,558 | 567 | 30,693 | 2,699 | 9,097 | 60,248 | 12,409 | 25,117 | 140,262 | 0 | 431 | NA |
| 1972 | 45,121 | 577 | 34,399 | 2,818 | 10,430 | 63,465 | 14,458 | 24,994 | 150,565 | 0 | 385 | NA |
| 1973 | 47,256 | 542 | 34,928 | 2,851 | 10,679 | 66,082 | 15,652 | 27,086 | 157,278 | 0 | 480 | NA |
| 1974 | 44,869 | 532 | 33,071 | 2,585 | 11,249 | 64,300 | 18,213 | 26,043 | 155,460 | 0 | 445 | NA |
| 1975 | 46,210 | 477 | 32,655 | 2,619 | 12,335 | 64,639 | 15,007 | 22,683 | 149,938 | 0 | 444 | NA |
| 1976 | 46,316 | 425 | 35,662 | 2,623 | 14,526 | 67,324 | 19,594 | 21,087 | 160,816 | 0 | 479 | NA |
| 1977 | 48,318 | 398 | 37,113 | 2,676 | 16,458 | 67,441 | 20,910 | 22,788 | 167,388 | 0 | 374 | NA |
| 1978 | 47,205 | 441 | 36,984 | 2,498 | 14,148 | 70,588 | 20,410 | 25,271 | 169,899 | 0 | 361 | NA |
| 1979 | 50,998 | 504 | 36,102 | 2,588 | 9,475 | 65,370 | 18,116 | 23,077 | 154,727 | 0 | 438 | NA |
| 1980 | 50,485 | 489 | 30,795 | 2,151 | 7,961 | 60,192 | 14,615 | 20,168 | 135,881 | 0 | 474 | NA |
| 1981 | 50,038 | 496 | 28,944 | 2,848 | 7,251 | 61,155 | 7,563 | 21,009 | 128,770 | 0 | 509 | 0 |
| 1982 | 44,243 | 468 | 28,851 | 4,361 | 6,828 | 56,476 | 4,680 | 18,493 | 119,688 | 0 | 428 | 287 |
| 1983 | 48,340 | 427 | 27,711 | 4,395 | 6,870 | 57,442 | 3,005 | 19,504 | 118,928 | 0 | 418 | 1,220 |
| 1984 | 53,571 | 452 | 31,235 | 15,451 | 5,334 | 58,057 | 2,108 | 20,597 | 132,782 | 0 | 436 | 1,317 |
| 1985 | 53,291 | 433 | 31,046 | 15,445 | 4,947 | 57,936 | 3,768 | 18,879 | 132,022 | 0 | 426 | 1,308 |
| 1986 | 50,643 | 395 | 31,775 | 18,611 | 6,143 | 59,993 | 4,308 | 18,850 | 139,679 | 0 | 506 | 1,452 |
| 1987 | 51,385 | 413 | 32,651 | 19,141 | 6,094 | 63,316 | 3,594 | 22,018 | 146,813 | 0 | 507 | 1,670 |
| 1988 | 55,830 | 457 | 29,112 | 16,546 | 6,753 | 64,140 | 3,130 | 22,928 | 142,610 | 0 | 441 | 1,584 |
| 1989 | 57,388 | 462 | 33,719 | 17,557 | 8,113 | 61,701 | 3,228 | 22,158 | 146,476 | 0 | 450 | 1,764 |
| 1990 | 61,701 | 451 | 32,957 | 17,889 | 9,563 | 61,930 | 3,827 | 25,157 | 151,323 | 0 | 441 | 1,507 |
| 1991 | 60,790 | 457 | 32,194 | 17,228 | 9,508 | 61,302 | 3,220 | 24,248 | 147,700 | 0 | 399 | 1,790 |
| 1992 | 58,765 | 483 | 31,297 | 16,001 | 7,045 | 61,975 | 4,066 | 26,068 | 146,452 | 0 | 562 | 1,706 |
| 1993 | 60,353 | 518 | 32,402 | 16,366 | 7,778 | 65,531 | 2,887 | 27,015 | 151,977 | 0 | 448 | 1,788 |
| 1994 | 59,996 | 519 | 33,660 | 17,299 | 7,134 | 66,838 | 3,000 | 28,887 | 156,818 | 0 | 407 | 1,760 |
| 1995 | 62,631 | 535 | 33,345 | 17,344 | 6,788 | 70,100 | 1,833 | 24,754 | 154,165 | 0 | 467 | 2,222 |
| 1996 | 64,021 | 573 | 34,713 | 12,576 | 8,555 | 69,578 | 1,328 | 29,698 | 156,448 | 0 | 448 | 1,132 |
| 1997 | 66,051 | 557 | 36,839 | 10,996 | 7,379 | 69,828 | 1,478 | 30,970 | 157,490 | 0 | 562 | 1,519 |
| 1998 | 66,480 | 522 | 36,727 | 9,656 | 5,346 | 74,133 | 1,162 | 29,784 | 156,807 | 0 | 479 | 1,447 |
| 1999 | 67,364 | 557 | 39,274 | 11,198 | 6,730 | 72,552 | 562 | 32,389 | 162,704 | 0 | 407 | 2,537 |
| 2000 | 72,273 | 571 | 40,117 | 14,006 | 8,429 | 73,878 | 767 | 27,702 | 164,898 | 0 | 588 | 2,832 |
| 2001 | 71,082 | 502 | 32,921 | 11,763 | 6,230 | 75,199 | 564 | 25,245 | 151,922 | 0 | 571 | 2,637 |
| 2002 | 71,312 | 539 | 42,161 | 10,778 | 8,632 | 74,297 | 419 | 25,334 | 161,619 | 0 | 411 | 2,996 |
| 2003 | 72,156 | 527 | 45,163 | 9,358 | 9,013 | 76,844 | 453 | 25,800 | 166,630 | 0 | 424 | 3,210 |
| 2004 | 73,665 | 527 | 41,160 | 8,558 | 8,171 | 77,109 | 809 | 28,910 | 164,717 | 0 | 444 | 3,245 |
| 2005 | 72,834 | 531 | 43,742 | 6,950 | 6,899 | 77,008 | 858 | 27,862 | 163,318 | 0 | 438 | 3,659 |
| 2006 | 72,937 | 496 | 43,808 | 7,865 | 6,425 | 77,103 | 1,101 | R 25,584 | R 161,886 | 0 | 490 | 3,870 |
| 2007 | 72,720 | 536 | 43,154 | 7,450 | 7,474 | 76,610 | 605 | R 23,744 | R 159,036 | 0 | 450 | 4,734 |
| 2008 | 72,303 | 551 | R 41,887 | 6,263 | 7,670 | 74,157 | 752 | R 21,625 | R 152,354 | 0 | 437 | 6,374 |
| 2009 | 63,769 | 507 | 35,625 | 7,452 | 8,122 | 73,584 | 184 | 21,196 | 146,163 | 0 | 503 | 7,036 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Indiana
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 794.9 | 219.8 | 149.7 | 7.1 | 23.1 | 229.0 | 82.2 | 110.6 | 601.7 | 1,616.4 | *219.8* | *229.0* |
| 1965 | 900.6 | 357.5 | 151.1 | 10.2 | 26.7 | 252.4 | 81.9 | 130.9 | 653.3 | 1,911.4 | *357.5* | *252.4* |
| 1970 | 1,006.8 | 548.6 | 171.1 | 14.2 | 33.9 | 309.4 | 61.4 | 147.6 | 737.7 | 2,293.2 | *548.6* | *309.4* |
| 1971 | 942.3 | 570.4 | 178.8 | 15.0 | 34.3 | 316.5 | 78.0 | 153.8 | 776.3 | 2,289.0 | *570.4* | *316.5* |
| 1972 | 1,050.9 | 580.4 | 200.4 | 15.7 | 39.2 | 333.4 | 90.9 | 152.4 | 832.0 | 2,463.3 | *580.4* | *333.4* |
| 1973 | 1,097.9 | 541.2 | 203.5 | 15.9 | 40.0 | 347.1 | 98.4 | 166.2 | 871.1 | 2,510.2 | *541.2* | *347.1* |
| 1974 | 1,038.1 | 530.3 | 192.6 | 14.4 | 42.0 | 337.8 | 114.5 | 159.8 | 861.0 | 2,429.4 | *530.3* | *337.8* |
| 1975 | 1,061.2 | 472.6 | 190.2 | 14.6 | 45.8 | 339.6 | 94.3 | 138.5 | 823.0 | 2,356.7 | *472.6* | *339.6* |
| 1976 | 1,062.9 | 421.0 | 207.7 | 14.6 | 53.9 | 353.7 | 123.2 | 128.6 | 881.7 | 2,365.6 | *421.0* | *353.7* |
| 1977 | 1,110.0 | 394.3 | 216.2 | 14.9 | 60.5 | 354.3 | 131.5 | 139.3 | 916.7 | 2,420.9 | *394.3* | *354.3* |
| 1978 | 1,074.6 | 436.1 | 215.4 | 14.0 | 51.9 | 370.8 | 128.3 | 155.4 | 935.8 | 2,446.6 | *436.1* | *370.8* |
| 1979 | 1,171.6 | 499.3 | 210.3 | 14.5 | 34.9 | 343.4 | 113.9 | 141.8 | 858.7 | 2,529.7 | *499.3* | *343.4* |
| 1980 | 1,157.0 | 482.3 | 179.4 | 12.0 | 29.2 | 316.2 | 91.9 | 122.6 | 751.3 | 2,390.5 | *483.9* | *316.2* |
| 1981 | 1,150.6 | 487.9 | 168.6 | 15.9 | 26.4 | 321.2 | 47.5 | 127.8 | 707.5 | 2,346.0 | *492.9* | *321.2* |
| 1982 | 1,007.2 | 471.8 | 168.1 | 24.5 | 24.7 | 296.7 | 29.4 | 113.0 | 656.3 | 2,135.3 | *475.3* | *296.7* |
| 1983 | 1,105.1 | 425.2 | 161.4 | 24.7 | 24.8 | 301.7 | 18.9 | 119.5 | 651.1 | 2,181.4 | *429.3* | *301.7* |
| 1984 | 1,209.5 | 451.4 | 181.9 | 87.4 | 19.2 | 305.0 | 13.3 | 125.0 | 731.7 | 2,392.6 | *455.5* | *305.0* |
| 1985 | 1,193.3 | 433.7 | 180.8 | 87.4 | 17.8 | 304.3 | 23.7 | 114.9 | 729.0 | 2,356.0 | *436.4* | *304.3* |
| 1986 | 1,130.1 | 396.4 | 185.1 | 105.3 | 22.4 | 315.1 | 27.1 | 116.1 | 771.1 | 2,297.6 | *398.7* | *315.1* |
| 1987 | 1,166.6 | 412.4 | 190.2 | 108.3 | 22.3 | 332.6 | 22.6 | 135.5 | 811.4 | 2,390.4 | *416.3* | *332.6* |
| 1988 | 1,267.2 | 459.4 | 169.6 | 93.6 | 24.7 | 336.9 | 19.7 | 140.2 | 784.6 | 2,511.2 | *463.7* | *336.9* |
| 1989 | 1,292.6 | 465.9 | 196.4 | 99.3 | 29.9 | 324.1 | 20.3 | 135.0 | 805.0 | 2,563.5 | *469.4* | *324.1* |
| 1990 | 1,361.8 | 456.0 | 192.0 | 101.3 | 34.7 | 325.3 | 24.1 | 154.3 | 831.6 | 2,649.4 | *459.1* | *325.3* |
| 1991 | 1,339.0 | 460.6 | 187.5 | 97.5 | 34.4 | 322.0 | 20.2 | 147.0 | 808.6 | 2,608.2 | *463.7* | *322.0* |
| 1992 | 1,291.1 | 485.3 | 182.3 | 90.5 | 25.5 | 325.6 | 25.6 | 156.5 | 806.0 | 2,582.4 | *488.8* | *325.6* |
| 1993 | 1,319.9 | 521.2 | 188.7 | 92.7 | 28.0 | R 338.0 | 18.1 | 164.7 | R 830.3 | R 2,671.4 | *524.5* | *344.2* |
| 1994 | 1,297.2 | 523.5 | 196.1 | 98.0 | 25.9 | R 343.5 | 18.9 | 176.2 | R 858.5 | R 2,679.2 | *526.0* | *349.6* |
| 1995 | 1,344.4 | 538.4 | 194.2 | 98.3 | 24.6 | R 357.9 | 11.5 | 149.6 | R 836.2 | R 2,719.0 | *541.6* | *365.6* |
| 1996 | 1,374.5 | 576.3 | 202.2 | 71.3 | 30.9 | R 359.0 | 8.3 | 178.7 | R 850.4 | R 2,801.2 | *579.5* | *362.9* |
| 1997 | 1,423.5 | 559.1 | 214.6 | 62.3 | 26.7 | R 358.7 | 9.3 | 186.7 | R 858.3 | R 2,840.9 | *562.8* | *364.0* |
| 1998 | 1,448.0 | 527.4 | 213.9 | 54.7 | 19.3 | R 381.4 | 7.3 | 178.5 | R 855.2 | R 2,830.6 | *530.6* | *386.4* |
| 1999 | 1,477.2 | 558.2 | 228.8 | 63.5 | 24.3 | R 369.3 | 3.5 | 193.7 | R 883.1 | R 2,918.4 | *567.0* | *378.1* |
| 2000 | 1,595.0 | 576.1 | 233.7 | 79.4 | 30.4 | R 375.1 | 4.8 | 165.1 | R 888.5 | R 3,059.6 | *584.8* | *384.9* |
| 2001 | 1,569.2 | 505.3 | 191.8 | 66.7 | 22.5 | R 382.6 | 3.5 | 152.7 | R 819.8 | R 2,894.3 | *513.8* | *391.8* |
| 2002 | 1,547.5 | 538.4 | 245.6 | 61.1 | 31.2 | R 376.5 | 2.6 | 153.5 | R 870.5 | R 2,956.4 | *543.3* | *386.9* |
| 2003 | 1,570.7 | 566.8 | 263.1 | 53.1 | 32.7 | R 389.0 | 2.8 | 156.6 | R 897.3 | R 3,034.8 | *572.9* | *400.1* |
| 2004 | 1,614.2 | 526.4 | 239.8 | 48.5 | 29.6 | R 390.9 | 5.1 | 175.4 | R 889.2 | R 3,029.8 | *531.4* | *402.1* |
| 2005 | 1,594.4 | 535.5 | 254.8 | 39.4 | 25.0 | R 389.1 | 5.4 | 168.8 | R 882.5 | R 3,012.4 | *540.7* | *401.8* |
| 2006 | 1,587.1 | 499.8 | 255.2 | 44.6 | 23.2 | R 388.9 | 6.9 | R 155.7 | R 874.5 | R 2,961.3 | *504.7* | *402.3* |
| 2007 | 1,572.1 | 544.3 | 251.4 | 42.2 | 26.8 | R 383.4 | 3.8 | R 144.3 | R 852.0 | R 2,968.4 | *548.1* | *399.8* |
| 2008 | 1,558.1 | 555.5 | R 244.0 | 35.5 | 27.6 | R 364.8 | 4.7 | R 131.1 | R 807.8 | R 2,921.3 | *558.6* | *386.9* |
| 2009 | 1,365.4 | 511.0 | 207.5 | 42.3 | 28.9 | 359.6 | 1.2 | 128.4 | 767.9 | 2,644.2 | *514.2* | *384.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Indiana (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 1.1 | 23.5 | NA | NA | 23.5 | 0.0 | NA | NA | 24.6 | -109.5 | 0.0 | 1,531.5 |
| 1965 | 0.0 | 1.0 | 22.1 | NA | NA | 22.1 | 0.0 | NA | NA | 23.1 | R -130.2 | 0.0 | 1,804.3 |
| 1970 | 0.0 | 5.2 | 23.3 | NA | NA | 23.3 | 0.0 | NA | NA | 28.5 | R -95.3 | 0.0 | R 2,226.4 |
| 1971 | 0.0 | 4.5 | 22.6 | NA | NA | 22.6 | 0.0 | NA | NA | 27.2 | R -72.9 | 0.0 | R 2,243.3 |
| 1972 | 0.0 | 4.0 | 26.8 | NA | NA | 26.8 | 0.0 | NA | NA | 30.8 | R -50.0 | 0.0 | R 2,444.1 |
| 1973 | 0.0 | 5.0 | 27.1 | NA | NA | 27.1 | 0.0 | NA | NA | 32.1 | R -58.8 | 0.0 | R 2,483.5 |
| 1974 | 0.0 | 4.6 | 27.4 | NA | NA | 27.4 | 0.0 | NA | NA | 32.0 | R -19.9 | 0.0 | R 2,441.5 |
| 1975 | 0.0 | 4.6 | 26.7 | NA | NA | 26.7 | 0.0 | NA | NA | 31.3 | R -2.0 | 0.0 | R 2,386.1 |
| 1976 | 0.0 | 5.0 | 31.0 | NA | NA | 31.0 | 0.0 | NA | NA | 36.0 | R 12.9 | 0.0 | R 2,414.5 |
| 1977 | 0.0 | 3.9 | 34.9 | NA | NA | 34.9 | 0.0 | NA | NA | 38.8 | R 31.7 | 0.0 | R 2,491.4 |
| 1978 | 0.0 | 3.7 | 42.1 | NA | NA | 42.1 | 0.0 | NA | NA | 45.8 | R 49.4 | 0.0 | R 2,541.8 |
| 1979 | 0.0 | 4.5 | 47.3 | NA | NA | 47.3 | 0.0 | NA | NA | 51.9 | R 12.2 | 0.0 | R 2,593.7 |
| 1980 | 0.0 | 4.9 | 51.2 | NA | NA | 51.2 | 0.0 | NA | NA | 56.1 | R -38.0 | 0.0 | R 2,408.7 |
| 1981 | 0.0 | 5.3 | 53.9 | 0.0 | 0.0 | 53.9 | 0.0 | NA | NA | 59.2 | R -21.8 | 0.0 | R 2,383.3 |
| 1982 | 0.0 | 4.5 | 53.6 | 1.0 | 0.0 | 54.6 | 0.0 | NA | NA | 59.1 | R 0.8 | 0.0 | R 2,195.2 |
| 1983 | 0.0 | 4.4 | 59.3 | 4.2 | 0.0 | R 63.5 | 0.0 | NA | 0.0 | R 67.9 | R -36.9 | 0.0 | R 2,212.4 |
| 1984 | 0.0 | 4.5 | 56.0 | 4.6 | 0.0 | R 60.6 | 0.0 | 0.0 | 0.0 | R 65.1 | R -170.0 | 0.0 | R 2,287.7 |
| 1985 | 0.0 | 4.5 | 56.7 | 4.5 | 4.0 | R 65.2 | 0.0 | 0.0 | 0.0 | R 69.7 | R -107.7 | 0.0 | R 2,317.9 |
| 1986 | 0.0 | 5.3 | 57.4 | 5.0 | 4.2 | R 66.7 | 0.0 | 0.0 | 0.0 | R 72.0 | R -94.0 | 0.0 | R 2,275.6 |
| 1987 | 0.0 | 5.3 | 61.1 | 5.8 | 4.6 | R 71.5 | 0.0 | 0.0 | 0.0 | R 76.8 | R -73.6 | 0.0 | R 2,393.5 |
| 1988 | 0.0 | 4.6 | 65.5 | 5.5 | 4.6 | R 75.6 | 0.0 | 0.0 | 0.0 | R 80.1 | R -94.1 | 0.0 | R 2,497.2 |
| 1989 | 0.0 | 4.7 | 54.4 | 6.1 | 4.3 | R 64.8 | 0.5 | (s) | 0.0 | R 70.0 | R -103.6 | 0.0 | R 2,529.9 |
| 1990 | 0.0 | 4.6 | 46.9 | 5.2 | 3.6 | R 55.7 | 0.5 | (s) | 0.0 | R 60.8 | R -194.4 | 0.0 | R 2,515.7 |
| 1991 | 0.0 | 4.2 | 46.8 | 6.2 | 4.2 | R 57.2 | 0.5 | (s) | 0.0 | R 61.9 | R -164.9 | 0.0 | R 2,505.2 |
| 1992 | 0.0 | 5.8 | 47.0 | 5.9 | 3.7 | R 56.6 | 0.6 | (s) | 0.0 | R 63.0 | R -153.1 | 0.0 | R 2,492.4 |
| 1993 | 0.0 | 4.6 | 38.1 | 6.2 | 4.0 | R 48.3 | 0.6 | (s) | 0.0 | R 53.6 | R -131.3 | 0.0 | R 2,593.7 |
| 1994 | 0.0 | 4.2 | 36.3 | 6.1 | 4.4 | R 46.9 | 0.7 | (s) | 0.0 | R 51.8 | R -153.6 | 0.0 | R 2,577.4 |
| 1995 | 0.0 | 4.8 | 37.2 | 7.7 | 4.2 | R 49.1 | 0.7 | (s) | 0.0 | R 54.7 | R -128.9 | 0.0 | R 2,644.8 |
| 1996 | 0.0 | 4.6 | 38.6 | 3.9 | 1.7 | R 44.3 | 0.8 | (s) | 0.0 | R 49.7 | R -122.2 | 0.0 | R 2,728.7 |
| 1997 | 0.0 | 5.7 | 32.2 | 5.3 | 3.0 | R 40.4 | 0.9 | (s) | 0.0 | R 47.0 | R -173.4 | 0.0 | R 2,714.6 |
| 1998 | 0.0 | 4.9 | 30.2 | 5.0 | 3.5 | R 38.7 | 0.9 | (s) | 0.0 | R 44.5 | R -168.3 | 0.0 | R 2,706.9 |
| 1999 | 0.0 | 4.2 | 30.5 | 8.8 | 3.2 | R 42.5 | 1.0 | (s) | 0.0 | R 47.7 | R -139.3 | 0.0 | R 2,826.9 |
| 2000 | 0.0 | 6.0 | 28.1 | 9.8 | 3.8 | R 41.8 | 1.0 | (s) | 0.0 | R 48.8 | R -202.9 | 0.0 | R 2,905.6 |
| 2001 | 0.0 | 5.9 | 32.7 | 9.2 | 4.2 | R 46.1 | 1.1 | (s) | 0.0 | R 53.1 | R -166.5 | 0.0 | R 2,781.0 |
| 2002 | 0.0 | 4.2 | 33.8 | 10.4 | 5.6 | R 49.8 | 1.2 | (s) | 0.0 | R 55.3 | R -124.1 | (s) | R 2,887.5 |
| 2003 | 0.0 | 4.3 | 33.8 | 11.1 | 6.5 | R 51.5 | 1.6 | (s) | 0.0 | R 57.5 | R -157.8 | 0.0 | R 2,934.5 |
| 2004 | 0.0 | 4.4 | 34.6 | 11.3 | 5.9 | R 51.8 | 1.8 | 0.1 | 0.0 | R 58.0 | R -152.3 | 0.0 | R 2,935.5 |
| 2005 | 0.0 | 4.4 | R 38.7 | 12.7 | 5.6 | 57.0 | 2.0 | 0.1 | 0.0 | 63.5 | R -160.9 | (s) | R 2,915.0 |
| 2006 | 0.0 | 4.9 | R 28.5 | 13.4 | 5.6 | R 47.6 | 2.3 | 0.1 | 0.0 | R 54.8 | R -177.4 | 0.1 | R 2,838.9 |
| 2007 | 0.0 | 4.4 | R 27.6 | 16.4 | 15.3 | R 59.3 | 2.7 | 0.1 | 0.0 | R 66.6 | R -143.5 | -0.1 | R 2,891.4 |
| 2008 | 0.0 | 4.3 | R 33.0 | 22.1 | 33.2 | R 88.2 | 3.2 | R 0.1 | 2.3 | R 98.2 | R -176.2 | -0.3 | R 2,843.1 |
| 2009 | 0.0 | 4.9 | 32.7 | 24.4 | 39.6 | 96.7 | 3.9 | 0.2 | 13.7 | 119.4 | -140.9 | -0.1 | 2,622.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 19,109 | 204 | 25,577 | 1,316 | 5,751 | 43,595 | 12,973 | 18,365 | 107,577 | (s) | – – | – – | – – | – – | 17,498 | – – | – – | – – |
| 1965 | 19,236 | 345 | 25,869 | 1,848 | 6,654 | 48,051 | 12,970 | 21,854 | 117,246 | 0 | – – | – – | – – | – – | 25,254 | – – | – – | – – |
| 1970 | 20,127 | 516 | 29,122 | 2,558 | 8,978 | 58,905 | 9,565 | 24,056 | 133,184 | 0 | – – | – – | – – | – – | 37,960 | – – | – – | – – |
| 1975 | 18,909 | 466 | 32,178 | 2,619 | 12,335 | 64,639 | 13,663 | 22,683 | 148,117 | 0 | – – | – – | – – | – – | 52,121 | – – | – – | – – |
| 1980 | 16,821 | 487 | 30,065 | 2,151 | 7,961 | 60,192 | 14,615 | 20,168 | 135,151 | 0 | – – | – – | – – | – – | 60,415 | – – | – – | – – |
| 1985 | 14,981 | 432 | 30,632 | 15,445 | 4,947 | 57,936 | 3,768 | 18,879 | 131,608 | 0 | – – | – – | – – | – – | 63,844 | – – | – – | – – |
| 1990 | 14,047 | 444 | 32,534 | 17,889 | 9,563 | 61,930 | 3,827 | 24,201 | 149,944 | 0 | – – | – – | – – | – – | 73,982 | – – | – – | – – |
| 1995 | 10,542 | 527 | 33,003 | 17,344 | 6,788 | 70,100 | 1,833 | 24,672 | 153,741 | 0 | – – | – – | – – | – – | 87,006 | – – | – – | – – |
| 2000 | 12,842 | 556 | 39,587 | 14,006 | 8,429 | 73,878 | 767 | 26,528 | 163,195 | 0 | – – | – – | – – | – – | 97,775 | – – | – – | – – |
| 2001 | 13,685 | 484 | 32,536 | 11,763 | 6,230 | 75,199 | 564 | 24,898 | 151,190 | 0 | – – | – – | – – | – – | 97,734 | – – | – – | – – |
| 2002 | 13,620 | 504 | 41,838 | 10,778 | 8,632 | 74,297 | 418 | 24,713 | 160,675 | 0 | – – | – – | – – | – – | 101,429 | – – | – – | – – |
| 2003 | 13,663 | 500 | 44,806 | 9,358 | 9,013 | 76,844 | 452 | 25,343 | 165,817 | 0 | – – | – – | – – | – – | 100,468 | – – | – – | – – |
| 2004 | 14,207 | 504 | 40,880 | 8,558 | 8,171 | 77,109 | 808 | 28,407 | 163,933 | 0 | – – | – – | – – | – – | 103,094 | – – | – – | – – |
| 2005 | 12,823 | 496 | 43,419 | 6,950 | 6,899 | 77,008 | 858 | 27,671 | 162,804 | 0 | – – | – – | – – | – – | 106,549 | – – | – – | – – |
| 2006 | 12,355 | 469 | 43,540 | 7,865 | 6,425 | 77,103 | 1,101 | 25,584 | 161,618 | 0 | – – | – – | – – | – – | 105,664 | – – | – – | – – |
| 2007 | 11,965 | 498 | 42,870 | 7,450 | 7,474 | 76,610 | 605 | 23,744 | 158,752 | 0 | – – | – – | – – | – – | 109,420 | – – | – – | – – |
| 2008 | 11,132 | 517 | 41,580 | 6,263 | 7,670 | 74,157 | 752 | 21,625 | 152,046 | 0 | – – | – – | – – | – – | 106,981 | – – | – – | – – |
| 2009 | 9,320 | 470 | 35,375 | 7,452 | 8,122 | 73,584 | 184 | 21,178 | 145,895 | 0 | – – | – – | – – | – – | 99,312 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 489.7 | 210.7 | 149.0 | 7.1 | 23.1 | 229.0 | 81.6 | 110.6 | 600.3 | (s) | 23.5 | NA | NA | NA | 59.7 | 1,383.9 | 147.6 | 1,531.5 |
| 1965 | 493.6 | 344.2 | 150.7 | 10.2 | 26.7 | 252.4 | 81.5 | 130.9 | 652.4 | 0.0 | 22.1 | NA | NA | NA | 86.2 | 1,598.6 | 205.7 | 1,804.3 |
| 1970 | 507.9 | 519.0 | 169.6 | 14.2 | 33.9 | 309.4 | 60.1 | 146.1 | 733.4 | 0.0 | 23.3 | NA | NA | NA | 129.5 | 1,913.1 | 313.3 | 2,226.4 |
| 1975 | 481.6 | 461.6 | 187.4 | 14.6 | 45.8 | 339.6 | 85.9 | 138.5 | 811.8 | 0.0 | 26.7 | NA | NA | NA | 177.8 | 1,959.5 | 426.6 | 2,386.1 |
| 1980 | 428.7 | 482.0 | 175.1 | 12.0 | 29.2 | 316.2 | 91.9 | 122.6 | 747.0 | 0.0 | 51.2 | NA | NA | NA | 206.1 | 1,913.5 | 495.2 | 2,408.7 |
| 1985 | 376.7 | 435.3 | 178.4 | 87.4 | 17.8 | 304.3 | 23.7 | 114.9 | 726.6 | 0.0 | 56.7 | 4.0 | NA | NA | 217.8 | 1,819.0 | 498.9 | 2,317.9 |
| 1990 | 355.1 | 452.4 | 189.5 | 101.3 | 34.7 | 325.3 | 24.1 | 148.5 | 823.4 | 0.0 | 46.9 | 3.6 | 0.5 | (s) | 252.4 | 1,936.5 | 579.2 | 2,515.7 |
| 1995 | 264.9 | 533.1 | 192.2 | 98.3 | 24.6 | 365.6 | 11.5 | 149.1 | 841.4 | 0.0 | 36.7 | 4.2 | 0.7 | (s) | 296.9 | 1,974.7 | 670.1 | 2,644.8 |
| 2000 | 335.8 | 570.1 | 230.6 | 79.4 | 30.4 | 384.9 | 4.8 | 158.0 | 888.1 | 0.0 | 27.0 | 3.8 | 1.0 | (s) | 333.6 | 2,151.0 | 754.5 | 2,905.6 |
| 2001 | 359.6 | 495.6 | 189.5 | 66.7 | 22.5 | 391.8 | 3.5 | 150.6 | 824.6 | 0.0 | 31.6 | 4.2 | 1.1 | (s) | 333.5 | 2,042.2 | 738.8 | 2,781.0 |
| 2002 | 357.0 | 507.3 | 243.7 | 61.1 | 31.2 | 386.9 | 2.6 | 149.7 | 875.3 | 0.0 | 32.7 | 5.6 | 1.2 | (s) | 346.1 | 2,120.6 | 766.9 | 2,887.5 |
| 2003 | 355.3 | 545.6 | 261.0 | 53.1 | 32.7 | 400.1 | 2.8 | 153.8 | 903.6 | 0.0 | 32.8 | 6.5 | 1.6 | (s) | 342.8 | 2,182.5 | 752.0 | 2,934.5 |
| 2004 | 369.7 | 508.1 | 238.1 | 48.5 | 29.6 | 402.1 | 5.1 | 172.4 | 895.8 | 0.0 | 33.6 | 5.9 | 1.8 | 0.1 | 351.8 | 2,161.9 | 773.7 | 2,935.5 |
| 2005 | 322.7 | 504.7 | 252.9 | 39.4 | 25.0 | 401.8 | 5.4 | 167.7 | 892.2 | 0.0 | 38.5 | 5.6 | 2.0 | 0.1 | 363.5 | 2,124.5 | 790.5 | 2,915.0 |
| 2006 | 310.1 | 477.1 | 253.6 | 44.6 | 23.2 | 402.3 | 6.9 | 155.7 | 886.4 | 0.0 | 26.4 | 5.6 | 2.3 | 0.1 | 360.5 | 2,063.8 | 775.1 | 2,838.9 |
| 2007 | 300.9 | 509.7 | 249.7 | 42.2 | 26.8 | 399.8 | 3.8 | 144.3 | 866.7 | 0.0 | 25.3 | 15.3 | 2.7 | 0.1 | 373.3 | 2,090.6 | 800.8 | 2,891.4 |
| 2008 | 281.5 | 523.8 | 242.2 | 35.5 | 27.6 | 386.9 | 4.7 | 131.1 | 828.1 | 0.0 | 29.8 | 33.2 | 3.2 | 0.1 | 365.0 | 2,061.9 | 781.3 | 2,843.1 |
| 2009 | 232.5 | 477.2 | 206.1 | 42.3 | 28.9 | 384.0 | 1.2 | 128.3 | 790.6 | 0.0 | 29.7 | 39.6 | 3.9 | 0.2 | 338.9 | 1,909.6 | 713.1 | 2,622.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 1,251 | 76 | 8,536 | 3,370 | 3,477 | 15,383 | 770 | – – | – – | 6,371 | – – | – – | – – |
| 1965 | 618 | 114 | 8,146 | 2,498 | 4,096 | 14,740 | 580 | – – | – – | 8,651 | – – | – – | – – |
| 1970 | 393 | 159 | 8,027 | 1,837 | 6,475 | 16,339 | 567 | – – | – – | 13,488 | – – | – – | – – |
| 1975 | 270 | 163 | 8,647 | 717 | 6,838 | 16,202 | 562 | – – | – – | 16,375 | – – | – – | – – |
| 1980 | 47 | 164 | 5,398 | 492 | 3,438 | 9,328 | 1,234 | – – | – – | 19,262 | – – | – – | – – |
| 1985 | 115 | 146 | 2,656 | 466 | 2,401 | 5,522 | 1,284 | – – | – – | 19,803 | – – | – – | – – |
| 1990 | 110 | 140 | 1,997 | 278 | 3,585 | 5,860 | 802 | – – | – – | 22,111 | – – | – – | – – |
| 1995 | 37 | 161 | 1,476 | 215 | 3,866 | 5,557 | 435 | – – | – – | 26,560 | – – | – – | – – |
| 1996 | 43 | 180 | 1,447 | 288 | 5,189 | 6,924 | 452 | – – | – – | 26,860 | – – | – – | – – |
| 1997 | 44 | 169 | 1,264 | 303 | 5,132 | 6,699 | 301 | – – | – – | 26,550 | – – | – – | – – |
| 1998 | 41 | 140 | 1,054 | 300 | 3,779 | 5,134 | 268 | – – | – – | 27,334 | – – | – – | – – |
| 1999 | 41 | 152 | 1,047 | 1,328 | 4,581 | 6,957 | 282 | – – | – – | 28,806 | – – | – – | – – |
| 2000 | 30 | 161 | 976 | 359 | 5,176 | 6,511 | 303 | – – | – – | 28,649 | – – | – – | – – |
| 2001 | 28 | 147 | 779 | 358 | 3,801 | 4,938 | 405 | – – | – – | 29,420 | – – | – – | – – |
| 2002 | 40 | 157 | 843 | 284 | 5,272 | 6,398 | 411 | – – | – – | 31,568 | – – | – – | – – |
| 2003 | 46 | 157 | 1,140 | 206 | 5,582 | 6,929 | 432 | – – | – – | 30,726 | – – | – – | – – |
| 2004 | 43 | 149 | 1,016 | 256 | 4,546 | 5,818 | 443 | – – | – – | 31,192 | – – | – – | – – |
| 2005 | 21 | 149 | 898 | 262 | 3,909 | 5,070 | R 637 | – – | – – | 33,629 | – – | – – | – – |
| 2006 | 5 | 128 | 613 | 174 | 3,431 | 4,218 | R 580 | – – | – – | 32,286 | – – | – – | – – |
| 2007 | 18 | 143 | 477 | 129 | 4,323 | 4,929 | R 640 | – – | – – | 34,646 | – – | – – | – – |
| 2008 | 34 | 153 | R 530 | 78 | 5,248 | R 5,856 | R 669 | – – | – – | 33,980 | – – | – – | – – |
| 2009 | 32 | 140 | 312 | 129 | 5,003 | 5,444 | 640 | – – | – – | 32,548 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 30.1 | 78.7 | 49.7 | 19.1 | 13.9 | 82.8 | 15.4 | NA | NA | 21.7 | 228.7 | 53.8 | 282.4 |
| 1965 | 14.8 | 114.2 | 47.5 | 14.2 | 16.4 | 78.0 | 11.6 | NA | NA | 29.5 | 248.2 | 70.5 | 318.7 |
| 1970 | 9.1 | 159.7 | 46.8 | 10.4 | 24.5 | 81.6 | 11.3 | NA | NA | 46.0 | 307.7 | R 111.3 | 419.1 |
| 1975 | 6.0 | 161.2 | 50.4 | 4.1 | 25.4 | 79.8 | 11.2 | NA | NA | 55.9 | 314.1 | R 134.0 | R 448.1 |
| 1980 | 1.0 | 161.9 | 31.4 | 2.8 | 12.6 | 46.9 | 24.7 | NA | NA | 65.7 | 299.6 | R 157.9 | R 457.5 |
| 1985 | 2.6 | 147.4 | 15.5 | 2.6 | 8.7 | 26.8 | 25.7 | NA | NA | 67.6 | 269.1 | R 154.8 | R 423.8 |
| 1990 | 2.5 | 143.1 | 11.6 | 1.6 | 13.0 | 26.2 | 16.0 | 0.5 | (s) | 75.4 | 262.7 | R 173.1 | R 435.9 |
| 1995 | 0.8 | 163.0 | 8.6 | 1.2 | 14.0 | 23.8 | 8.7 | 0.6 | (s) | 90.6 | 286.6 | R 204.6 | R 491.2 |
| 1996 | 1.0 | 181.9 | 8.4 | 1.6 | 18.7 | 28.8 | 9.0 | 0.7 | (s) | 91.6 | 312.0 | R 207.1 | R 519.1 |
| 1997 | 1.0 | 171.0 | 7.4 | 1.7 | 18.6 | 27.6 | 6.0 | 0.7 | (s) | 90.6 | 295.8 | R 203.9 | R 499.7 |
| 1998 | 0.9 | 142.5 | 6.1 | 1.7 | 13.7 | 21.5 | 5.4 | 0.7 | (s) | 93.3 | 263.4 | R 210.2 | R 473.6 |
| 1999 | 1.0 | 154.3 | 6.1 | 7.5 | 16.6 | 30.2 | 5.6 | 0.8 | (s) | 98.3 | 287.8 | R 223.4 | R 511.3 |
| 2000 | 0.7 | 165.3 | 5.7 | 2.0 | 18.7 | 26.4 | 6.1 | 0.8 | (s) | 97.7 | 294.6 | R 221.1 | R 515.6 |
| 2001 | 0.6 | 150.9 | 4.5 | 2.0 | 13.7 | 20.3 | 8.1 | 0.9 | (s) | 100.4 | 278.7 | R 222.4 | R 501.1 |
| 2002 | 0.9 | 157.9 | 4.9 | 1.6 | 19.0 | 25.6 | 8.2 | 1.0 | (s) | 107.7 | 299.8 | R 238.7 | R 538.5 |
| 2003 | 1.0 | 171.6 | 6.6 | 1.2 | 20.3 | 28.1 | 8.6 | 1.3 | (s) | 104.8 | 313.7 | R 230.0 | R 543.6 |
| 2004 | 1.0 | 149.9 | 5.9 | 1.5 | 16.4 | 23.8 | 8.9 | 1.4 | 0.1 | 106.4 | R 289.9 | R 234.1 | R 524.0 |
| 2005 | 0.5 | 151.3 | 5.2 | 1.5 | 14.2 | 20.9 | R 12.7 | 1.6 | 0.1 | 114.7 | R 300.3 | R 249.5 | R 549.9 |
| 2006 | 0.1 | 129.8 | 3.6 | 1.0 | 12.4 | 16.9 | R 11.6 | 1.8 | 0.1 | 110.2 | R 269.3 | R 236.8 | R 506.1 |
| 2007 | 0.4 | 145.9 | 2.8 | 0.7 | 15.5 | 19.0 | R 12.8 | 2.2 | 0.1 | 118.2 | R 297.7 | R 253.6 | R 551.2 |
| 2008 | 0.8 | 154.7 | 3.1 | 0.4 | 18.9 | 22.4 | R 13.4 | 2.6 | R 0.1 | 115.9 | R 309.1 | R 248.2 | R 557.3 |
| 2009 | 0.7 | 141.9 | 1.8 | 0.7 | 17.8 | 20.3 | 12.8 | 3.3 | 0.2 | 111.1 | 289.4 | 233.7 | 523.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 869 | 20 | 2,968 | 328 | 510 | 168 | 1,394 | 5,368 | NA | – – | – – | 2,900 | – – | – – | – – |
| 1965 | 466 | 42 | 2,832 | 243 | 601 | 171 | 1,520 | 5,368 | NA | – – | – – | 4,243 | – – | – – | – – |
| 1970 | 309 | 78 | 2,791 | 179 | 950 | 251 | 844 | 5,015 | NA | – – | – – | 6,520 | – – | – – | – – |
| 1975 | 630 | 71 | 3,007 | 70 | 1,004 | 120 | 1,645 | 5,845 | NA | – – | – – | 9,071 | – – | – – | – – |
| 1980 | 175 | 70 | 1,985 | 31 | 505 | 223 | 2,431 | 5,175 | NA | – – | – – | 10,423 | – – | – – | – – |
| 1985 | 408 | 70 | 2,738 | 133 | 352 | 352 | 388 | 3,964 | NA | – – | – – | 12,257 | – – | – – | – – |
| 1990 | 441 | 67 | 1,244 | 35 | 526 | 561 | 62 | 2,428 | 0 | – – | – – | 16,116 | – – | – – | – – |
| 1995 | 249 | 83 | 1,104 | 70 | 567 | 175 | 32 | 1,948 | 0 | – – | – – | 18,654 | – – | – – | – – |
| 1996 | 314 | 87 | 965 | 69 | 762 | 159 | 14 | 1,968 | 0 | – – | – – | 18,822 | – – | – – | – – |
| 1997 | 352 | 82 | 1,095 | 87 | 753 | 171 | 9 | 2,115 | 0 | – – | – – | 19,030 | – – | – – | – – |
| 1998 | 330 | 73 | 1,422 | 51 | 555 | 167 | 121 | 2,317 | 0 | – – | – – | 19,861 | – – | – – | – – |
| 1999 | 302 | 74 | 1,289 | 41 | 672 | 183 | 2 | 2,187 | 0 | – – | – – | 20,685 | – – | – – | – – |
| 2000 | 245 | 90 | 1,344 | 48 | 760 | 87 | 2 | 2,240 | 0 | – – | – – | 21,070 | – – | – – | – – |
| 2001 | 223 | 78 | 1,576 | 44 | 558 | 254 | 1 | 2,432 | 0 | – – | – – | 26,219 | – – | – – | – – |
| 2002 | 291 | 82 | 1,379 | 31 | 774 | 231 | 1 | 2,415 | 0 | – – | – – | 22,363 | – – | – – | – – |
| 2003 | 311 | 87 | 1,682 | 33 | 768 | 247 | 63 | 2,793 | 0 | – – | – – | 22,441 | – – | – – | – – |
| 2004 | 386 | 85 | 1,691 | 44 | 771 | 207 | 114 | 2,826 | 0 | – – | – – | 22,957 | – – | – – | – – |
| 2005 | 236 | 76 | 1,274 | 47 | 579 | 239 | 112 | 2,251 | 0 | – – | – – | 23,959 | – – | – – | – – |
| 2006 | 52 | 71 | 1,341 | 40 | 455 | 214 | 0 | 2,049 | 0 | – – | – – | 23,830 | – – | – – | – – |
| 2007 | 158 | 76 | 996 | 28 | 486 | 276 | 4 | 1,789 | 0 | – – | – – | 24,768 | – – | – – | – – |
| 2008 | 307 | 85 | R 1,208 | 14 | 963 | 382 | 2 | R 2,567 | 0 | – – | – – | 24,570 | – – | – – | – – |
| 2009 | 290 | 79 | 989 | 17 | 890 | 715 | 9 | 2,619 | 0 | – – | – – | 23,689 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 20.9 | 20.7 | 17.3 | 1.9 | 2.0 | 0.9 | 8.8 | 30.8 | NA | 0.3 | NA | 9.9 | 82.7 | 24.5 | 107.2 |
| 1965 | 11.2 | 42.2 | 16.5 | 1.4 | 2.4 | 0.9 | 9.6 | 30.7 | NA | 0.2 | NA | 14.5 | 98.8 | 34.6 | 133.4 |
| 1970 | 7.1 | 78.0 | 16.3 | 1.0 | 3.6 | 1.3 | 5.3 | 27.5 | NA | 0.2 | NA | 22.2 | 135.1 | 53.8 | R 188.9 |
| 1975 | 13.9 | 69.8 | 17.5 | 0.4 | 3.7 | 0.6 | 10.3 | 32.6 | NA | 0.2 | NA | 31.0 | 147.5 | R 74.2 | R 221.7 |
| 1980 | 3.8 | 69.3 | 11.6 | 0.2 | 1.9 | 1.2 | 15.3 | 30.1 | NA | 0.6 | NA | 35.6 | 139.1 | R 85.4 | R 224.5 |
| 1985 | 9.1 | 70.2 | 15.9 | 0.8 | 1.3 | 1.8 | 2.4 | 22.3 | NA | 0.6 | NA | 41.8 | 143.6 | R 95.8 | R 239.4 |
| 1990 | 9.9 | 68.4 | 7.2 | 0.2 | 1.9 | 2.9 | 0.4 | 12.7 | 0.0 | 8.9 | 0.0 | 55.0 | 154.5 | R 126.2 | R 280.7 |
| 1995 | 5.6 | 83.7 | 6.4 | 0.4 | 2.1 | 0.9 | 0.2 | 10.0 | 0.0 | 8.5 | 0.1 | 63.6 | 171.0 | R 143.7 | R 314.7 |
| 1996 | 7.0 | 88.4 | 5.6 | 0.4 | 2.8 | 0.8 | 0.1 | 9.7 | 0.0 | 8.6 | 0.1 | 64.2 | 177.6 | R 145.1 | R 322.7 |
| 1997 | 7.8 | 82.6 | 6.4 | 0.5 | 2.7 | 0.9 | 0.1 | 10.5 | 0.0 | 8.5 | 0.2 | 64.9 | 174.0 | R 146.2 | R 320.2 |
| 1998 | 7.5 | 74.4 | 8.3 | 0.3 | 2.0 | 0.9 | 0.8 | 12.2 | 0.0 | 8.2 | 0.2 | 67.8 | 169.8 | R 152.7 | R 322.5 |
| 1999 | 7.5 | 75.0 | 7.5 | 0.2 | 2.4 | 1.0 | (s) | 11.1 | 0.0 | 7.9 | 0.2 | 70.6 | 171.2 | R 160.4 | R 331.6 |
| 2000 | 5.8 | 92.7 | 7.8 | 0.3 | 2.7 | 0.5 | (s) | 11.3 | 0.0 | 7.9 | 0.2 | 71.9 | 188.3 | R 162.6 | R 350.9 |
| 2001 | 5.0 | 80.4 | 9.2 | 0.2 | 2.0 | 1.3 | (s) | 12.8 | 0.0 | 5.5 | 0.2 | 89.5 | 192.0 | R 198.2 | R 390.2 |
| 2002 | 6.5 | 83.0 | 8.0 | 0.2 | 2.8 | 1.2 | (s) | 12.2 | 0.0 | 5.5 | 0.3 | 76.3 | 182.9 | R 169.1 | R 352.0 |
| 2003 | 7.0 | 95.1 | 9.8 | 0.2 | 2.8 | 1.3 | 0.4 | 14.5 | 0.0 | 5.6 | 0.3 | 76.6 | 198.0 | R 168.0 | R 366.0 |
| 2004 | 8.6 | 85.6 | 9.8 | 0.2 | 2.8 | 1.1 | 0.7 | 14.7 | 0.0 | 5.5 | 0.4 | 78.3 | 192.4 | R 172.3 | R 364.7 |
| 2005 | 5.3 | 77.6 | 7.4 | 0.3 | 2.1 | 1.2 | 0.7 | 11.7 | 0.0 | 6.0 | 0.5 | 81.7 | 182.1 | R 177.8 | R 359.9 |
| 2006 | 1.2 | 72.3 | 7.8 | 0.2 | 1.6 | 1.1 | 0.0 | 10.8 | 0.0 | 5.9 | 0.5 | 81.3 | 171.2 | R 174.8 | R 346.0 |
| 2007 | 3.5 | 77.3 | 5.8 | 0.2 | 1.7 | 1.4 | (s) | 9.2 | 0.0 | R 2.8 | 0.5 | 84.5 | R 177.3 | R 181.3 | R 358.5 |
| 2008 | 7.1 | 86.0 | 7.0 | 0.1 | 3.5 | 2.0 | (s) | R 12.6 | 0.0 | 6.8 | 0.6 | 83.8 | R 196.3 | R 179.4 | R 375.8 |
| 2009 | 6.7 | 80.0 | 5.8 | 0.1 | 3.2 | 3.7 | 0.1 | 12.8 | 0.0 | 6.7 | 0.6 | 80.8 | 187.1 | 170.1 | 357.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 16,702 | 102 | 9,976 | 1,716 | 2,813 | 11,229 | 13,522 | 39,256 | (s) | – – | – – | – – | 8,226 | – – | – – | – – |
| 1965 | 18,093 | 180 | 9,766 | 1,904 | 2,686 | 10,866 | 17,388 | 42,611 | 0 | – – | – – | – – | 12,360 | – – | – – | – – |
| 1970 | 19,394 | 268 | 10,180 | 1,455 | 2,238 | 8,391 | 21,065 | 43,329 | 0 | – – | – – | – – | 17,952 | – – | – – | – – |
| 1975 | 18,006 | 223 | 9,324 | 4,369 | 1,263 | 11,688 | 20,917 | 47,560 | 0 | – – | – – | – – | 26,675 | – – | – – | – – |
| 1980 | 16,599 | 245 | 5,053 | 3,930 | 752 | 11,984 | 18,693 | 40,412 | 0 | – – | – – | – – | 30,730 | – – | – – | – – |
| 1985 | 14,457 | 211 | 4,675 | 2,046 | 901 | 3,348 | 17,257 | 28,227 | 0 | – – | – – | – – | 31,784 | – – | – – | – – |
| 1990 | 13,496 | 228 | 5,293 | 5,300 | 625 | 3,570 | 22,877 | 37,665 | 0 | – – | – – | – – | 35,743 | – – | – – | – – |
| 1995 | 10,255 | 275 | 4,766 | 2,250 | 849 | 1,567 | 23,567 | 32,999 | 0 | – – | – – | – – | 41,777 | – – | – – | – – |
| 1996 | 10,810 | 289 | 4,671 | 2,485 | 808 | 1,022 | 28,216 | 37,201 | 0 | – – | – – | – – | 43,203 | – – | – – | – – |
| 1997 | 10,811 | 290 | 5,028 | 1,427 | 847 | 1,075 | 28,844 | 37,221 | 0 | – – | – – | – – | 43,550 | – – | – – | – – |
| 1998 | 10,843 | 287 | 5,881 | 962 | 650 | 738 | 27,367 | 35,598 | 0 | – – | – – | – – | 44,848 | – – | – – | – – |
| 1999 | 10,703 | 312 | 5,668 | 1,442 | 655 | 314 | 29,092 | 37,171 | 0 | – – | – – | – – | 47,230 | – – | – – | – – |
| 2000 | 12,567 | 299 | 5,465 | 2,433 | 591 | 464 | 25,286 | 34,239 | 0 | – – | – – | – – | 48,040 | – – | – – | – – |
| 2001 | 13,434 | 251 | 6,234 | 1,798 | 1,086 | 392 | 23,768 | 33,279 | 0 | – – | – – | – – | 42,080 | – – | – – | – – |
| 2002 | 13,290 | 259 | 6,001 | 2,451 | 1,160 | 171 | 23,623 | 33,406 | 0 | – – | – – | – – | 47,481 | – – | – – | – – |
| 2003 | 13,306 | 249 | 6,348 | 2,500 | 1,181 | 312 | 24,394 | 34,735 | 0 | – – | – – | – – | 47,284 | – – | – – | – – |
| 2004 | 13,777 | 263 | 6,281 | 2,677 | 1,530 | 532 | 27,392 | 38,412 | 0 | – – | – – | – – | 48,928 | – – | – – | – – |
| 2005 | 12,567 | 264 | 6,965 | 2,240 | 1,394 | 554 | 26,590 | 37,744 | 0 | – – | – – | – – | 48,944 | – – | – – | – – |
| 2006 | 12,298 | 264 | 5,878 | 2,394 | 1,465 | 923 | R 24,661 | R 35,321 | 0 | – – | – – | – – | 49,530 | – – | – – | – – |
| 2007 | 11,789 | 273 | 6,192 | 2,526 | 2,533 | 314 | R 22,859 | R 34,425 | 0 | – – | – – | – – | 49,988 | – – | – – | – – |
| 2008 | 10,791 | 272 | R 5,691 | R 1,213 | 2,364 | 375 | R 20,872 | R 30,515 | 0 | – – | – – | – – | 48,411 | – – | – – | – – |
| 2009 | 8,998 | 245 | 4,849 | 2,041 | 2,296 | 72 | 20,428 | 29,685 | 0 | – – | – – | – – | 43,055 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 431.8 | 106.1 | 58.1 | 6.9 | 14.8 | 70.6 | 83.1 | 233.5 | (s) | 7.8 | NA | NA | 28.1 | 807.2 | 69.4 | 876.6 |
| 1965 | 466.3 | 179.8 | 56.9 | 7.6 | 14.1 | 68.3 | 106.1 | 253.0 | 0.0 | 10.3 | NA | NA | 42.2 | 951.5 | 100.7 | 1,052.2 |
| 1970 | 490.9 | 270.1 | 59.3 | 5.5 | 11.8 | 52.8 | 129.1 | 258.4 | 0.0 | 11.7 | NA | NA | 61.3 | 1,092.4 | R 148.2 | R 1,240.6 |
| 1975 | 461.6 | 221.1 | 54.3 | 16.2 | 6.6 | 73.5 | 128.3 | 278.9 | 0.0 | 15.3 | NA | NA | 91.0 | 1,067.9 | R 218.3 | R 1,286.2 |
| 1980 | 423.9 | 242.0 | 29.4 | 14.4 | 3.9 | 75.3 | 114.1 | 237.3 | 0.0 | 25.9 | NA | NA | 104.9 | 1,033.2 | R 251.9 | R 1,285.1 |
| 1985 | 365.1 | 212.8 | 27.2 | 7.4 | 4.7 | 21.1 | 105.7 | 166.1 | 0.0 | 30.4 | 4.0 | NA | 108.4 | 885.6 | R 248.4 | R 1,134.0 |
| 1990 | 342.8 | 232.3 | 30.8 | 19.2 | 3.3 | 22.4 | 140.9 | 216.7 | 0.0 | 21.9 | 3.6 | 0.0 | 122.0 | R 937.7 | R 279.8 | R 1,217.5 |
| 1995 | 258.5 | 278.7 | 27.8 | 8.2 | 4.4 | 9.9 | 142.7 | 192.9 | 0.0 | 19.4 | 4.2 | 0.0 | 142.5 | 894.5 | R 321.8 | R 1,216.2 |
| 1996 | 269.3 | 292.1 | 27.2 | 9.0 | 4.2 | 6.4 | 170.0 | 216.8 | 0.0 | 20.1 | 1.7 | 0.0 | 147.4 | 945.8 | R 333.1 | R 1,278.9 |
| 1997 | 271.3 | 293.3 | 29.3 | 5.2 | 4.4 | 6.8 | 174.1 | 219.7 | 0.0 | 16.6 | 3.0 | 0.0 | 148.6 | 950.6 | R 334.5 | R 1,285.1 |
| 1998 | 279.0 | 292.2 | 34.3 | 3.5 | 3.4 | 4.6 | 164.2 | 209.9 | 0.0 | 15.6 | 3.5 | 0.0 | 153.0 | 951.5 | R 344.9 | R 1,296.3 |
| 1999 | 276.3 | 317.3 | 33.0 | 5.2 | 3.4 | 2.0 | 174.4 | 218.0 | 0.0 | 15.9 | 3.2 | 0.0 | 161.1 | 987.0 | R 366.3 | R 1,353.3 |
| 2000 | 329.4 | 306.1 | 31.8 | 8.8 | 3.1 | 2.9 | 150.7 | 197.3 | 0.0 | 13.1 | 3.8 | 0.0 | 163.9 | 1,009.0 | R 370.7 | R 1,379.7 |
| 2001 | 354.1 | 256.9 | 36.3 | 6.5 | 5.7 | 2.5 | 144.0 | 194.9 | 0.0 | 18.1 | 4.2 | 0.0 | 143.6 | 967.3 | R 318.1 | R 1,285.4 |
| 2002 | 349.6 | 260.9 | 35.0 | 8.9 | 6.0 | 1.1 | 143.4 | 194.3 | 0.0 | 19.0 | 5.6 | 0.0 | 162.0 | R 989.0 | R 359.0 | R 1,348.0 |
| 2003 | 347.3 | 271.2 | 37.0 | 9.1 | 6.1 | 2.0 | 148.3 | 202.4 | 0.0 | 18.6 | 6.5 | 0.0 | 161.3 | 1,004.5 | R 353.9 | R 1,358.4 |
| 2004 | 360.1 | 265.2 | 36.6 | 9.7 | 8.0 | 3.3 | 166.4 | 224.0 | 0.0 | 19.2 | 5.9 | 0.0 | 166.9 | R 1,038.8 | R 367.2 | R 1,406.0 |
| 2005 | 317.0 | 268.9 | 40.6 | 8.1 | 7.3 | 3.5 | 161.4 | 220.8 | 0.0 | 19.7 | 5.6 | 0.0 | 167.0 | 996.4 | R 363.1 | R 1,359.5 |
| 2006 | 308.8 | 268.4 | 34.2 | 8.6 | 7.6 | 5.8 | R 150.3 | R 206.7 | 0.0 | R 8.8 | 5.6 | 0.0 | 169.0 | R 964.7 | R 363.3 | R 1,328.0 |
| 2007 | 297.0 | 279.1 | 36.1 | 9.1 | 13.2 | 2.0 | R 139.1 | R 199.5 | 0.0 | R 9.8 | 15.3 | 0.0 | 170.6 | R 969.2 | R 365.8 | R 1,335.1 |
| 2008 | 273.6 | 275.9 | R 33.2 | 4.4 | 12.3 | 2.4 | R 126.7 | R 178.9 | 0.0 | R 9.6 | 33.2 | 0.0 | 165.2 | R 934.8 | R 353.5 | R 1,288.4 |
| 2009 | 225.0 | 248.9 | 28.2 | 7.3 | 12.0 | 0.5 | 123.9 | 171.9 | 0.0 | 10.2 | 39.6 | 0.0 | 146.9 | 840.9 | 309.1 | 1,150.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 287 | 5 | 453 | 4,097 | 1,316 | 47 | 692 | 40,615 | 350 | 47,570 | 1 | – – | – – | – – |
| 1965 | 59 | 8 | 1,110 | 5,124 | 1,848 | 52 | 615 | 45,194 | 583 | 54,526 | 0 | – – | – – | – – |
| 1970 | 31 | 11 | 367 | 8,123 | 2,558 | 97 | 610 | 56,417 | 330 | 68,501 | 0 | – – | – – | – – |
| 1975 | 3 | 10 | 217 | 11,200 | 2,619 | 125 | 763 | 63,256 | 331 | 78,510 | 0 | – – | – – | – – |
| 1980 | 0 | 9 | 260 | 17,629 | 2,151 | 88 | 692 | 59,217 | 200 | 80,236 | 0 | – – | – – | – – |
| 1985 | 0 | 5 | 393 | 20,564 | 15,445 | 148 | 630 | 56,684 | 31 | 93,895 | 0 | – – | – – | – – |
| 1990 | 0 | 8 | 302 | 24,000 | 17,889 | 153 | 709 | 60,744 | 195 | 103,991 | 12 | – – | – – | – – |
| 1995 | 0 | 8 | 144 | 25,658 | 17,344 | 104 | 676 | 69,076 | 235 | 113,238 | 15 | – – | – – | – – |
| 1996 | 0 | 13 | 171 | 27,277 | 12,576 | 120 | 656 | 68,611 | 293 | 109,703 | 15 | – – | – – | – – |
| 1997 | 0 | 11 | 136 | 29,130 | 10,996 | 66 | 693 | 68,809 | 395 | 110,225 | 16 | – – | – – | – – |
| 1998 | 0 | 8 | 113 | 27,923 | 9,656 | 50 | 726 | 73,315 | 303 | 112,085 | 15 | – – | – – | – – |
| 1999 | 0 | 8 | 119 | 30,715 | 11,198 | 35 | 733 | 71,714 | 246 | 114,760 | 15 | – – | – – | – – |
| 2000 | 0 | 6 | 113 | 31,803 | 14,006 | 60 | 722 | 73,199 | 302 | 120,205 | 16 | – – | – – | – – |
| 2001 | 0 | 7 | 67 | 23,947 | 11,763 | 73 | 662 | 73,859 | 171 | 110,541 | 16 | – – | – – | – – |
| 2002 | 0 | 6 | 122 | 33,616 | 10,778 | 136 | 654 | 72,906 | 246 | 118,456 | 16 | – – | – – | – – |
| 2003 | 0 | 7 | 106 | 35,637 | 9,358 | 162 | 604 | 75,417 | 77 | 121,360 | 16 | – – | – – | – – |
| 2004 | 0 | 7 | 103 | 31,892 | 8,558 | 177 | 612 | 75,373 | 161 | 116,877 | 17 | – – | – – | – – |
| 2005 | 0 | 7 | 162 | 34,281 | 6,950 | 171 | 609 | 75,375 | 192 | 117,740 | 17 | – – | – – | – – |
| 2006 | 0 | 6 | 116 | 35,709 | 7,865 | 145 | 593 | 75,424 | 177 | 120,030 | 18 | – – | – – | – – |
| 2007 | 0 | 7 | 115 | 35,204 | 7,450 | 139 | 613 | 73,801 | 287 | 117,609 | 19 | – – | – – | – – |
| 2008 | 0 | 7 | 92 | R 34,150 | 6,263 | R 247 | 569 | 71,411 | 375 | R 113,108 | 20 | – – | – – | – – |
| 2009 | 0 | 6 | 92 | 29,226 | 7,452 | 188 | 512 | 70,574 | 103 | 108,147 | 20 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 6.9 | 5.2 | 2.3 | 23.9 | 7.1 | 0.2 | 4.2 | 213.3 | 2.2 | 253.2 | (s) | 265.3 | (s) | 265.3 |
| 1965 | 1.4 | 8.0 | 5.6 | 29.8 | 10.2 | 0.2 | 3.7 | 237.4 | 3.7 | 290.6 | 0.0 | 300.1 | 0.0 | 300.1 |
| 1970 | 0.7 | 11.2 | 1.9 | 47.3 | 14.2 | 0.4 | 3.7 | 296.4 | 2.1 | 365.9 | 0.0 | 377.8 | 0.0 | 377.8 |
| 1975 | 0.1 | 9.5 | 1.1 | 65.2 | 14.6 | 0.5 | 4.6 | 332.3 | 2.1 | 420.4 | 0.0 | 430.0 | 0.0 | 430.0 |
| 1980 | 0.0 | 8.8 | 1.3 | 102.7 | 12.0 | 0.3 | 4.2 | 311.1 | 1.3 | 432.8 | 0.0 | 441.6 | 0.0 | 441.6 |
| 1985 | 0.0 | 4.9 | 2.0 | 119.8 | 87.4 | 0.5 | 3.8 | 297.8 | 0.2 | 511.5 | 0.0 | R 520.8 | 0.0 | R 520.8 |
| 1990 | 0.0 | 8.6 | 1.5 | 139.8 | 101.3 | 0.6 | 4.3 | 319.1 | 1.2 | 567.8 | (s) | R 581.5 | 0.1 | R 581.6 |
| 1995 | 0.0 | 7.8 | 0.7 | 149.5 | 98.3 | 0.4 | 4.1 | 360.2 | 1.5 | 614.7 | 0.1 | 622.5 | 0.1 | 622.7 |
| 1996 | 0.0 | 12.7 | 0.9 | 158.9 | 71.3 | 0.4 | 4.0 | 357.9 | 1.8 | 595.2 | 0.1 | 607.9 | 0.1 | 608.0 |
| 1997 | 0.0 | 11.1 | 0.7 | 169.7 | 62.3 | 0.2 | 4.2 | 358.7 | 2.5 | 598.3 | 0.1 | 609.5 | 0.1 | 609.6 |
| 1998 | 0.0 | 7.7 | 0.6 | 162.7 | 54.7 | 0.2 | 4.4 | 382.1 | 1.9 | 606.6 | 0.1 | 614.3 | 0.1 | 614.4 |
| 1999 | 0.0 | 7.7 | 0.6 | 178.9 | 63.5 | 0.1 | 4.4 | 373.7 | 1.5 | 622.8 | 0.1 | 630.6 | 0.1 | 630.7 |
| 2000 | 0.0 | 6.1 | 0.6 | 185.3 | 79.4 | 0.2 | 4.4 | 381.4 | 1.9 | 653.1 | 0.1 | 659.2 | 0.1 | 659.3 |
| 2001 | 0.0 | 7.5 | 0.3 | 139.5 | 66.7 | 0.3 | 4.0 | 384.8 | 1.1 | 596.7 | 0.1 | 604.2 | 0.1 | 604.4 |
| 2002 | 0.0 | 5.6 | 0.6 | 195.8 | 61.1 | 0.5 | 4.0 | 379.7 | 1.5 | 643.2 | 0.1 | 648.9 | 0.1 | 649.0 |
| 2003 | 0.0 | 7.7 | 0.5 | 207.6 | 53.1 | 0.6 | 3.7 | 392.7 | 0.5 | 658.6 | 0.1 | 666.4 | 0.1 | 666.5 |
| 2004 | 0.0 | 7.4 | 0.5 | 185.8 | 48.5 | 0.6 | 3.7 | 393.1 | 1.0 | 633.3 | 0.1 | 640.7 | 0.1 | 640.8 |
| 2005 | 0.0 | 6.9 | 0.8 | 199.7 | 39.4 | 0.6 | 3.7 | 393.3 | 1.2 | 638.7 | 0.1 | 645.7 | 0.1 | 645.8 |
| 2006 | 0.0 | 6.6 | 0.6 | 208.0 | 44.6 | 0.5 | 3.6 | 393.6 | 1.1 | 652.0 | 0.1 | 658.6 | 0.1 | 658.7 |
| 2007 | 0.0 | 7.3 | 0.6 | 205.1 | 42.2 | 0.5 | 3.7 | 385.2 | 1.8 | 639.1 | 0.1 | 646.5 | 0.1 | 646.6 |
| 2008 | 0.0 | 7.3 | 0.5 | R 198.9 | 35.5 | 0.9 | 3.5 | 372.6 | 2.4 | R 614.2 | 0.1 | R 621.6 | 0.1 | R 621.7 |
| 2009 | 0.0 | 6.5 | 0.5 | 170.2 | 42.3 | 0.7 | 3.1 | 368.3 | 0.6 | 585.6 | 0.1 | 592.2 | 0.1 | 592.3 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Indiana

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 13,483 | 9 | 103 | 130 | 0 | 232 | 0 | 100 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 18,113 | 13 | 63 | 80 | 0 | 142 | 0 | 94 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 22,648 | 30 | 204 | 257 | 255 | 716 | 0 | 495 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 27,301 | 11 | 1,344 | 477 | 0 | 1,821 | 0 | 444 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 33,664 | 2 | 0 | 730 | 0 | 730 | 0 | 474 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 38,310 | 1 | 0 | 414 | 0 | 414 | 0 | 426 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 47,654 | 7 | 0 | 423 | 956 | 1,379 | 0 | 441 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 52,089 | 8 | 0 | 342 | 82 | 424 | 0 | 467 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 52,855 | 4 | 0 | 353 | 298 | 652 | 0 | 448 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 54,845 | 5 | 0 | 322 | 908 | 1,230 | 0 | 562 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 55,267 | 14 | 0 | 447 | 1,227 | 1,674 | 0 | 479 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 56,317 | 13 | 0 | 554 | 1,075 | 1,630 | 0 | 407 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 59,431 | 15 | 0 | 530 | 1,174 | 1,704 | 0 | 588 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 57,397 | 18 | 1 | 385 | 347 | 733 | 0 | 571 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 57,692 | 35 | 1 | 322 | 620 | 944 | 0 | 411 | – – | 0 | 0 | 0 | -1 | – – |
| 2003 | 58,493 | 27 | 1 | 356 | 456 | 814 | 0 | 424 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 59,459 | 23 | 1 | 280 | 503 | 784 | 0 | 444 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 60,011 | 35 | 0 | 323 | 190 | 513 | 0 | 438 | – – | 0 | 0 | 0 | 11 | – – |
| 2006 | 60,582 | 27 | 0 | 267 | 0 | 267 | 0 | 490 | – – | 0 | 0 | 0 | 30 | – – |
| 2007 | 60,756 | 38 | 0 | 284 | 0 | 284 | 0 | 450 | – – | 0 | 0 | 0 | -23 | – – |
| 2008 | 61,171 | 34 | 0 | 308 | 0 | 308 | 0 | 437 | – – | 0 | 0 | 238 | -83 | – – |
| 2009 | 54,449 | 37 | 0 | 250 | 18 | 267 | 0 | 503 | – – | 0 | 0 | 1,403 | -31 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 305.2 | 9.1 | 0.6 | 0.8 | 0.0 | 1.4 | 0.0 | 1.1 | 0.0 | 0.0 | NA | NA | 0.0 | 316.8 |
| 1965 | 406.9 | 13.3 | 0.4 | 0.5 | 0.0 | 0.9 | 0.0 | 1.0 | 0.0 | 0.0 | NA | NA | 0.0 | 422.0 |
| 1970 | 498.9 | 29.7 | 1.3 | 1.5 | 1.5 | 4.3 | 0.0 | 5.2 | 0.0 | 0.0 | NA | NA | 0.0 | 538.1 |
| 1975 | 579.6 | 11.0 | 8.5 | 2.8 | 0.0 | 11.2 | 0.0 | 4.6 | 0.0 | 0.0 | NA | NA | 0.0 | 606.4 |
| 1980 | 728.2 | 1.9 | 0.0 | 4.3 | 0.0 | 4.3 | 0.0 | 4.9 | 0.0 | 0.0 | NA | NA | 0.0 | 739.3 |
| 1985 | 816.5 | 1.1 | 0.0 | 2.4 | 0.0 | 2.4 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 824.5 |
| 1990 | 1,006.7 | 6.6 | 0.0 | 2.5 | 5.8 | 8.2 | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,026.1 |
| 1995 | 1,079.6 | 8.5 | 0.0 | 2.0 | 0.5 | 2.5 | 0.0 | 4.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,095.9 |
| 1996 | 1,097.2 | 4.4 | 0.0 | 2.1 | 1.8 | 3.9 | 0.0 | 4.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,111.0 |
| 1997 | 1,143.4 | 4.8 | 0.0 | 1.9 | 5.5 | 7.3 | 0.0 | 5.7 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,162.2 |
| 1998 | 1,160.5 | 13.9 | 0.0 | 2.6 | 7.4 | 10.0 | 0.0 | 4.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,190.2 |
| 1999 | 1,192.3 | 12.8 | 0.0 | 3.2 | 6.5 | 9.7 | 0.0 | 4.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,219.7 |
| 2000 | 1,259.2 | 14.8 | 0.0 | 3.1 | 7.1 | 10.2 | 0.0 | 6.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,291.0 |
| 2001 | 1,209.6 | 18.1 | (s) | 2.2 | 2.1 | 4.3 | 0.0 | 5.9 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,238.8 |
| 2002 | 1,190.6 | 36.0 | (s) | 1.9 | 3.7 | 5.6 | 0.0 | 4.2 | 1.1 | 0.0 | 0.0 | 0.0 | (s) | 1,237.1 |
| 2003 | 1,215.4 | 27.2 | (s) | 2.1 | 2.7 | 4.8 | 0.0 | 4.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,252.6 |
| 2004 | 1,244.5 | 23.3 | (s) | 1.6 | 3.0 | 4.7 | 0.0 | 4.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,277.7 |
| 2005 | 1,271.7 | 36.0 | 0.0 | 1.9 | 1.1 | 3.0 | 0.0 | 4.4 | 0.2 | 0.0 | 0.0 | 0.0 | (s) | 1,315.0 |
| 2006 | 1,277.0 | 27.6 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 | 4.9 | 2.2 | 0.0 | 0.0 | 0.0 | 0.1 | 1,313.0 |
| 2007 | 1,271.2 | 38.4 | 0.0 | 1.7 | 0.0 | 1.7 | 0.0 | 4.4 | 2.3 | 0.0 | 0.0 | 0.0 | -0.1 | 1,317.6 |
| 2008 | 1,276.6 | 34.8 | 0.0 | 1.8 | 0.0 | 1.8 | 0.0 | 4.3 | 3.1 | 0.0 | 0.0 | 2.3 | -0.3 | 1,322.4 |
| 2009 | 1,132.9 | 37.0 | 0.0 | 1.5 | 0.1 | 1.6 | 0.0 | 4.9 | 3.0 | 0.0 | 0.0 | 13.7 | -0.1 | 1,192.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 5,258 | 187 | 11,163 | 195 | 5,017 | 29,463 | 1,071 | 6,288 | 53,197 | 0 | 881 | NA |
| 1965 | 5,722 | 248 | 11,068 | 232 | 7,448 | 30,792 | 531 | 5,690 | 55,760 | 0 | 928 | NA |
| 1970 | 6,166 | 349 | 13,677 | 725 | 11,038 | 35,701 | 401 | 4,986 | 66,528 | 0 | 935 | NA |
| 1971 | 5,896 | 345 | 14,257 | 655 | 11,139 | 37,325 | 414 | 5,237 | 69,026 | 0 | 913 | NA |
| 1972 | 6,945 | 345 | 14,941 | 730 | 12,506 | 38,404 | 509 | 5,326 | 72,416 | 0 | 993 | NA |
| 1973 | 7,026 | 365 | 15,531 | 710 | 12,692 | 42,104 | 572 | 5,059 | 76,667 | 0 | 906 | NA |
| 1974 | 6,173 | 368 | 14,825 | 749 | 13,369 | 38,847 | 697 | 4,966 | 73,453 | 1,330 | 891 | NA |
| 1975 | 6,407 | 346 | 14,553 | 835 | 13,645 | 39,042 | 608 | 4,340 | 73,024 | 2,291 | 879 | NA |
| 1976 | 8,311 | 311 | 15,088 | 964 | 18,586 | 40,738 | 931 | 6,708 | 83,016 | 2,479 | 645 | NA |
| 1977 | 9,175 | 280 | 15,977 | 1,004 | 17,854 | 41,237 | 1,096 | 7,420 | 84,587 | 2,888 | 780 | NA |
| 1978 | 10,110 | 238 | 16,915 | 1,127 | 15,698 | 40,927 | 921 | 8,093 | 83,681 | 1,209 | 930 | NA |
| 1979 | 11,352 | 292 | 20,711 | 1,039 | 14,686 | 38,501 | 1,216 | 9,568 | 85,722 | 2,889 | 898 | NA |
| 1980 | 12,340 | 270 | 15,930 | 813 | 11,167 | 35,394 | 415 | 8,003 | 71,721 | 2,563 | 946 | NA |
| 1981 | 13,483 | 253 | 14,513 | 717 | 9,891 | 34,274 | 98 | 5,573 | 65,066 | 2,204 | 982 | 528 |
| 1982 | 13,033 | 237 | 16,235 | 635 | 11,953 | 33,030 | 334 | 4,950 | 67,137 | 2,269 | 918 | 1,185 |
| 1983 | 13,540 | 221 | 14,099 | 591 | 12,026 | 32,386 | 207 | 4,077 | 63,387 | 2,309 | 920 | 1,186 |
| 1984 | 13,624 | 235 | 15,716 | 615 | 7,336 | 32,223 | 140 | 4,662 | 60,692 | 2,700 | 918 | 1,025 |
| 1985 | 14,342 | 226 | 15,823 | 592 | 8,507 | 31,465 | 182 | 4,689 | 61,258 | 1,927 | 989 | 820 |
| 1986 | 13,862 | 207 | 16,214 | 595 | 8,774 | 31,355 | 508 | 3,816 | 61,261 | 2,993 | 953 | 836 |
| 1987 | 15,191 | 203 | 16,531 | 779 | 6,098 | 31,687 | 117 | 3,631 | 58,844 | 2,523 | 971 | 967 |
| 1988 | 16,114 | 239 | 16,333 | 713 | 6,612 | 32,509 | 258 | 4,026 | 60,450 | 3,163 | 699 | 979 |
| 1989 | 17,126 | 226 | 15,600 | 750 | 7,174 | 32,574 | 182 | 3,449 | 59,729 | 3,139 | 672 | 1,116 |
| 1990 | 18,080 | 219 | 15,784 | 891 | 6,355 | 31,684 | 124 | 3,385 | 58,223 | 3,012 | 875 | 885 |
| 1991 | 18,905 | 234 | 14,513 | 892 | 7,255 | 32,471 | 96 | 3,026 | 58,254 | 4,147 | 901 | 1,102 |
| 1992 | 18,143 | 232 | 16,066 | 803 | 8,978 | 31,713 | 106 | 2,949 | 60,615 | 3,405 | 1,000 | 1,366 |
| 1993 | 19,328 | 248 | 16,699 | 720 | 15,651 | 32,703 | 162 | 2,956 | 68,892 | 3,235 | 747 | 1,611 |
| 1994 | 19,460 | 248 | 17,293 | 897 | 15,663 | 33,887 | 179 | 3,513 | 71,432 | 4,107 | 1,071 | 1,849 |
| 1995 | 20,728 | 261 | 17,748 | 1,046 | 16,989 | 34,418 | 92 | 3,135 | 73,427 | 3,730 | 1,003 | 1,811 |
| 1996 | 21,301 | 272 | 19,793 | 819 | 11,344 | 35,909 | 94 | 5,134 | 73,092 | 3,924 | 935 | 1,158 |
| 1997 | 21,798 | 254 | 19,652 | 793 | 10,296 | 35,577 | 71 | 5,926 | 72,316 | 4,149 | 805 | 1,410 |
| 1998 | 23,275 | 232 | 20,058 | 1,186 | 14,882 | 36,973 | 88 | 5,586 | 78,772 | 3,768 | 913 | 1,744 |
| 1999 | 23,590 | 231 | 19,588 | 885 | 18,746 | 36,993 | 100 | 6,495 | 82,807 | 3,640 | 946 | 1,888 |
| 2000 | 24,480 | 233 | 19,261 | 771 | 19,621 | 36,753 | 143 | 5,868 | 82,417 | 4,453 | 904 | 2,217 |
| 2001 | 24,398 | 224 | 20,101 | 777 | 16,127 | 36,768 | 44 | 5,018 | 78,835 | 3,853 | 845 | 2,330 |
| 2002 | 24,676 | 226 | 19,706 | 782 | 18,317 | 38,004 | 62 | 5,566 | 82,437 | 4,574 | 946 | 2,391 |
| 2003 | 24,868 | 230 | 18,378 | 793 | 13,337 | 38,249 | 150 | 5,476 | 76,383 | 3,988 | 789 | 2,555 |
| 2004 | 24,975 | 227 | 20,407 | 910 | 18,974 | 39,445 | 282 | 6,490 | 86,508 | 4,929 | 946 | 2,701 |
| 2005 | 24,276 | 241 | 20,560 | 990 | 20,881 | 39,215 | 194 | 6,474 | 88,313 | 4,538 | 960 | 842 |
| 2006 | 24,607 | 238 | 21,313 | 1,033 | 21,192 | 40,429 | 47 | R 4,935 | R 88,949 | 5,095 | 909 | 765 |
| 2007 | 26,350 | 293 | 22,873 | 899 | 16,893 | 40,251 | 44 | R 4,436 | R 85,396 | 4,519 | 962 | 1,320 |
| 2008 | 27,894 | R 326 | R 22,118 | 786 | 16,512 | 39,281 | 146 | R 4,156 | R 83,001 | 5,282 | 819 | 2,356 |
| 2009 | 25,554 | 315 | 22,050 | 525 | 17,825 | 39,698 | 0 | 3,478 | 83,577 | 4,679 | 971 | 2,295 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 115.9 | 193.7 | 65.0 | 1.0 | 20.1 | 154.8 | 6.7 | 38.2 | 285.9 | 595.5 | *193.7* | *154.8* |
| 1965 | 126.6 | 250.0 | 64.5 | 1.3 | 29.9 | 161.7 | 3.3 | 34.6 | 295.3 | 671.9 | *250.0* | *161.7* |
| 1970 | 130.9 | 351.8 | 79.7 | 4.1 | 41.7 | 187.5 | 2.5 | 31.0 | 346.4 | 829.1 | *351.8* | *187.5* |
| 1971 | 124.7 | 347.7 | 83.0 | 3.7 | 42.0 | 196.1 | 2.6 | 32.5 | 359.9 | 832.4 | *347.7* | *196.1* |
| 1972 | 144.9 | 347.6 | 87.0 | 4.1 | 47.0 | 201.7 | 3.2 | 32.9 | 376.0 | 868.5 | *347.6* | *201.7* |
| 1973 | 148.7 | 369.0 | 90.5 | 4.0 | 47.5 | 221.2 | 3.6 | 31.2 | 397.9 | 915.6 | *369.0* | *221.2* |
| 1974 | 128.2 | 371.6 | 86.4 | 4.2 | 49.9 | 204.1 | 4.4 | 30.5 | 379.4 | 879.2 | *371.6* | *204.1* |
| 1975 | 131.6 | 348.6 | 84.8 | 4.7 | 50.7 | 205.1 | 3.8 | 26.7 | 375.8 | 855.9 | *348.6* | *205.1* |
| 1976 | 169.5 | 313.9 | 87.9 | 5.4 | 69.0 | 214.0 | 5.9 | 40.2 | 422.3 | 905.7 | *313.9* | *214.0* |
| 1977 | 185.1 | 281.4 | 93.1 | 5.6 | 65.6 | 216.6 | 6.9 | 44.4 | 432.3 | 898.8 | *281.4* | *216.6* |
| 1978 | 201.3 | 238.8 | 98.5 | 6.3 | 57.6 | 215.0 | 5.8 | 48.5 | 431.8 | 871.8 | *238.8* | *215.0* |
| 1979 | 219.4 | 292.2 | 120.6 | 5.9 | 54.0 | 202.2 | 7.6 | 56.8 | 447.2 | 958.9 | *292.2* | *202.2* |
| 1980 | 234.4 | 270.3 | 92.8 | 4.6 | 41.0 | 185.9 | 2.6 | 46.2 | 373.1 | 877.9 | *270.4* | *185.9* |
| 1981 | 252.1 | 253.9 | 84.5 | 4.0 | 36.0 | 180.0 | 0.6 | 33.2 | 338.4 | 844.5 | *254.0* | *180.0* |
| 1982 | 243.9 | 238.9 | 94.6 | 3.6 | 43.2 | 173.5 | 2.1 | 29.7 | 346.6 | 829.4 | *239.0* | *173.5* |
| 1983 | 253.7 | 223.6 | 82.1 | 3.3 | 43.5 | 170.1 | 1.3 | 24.6 | 324.9 | 802.2 | *223.6* | *170.1* |
| 1984 | 251.5 | 238.3 | 91.5 | 3.4 | 26.4 | 169.3 | 0.9 | 27.9 | 319.4 | 809.3 | *238.4* | *169.3* |
| 1985 | 268.8 | 191.6 | 92.2 | 3.3 | 30.7 | 165.3 | 1.1 | 28.3 | 320.8 | 781.2 | *228.4* | *165.3* |
| 1986 | 262.1 | 163.6 | 94.4 | 3.3 | 31.9 | 164.7 | 3.2 | 23.5 | 321.1 | 746.9 | *209.0* | *164.7* |
| 1987 | 287.3 | 157.9 | 96.3 | 4.4 | 22.3 | 166.5 | 0.7 | 22.3 | 312.4 | 757.7 | *204.7* | *166.5* |
| 1988 | 306.1 | 196.3 | 95.1 | 4.0 | 24.1 | 170.8 | 1.6 | 24.9 | 320.6 | 823.1 | *240.8* | *170.8* |
| 1989 | 317.7 | 178.6 | 90.9 | 4.2 | 26.4 | 171.1 | 1.1 | 21.2 | 314.9 | 811.2 | *228.2* | *171.1* |
| 1990 | 335.0 | 172.1 | 91.9 | 5.0 | 23.0 | 166.4 | 0.8 | 20.7 | 307.9 | 815.0 | *220.4* | *166.4* |
| 1991 | 349.3 | 188.1 | 84.5 | 5.0 | 26.2 | 170.6 | 0.6 | 18.7 | 305.6 | 843.0 | *235.8* | *170.6* |
| 1992 | 329.3 | 179.6 | 93.6 | 4.5 | 32.5 | 166.6 | 0.7 | 18.1 | 315.9 | 824.8 | *232.5* | *166.6* |
| 1993 | 344.1 | 196.7 | 97.3 | 4.1 | 56.4 | R 166.2 | 1.0 | 18.1 | R 343.0 | R 883.8 | *248.8* | *171.8* |
| 1994 | 348.9 | 198.5 | 100.7 | 5.1 | 56.9 | R 170.8 | 1.1 | 21.8 | R 356.5 | R 903.9 | *250.5* | *177.2* |
| 1995 | 372.3 | 210.5 | 103.4 | 5.9 | 61.5 | R 173.2 | 0.6 | 19.4 | R 364.0 | R 946.8 | *262.5* | *179.5* |
| 1996 | 383.7 | 223.1 | 115.3 | 4.6 | 41.0 | R 183.3 | 0.6 | 30.6 | R 375.4 | R 982.2 | *274.0* | *187.3* |
| 1997 | 391.7 | 208.4 | 114.5 | 4.5 | 37.2 | R 180.6 | 0.4 | 35.7 | R 372.9 | R 973.0 | *256.8* | *185.5* |
| 1998 | 424.9 | 184.9 | 116.8 | 6.7 | 53.8 | R 186.7 | 0.6 | 33.3 | R 397.8 | R 1,007.6 | *234.6* | *192.7* |
| 1999 | 432.0 | 201.5 | 114.1 | 5.0 | 67.8 | R 186.2 | 0.6 | 39.1 | R 412.8 | R 1,046.3 | *235.1* | *192.8* |
| 2000 | 445.9 | 203.0 | 112.2 | 4.4 | 70.8 | R 183.8 | 0.9 | 35.1 | R 407.1 | R 1,056.1 | *233.7* | *191.5* |
| 2001 | 443.9 | 193.4 | 117.1 | 4.4 | 58.3 | R 183.5 | 0.3 | 29.9 | R 393.5 | R 1,030.8 | *225.2* | *191.6* |
| 2002 | 441.5 | 194.0 | 114.8 | 4.4 | 66.2 | R 189.6 | 0.4 | 33.5 | R 408.9 | R 1,044.5 | *227.1* | *197.9* |
| 2003 | 444.6 | 197.6 | 107.0 | 4.5 | 48.4 | R 190.3 | 0.9 | 32.9 | R 384.1 | R 1,026.3 | *230.9* | *199.2* |
| 2004 | 443.2 | 198.0 | 118.9 | 5.2 | 68.6 | R 196.3 | 1.8 | 39.3 | R 430.1 | R 1,071.3 | *227.5* | *205.7* |
| 2005 | 429.8 | 210.7 | 119.8 | 5.6 | 75.6 | R 201.7 | 1.2 | 39.4 | 443.2 | R 1,083.8 | *242.8* | *204.6* |
| 2006 | 435.2 | 207.2 | 124.1 | 5.9 | 76.4 | R 208.3 | 0.3 | R 30.5 | R 445.5 | R 1,087.9 | *241.3* | *211.0* |
| 2007 | 465.2 | 264.2 | 133.2 | 5.1 | 60.7 | R 205.5 | 0.3 | R 27.2 | R 432.0 | R 1,161.3 | *296.2* | *210.1* |
| 2008 | 485.2 | R 297.4 | R 128.8 | 4.5 | 59.4 | R 196.8 | 0.9 | R 25.6 | R 416.0 | R 1,198.6 | R *329.0* | *205.0* |
| 2009 | 444.6 | 284.0 | 128.4 | 3.0 | 63.4 | 199.2 | 0.0 | 21.4 | 415.4 | 1,144.0 | *317.4* | *207.1* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Iowa (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 9.5 | 6.4 | NA | NA | 6.4 | 0.0 | NA | NA | 15.9 | -8.5 | 0.0 | 602.9 |
| 1965 | 0.0 | 9.7 | 5.5 | NA | NA | 5.5 | 0.0 | NA | NA | 15.2 | R 11.0 | 0.0 | 698.1 |
| 1970 | 0.0 | 9.8 | 6.3 | NA | NA | 6.3 | 0.0 | NA | NA | 16.1 | R 5.3 | 0.0 | R 850.5 |
| 1971 | 0.0 | 9.6 | 6.6 | NA | NA | 6.6 | 0.0 | NA | NA | 16.1 | 15.7 | 0.0 | R 864.1 |
| 1972 | 0.0 | 10.3 | 6.9 | NA | NA | 6.9 | 0.0 | NA | NA | 17.2 | R 20.6 | 0.0 | R 906.3 |
| 1973 | 0.0 | 9.4 | 7.3 | NA | NA | 7.3 | 0.0 | NA | NA | 16.7 | R 32.6 | 0.0 | R 964.9 |
| 1974 | 14.8 | 9.3 | 7.7 | NA | NA | 7.7 | 0.0 | NA | NA | 17.0 | R 41.0 | 0.0 | R 952.0 |
| 1975 | 25.2 | 9.1 | 7.9 | NA | NA | 7.9 | 0.0 | NA | NA | 17.0 | R 45.9 | 0.0 | R 944.1 |
| 1976 | 27.4 | 6.7 | 8.5 | NA | NA | 8.5 | 0.0 | NA | NA | 15.2 | R 42.8 | 0.0 | R 991.1 |
| 1977 | 31.1 | 8.1 | 9.0 | NA | NA | 9.0 | 0.0 | NA | NA | 17.1 | R 48.1 | 0.0 | R 995.1 |
| 1978 | 13.2 | 9.6 | 9.6 | NA | NA | 9.6 | 0.0 | NA | NA | 19.3 | R 74.8 | 0.0 | R 979.2 |
| 1979 | 31.4 | 9.3 | 9.7 | NA | NA | 9.7 | 0.0 | NA | NA | 18.9 | R 51.2 | 0.0 | R 1,060.5 |
| 1980 | 28.0 | 9.8 | 48.7 | NA | NA | 48.7 | 0.0 | NA | NA | 58.6 | R 42.0 | 0.0 | R 1,006.4 |
| 1981 | 24.3 | 10.3 | 49.6 | 1.8 | 2.5 | R 53.9 | 0.0 | NA | NA | R 64.2 | R 45.7 | 0.0 | R 978.6 |
| 1982 | 25.1 | 9.6 | 50.2 | 4.1 | 3.0 | R 57.3 | 0.0 | NA | NA | R 66.9 | R 55.3 | 0.0 | R 976.7 |
| 1983 | 25.2 | 9.7 | 54.7 | 4.1 | 3.6 | R 62.4 | 0.0 | NA | 0.0 | R 72.1 | R 59.8 | 0.0 | R 959.3 |
| 1984 | 29.3 | 9.6 | 57.8 | 3.6 | 4.7 | R 66.0 | 0.0 | 0.0 | 0.0 | R 75.6 | R 29.5 | 0.0 | R 943.6 |
| 1985 | 20.5 | 10.3 | 58.1 | 2.8 | 4.6 | R 65.6 | 0.0 | 0.0 | 0.0 | R 75.9 | R 23.6 | 3.6 | R 904.8 |
| 1986 | 31.7 | 10.0 | 78.6 | 2.9 | 8.5 | R 90.0 | 0.0 | 0.0 | 0.0 | R 100.0 | R 26.4 | 0.0 | R 904.9 |
| 1987 | 26.3 | 10.1 | 82.4 | 3.4 | 11.8 | R 97.5 | 0.0 | 0.0 | 0.0 | R 107.7 | R 18.1 | 0.0 | R 909.8 |
| 1988 | 33.5 | 7.2 | 89.2 | 3.4 | 11.7 | R 104.3 | 0.0 | 0.0 | 0.0 | R 111.5 | R 13.3 | 0.0 | R 981.4 |
| 1989 | 33.2 | 7.0 | 52.6 | 3.9 | 14.1 | R 70.6 | 0.1 | (s) | 0.0 | R 77.7 | R 21.4 | 0.0 | R 943.5 |
| 1990 | 31.9 | 9.1 | 47.8 | 3.1 | 14.0 | R 64.9 | 0.1 | (s) | 0.0 | R 74.0 | R 9.8 | 0.0 | R 930.7 |
| 1991 | 43.5 | 9.4 | 47.3 | 3.8 | 15.5 | R 66.7 | 0.1 | (s) | 0.0 | R 76.1 | R 2.1 | 0.0 | R 964.7 |
| 1992 | 35.7 | 10.3 | 45.7 | 4.7 | 19.4 | R 69.8 | 0.1 | (s) | 0.0 | R 80.2 | R 12.2 | 0.0 | R 952.9 |
| 1993 | 34.0 | 7.7 | 43.5 | 5.6 | 24.0 | R 73.1 | 0.1 | (s) | 0.0 | R 80.9 | R 18.9 | 0.0 | R 1,017.6 |
| 1994 | 42.9 | 11.0 | 40.8 | 6.4 | 27.0 | R 74.2 | 0.2 | (s) | (s) | R 85.4 | R 13.5 | 0.0 | R 1,045.8 |
| 1995 | 39.2 | 10.3 | 40.8 | 6.3 | 26.7 | R 73.9 | 0.2 | (s) | (s) | R 84.4 | R 14.2 | 0.0 | R 1,084.6 |
| 1996 | 41.2 | 9.7 | 48.3 | 4.0 | 26.5 | R 78.8 | 0.2 | (s) | (s) | R 88.7 | R 21.6 | 0.0 | R 1,133.8 |
| 1997 | 43.5 | 8.2 | 40.4 | 4.9 | 26.3 | R 71.6 | 0.2 | (s) | (s) | R 80.1 | R 25.4 | 0.6 | R 1,122.5 |
| 1998 | 39.5 | 9.3 | 37.3 | 6.1 | 26.1 | R 69.4 | 0.3 | (s) | (s) | R 79.0 | R 0.1 | 0.2 | R 1,126.4 |
| 1999 | 38.0 | 9.7 | 37.7 | 6.6 | 27.0 | R 71.2 | 0.3 | (s) | 3.3 | R 84.5 | R 8.0 | 0.1 | R 1,177.0 |
| 2000 | 46.4 | 9.2 | 31.7 | 7.7 | 26.9 | R 66.3 | 0.3 | (s) | 5.0 | R 80.8 | R -10.1 | (s) | R 1,173.2 |
| 2001 | 40.2 | 8.7 | 27.7 | 8.1 | 26.8 | R 62.6 | 0.3 | (s) | 5.0 | R 76.7 | R -6.7 | (s) | R 1,141.0 |
| 2002 | 47.8 | 9.6 | 30.8 | 8.3 | 26.7 | R 65.8 | 0.4 | (s) | 9.3 | R 85.2 | R 0.3 | 0.0 | R 1,177.7 |
| 2003 | 41.6 | 8.1 | 30.5 | 8.9 | 36.0 | R 75.3 | 0.5 | (s) | 10.1 | R 94.0 | R 6.1 | (s) | R 1,167.9 |
| 2004 | 51.4 | 9.5 | 30.6 | 9.4 | 51.1 | R 91.1 | 0.6 | (s) | 10.5 | R 111.6 | R -14.3 | (s) | R 1,220.0 |
| 2005 | 47.4 | 9.6 | R 31.0 | 2.9 | 64.8 | R 98.7 | 0.6 | (s) | 16.5 | R 125.4 | R 4.0 | (s) | R 1,260.6 |
| 2006 | 53.2 | 9.0 | R 21.0 | 2.7 | 87.4 | R 111.0 | 0.7 | (s) | 23.0 | R 143.7 | R -7.3 | (s) | R 1,277.5 |
| 2007 | 47.4 | 9.5 | R 23.5 | 4.6 | 112.7 | R 140.8 | 0.8 | (s) | 27.2 | R 178.3 | R -24.0 | (s) | R 1,363.0 |
| 2008 | 55.2 | 8.1 | R 23.8 | 8.2 | 134.4 | R 166.4 | 0.9 | (s) | 40.2 | R 215.6 | R -57.6 | 0.0 | R 1,411.8 |
| 2009 | 48.9 | 9.5 | 25.5 | 7.9 | 175.0 | 208.5 | 1.0 | 0.1 | 72.4 | 291.5 | -66.0 | 0.0 | 1,418.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 3,141 | 139 | 10,904 | 195 | 5,017 | 29,463 | 1,033 | 6,288 | 52,899 | 2 | – – | – – | – – | – – | 8,208 | – – | – – | – – |
| 1965 | 2,962 | 195 | 10,886 | 232 | 7,448 | 30,792 | 503 | 5,690 | 55,550 | 2 | – – | – – | – – | – – | 11,560 | – – | – – | – – |
| 1970 | 2,136 | 271 | 13,350 | 725 | 11,038 | 35,701 | 352 | 4,986 | 66,152 | 1 | – – | – – | – – | – – | 15,473 | – – | – – | – – |
| 1975 | 1,472 | 299 | 14,046 | 835 | 13,645 | 39,042 | 394 | 4,340 | 72,302 | 1 | – – | – – | – – | – – | 20,085 | – – | – – | – – |
| 1980 | 1,595 | 263 | 15,762 | 813 | 11,167 | 35,394 | 352 | 8,003 | 71,490 | 1 | – – | – – | – – | – – | 24,858 | – – | – – | – – |
| 1985 | 1,850 | 224 | 15,722 | 592 | 8,507 | 31,465 | 180 | 4,689 | 61,155 | 1 | – – | – – | – – | – – | 25,677 | – – | – – | – – |
| 1990 | 2,599 | 215 | 15,660 | 891 | 6,355 | 31,684 | 124 | 3,385 | 58,099 | 0 | – – | – – | – – | – – | 29,437 | – – | – – | – – |
| 1995 | 2,851 | 257 | 17,593 | 1,046 | 16,989 | 34,418 | 92 | 3,135 | 73,273 | 0 | – – | – – | – – | – – | 34,301 | – – | – – | – – |
| 2000 | 3,163 | 228 | 19,038 | 771 | 19,621 | 36,753 | 143 | 5,868 | 82,194 | 0 | – – | – – | – – | – – | 39,088 | – – | – – | – – |
| 2001 | 3,093 | 219 | 19,883 | 777 | 16,127 | 36,768 | 44 | 5,018 | 78,617 | 0 | – – | – – | – – | – – | 39,444 | – – | – – | – – |
| 2002 | 3,173 | 221 | 19,570 | 782 | 18,317 | 38,004 | 62 | 5,566 | 82,301 | 0 | – – | – – | – – | – – | 40,898 | – – | – – | – – |
| 2003 | 3,187 | 226 | 18,166 | 793 | 13,337 | 38,249 | 150 | 5,476 | 76,171 | 0 | – – | – – | – – | – – | 41,207 | – – | – – | – – |
| 2004 | 3,102 | 219 | 20,230 | 910 | 18,974 | 39,445 | 282 | 6,428 | 86,269 | 0 | – – | – – | – – | – – | 40,903 | – – | – – | – – |
| 2005 | 3,204 | 220 | 20,205 | 990 | 20,881 | 39,215 | 194 | 6,474 | 87,959 | 0 | – – | – – | – – | – – | 42,757 | – – | – – | – – |
| 2006 | 3,370 | 219 | 21,043 | 1,033 | 21,192 | 40,429 | 47 | 4,736 | 88,479 | 0 | – – | – – | – – | – – | 43,337 | – – | – – | – – |
| 2007 | 3,332 | 267 | 22,431 | 899 | 16,893 | 40,251 | 44 | 4,180 | 84,698 | 0 | – – | – – | – – | – – | 45,270 | – – | – – | – – |
| 2008 | 3,161 | 308 | 21,939 | 786 | 16,512 | 39,281 | 146 | 4,004 | 82,669 | 0 | – – | – – | – – | – – | 45,488 | – – | – – | – – |
| 2009 | 2,947 | 305 | 21,922 | 525 | 17,825 | 39,698 | 0 | 3,426 | 83,397 | 0 | – – | – – | – – | – – | 43,641 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 72.0 | 143.4 | 63.5 | 1.0 | 20.1 | 154.8 | 6.5 | 38.2 | 284.1 | (s) | 6.1 | NA | NA | NA | 28.0 | 533.7 | 69.3 | 602.9 |
| 1965 | 68.1 | 197.2 | 63.4 | 1.3 | 29.9 | 161.7 | 3.2 | 34.6 | 294.0 | (s) | 5.1 | NA | NA | NA | 39.4 | 603.9 | 94.2 | 698.1 |
| 1970 | 46.7 | 273.2 | 77.8 | 4.1 | 41.7 | 187.5 | 2.2 | 31.0 | 344.2 | (s) | 5.9 | NA | NA | NA | 52.8 | 722.8 | 127.7 | 850.5 |
| 1975 | 31.0 | 301.3 | 81.8 | 4.7 | 50.7 | 205.1 | 2.5 | 26.7 | 371.5 | (s) | 7.5 | NA | NA | NA | 68.5 | 779.7 | 164.4 | 944.1 |
| 1980 | 34.2 | 263.5 | 91.8 | 4.6 | 41.0 | 185.9 | 2.2 | 46.2 | 371.7 | (s) | 48.4 | NA | NA | NA | 84.8 | 802.6 | 203.8 | 1,006.4 |
| 1985 | 41.5 | 226.2 | 91.6 | 3.3 | 30.7 | 165.3 | 1.1 | 28.3 | 320.2 | (s) | 57.5 | 4.6 | NA | NA | 87.6 | 704.1 | 200.7 | 904.8 |
| 1990 | 59.0 | 216.2 | 91.2 | 5.0 | 23.0 | 166.4 | 0.8 | 20.7 | 307.2 | 0.0 | 47.6 | 14.0 | 0.1 | (s) | 100.4 | 700.3 | 230.5 | 930.7 |
| 1995 | 60.1 | 257.8 | 102.5 | 5.9 | 61.5 | 179.5 | 0.6 | 19.4 | 369.4 | 0.0 | 40.1 | 26.7 | 0.2 | (s) | 117.0 | 820.4 | 264.2 | 1,084.6 |
| 2000 | 67.7 | 229.0 | 110.9 | 4.4 | 70.8 | 191.5 | 0.9 | 35.1 | 413.5 | 0.0 | 30.8 | 26.9 | 0.3 | (s) | 133.4 | 871.6 | 301.6 | 1,173.2 |
| 2001 | 65.7 | 219.4 | 115.8 | 4.4 | 58.3 | 191.6 | 0.3 | 29.9 | 400.3 | 0.0 | 26.6 | 26.8 | 0.3 | (s) | 134.6 | 842.9 | 298.2 | 1,141.0 |
| 2002 | 66.1 | 221.9 | 114.0 | 4.4 | 66.2 | 197.9 | 0.4 | 33.5 | 416.4 | 0.0 | 29.8 | 26.7 | 0.4 | (s) | 139.5 | 868.5 | 309.2 | 1,177.7 |
| 2003 | 67.2 | 226.6 | 105.8 | 4.5 | 48.4 | 199.2 | 0.9 | 32.9 | 391.7 | 0.0 | 29.5 | 36.0 | 0.5 | (s) | 140.6 | 859.4 | 308.4 | 1,167.9 |
| 2004 | 63.3 | 219.2 | 117.8 | 5.2 | 68.6 | 205.7 | 1.8 | 38.9 | 438.0 | 0.0 | 29.6 | 51.1 | 0.6 | (s) | 139.6 | 913.0 | 307.0 | 1,220.0 |
| 2005 | 65.6 | 221.4 | 117.7 | 5.6 | 75.6 | 204.6 | 1.2 | 39.4 | 444.1 | 0.0 | 30.0 | 64.8 | 0.6 | (s) | 145.9 | 943.4 | 317.2 | 1,260.6 |
| 2006 | 67.9 | 221.6 | 122.6 | 5.9 | 76.4 | 211.0 | 0.3 | 29.3 | 445.4 | 0.0 | 19.9 | 87.4 | 0.7 | (s) | 147.9 | 959.6 | 317.9 | 1,277.5 |
| 2007 | 68.4 | 270.0 | 130.7 | 5.1 | 60.7 | 210.1 | 0.3 | 25.6 | 432.4 | 0.0 | 22.0 | 112.7 | 0.8 | (s) | 154.5 | 1,031.7 | 331.3 | 1,363.0 |
| 2008 | 63.4 | 311.2 | 127.8 | 4.5 | 59.4 | 205.0 | 0.9 | 24.6 | 422.2 | 0.0 | 22.1 | 134.4 | 0.9 | (s) | 155.2 | 1,079.6 | 332.2 | 1,411.8 |
| 2009 | 58.7 | 307.3 | 127.7 | 3.0 | 63.4 | 207.1 | 0.0 | 21.1 | 422.3 | 0.0 | 24.1 | 175.0 | 1.0 | 0.1 | 148.9 | 1,105.1 | 313.3 | 1,418.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 537 | 58 | 2,610 | 2,301 | 3,507 | 8,417 | 163 | – – | – – | 3,720 | – – | – – | – – |
| 1965 | 279 | 77 | 2,347 | 1,327 | 5,020 | 8,694 | 108 | – – | – – | 5,044 | – – | – – | – – |
| 1970 | 100 | 96 | 2,232 | 325 | 7,227 | 9,784 | 99 | – – | – – | 6,480 | – – | – – | – – |
| 1975 | 42 | 94 | 1,802 | 138 | 7,199 | 9,139 | 115 | – – | – – | 8,338 | – – | – – | – – |
| 1980 | 19 | 85 | 2,388 | 47 | 4,119 | 6,554 | 517 | – – | – – | 10,038 | – – | – – | – – |
| 1985 | 61 | 79 | 1,490 | 115 | 3,172 | 4,777 | 644 | – – | – – | 9,851 | – – | – – | – – |
| 1990 | 49 | 71 | 926 | 24 | 2,904 | 3,853 | 348 | – – | – – | 10,513 | – – | – – | – – |
| 1995 | 12 | 82 | 781 | 25 | 4,197 | 5,003 | 303 | – – | – – | 11,640 | – – | – – | – – |
| 1996 | 27 | 88 | 774 | 30 | 5,634 | 6,438 | 314 | – – | – – | 11,537 | – – | – – | – – |
| 1997 | 41 | 82 | 725 | 28 | 5,225 | 5,978 | 242 | – – | – – | 11,673 | – – | – – | – – |
| 1998 | 31 | 69 | 550 | 25 | 4,423 | 4,999 | 215 | – – | – – | 11,855 | – – | – – | – – |
| 1999 | 47 | 71 | 537 | 24 | 5,538 | 6,099 | 227 | – – | – – | 11,867 | – – | – – | – – |
| 2000 | 29 | 74 | 481 | 26 | 5,620 | 6,128 | 244 | – – | – – | 12,029 | – – | – – | – – |
| 2001 | 31 | 71 | 415 | 37 | 3,613 | 4,064 | 236 | – – | – – | 12,430 | – – | – – | – – |
| 2002 | 38 | 72 | 580 | 22 | 4,676 | 5,279 | 240 | – – | – – | 12,921 | – – | – – | – – |
| 2003 | 38 | 74 | 377 | 20 | 4,932 | 5,329 | 252 | – – | – – | 12,768 | – – | – – | – – |
| 2004 | 18 | 68 | 322 | 28 | 4,327 | 4,676 | 259 | – – | – – | 12,625 | – – | – – | – – |
| 2005 | 22 | 67 | 226 | 22 | 4,595 | 4,843 | R 216 | – – | – – | 13,571 | – – | – – | – – |
| 2006 | 27 | 62 | 241 | 15 | 4,256 | 4,512 | R 197 | – – | – – | 13,344 | – – | – – | – – |
| 2007 | 32 | 68 | 229 | 10 | 4,340 | 4,579 | R 217 | – – | – – | 14,060 | – – | – – | – – |
| 2008 | 26 | 75 | R 233 | 5 | 5,718 | R 5,956 | R 227 | – – | – – | 14,073 | – – | – – | – – |
| 2009 | 26 | 70 | 187 | 14 | 5,575 | 5,776 | 217 | – – | – – | 13,723 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 11.4 | 60.5 | 15.2 | 13.0 | 14.1 | 42.3 | 3.3 | NA | NA | 12.7 | 130.2 | 31.4 | 161.6 |
| 1965 | 5.9 | 78.0 | 13.7 | 7.5 | 20.1 | 41.3 | 2.2 | NA | NA | 17.2 | 144.7 | 41.1 | R 185.7 |
| 1970 | 2.0 | 97.1 | 13.0 | 1.8 | 27.3 | 42.2 | 2.0 | NA | NA | 22.1 | 165.4 | 53.5 | 218.9 |
| 1975 | 0.8 | 95.1 | 10.5 | 0.8 | 26.7 | 38.0 | 2.3 | NA | NA | 28.4 | 164.7 | R 68.2 | R 232.9 |
| 1980 | 0.4 | 85.2 | 13.9 | 0.3 | 15.1 | 29.3 | 10.3 | NA | NA | 34.2 | 159.5 | R 82.3 | R 241.7 |
| 1985 | 1.3 | 79.6 | 8.7 | 0.7 | 11.4 | 20.8 | 12.9 | NA | NA | 33.6 | 134.7 | R 77.0 | R 211.7 |
| 1990 | 1.2 | 71.9 | 5.4 | 0.1 | 10.5 | 16.1 | 7.0 | 0.1 | (s) | 35.9 | 115.6 | R 82.3 | R 197.9 |
| 1995 | 0.3 | 82.6 | 4.5 | 0.1 | 15.2 | 19.9 | 6.1 | 0.1 | (s) | 39.7 | 131.6 | R 89.6 | R 221.2 |
| 1996 | 0.7 | 88.6 | 4.5 | 0.2 | 20.4 | 25.0 | 6.3 | 0.1 | (s) | 39.4 | 142.8 | R 89.0 | R 231.7 |
| 1997 | 1.0 | 82.4 | 4.2 | 0.2 | 18.9 | 23.3 | 4.8 | 0.1 | (s) | 39.8 | 135.2 | R 89.7 | R 224.8 |
| 1998 | 0.7 | 69.7 | 3.2 | 0.1 | 16.0 | 19.3 | 4.3 | 0.1 | (s) | 40.5 | 119.2 | R 91.2 | R 210.4 |
| 1999 | 1.2 | 72.8 | 3.1 | 0.1 | 20.0 | 23.3 | 4.5 | 0.1 | (s) | 40.5 | 131.7 | R 92.0 | R 223.7 |
| 2000 | 0.7 | 74.2 | 2.8 | 0.1 | 20.3 | 23.2 | 4.9 | 0.1 | (s) | 41.0 | 134.1 | R 92.8 | R 226.9 |
| 2001 | 0.7 | 71.3 | 2.4 | 0.2 | 13.1 | 15.7 | 4.7 | 0.1 | (s) | 42.4 | 124.5 | R 94.0 | R 218.5 |
| 2002 | 0.9 | 71.8 | 3.4 | 0.1 | 16.9 | 20.4 | 4.8 | 0.1 | (s) | 44.1 | 131.1 | R 97.7 | R 228.8 |
| 2003 | 0.9 | 74.2 | 2.2 | 0.1 | 17.9 | 20.2 | 5.0 | 0.2 | (s) | 43.6 | 133.0 | R 95.6 | R 228.5 |
| 2004 | 0.4 | 68.5 | 1.9 | 0.2 | 15.7 | 17.7 | 5.2 | 0.2 | (s) | 43.1 | 125.8 | R 94.7 | R 220.5 |
| 2005 | 0.5 | 67.7 | 1.3 | 0.1 | 16.6 | 18.1 | R 4.3 | 0.2 | (s) | 46.3 | R 127.7 | R 100.7 | R 228.4 |
| 2006 | 0.6 | 62.6 | 1.4 | 0.1 | 15.3 | 16.8 | R 3.9 | 0.2 | (s) | 45.5 | R 120.5 | R 97.9 | R 218.3 |
| 2007 | 0.8 | 68.4 | 1.3 | 0.1 | 15.6 | 17.0 | R 4.3 | 0.3 | (s) | 48.0 | R 131.1 | R 102.9 | R 234.0 |
| 2008 | 0.6 | 76.2 | R 1.4 | (s) | 20.6 | 22.0 | R 4.5 | 0.3 | (s) | 48.0 | R 144.0 | R 102.8 | R 246.8 |
| 2009 | 0.6 | 70.6 | 1.1 | 0.1 | 19.8 | 21.0 | 4.3 | 0.4 | 0.1 | 46.8 | 136.1 | 98.5 | 234.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 373 | 28 | 1,046 | 94 | 390 | 178 | 232 | 1,940 | NA | – – | – – | 1,812 | – – | – – | – – |
| 1965 | 211 | 39 | 941 | 54 | 558 | 194 | 135 | 1,882 | NA | – – | – – | 2,797 | – – | – – | – – |
| 1970 | 78 | 57 | 895 | 13 | 803 | 271 | 65 | 2,047 | NA | – – | – – | 3,655 | – – | – – | – – |
| 1975 | 97 | 67 | 722 | 6 | 800 | 323 | 115 | 1,966 | NA | – – | – – | 5,121 | – – | – – | – – |
| 1980 | 71 | 51 | 751 | 5 | 458 | 350 | 79 | 1,642 | NA | – – | – – | 5,502 | – – | – – | – – |
| 1985 | 217 | 48 | 1,167 | 7 | 352 | 237 | 1 | 1,765 | NA | – – | – – | 6,306 | – – | – – | – – |
| 1990 | 196 | 44 | 576 | 38 | 323 | 142 | 30 | 1,108 | 0 | – – | – – | 7,532 | – – | – – | – – |
| 1995 | 78 | 50 | 415 | 3 | 466 | 35 | 0 | 940 | 0 | – – | – – | 8,890 | – – | – – | – – |
| 1996 | 195 | 55 | 356 | 4 | 626 | 244 | 1 | 1,250 | 0 | – – | – – | 8,673 | – – | – – | – – |
| 1997 | 333 | 50 | 320 | 8 | 581 | 445 | 0 | 1,376 | 0 | – – | – – | 8,944 | – – | – – | – – |
| 1998 | 249 | 43 | 463 | 3 | 491 | 470 | 1 | 1,449 | 0 | – – | – – | 9,384 | – – | – – | – – |
| 1999 | 343 | 45 | 487 | 4 | 615 | 433 | 0 | 1,559 | 0 | – – | – – | 9,668 | – – | – – | – – |
| 2000 | 232 | 46 | 481 | 6 | 624 | 533 | 3 | 1,675 | 0 | – – | – – | 9,932 | – – | – – | – – |
| 2001 | 248 | 46 | 544 | 13 | 401 | 547 | 1 | 1,537 | 0 | – – | – – | 10,776 | – – | – – | – – |
| 2002 | 275 | 46 | 454 | 6 | 520 | 640 | 2 | 1,662 | 0 | – – | – – | 11,429 | – – | – – | – – |
| 2003 | 252 | 48 | 677 | 4 | 494 | 653 | 0 | 1,882 | 0 | – – | – – | 11,637 | – – | – – | – – |
| 2004 | 159 | 46 | 466 | 5 | 475 | 1,010 | 0 | 2,002 | 0 | – – | – – | 10,840 | – – | – – | – – |
| 2005 | 252 | 45 | 316 | 15 | 410 | 741 | 3 | 1,532 | 0 | – – | – – | 11,271 | – – | – – | – – |
| 2006 | 276 | 43 | 632 | 4 | 521 | 1,359 | 3 | 2,568 | 0 | – – | – – | 11,660 | – – | – – | – – |
| 2007 | 290 | 46 | 247 | 3 | 531 | 1,609 | 0 | 2,451 | 0 | – – | – – | 12,084 | – – | – – | – – |
| 2008 | 231 | 56 | R 328 | 1 | 699 | 1,483 | 0 | R 2,561 | 0 | – – | – – | 12,178 | – – | – – | – – |
| 2009 | 238 | 57 | 526 | 1 | 1,038 | 1,764 | 0 | 3,373 | 0 | – – | – – | 11,706 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 8.0 | 28.8 | 6.1 | 0.5 | 1.6 | 0.9 | 1.5 | 10.6 | NA | 0.1 | NA | 6.2 | 53.6 | 15.3 | 68.9 |
| 1965 | 4.5 | 39.1 | 5.5 | 0.3 | 2.2 | 1.0 | 0.9 | 9.9 | NA | (s) | NA | 9.5 | 63.0 | 22.8 | 85.8 |
| 1970 | 1.6 | 57.8 | 5.2 | 0.1 | 3.0 | 1.4 | 0.4 | 10.2 | NA | (s) | NA | 12.5 | 82.0 | 30.2 | 112.2 |
| 1975 | 1.8 | 67.5 | 4.2 | (s) | 3.0 | 1.7 | 0.7 | 9.6 | NA | (s) | NA | 17.5 | 96.4 | R 41.9 | R 138.3 |
| 1980 | 1.4 | 50.7 | 4.4 | (s) | 1.7 | 1.8 | 0.5 | 8.4 | NA | 0.3 | NA | 18.8 | 79.6 | R 45.1 | R 124.7 |
| 1985 | 4.6 | 48.2 | 6.8 | (s) | 1.3 | 1.2 | (s) | 9.4 | NA | 0.3 | NA | 21.5 | 75.9 | R 49.3 | R 125.2 |
| 1990 | 4.7 | 44.3 | 3.4 | 0.2 | 1.2 | 0.7 | 0.2 | 5.7 | 0.0 | 0.8 | 0.0 | 25.7 | 71.0 | R 59.0 | R 130.0 |
| 1995 | 1.9 | 50.6 | 2.4 | (s) | 1.7 | 0.2 | 0.0 | 4.4 | 0.0 | 1.0 | 0.1 | 30.3 | 77.9 | R 68.5 | R 146.3 |
| 1996 | 4.8 | 54.9 | 2.1 | (s) | 2.3 | 1.3 | (s) | 5.8 | 0.0 | 1.0 | 0.1 | 29.6 | 85.5 | R 66.9 | R 152.4 |
| 1997 | 7.8 | 50.6 | 1.9 | (s) | 2.1 | 2.3 | 0.0 | 6.5 | 0.0 | 2.8 | 0.2 | 30.5 | 88.5 | R 68.7 | R 157.2 |
| 1998 | 6.1 | 43.5 | 2.7 | (s) | 1.8 | 2.4 | (s) | 7.1 | 0.0 | 1.3 | 0.2 | 32.0 | 80.6 | R 72.2 | R 152.7 |
| 1999 | 8.9 | 45.8 | 2.8 | (s) | 2.2 | 2.3 | 0.0 | 7.5 | 0.0 | 1.0 | 0.2 | 33.0 | 89.5 | R 75.0 | R 164.5 |
| 2000 | 6.1 | 45.8 | 2.8 | (s) | 2.3 | 2.8 | (s) | 8.0 | 0.0 | 1.0 | 0.2 | 33.9 | 88.9 | R 76.6 | R 165.5 |
| 2001 | 5.9 | 46.1 | 3.2 | 0.1 | 1.5 | 2.8 | (s) | 7.7 | 0.0 | 1.1 | 0.2 | 36.8 | 91.0 | R 81.5 | R 172.5 |
| 2002 | 6.7 | 46.6 | 2.6 | (s) | 1.9 | 3.3 | (s) | 8.1 | 0.0 | 1.2 | 0.3 | 39.0 | 94.7 | R 86.4 | R 181.1 |
| 2003 | 6.1 | 48.2 | 3.9 | (s) | 1.8 | 3.4 | 0.0 | 9.5 | 0.0 | 1.5 | 0.3 | 39.7 | 98.0 | R 87.1 | R 185.1 |
| 2004 | 3.7 | 46.2 | 2.7 | (s) | 1.7 | 5.3 | 0.0 | 10.0 | 0.0 | 1.6 | 0.4 | 37.0 | 92.7 | R 81.4 | R 174.0 |
| 2005 | 5.9 | 45.4 | 1.8 | 0.1 | 1.5 | 3.9 | (s) | 7.6 | 0.0 | R 1.6 | 0.5 | 38.5 | R 93.2 | R 83.6 | R 176.8 |
| 2006 | 6.5 | 44.0 | 3.7 | (s) | 1.9 | 7.1 | (s) | 13.0 | 0.0 | R 1.6 | 0.5 | 39.8 | R 98.7 | R 85.5 | R 184.2 |
| 2007 | 6.8 | 46.8 | 1.4 | (s) | 1.9 | 8.4 | 0.0 | 12.1 | 0.0 | R 1.4 | 0.5 | 41.2 | R 103.7 | R 88.4 | R 192.1 |
| 2008 | 5.3 | 56.7 | 1.9 | (s) | 2.5 | 7.7 | 0.0 | 12.5 | 0.0 | R 1.2 | 0.6 | 41.6 | R 112.1 | R 88.9 | R 201.0 |
| 2009 | 5.5 | 57.1 | 3.1 | (s) | 3.7 | 9.2 | 0.0 | 16.2 | 0.0 | 1.3 | 0.6 | 39.9 | 114.4 | 84.1 | 198.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,193 | 43 | 5,536 | 1,098 | 5,797 | 573 | 3,011 | 16,016 | 2 | – – | – – | – – | 2,676 | – – | – – | – – |
| 1965 | 2,464 | 68 | 5,607 | 1,815 | 5,373 | 354 | 3,471 | 16,620 | 2 | – – | – – | – – | 3,719 | – – | – – | – – |
| 1970 | 1,955 | 99 | 5,884 | 2,949 | 5,391 | 261 | 3,913 | 18,398 | 1 | – – | – – | – – | 5,338 | – – | – – | – – |
| 1975 | 1,333 | 121 | 4,670 | 5,593 | 3,791 | 279 | 3,505 | 17,838 | 1 | – – | – – | – – | 6,626 | – – | – – | – – |
| 1980 | 1,505 | 115 | 4,698 | 6,557 | 2,612 | 273 | 7,245 | 21,385 | 1 | – – | – – | – – | 9,318 | – – | – – | – – |
| 1985 | 1,572 | 87 | 4,971 | 4,893 | 1,703 | 179 | 4,008 | 15,754 | 1 | – – | – – | – – | 9,520 | – – | – – | – – |
| 1990 | 2,353 | 90 | 4,807 | 3,087 | 1,072 | 94 | 2,689 | 11,749 | 0 | – – | – – | – – | 11,392 | – – | – – | – – |
| 1995 | 2,761 | 113 | 5,636 | 12,267 | 1,038 | 92 | 2,505 | 21,538 | 0 | – – | – – | – – | 13,771 | – – | – – | – – |
| 1996 | 3,085 | 114 | 6,247 | 4,986 | 1,105 | 93 | 4,515 | 16,947 | 0 | – – | – – | – – | 14,789 | – – | – – | – – |
| 1997 | 3,103 | 107 | 6,475 | 4,399 | 1,092 | 71 | 5,267 | 17,305 | 0 | – – | – – | – – | 15,531 | – – | – – | – – |
| 1998 | 2,832 | 105 | 6,572 | 9,946 | 900 | 88 | 4,917 | 22,423 | 0 | – – | – – | – – | 16,079 | – – | – – | – – |
| 1999 | 2,995 | 101 | 5,915 | 12,589 | 879 | 100 | 5,814 | 25,297 | 0 | – – | – – | – – | 16,499 | – – | – – | – – |
| 2000 | 2,902 | 100 | 6,027 | 13,368 | 784 | 140 | 5,185 | 25,504 | 0 | – – | – – | – – | 17,127 | – – | – – | – – |
| 2001 | 2,814 | 93 | 6,813 | 12,031 | 1,201 | 43 | 4,381 | 24,470 | 0 | – – | – – | – – | 16,238 | – – | – – | – – |
| 2002 | 2,860 | 92 | 6,209 | 13,111 | 1,265 | 60 | 4,895 | 25,540 | 0 | – – | – – | – – | 16,548 | – – | – – | – – |
| 2003 | 2,898 | 94 | 4,583 | 7,863 | 1,323 | 150 | 4,848 | 18,766 | 0 | – – | – – | – – | 16,803 | – – | – – | – – |
| 2004 | 2,925 | 94 | 4,571 | 14,128 | 1,698 | 282 | 5,801 | 26,480 | 0 | – – | – – | – – | 17,437 | – – | – – | – – |
| 2005 | 2,930 | 96 | 4,550 | 15,814 | 1,568 | 191 | 5,793 | 27,915 | 0 | – – | – – | – – | 17,915 | – – | – – | – – |
| 2006 | 3,067 | 101 | 4,418 | 16,355 | 1,702 | 44 | R 4,168 | R 26,687 | 0 | – – | – – | – – | 18,331 | – – | – – | – – |
| 2007 | 3,009 | 141 | 4,683 | 11,945 | 1,394 | 44 | R 3,598 | R 21,664 | 0 | – – | – – | – – | 19,125 | – – | – – | – – |
| 2008 | 2,904 | R 162 | R 4,806 | R 9,960 | 1,102 | 146 | R 3,442 | R 19,457 | 0 | – – | – – | – – | 19,237 | – – | – – | – – |
| 2009 | 2,682 | 165 | 5,629 | 11,074 | 1,155 | 0 | 2,889 | 20,748 | 0 | – – | – – | – – | 18,211 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 51.7 | 44.9 | 32.2 | 4.4 | 30.5 | 3.6 | 19.6 | 90.3 | (s) | 2.8 | NA | NA | 9.1 | 198.8 | 22.6 | 221.4 |
| 1965 | 57.5 | 68.9 | 32.7 | 7.3 | 28.2 | 2.2 | 22.0 | 92.4 | (s) | 2.9 | NA | NA | 12.7 | 234.5 | 30.3 | 264.8 |
| 1970 | 43.0 | 99.9 | 34.3 | 11.1 | 28.3 | 1.6 | 24.8 | 100.2 | (s) | 3.9 | NA | NA | 18.2 | 265.1 | 44.1 | 309.2 |
| 1975 | 28.4 | 122.5 | 27.2 | 20.8 | 19.9 | 1.8 | 21.9 | 91.6 | (s) | 5.1 | NA | NA | 22.6 | 270.2 | R 54.2 | R 324.4 |
| 1980 | 32.4 | 114.9 | 27.4 | 24.1 | 13.7 | 1.7 | 41.8 | 108.7 | (s) | 37.8 | NA | NA | 31.8 | 325.5 | R 76.4 | R 401.9 |
| 1985 | 35.6 | 88.0 | 29.0 | 17.6 | 8.9 | 1.1 | 24.3 | 80.9 | (s) | 44.3 | 4.6 | NA | 32.5 | R 271.2 | R 74.4 | R 345.6 |
| 1990 | 53.1 | 90.9 | 28.0 | 11.2 | 5.6 | 0.6 | 16.6 | 62.0 | 0.0 | 39.9 | 14.0 | 0.0 | 38.9 | R 278.1 | R 89.2 | R 367.3 |
| 1995 | 57.9 | 113.5 | 32.8 | 44.4 | 5.4 | 0.6 | 15.7 | 98.9 | 0.0 | 33.1 | 26.7 | 0.0 | 47.0 | R 353.7 | R 106.1 | R 459.7 |
| 1996 | 65.7 | 114.4 | 36.4 | 18.0 | 5.8 | 0.6 | 26.9 | 87.7 | 0.0 | 40.2 | 26.5 | 0.0 | 50.5 | R 362.7 | R 114.0 | R 476.8 |
| 1997 | 65.0 | 108.1 | 37.7 | 15.9 | 5.7 | 0.4 | 31.8 | 91.6 | 0.0 | 32.0 | 26.3 | 0.0 | 53.0 | R 354.5 | R 119.3 | R 473.8 |
| 1998 | 60.0 | 106.5 | 38.3 | 35.9 | 4.7 | 0.6 | 29.3 | 108.8 | 0.0 | 30.9 | 26.1 | 0.0 | 54.9 | R 363.7 | R 123.6 | R 487.3 |
| 1999 | 63.4 | 103.3 | 34.5 | 45.5 | 4.6 | 0.6 | 35.1 | 120.2 | 0.0 | 31.3 | 27.0 | 0.0 | 56.3 | R 386.2 | R 128.0 | R 514.2 |
| 2000 | 60.9 | 100.6 | 35.1 | 48.2 | 4.1 | 0.9 | 31.1 | 119.4 | 0.0 | 24.9 | 26.9 | 0.0 | 58.4 | R 377.3 | R 132.2 | R 509.5 |
| 2001 | 59.1 | 92.9 | 39.7 | 43.5 | 6.3 | 0.3 | 26.2 | 115.9 | 0.0 | 20.9 | 26.8 | 0.0 | 55.4 | R 357.3 | R 122.8 | R 480.0 |
| 2002 | 58.5 | 92.5 | 36.2 | 47.4 | 6.6 | 0.4 | 29.5 | 120.0 | 0.0 | 23.8 | 26.7 | 0.0 | 56.5 | R 363.9 | R 125.1 | R 489.0 |
| 2003 | 60.2 | 94.1 | 26.7 | 28.5 | 6.9 | 0.9 | 29.2 | 92.2 | 0.0 | 23.0 | 36.0 | 0.0 | 57.3 | R 348.7 | R 125.8 | R 474.4 |
| 2004 | 59.2 | 94.2 | 26.6 | 51.1 | 8.9 | 1.8 | 35.2 | 123.6 | 0.0 | 22.8 | 51.1 | 0.0 | 59.5 | R 397.6 | R 130.9 | R 528.4 |
| 2005 | 59.1 | 96.6 | 26.5 | 57.2 | 8.2 | 1.2 | 35.4 | 128.5 | 0.0 | 24.1 | 64.8 | 0.0 | 61.1 | R 420.8 | R 132.9 | R 553.8 |
| 2006 | 60.8 | 102.3 | 25.7 | 59.0 | 8.9 | 0.3 | R 25.9 | R 119.8 | 0.0 | R 14.4 | 87.4 | 0.0 | 62.5 | R 432.0 | R 134.5 | R 566.4 |
| 2007 | 60.8 | 142.3 | 27.3 | 42.9 | 7.3 | 0.3 | R 22.2 | R 99.9 | 0.0 | R 16.2 | 112.7 | 0.0 | 65.3 | R 481.1 | R 140.0 | R 621.1 |
| 2008 | 57.5 | R 164.1 | R 28.0 | 35.9 | 5.8 | 0.9 | R 21.3 | R 91.8 | 0.0 | R 16.4 | 134.4 | 0.0 | 65.6 | R 513.3 | R 140.5 | R 653.8 |
| 2009 | 52.6 | 165.7 | 32.8 | 39.4 | 6.0 | 0.0 | 17.9 | 96.2 | 0.0 | 18.4 | 175.0 | 0.0 | 62.1 | 551.8 | 130.8 | 682.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 38 | 9 | 366 | 1,711 | 195 | 23 | 516 | 23,488 | 227 | 26,526 | 0 | – – | – – | – – |
| 1965 | 8 | 11 | 358 | 1,991 | 232 | 55 | 480 | 25,224 | 15 | 28,354 | 0 | – – | – – | – – |
| 1970 | 3 | 18 | 256 | 4,339 | 725 | 58 | 480 | 30,039 | 26 | 35,923 | 0 | – – | – – | – – |
| 1975 | (s) | 16 | 191 | 6,851 | 835 | 53 | 501 | 34,929 | 0 | 43,359 | 0 | – – | – – | – – |
| 1980 | 0 | 13 | 184 | 7,924 | 813 | 34 | 522 | 32,432 | 0 | 41,909 | 0 | – – | – – | – – |
| 1985 | 0 | 10 | 83 | 8,094 | 592 | 90 | 475 | 29,525 | 0 | 38,858 | 0 | – – | – – | – – |
| 1990 | 0 | 9 | 99 | 9,352 | 891 | 42 | 534 | 30,470 | (s) | 41,389 | 0 | – – | – – | – – |
| 1995 | 0 | 11 | 72 | 10,762 | 1,046 | 58 | 510 | 33,345 | 0 | 45,793 | 0 | – – | – – | – – |
| 1996 | 0 | 13 | 71 | 12,275 | 819 | 98 | 495 | 34,561 | 0 | 48,318 | 0 | – – | – – | – – |
| 1997 | 0 | 11 | 78 | 11,914 | 793 | 91 | 522 | 34,040 | 0 | 47,439 | 0 | – – | – – | – – |
| 1998 | 0 | 9 | 72 | 12,198 | 1,186 | 21 | 547 | 35,603 | 0 | 49,626 | (s) | – – | – – | – – |
| 1999 | 0 | 8 | 81 | 12,341 | 885 | 4 | 553 | 35,681 | 0 | 49,544 | (s) | – – | – – | – – |
| 2000 | 0 | 8 | 78 | 12,049 | 771 | 9 | 544 | 35,436 | 0 | 48,888 | (s) | – – | – – | – – |
| 2001 | 0 | 9 | 57 | 12,111 | 777 | 82 | 499 | 35,020 | 0 | 48,546 | (s) | – – | – – | – – |
| 2002 | 0 | 11 | 109 | 12,327 | 782 | 10 | 493 | 36,099 | 0 | 49,820 | (s) | – – | – – | – – |
| 2003 | 0 | 10 | 95 | 12,529 | 793 | 48 | 456 | 36,273 | 0 | 50,194 | R 0 | – – | – – | – – |
| 2004 | 0 | 10 | 87 | 14,871 | 910 | 44 | 462 | 36,738 | 0 | 53,110 | R 0 | – – | – – | – – |
| 2005 | 0 | 12 | 139 | 15,113 | 990 | 62 | 459 | 36,906 | 0 | 53,668 | R 0 | – – | – – | – – |
| 2006 | 0 | 13 | 52 | 15,752 | 1,033 | 61 | 447 | 37,368 | 0 | 54,713 | 1 | – – | – – | – – |
| 2007 | 0 | 12 | 45 | 17,272 | 899 | 77 | 462 | 37,248 | 0 | 56,004 | 0 | – – | – – | – – |
| 2008 | 0 | 14 | 77 | R 16,571 | 786 | R 135 | 429 | 36,697 | 0 | R 54,695 | 0 | – – | – – | – – |
| 2009 | 0 | 14 | 92 | 15,580 | 525 | 138 | 386 | 36,779 | 0 | 53,500 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.9 | 9.2 | 1.8 | 10.0 | 1.0 | 0.1 | 3.1 | 123.4 | 1.4 | 140.9 | 0.0 | 151.0 | 0.0 | 151.0 |
| 1965 | 0.2 | 11.2 | 1.8 | 11.6 | 1.3 | 0.2 | 2.9 | 132.5 | 0.1 | 150.4 | 0.0 | 161.8 | 0.0 | 161.8 |
| 1970 | 0.1 | 18.5 | 1.3 | 25.3 | 4.1 | 0.2 | 2.9 | 157.8 | 0.2 | 191.7 | 0.0 | 210.2 | 0.0 | 210.2 |
| 1975 | (s) | 16.2 | 1.0 | 39.9 | 4.7 | 0.2 | 3.0 | 183.5 | 0.0 | 232.3 | 0.0 | 248.5 | 0.0 | 248.5 |
| 1980 | 0.0 | 12.7 | 0.9 | 46.2 | 4.6 | 0.1 | 3.2 | 170.4 | 0.0 | 225.3 | 0.0 | 238.0 | 0.0 | 238.0 |
| 1985 | 0.0 | 10.5 | 0.4 | 47.1 | 3.3 | 0.3 | 2.9 | 155.1 | 0.0 | 209.2 | 0.0 | R 222.3 | 0.0 | R 222.3 |
| 1990 | 0.0 | 9.2 | 0.5 | 54.5 | 5.0 | 0.2 | 3.2 | 160.1 | (s) | 223.5 | 0.0 | R 235.6 | 0.0 | R 235.6 |
| 1995 | 0.0 | 11.1 | 0.4 | 62.7 | 5.9 | 0.2 | 3.1 | 173.9 | 0.0 | 246.2 | 0.0 | 257.3 | 0.0 | 257.3 |
| 1996 | 0.0 | 12.7 | 0.4 | 71.5 | 4.6 | 0.4 | 3.0 | 180.3 | 0.0 | 260.1 | 0.0 | 272.9 | 0.0 | 272.9 |
| 1997 | 0.0 | 11.4 | 0.4 | 69.4 | 4.5 | 0.3 | 3.2 | 177.4 | 0.0 | 255.2 | 0.0 | 266.7 | 0.0 | 266.7 |
| 1998 | 0.0 | 8.9 | 0.4 | 71.1 | 6.7 | 0.1 | 3.3 | 185.6 | 0.0 | 267.1 | (s) | 276.0 | (s) | 276.0 |
| 1999 | 0.0 | 7.9 | 0.4 | 71.9 | 5.0 | (s) | 3.4 | 185.9 | 0.0 | 266.6 | (s) | 274.5 | (s) | 274.5 |
| 2000 | 0.0 | 8.3 | 0.4 | 70.2 | 4.4 | (s) | 3.3 | 184.6 | 0.0 | 262.9 | (s) | 271.3 | (s) | 271.3 |
| 2001 | 0.0 | 9.1 | 0.3 | 70.5 | 4.4 | 0.3 | 3.0 | 182.5 | 0.0 | 261.0 | (s) | 270.1 | (s) | 270.1 |
| 2002 | 0.0 | 11.0 | 0.5 | 71.8 | 4.4 | (s) | 3.0 | 188.0 | 0.0 | 267.8 | (s) | 278.9 | (s) | 278.9 |
| 2003 | 0.0 | 10.0 | 0.5 | 73.0 | 4.5 | 0.2 | 2.8 | 188.9 | 0.0 | 269.8 | R 0.0 | 279.7 | R 0.0 | 279.7 |
| 2004 | 0.0 | 10.3 | 0.4 | 86.6 | 5.2 | 0.2 | 2.8 | 191.6 | 0.0 | 286.8 | R 0.0 | 297.0 | R 0.0 | 297.0 |
| 2005 | 0.0 | 11.7 | 0.7 | 88.0 | 5.6 | 0.2 | 2.8 | 192.6 | 0.0 | 289.9 | R 0.0 | 301.6 | R 0.0 | 301.6 |
| 2006 | 0.0 | 12.7 | 0.3 | 91.8 | 5.9 | 0.2 | 2.7 | 195.0 | 0.0 | 295.8 | (s) | 308.5 | (s) | 308.5 |
| 2007 | 0.0 | 12.4 | 0.2 | 100.6 | 5.1 | 0.3 | 2.8 | 194.4 | 0.0 | 303.4 | 0.0 | 315.9 | 0.0 | 315.9 |
| 2008 | 0.0 | 14.2 | 0.4 | R 96.5 | 4.5 | 0.5 | 2.6 | 191.5 | 0.0 | R 295.9 | 0.0 | R 310.2 | 0.0 | R 310.2 |
| 2009 | 0.0 | 13.9 | 0.5 | 90.8 | 3.0 | 0.5 | 2.3 | 191.9 | 0.0 | 288.9 | 0.0 | 302.9 | 0.0 | 302.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Iowa

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 2,118 | 49 | 39 | 259 | 0 | 298 | 0 | 879 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 2,760 | 52 | 27 | 183 | 0 | 210 | 0 | 926 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 4,030 | 78 | 49 | 327 | 0 | 375 | 0 | 934 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 4,936 | 47 | 214 | 507 | 0 | 722 | 2,291 | 877 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 10,745 | 7 | 63 | 168 | 0 | 231 | 2,563 | 945 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 12,491 | 2 | 2 | 101 | 0 | 103 | 1,927 | 988 | – – | 0 | 0 | 0 | 1,059 | – – |
| 1990 | 15,482 | 4 | 0 | 123 | 0 | 123 | 3,012 | 875 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 17,877 | 5 | 0 | 154 | 0 | 154 | 3,730 | 1,003 | – – | 0 | 0 | (s) | 0 | – – |
| 1996 | 17,994 | 3 | 0 | 140 | 0 | 140 | 3,924 | 935 | – – | 0 | 0 | (s) | 0 | – – |
| 1997 | 18,322 | 4 | 0 | 219 | 0 | 219 | 4,149 | 805 | – – | 0 | 0 | (s) | 165 | – – |
| 1998 | 20,163 | 6 | 0 | 275 | 0 | 275 | 3,768 | 913 | – – | 0 | 0 | (s) | 67 | – – |
| 1999 | 20,206 | 5 | 0 | 308 | 0 | 308 | 3,640 | 946 | – – | 0 | 0 | 326 | 28 | – – |
| 2000 | 21,317 | 5 | 0 | 223 | 0 | 223 | 4,453 | 904 | – – | 0 | 0 | 494 | (s) | – – |
| 2001 | 21,305 | 6 | 0 | 218 | 0 | 218 | 3,853 | 845 | – – | 0 | 0 | 488 | 5 | – – |
| 2002 | 21,504 | 5 | 0 | 136 | 0 | 136 | 4,574 | 946 | – – | 0 | 0 | 919 | 0 | – – |
| 2003 | 21,680 | 4 | 0 | 212 | 0 | 212 | 3,988 | 789 | – – | 0 | 0 | 982 | -1 | – – |
| 2004 | 21,873 | 8 | 0 | 177 | 62 | 239 | 4,929 | 946 | – – | 0 | 0 | 1,050 | -1 | – – |
| 2005 | 21,072 | 21 | 0 | 355 | 0 | 355 | 4,538 | 960 | – – | 0 | 0 | 1,647 | -1 | – – |
| 2006 | 21,236 | 20 | 0 | 270 | 199 | 470 | 5,095 | 909 | – – | 0 | 0 | 2,318 | (s) | – – |
| 2007 | 23,019 | 26 | 0 | 442 | 256 | 699 | 4,519 | 962 | – – | 0 | 0 | 2,757 | (s) | – – |
| 2008 | 24,734 | 18 | 0 | 180 | 152 | 332 | 5,282 | 819 | – – | 0 | 0 | 4,084 | 0 | – – |
| 2009 | 22,607 | 10 | 0 | 128 | 53 | 180 | 4,679 | 971 | – – | 0 | 0 | 7,421 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 44.0 | 50.3 | 0.2 | 1.5 | 0.0 | 1.8 | 0.0 | 9.5 | 0.3 | 0.0 | NA | NA | 0.0 | 105.8 |
| 1965 | 58.6 | 52.8 | 0.2 | 1.1 | 0.0 | 1.2 | 0.0 | 9.7 | 0.3 | 0.0 | NA | NA | 0.0 | 122.6 |
| 1970 | 84.2 | 78.6 | 0.3 | 1.9 | 0.0 | 2.2 | 0.0 | 9.8 | 0.4 | 0.0 | NA | NA | 0.0 | 175.2 |
| 1975 | 100.6 | 47.3 | 1.3 | 3.0 | 0.0 | 4.3 | 25.2 | 9.1 | 0.4 | 0.0 | NA | NA | 0.0 | 187.0 |
| 1980 | 200.2 | 6.9 | 0.4 | 1.0 | 0.0 | 1.4 | 28.0 | 9.8 | 0.3 | 0.0 | NA | NA | 0.0 | 246.6 |
| 1985 | 227.3 | 2.1 | (s) | 0.6 | 0.0 | 0.6 | 20.5 | 10.3 | 0.6 | 0.0 | 0.0 | 0.0 | 3.6 | 264.7 |
| 1990 | 276.0 | 4.2 | 0.0 | 0.7 | 0.0 | 0.7 | 31.9 | 9.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 321.1 |
| 1995 | 312.2 | 4.7 | 0.0 | 0.9 | 0.0 | 0.9 | 39.2 | 10.3 | 0.7 | 0.0 | 0.0 | (s) | 0.0 | 367.0 |
| 1996 | 312.5 | 3.4 | 0.0 | 0.8 | 0.0 | 0.8 | 41.2 | 9.7 | 0.7 | 0.0 | 0.0 | (s) | 0.0 | 367.7 |
| 1997 | 317.9 | 4.2 | 0.0 | 1.3 | 0.0 | 1.3 | 43.5 | 8.2 | 0.7 | 0.0 | 0.0 | (s) | 0.6 | 375.6 |
| 1998 | 358.1 | 6.0 | 0.0 | 1.6 | 0.0 | 1.6 | 39.5 | 9.3 | 0.8 | 0.0 | 0.0 | (s) | 0.2 | 414.2 |
| 1999 | 358.5 | 5.3 | 0.0 | 1.8 | 0.0 | 1.8 | 38.0 | 9.7 | 0.9 | 0.0 | 0.0 | 3.3 | 0.1 | 416.8 |
| 2000 | 378.2 | 4.8 | 0.0 | 1.3 | 0.0 | 1.3 | 46.4 | 9.2 | 0.8 | 0.0 | 0.0 | 5.0 | (s) | 445.2 |
| 2001 | 378.2 | 5.8 | 0.0 | 1.3 | 0.0 | 1.3 | 40.2 | 8.7 | 1.0 | 0.0 | 0.0 | 5.0 | (s) | 439.5 |
| 2002 | 375.4 | 5.3 | 0.0 | 0.8 | 0.0 | 0.8 | 47.8 | 9.6 | 1.0 | 0.0 | 0.0 | 9.3 | 0.0 | 448.5 |
| 2003 | 377.4 | 4.3 | 0.0 | 1.2 | 0.0 | 1.2 | 41.6 | 8.1 | 1.0 | 0.0 | 0.0 | 10.1 | (s) | 443.0 |
| 2004 | 379.9 | 8.3 | 0.0 | 1.0 | 0.4 | 1.4 | 51.4 | 9.5 | 1.0 | 0.0 | 0.0 | 10.5 | (s) | 460.8 |
| 2005 | 364.2 | 21.4 | 0.0 | 2.1 | 0.0 | 2.1 | 47.4 | 9.6 | 1.0 | 0.0 | 0.0 | 16.5 | (s) | 459.1 |
| 2006 | 367.3 | 19.7 | 0.0 | 1.6 | 1.2 | 2.8 | 53.2 | 9.0 | 1.1 | 0.0 | 0.0 | 23.0 | (s) | 473.1 |
| 2007 | 396.8 | 26.2 | 0.0 | 2.6 | 1.5 | 4.1 | 47.4 | 9.5 | 1.5 | 0.0 | 0.0 | 27.2 | (s) | 509.7 |
| 2008 | 421.8 | 17.8 | 0.0 | 1.0 | 0.9 | 2.0 | 55.2 | 8.1 | 1.7 | 0.0 | 0.0 | 40.2 | 0.0 | 545.0 |
| 2009 | 385.9 | 10.1 | 0.0 | 0.7 | 0.3 | 1.1 | 48.9 | 9.5 | 1.5 | 0.0 | 0.0 | 72.4 | 0.0 | 528.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 675 | 361 | 4,739 | 952 | 5,590 | 23,712 | 2,403 | 9,602 | 46,998 | 0 | 20 | NA |
| 1965 | 644 | 443 | 5,257 | 1,053 | 6,521 | 25,525 | 1,066 | 12,322 | 51,744 | 0 | 13 | NA |
| 1970 | 458 | 576 | 7,550 | 1,561 | 8,009 | 28,849 | 1,127 | 10,093 | 57,189 | 0 | 7 | NA |
| 1971 | 459 | 607 | 8,385 | 1,525 | 7,769 | 29,136 | 811 | 10,301 | 57,927 | 0 | 7 | NA |
| 1972 | 531 | 628 | 9,010 | 1,452 | 8,293 | 31,075 | 2,256 | 10,749 | 62,835 | 0 | 5 | NA |
| 1973 | 1,185 | 604 | 10,303 | 1,399 | 8,472 | 31,273 | 2,541 | 12,264 | 66,252 | 0 | 3 | NA |
| 1974 | 1,952 | 587 | 10,778 | 1,404 | 8,439 | 31,000 | 2,791 | 12,079 | 66,491 | 0 | 7 | NA |
| 1975 | 3,117 | 499 | 11,273 | 1,310 | 8,857 | 32,004 | 6,365 | 11,780 | 71,589 | 0 | 5 | NA |
| 1976 | 3,597 | 515 | 12,071 | 1,239 | 9,952 | 33,850 | 6,220 | 11,952 | 75,283 | 0 | 5 | NA |
| 1977 | 4,682 | 507 | 12,456 | 1,426 | 10,087 | 33,273 | 6,282 | 12,943 | 76,466 | 0 | 3 | NA |
| 1978 | 7,469 | 519 | 14,250 | 1,506 | 9,046 | 33,496 | 6,771 | 13,395 | 78,464 | 0 | 5 | NA |
| 1979 | 7,878 | 584 | 19,555 | 1,922 | 9,862 | 31,885 | 4,718 | 13,792 | 81,734 | 0 | 4 | NA |
| 1980 | 10,370 | 488 | 14,764 | 2,466 | 8,404 | 29,584 | 1,498 | 13,173 | 69,890 | 0 | 8 | NA |
| 1981 | 11,684 | 428 | 13,414 | 2,442 | 7,438 | 29,272 | 1,037 | 10,428 | 64,031 | 0 | 8 | 39 |
| 1982 | 11,895 | 401 | 13,814 | 1,834 | 11,948 | 28,588 | 1,028 | 8,712 | 65,923 | 0 | 7 | 18 |
| 1983 | 13,103 | 346 | 14,009 | 1,492 | 12,021 | 28,603 | 1,956 | 8,971 | 67,051 | 0 | 6 | 157 |
| 1984 | 15,565 | 364 | 14,764 | 3,338 | 26,692 | 28,499 | 1,154 | 9,784 | 84,230 | 0 | 7 | 612 |
| 1985 | 14,715 | 355 | 14,902 | 4,424 | 24,510 | 28,209 | 86 | 8,520 | 80,652 | 3,856 | 9 | 529 |
| 1986 | 14,359 | 313 | 14,229 | 7,038 | 16,615 | 28,453 | 487 | 9,786 | 76,608 | 6,959 | 8 | 505 |
| 1987 | 15,194 | 328 | 17,068 | 4,285 | 16,113 | 29,123 | 353 | 10,290 | 77,231 | 6,471 | 9 | 341 |
| 1988 | 14,951 | 353 | 16,751 | 4,176 | 19,029 | 30,819 | 811 | 13,091 | 84,677 | 6,650 | 12 | 294 |
| 1989 | 14,963 | 341 | 16,095 | 3,833 | 18,889 | 29,852 | 367 | 12,012 | 81,049 | 9,709 | 10 | 286 |
| 1990 | 15,175 | 353 | 16,697 | 3,701 | 15,565 | 28,626 | 229 | 12,882 | 77,701 | 7,874 | 13 | 175 |
| 1991 | 14,881 | 371 | 15,624 | 3,296 | 13,293 | 28,041 | 128 | 10,768 | 71,150 | 5,859 | 11 | 170 |
| 1992 | 14,227 | 343 | 14,895 | 4,164 | 16,816 | 27,821 | 178 | 11,429 | 75,303 | 8,491 | 10 | 167 |
| 1993 | 17,386 | 392 | 16,016 | 3,617 | 8,269 | 28,480 | 369 | 10,347 | 67,097 | 7,900 | 5 | 145 |
| 1994 | 17,158 | 416 | 14,687 | 1,981 | 7,754 | 29,073 | 187 | 12,043 | 65,724 | 8,529 | 10 | 137 |
| 1995 | 16,521 | 367 | 18,223 | 2,414 | 4,924 | 29,402 | 31 | 10,945 | 65,938 | 10,062 | 11 | 110 |
| 1996 | 19,084 | 362 | 16,570 | 2,009 | 10,442 | 30,927 | 289 | 12,694 | 72,932 | 8,205 | 11 | 68 |
| 1997 | 17,673 | 338 | 16,375 | 2,131 | 14,557 | 30,695 | 257 | 11,551 | 75,566 | 8,430 | 14 | 68 |
| 1998 | 17,736 | 327 | 15,930 | 2,159 | 14,121 | 32,001 | 269 | 11,353 | 75,833 | 10,411 | 11 | 84 |
| 1999 | 19,003 | 303 | 15,660 | 3,476 | 21,741 | 33,550 | 570 | 11,615 | 86,611 | 9,157 | 12 | 140 |
| 2000 | 20,845 | 312 | 14,849 | 3,234 | 17,401 | 31,894 | 937 | 11,006 | 79,323 | 9,061 | 15 | 62 |
| 2001 | 20,316 | 273 | 15,550 | 2,259 | 11,122 | 30,297 | 1,301 | 13,160 | 73,689 | 10,347 | 26 | 58 |
| 2002 | 22,838 | 305 | 16,359 | 2,135 | 10,659 | 28,571 | 991 | 12,415 | 71,131 | 9,042 | 13 | 705 |
| 2003 | 22,738 | 281 | 16,600 | 3,228 | 16,944 | 32,721 | 2,160 | 12,127 | 83,780 | 8,890 | 12 | 999 |
| 2004 | 22,341 | 257 | 17,155 | 3,104 | 14,808 | 31,815 | 2,184 | 12,739 | 81,806 | 10,133 | 13 | 100 |
| 2005 | 22,251 | 255 | 18,147 | 1,758 | 2,768 | 28,162 | 2,055 | 11,876 | 64,766 | 8,821 | 11 | 747 |
| 2006 | 21,110 | 264 | 18,969 | 1,752 | 1,875 | 31,603 | 619 | R 10,171 | R 64,989 | 9,350 | 10 | 753 |
| 2007 | 23,020 | 287 | 19,391 | 1,543 | 17,592 | 31,979 | 464 | R 10,020 | R 80,989 | 10,369 | 11 | 1,448 |
| 2008 | 21,779 | 283 | R 19,426 | 1,735 | 15,110 | 31,204 | 1,055 | R 8,947 | R 77,477 | 8,497 | 11 | 2,628 |
| 2009 | 20,888 | 284 | 17,939 | 2,447 | 16,277 | 31,536 | 46 | 8,526 | 76,770 | 8,769 | 13 | 2,532 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 15.7 | 373.7 | 27.6 | 5.1 | 22.4 | 124.6 | 15.1 | 58.7 | 253.4 | 642.8 | *373.7* | *124.6* |
| 1965 | 15.3 | 440.8 | 30.6 | 5.7 | 26.2 | 134.1 | 6.7 | 74.8 | 278.0 | 734.1 | *440.8* | *134.1* |
| 1970 | 10.7 | 574.5 | 44.0 | 8.6 | 30.3 | 151.5 | 7.1 | 61.3 | 302.8 | 888.0 | *574.5* | *151.5* |
| 1971 | 10.8 | 605.8 | 48.8 | 8.4 | 29.3 | 153.1 | 5.1 | 62.9 | 307.6 | 924.2 | *605.8* | *153.1* |
| 1972 | 12.4 | 626.9 | 52.5 | 8.0 | 31.2 | 163.2 | 14.2 | 65.5 | 334.6 | 973.9 | *626.9* | *163.2* |
| 1973 | 24.6 | 597.2 | 60.0 | 7.7 | 31.7 | 164.3 | 16.0 | 74.8 | 354.5 | 976.4 | *597.2* | *164.3* |
| 1974 | 39.1 | 578.8 | 62.8 | 7.7 | 31.5 | 162.8 | 17.5 | 73.7 | 356.1 | 974.0 | *578.8* | *162.8* |
| 1975 | 62.3 | 490.7 | 65.7 | 7.2 | 32.9 | 168.1 | 40.0 | 71.7 | 385.6 | 938.6 | *490.7* | *168.1* |
| 1976 | 73.4 | 505.4 | 70.3 | 6.8 | 36.9 | 177.8 | 39.1 | 72.7 | 403.7 | 982.4 | *505.4* | *177.8* |
| 1977 | 89.5 | 497.3 | 72.6 | 7.9 | 37.1 | 174.8 | 39.5 | 78.7 | 410.5 | 997.3 | *497.3* | *174.8* |
| 1978 | 136.8 | 508.0 | 83.0 | 8.4 | 33.2 | 176.0 | 42.6 | 82.0 | 425.1 | 1,069.9 | *508.0* | *176.0* |
| 1979 | 147.5 | 571.3 | 113.9 | 10.7 | 36.3 | 167.5 | 29.7 | 83.9 | 442.0 | 1,160.7 | *571.3* | *167.5* |
| 1980 | 191.6 | 482.0 | 86.0 | 13.8 | 30.9 | 155.4 | 9.4 | 80.2 | 375.7 | 1,049.3 | *482.0* | *155.4* |
| 1981 | 212.9 | 422.6 | 78.1 | 13.6 | 27.1 | 153.8 | 6.5 | 63.7 | 342.8 | 978.3 | *422.6* | *153.8* |
| 1982 | 212.5 | 400.5 | 80.5 | 10.2 | 43.2 | 150.2 | 6.5 | 53.2 | 343.7 | 956.7 | *400.5* | *150.2* |
| 1983 | 231.2 | 345.9 | 81.6 | 8.2 | 43.4 | 150.3 | 12.3 | 54.4 | 350.3 | 927.3 | *345.9* | *150.3* |
| 1984 | 274.8 | 360.8 | 86.0 | 18.7 | 96.1 | 149.7 | 7.3 | 59.2 | 416.9 | 1,052.5 | *360.8* | *149.7* |
| 1985 | 259.5 | 354.8 | 86.8 | 24.8 | 88.3 | 148.2 | 0.5 | 52.0 | 400.7 | 1,014.9 | *354.8* | *148.2* |
| 1986 | 251.7 | 308.0 | 82.9 | 39.7 | 60.5 | 149.5 | 3.1 | 60.6 | 396.1 | 955.8 | *308.0* | *149.5* |
| 1987 | 267.4 | 343.2 | 99.4 | 24.1 | 59.0 | 153.0 | 2.2 | 63.0 | 400.6 | 1,011.2 | *343.2* | *153.0* |
| 1988 | 269.3 | 348.0 | 97.6 | 23.4 | 69.5 | 161.9 | 5.1 | 80.8 | 438.3 | 1,055.5 | *348.0* | *161.9* |
| 1989 | 267.9 | 338.6 | 93.8 | 21.5 | 69.6 | 156.8 | 2.3 | 73.2 | 417.1 | 1,023.6 | *338.6* | *156.8* |
| 1990 | 271.7 | 352.6 | 97.3 | 20.7 | 56.4 | 150.4 | 1.4 | 78.9 | 405.1 | 1,029.5 | *352.6* | *150.4* |
| 1991 | 268.5 | 373.2 | 91.0 | 18.3 | 48.0 | 147.3 | 0.8 | 66.8 | 372.3 | 1,014.0 | *373.2* | *147.3* |
| 1992 | 253.3 | 338.8 | 86.8 | 23.2 | 60.9 | 146.1 | 1.1 | 70.3 | 388.5 | 980.6 | *338.8* | *146.1* |
| 1993 | 302.6 | 386.5 | 93.3 | 20.2 | 29.8 | 149.1 | 2.3 | 64.0 | R 358.8 | 1,047.8 | *386.5* | *149.6* |
| 1994 | 301.0 | 415.6 | 85.6 | 11.0 | 28.2 | 151.6 | 1.2 | 74.8 | 352.3 | 1,068.8 | *415.6* | *152.1* |
| 1995 | 289.7 | 367.7 | 106.2 | 13.7 | 17.8 | 152.9 | 0.2 | 67.7 | 358.5 | 1,016.0 | *367.7* | *153.3* |
| 1996 | 338.3 | 360.9 | 96.5 | 11.4 | 37.7 | 161.1 | 1.8 | 76.7 | R 385.3 | 1,084.5 | *360.9* | *161.3* |
| 1997 | 310.9 | 338.6 | 95.4 | 12.1 | 52.6 | 159.8 | 1.6 | 68.8 | 390.3 | 1,039.8 | *338.6* | *160.0* |
| 1998 | 309.4 | 325.0 | 92.8 | 12.2 | 51.0 | 166.5 | 1.7 | 68.2 | 392.4 | 1,026.9 | *325.0* | *166.8* |
| 1999 | 329.3 | 302.0 | 91.2 | 19.7 | 78.6 | 174.3 | 3.6 | 69.3 | 436.8 | 1,068.1 | *302.0* | *174.8* |
| 2000 | 362.8 | 314.9 | 86.5 | 18.3 | 62.8 | 166.0 | 5.9 | 65.9 | 405.3 | 1,083.0 | *314.9* | *166.2* |
| 2001 | 354.6 | 273.9 | 90.6 | 12.8 | 40.2 | 157.6 | 8.2 | 80.1 | 389.5 | R 1,018.1 | *273.9* | *157.8* |
| 2002 | 391.7 | 307.4 | 95.3 | 12.1 | 38.5 | R 146.4 | 6.2 | 75.5 | R 374.0 | R 1,073.1 | *307.4* | *148.8* |
| 2003 | 389.5 | 284.7 | 96.7 | 18.3 | 61.5 | R 166.9 | 13.6 | 73.3 | R 430.3 | R 1,104.5 | *284.7* | *170.4* |
| 2004 | 385.5 | 260.1 | 99.9 | 17.6 | 53.6 | 165.6 | 13.7 | 77.1 | 427.5 | 1,073.1 | *260.1* | *165.9* |
| 2005 | 379.8 | 258.7 | 105.7 | 10.0 | 10.0 | R 144.4 | 12.9 | 71.1 | R 354.1 | R 992.6 | *258.7* | *147.0* |
| 2006 | 364.2 | 269.3 | 110.5 | 9.9 | 6.8 | R 162.3 | 3.9 | R 61.9 | R 355.3 | R 988.8 | *269.3* | *164.9* |
| 2007 | 396.3 | 291.7 | 113.0 | 8.7 | 63.2 | R 161.9 | 2.9 | R 60.9 | R 410.5 | R 1,098.6 | *291.7* | *166.9* |
| 2008 | 371.8 | 292.5 | R 113.2 | 9.8 | 54.4 | R 153.7 | 6.6 | R 54.1 | R 391.9 | R 1,056.2 | *292.5* | *162.8* |
| 2009 | 356.1 | 289.4 | 104.5 | 13.9 | 57.9 | 155.8 | 0.3 | 51.6 | 384.0 | 1,029.5 | *289.4* | *164.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Kansas (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.2 | 3.9 | NA | NA | 3.9 | 0.0 | NA | NA | 4.1 | -14.6 | 0.0 | 632.3 |
| 1965 | 0.0 | 0.1 | 3.4 | NA | NA | 3.4 | 0.0 | NA | NA | 3.5 | -12.8 | 0.0 | 724.8 |
| 1970 | 0.0 | 0.1 | 3.7 | NA | NA | 3.7 | 0.0 | NA | NA | 3.7 | -17.6 | 0.0 | 874.2 |
| 1971 | 0.0 | 0.1 | 3.9 | NA | NA | 3.9 | 0.0 | NA | NA | 3.9 | -18.5 | 0.0 | 909.6 |
| 1972 | 0.0 | (s) | 5.7 | NA | NA | 5.7 | 0.0 | NA | NA | 5.7 | R -16.9 | 0.0 | R 962.7 |
| 1973 | 0.0 | (s) | 6.0 | NA | NA | 6.0 | 0.0 | NA | NA | 6.0 | R -14.4 | 0.0 | R 968.0 |
| 1974 | 0.0 | 0.1 | 5.8 | NA | NA | 5.8 | 0.0 | NA | NA | 5.9 | R -18.5 | 0.0 | R 961.4 |
| 1975 | 0.0 | (s) | 5.8 | NA | NA | 5.8 | 0.0 | NA | NA | 5.8 | R -18.0 | 0.0 | R 926.4 |
| 1976 | 0.0 | 0.1 | 6.5 | NA | NA | 6.5 | 0.0 | NA | NA | 6.5 | R -15.3 | 0.0 | R 973.7 |
| 1977 | 0.0 | (s) | 6.8 | NA | NA | 6.8 | 0.0 | NA | NA | 6.9 | R -21.5 | 0.0 | R 982.6 |
| 1978 | 0.0 | (s) | 7.5 | NA | NA | 7.5 | 0.0 | NA | NA | 7.5 | R -38.6 | 0.0 | R 1,038.8 |
| 1979 | 0.0 | (s) | 7.9 | NA | NA | 7.9 | 0.0 | NA | NA | 7.9 | R -33.7 | 0.0 | R 1,135.0 |
| 1980 | 0.0 | 0.1 | 9.0 | NA | NA | 9.0 | 0.0 | NA | NA | 9.1 | R -33.2 | 0.0 | R 1,025.2 |
| 1981 | 0.0 | 0.1 | 8.1 | 0.1 | 0.2 | 8.4 | 0.0 | NA | NA | 8.5 | R -31.8 | 0.0 | R 955.0 |
| 1982 | 0.0 | 0.1 | 9.7 | 0.1 | 0.6 | 10.3 | 0.0 | NA | NA | 10.4 | R -15.5 | 0.0 | R 951.6 |
| 1983 | 0.0 | 0.1 | 9.0 | 0.5 | 1.1 | R 10.6 | 0.0 | NA | 0.0 | 10.7 | R -15.0 | 0.0 | R 923.0 |
| 1984 | 0.0 | 0.1 | 11.1 | 2.1 | 1.4 | R 14.6 | 0.0 | 0.0 | (s) | 14.7 | R -41.1 | 0.0 | R 1,026.2 |
| 1985 | 41.0 | 0.1 | 11.5 | 1.8 | 1.4 | 14.8 | 0.0 | 0.0 | (s) | R 14.8 | R -50.2 | 0.0 | R 1,020.5 |
| 1986 | 73.6 | 0.1 | 18.5 | 1.8 | 1.5 | R 21.7 | 0.0 | 0.0 | (s) | R 21.8 | R -71.7 | 0.0 | R 979.6 |
| 1987 | 67.6 | 0.1 | 17.6 | 1.2 | 1.7 | R 20.4 | 0.0 | 0.0 | (s) | R 20.5 | R -78.5 | 0.0 | R 1,020.8 |
| 1988 | 70.5 | 0.1 | 18.9 | 1.0 | 1.7 | R 21.6 | 0.0 | 0.0 | (s) | R 21.7 | R -72.6 | 0.0 | R 1,075.2 |
| 1989 | 102.8 | 0.1 | 15.0 | 1.0 | 1.6 | 17.6 | (s) | (s) | (s) | R 17.7 | R -95.8 | 0.0 | R 1,048.3 |
| 1990 | 83.3 | 0.1 | 11.8 | 0.6 | 1.3 | 13.7 | (s) | (s) | (s) | 13.9 | R -74.2 | 0.0 | R 1,052.4 |
| 1991 | 61.4 | 0.1 | 12.0 | 0.6 | 1.5 | 14.1 | 0.1 | (s) | (s) | 14.3 | R -48.0 | 0.0 | R 1,041.7 |
| 1992 | 88.9 | 0.1 | 12.1 | 0.6 | 1.3 | R 14.0 | 0.1 | (s) | (s) | R 14.2 | R -51.7 | 0.0 | R 1,032.0 |
| 1993 | 83.0 | 0.1 | 10.9 | 0.5 | 1.9 | R 13.3 | 0.1 | (s) | (s) | R 13.5 | R -83.4 | 0.0 | R 1,060.9 |
| 1994 | 89.1 | 0.1 | 10.3 | 0.5 | 2.1 | R 12.8 | 0.1 | (s) | (s) | 13.1 | R -86.9 | 0.0 | R 1,084.1 |
| 1995 | 105.7 | 0.1 | 10.3 | 0.4 | 1.9 | 12.7 | 0.1 | (s) | (s) | 13.0 | R -82.4 | 0.0 | R 1,052.2 |
| 1996 | 86.2 | 0.1 | 10.5 | 0.2 | 0.8 | 11.5 | 0.2 | (s) | 0.0 | 11.8 | R -95.5 | 0.0 | R 1,087.0 |
| 1997 | 88.5 | 0.1 | 8.4 | 0.2 | 1.3 | 10.0 | 0.2 | (s) | 0.0 | 10.4 | R -65.1 | (s) | R 1,073.5 |
| 1998 | 109.2 | 0.1 | 7.7 | 0.3 | 1.5 | 9.5 | 0.2 | (s) | 0.0 | 9.9 | R -75.8 | (s) | R 1,070.2 |
| 1999 | 95.7 | 0.1 | 8.0 | 0.5 | 1.4 | R 9.8 | 0.3 | (s) | 0.0 | R 10.2 | R -84.6 | (s) | R 1,089.4 |
| 2000 | 94.5 | 0.2 | 7.7 | 0.2 | 1.6 | 9.6 | 0.3 | (s) | 0.0 | R 10.0 | R -93.0 | 0.0 | R 1,094.5 |
| 2001 | 108.1 | 0.3 | 8.0 | 0.2 | 1.8 | R 9.9 | 0.3 | (s) | 0.4 | 10.9 | R -97.0 | 0.0 | R 1,040.0 |
| 2002 | 94.4 | 0.1 | 8.1 | 2.4 | 3.8 | R 14.3 | 0.3 | (s) | 4.7 | R 19.5 | R -111.0 | 0.0 | R 1,076.1 |
| 2003 | 92.6 | 0.1 | 8.3 | 3.5 | 5.9 | R 17.7 | 0.4 | (s) | 3.7 | R 22.0 | R -106.8 | 0.0 | R 1,112.2 |
| 2004 | 105.7 | 0.1 | 8.4 | 0.3 | 6.6 | R 15.4 | 0.5 | (s) | 3.6 | R 19.6 | R -105.2 | (s) | R 1,093.2 |
| 2005 | 92.1 | 0.1 | R 7.6 | 2.6 | 7.8 | R 18.0 | 0.5 | (s) | 4.3 | R 22.9 | R -74.4 | (s) | R 1,033.1 |
| 2006 | 97.6 | 0.1 | R 4.8 | 2.6 | 10.2 | R 17.6 | 0.6 | (s) | 9.8 | R 28.1 | R -62.4 | 0.0 | R 1,052.2 |
| 2007 | 108.7 | 0.1 | R 5.2 | 5.0 | 13.4 | R 23.6 | 0.6 | (s) | 11.4 | R 35.8 | R -108.7 | (s) | R 1,134.4 |
| 2008 | 88.8 | 0.1 | R 5.4 | 9.1 | 25.3 | R 39.9 | 0.7 | (s) | 17.3 | R 58.0 | R -79.8 | 0.0 | R 1,123.3 |
| 2009 | 91.7 | 0.1 | 5.2 | 8.8 | 23.1 | 37.1 | 0.8 | (s) | 27.9 | 66.0 | -102.9 | (s) | 1,084.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 240 | 279 | 4,629 | 952 | 5,590 | 23,712 | 2,161 | 9,602 | 46,647 | 0 | – – | – – | – – | – – | 7,019 | – – | – – | – – |
| 1965 | 166 | 330 | 5,186 | 1,053 | 6,521 | 25,525 | 910 | 12,322 | 51,518 | 0 | – – | – – | – – | – – | 9,750 | – – | – – | – – |
| 1970 | 114 | 408 | 7,375 | 1,561 | 8,009 | 28,849 | 743 | 10,093 | 56,629 | 0 | – – | – – | – – | – – | 13,864 | – – | – – | – – |
| 1975 | 134 | 371 | 9,734 | 1,310 | 8,857 | 32,004 | 2,231 | 11,776 | 65,913 | 0 | – – | – – | – – | – – | 17,523 | – – | – – | – – |
| 1980 | 336 | 387 | 14,382 | 2,466 | 8,404 | 29,584 | 1,006 | 13,173 | 69,016 | 0 | – – | – – | – – | – – | 21,840 | – – | – – | – – |
| 1985 | 364 | 334 | 14,707 | 4,424 | 24,510 | 28,209 | 66 | 8,520 | 80,436 | 0 | – – | – – | – – | – – | 23,536 | – – | – – | – – |
| 1990 | 157 | 326 | 16,567 | 3,701 | 15,565 | 28,626 | 208 | 12,882 | 77,549 | 0 | – – | – – | – – | – – | 27,149 | – – | – – | – – |
| 1995 | 175 | 339 | 18,073 | 2,414 | 4,924 | 29,402 | 30 | 10,945 | 65,787 | 0 | – – | – – | – – | – – | 30,357 | – – | – – | – – |
| 2000 | 145 | 279 | 14,580 | 3,234 | 17,401 | 31,894 | 404 | 11,006 | 78,520 | 0 | – – | – – | – – | – – | 35,921 | – – | – – | – – |
| 2001 | 166 | 249 | 15,357 | 2,259 | 11,122 | 30,297 | 325 | 13,160 | 72,519 | 0 | – – | – – | – – | – – | 35,847 | – – | – – | – – |
| 2002 | 178 | 284 | 16,238 | 2,135 | 10,659 | 28,571 | 188 | 12,415 | 70,208 | 0 | – – | – – | – – | – – | 36,714 | – – | – – | – – |
| 2003 | 158 | 267 | 16,453 | 3,228 | 16,944 | 32,721 | 632 | 12,127 | 82,105 | 0 | – – | – – | – – | – – | 36,735 | – – | – – | – – |
| 2004 | 203 | 246 | 17,050 | 3,104 | 14,808 | 31,815 | 674 | 12,739 | 80,191 | 0 | – – | – – | – – | – – | 37,127 | – – | – – | – – |
| 2005 | 205 | 241 | 18,012 | 1,758 | 2,768 | 28,162 | 333 | 11,876 | 62,908 | 0 | – – | – – | – – | – – | 39,024 | – – | – – | – – |
| 2006 | 237 | 242 | 18,847 | 1,752 | 1,875 | 31,603 | 619 | 10,171 | 64,867 | 0 | – – | – – | – – | – – | 39,751 | – – | – – | – – |
| 2007 | 241 | 261 | 19,297 | 1,543 | 17,592 | 31,979 | 464 | 9,644 | 80,519 | 0 | – – | – – | – – | – – | 40,166 | – – | – – | – – |
| 2008 | 162 | 256 | 19,335 | 1,735 | 15,110 | 31,204 | 1,055 | 8,689 | 77,128 | 0 | – – | – – | – – | – – | 39,516 | – – | – – | – – |
| 2009 | 105 | 252 | 17,853 | 2,447 | 16,277 | 31,536 | 46 | 8,258 | 76,417 | 0 | – – | – – | – – | – – | 38,243 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 5.4 | 288.6 | 27.0 | 5.1 | 22.4 | 124.6 | 13.6 | 58.7 | 251.3 | 0.0 | 3.9 | NA | NA | NA | 23.9 | 573.1 | 59.2 | 632.3 |
| 1965 | 3.7 | 328.4 | 30.2 | 5.7 | 26.2 | 134.1 | 5.7 | 74.8 | 276.6 | 0.0 | 3.4 | NA | NA | NA | 33.3 | 645.4 | 79.4 | 724.8 |
| 1970 | 2.4 | 407.0 | 43.0 | 8.6 | 30.3 | 151.5 | 4.7 | 61.3 | 299.4 | 0.0 | 3.7 | NA | NA | NA | 47.3 | 759.7 | 114.4 | 874.2 |
| 1975 | 2.7 | 364.1 | 56.7 | 7.2 | 32.9 | 168.1 | 14.0 | 71.7 | 350.6 | 0.0 | 5.8 | NA | NA | NA | 59.8 | 783.0 | 143.4 | 926.4 |
| 1980 | 7.2 | 385.0 | 83.8 | 13.8 | 30.9 | 155.4 | 6.3 | 80.2 | 370.4 | 0.0 | 9.0 | NA | NA | NA | 74.5 | 846.1 | 179.0 | 1,025.2 |
| 1985 | 7.8 | 334.3 | 85.7 | 24.8 | 88.3 | 148.2 | 0.4 | 52.0 | 399.4 | 0.0 | 11.5 | 1.4 | NA | NA | 80.3 | 836.6 | 183.9 | 1,020.5 |
| 1990 | 3.8 | 325.5 | 96.5 | 20.7 | 56.4 | 150.4 | 1.3 | 78.9 | 404.2 | 0.0 | 11.8 | 1.3 | (s) | (s) | 92.6 | 839.9 | 212.5 | 1,052.4 |
| 1995 | 4.2 | 340.1 | 105.3 | 13.7 | 17.8 | 153.3 | 0.2 | 67.7 | 358.0 | 0.0 | 10.3 | 1.9 | 0.1 | (s) | 103.6 | 818.4 | 233.8 | 1,052.2 |
| 2000 | 3.5 | 281.0 | 84.9 | 18.3 | 62.8 | 166.2 | 2.5 | 65.9 | 400.6 | 0.0 | 7.7 | 1.6 | 0.3 | (s) | 122.6 | 817.3 | 277.2 | 1,094.5 |
| 2001 | 3.9 | 250.4 | 89.5 | 12.8 | 40.2 | 157.8 | 2.0 | 80.1 | 382.5 | 0.0 | 8.0 | 1.8 | 0.3 | (s) | 122.3 | 769.1 | 271.0 | 1,040.0 |
| 2002 | 4.3 | 286.0 | 94.6 | 12.1 | 38.5 | 148.8 | 1.2 | 75.5 | 370.7 | 0.0 | 8.1 | 3.8 | 0.3 | (s) | 125.3 | 798.5 | 277.6 | 1,076.1 |
| 2003 | 3.8 | 270.2 | 95.8 | 18.3 | 61.5 | 170.4 | 4.0 | 73.3 | 423.3 | 0.0 | 8.3 | 5.9 | 0.4 | (s) | 125.3 | 837.3 | 275.0 | 1,112.2 |
| 2004 | 5.0 | 249.6 | 99.3 | 17.6 | 53.6 | 165.9 | 4.2 | 77.1 | 417.8 | 0.0 | 8.4 | 6.6 | 0.5 | (s) | 126.7 | 814.6 | 278.6 | 1,093.2 |
| 2005 | 5.0 | 244.5 | 104.9 | 10.0 | 10.0 | 147.0 | 2.1 | 71.1 | 345.0 | 0.0 | 7.6 | 7.8 | 0.5 | (s) | 133.2 | 743.6 | 289.5 | 1,033.1 |
| 2006 | 5.7 | 246.5 | 109.8 | 9.9 | 6.8 | 164.9 | 3.9 | 61.9 | 357.2 | 0.0 | 4.8 | 10.2 | 0.6 | (s) | 135.6 | 760.6 | 291.6 | 1,052.2 |
| 2007 | 5.8 | 265.6 | 112.4 | 8.7 | 63.2 | 166.9 | 2.9 | 58.6 | 412.8 | 0.0 | 5.2 | 13.4 | 0.6 | (s) | 137.0 | 840.5 | 294.0 | 1,134.4 |
| 2008 | 4.0 | 265.4 | 112.6 | 9.8 | 54.4 | 162.8 | 6.6 | 52.6 | 398.9 | 0.0 | 5.4 | 25.3 | 0.7 | (s) | 134.8 | 834.7 | 288.6 | 1,123.3 |
| 2009 | 2.5 | 256.9 | 104.0 | 13.9 | 57.9 | 164.6 | 0.3 | 50.0 | 390.6 | 0.0 | 5.2 | 23.1 | 0.8 | (s) | 130.5 | 809.7 | 274.6 | 1,084.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 37 | 73 | 53 | 303 | 3,609 | 3,966 | 157 | – – | – – | 2,360 | – – | – – | – – |
| 1965 | 10 | 87 | 50 | 1,285 | 4,179 | 5,515 | 102 | – – | – – | 3,251 | – – | – – | – – |
| 1970 | 6 | 97 | 53 | 116 | 5,052 | 5,221 | 80 | – – | – – | 5,348 | – – | – – | – – |
| 1975 | 0 | 98 | 96 | 60 | 4,778 | 4,934 | 93 | – – | – – | 5,695 | – – | – – | – – |
| 1980 | 1 | 85 | 150 | 5 | 2,181 | 2,335 | 439 | – – | – – | 7,189 | – – | – – | – – |
| 1985 | (s) | 78 | 68 | 27 | 1,538 | 1,633 | 560 | – – | – – | 8,195 | – – | – – | – – |
| 1990 | (s) | 71 | 28 | 11 | 1,238 | 1,277 | 317 | – – | – – | 9,515 | – – | – – | – – |
| 1995 | 5 | 76 | 14 | 13 | 1,538 | 1,565 | 278 | – – | – – | 10,356 | – – | – – | – – |
| 1996 | 9 | 85 | 17 | 19 | 2,064 | 2,101 | 289 | – – | – – | 10,672 | – – | – – | – – |
| 1997 | (s) | 69 | 35 | 12 | 2,494 | 2,541 | 225 | – – | – – | 10,862 | – – | – – | – – |
| 1998 | (s) | 70 | 11 | 18 | 2,657 | 2,686 | 200 | – – | – – | 11,832 | – – | – – | – – |
| 1999 | 1 | 68 | 14 | 346 | 3,499 | 3,859 | 211 | – – | – – | 11,347 | – – | – – | – – |
| 2000 | 1 | 71 | 17 | 20 | 2,720 | 2,757 | 227 | – – | – – | 12,528 | – – | – – | – – |
| 2001 | (s) | 70 | 44 | 14 | 1,959 | 2,017 | 218 | – – | – – | 12,062 | – – | – – | – – |
| 2002 | (s) | 71 | 36 | 10 | 2,356 | 2,401 | 221 | – – | – – | 12,745 | – – | – – | – – |
| 2003 | (s) | 70 | 18 | 11 | 2,553 | 2,582 | 232 | – – | – – | 12,602 | – – | – – | – – |
| 2004 | 0 | 65 | 13 | 10 | 2,332 | 2,355 | 238 | – – | – – | 12,417 | – – | – – | – – |
| 2005 | 0 | 65 | 4 | 10 | 2,244 | 2,257 | R 198 | – – | – – | 13,406 | – – | – – | – – |
| 2006 | (s) | 57 | 3 | 5 | 1,630 | 1,638 | R 181 | – – | – – | 13,503 | – – | – – | – – |
| 2007 | 0 | 63 | 2 | 2 | 2,117 | 2,121 | R 199 | – – | – – | 13,806 | – – | – – | – – |
| 2008 | 0 | 70 | 4 | 2 | 2,744 | 2,749 | R 208 | – – | – – | 13,392 | – – | – – | – – |
| 2009 | 0 | 71 | 4 | 3 | 2,594 | 2,601 | 199 | – – | – – | 13,149 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.8 | 76.1 | 0.3 | 1.7 | 14.5 | 16.5 | 3.1 | NA | NA | 8.1 | 104.6 | 19.9 | 124.5 |
| 1965 | 0.2 | 86.4 | 0.3 | 7.3 | 16.8 | 24.3 | 2.0 | NA | NA | 11.1 | 124.1 | 26.5 | 150.5 |
| 1970 | 0.1 | 97.1 | 0.3 | 0.7 | 19.1 | 20.1 | 1.6 | NA | NA | 18.2 | 137.1 | R 44.1 | 181.3 |
| 1975 | 0.0 | 96.6 | 0.6 | 0.3 | 17.7 | 18.6 | 1.9 | NA | NA | 19.4 | 136.5 | R 46.6 | R 183.1 |
| 1980 | (s) | 84.8 | 0.9 | (s) | 8.0 | 8.9 | 8.8 | NA | NA | 24.5 | 127.0 | R 58.9 | R 186.0 |
| 1985 | (s) | 78.3 | 0.4 | 0.2 | 5.5 | 6.1 | 11.2 | NA | NA | 28.0 | 123.6 | R 64.0 | R 187.6 |
| 1990 | (s) | 71.3 | 0.2 | 0.1 | 4.5 | 4.7 | 6.3 | (s) | (s) | 32.5 | 114.9 | R 74.5 | R 189.3 |
| 1995 | 0.1 | 76.1 | 0.1 | 0.1 | 5.6 | 5.7 | 5.6 | (s) | (s) | 35.3 | 122.9 | R 79.8 | R 202.6 |
| 1996 | 0.2 | 85.1 | 0.1 | 0.1 | 7.5 | 7.7 | 5.8 | (s) | (s) | 36.4 | 135.3 | R 82.3 | R 217.5 |
| 1997 | (s) | 69.6 | 0.2 | 0.1 | 9.0 | 9.3 | 4.5 | (s) | (s) | 37.1 | 120.5 | R 83.4 | R 203.9 |
| 1998 | (s) | 69.8 | 0.1 | 0.1 | 9.6 | 9.8 | 4.0 | (s) | (s) | 40.4 | 124.0 | R 91.0 | R 215.0 |
| 1999 | (s) | 67.8 | 0.1 | 2.0 | 12.7 | 14.7 | 4.2 | (s) | (s) | 38.7 | 125.5 | R 88.0 | R 213.5 |
| 2000 | (s) | 71.1 | 0.1 | 0.1 | 9.8 | 10.0 | 4.5 | (s) | (s) | 42.7 | 128.5 | R 96.7 | R 225.2 |
| 2001 | (s) | 70.5 | 0.3 | 0.1 | 7.1 | 7.4 | 4.4 | (s) | (s) | 41.2 | 123.5 | R 91.2 | R 214.7 |
| 2002 | (s) | 71.5 | 0.2 | 0.1 | 8.5 | 8.8 | 4.4 | (s) | (s) | 43.5 | 128.2 | R 96.4 | R 224.6 |
| 2003 | (s) | 71.2 | 0.1 | 0.1 | 9.3 | 9.4 | 4.6 | 0.1 | (s) | 43.0 | 128.4 | R 94.3 | R 222.7 |
| 2004 | 0.0 | 65.9 | 0.1 | 0.1 | 8.4 | 8.6 | 4.8 | 0.1 | (s) | 42.4 | 121.7 | R 93.2 | R 214.9 |
| 2005 | 0.0 | 65.9 | (s) | 0.1 | 8.1 | 8.2 | R 4.0 | 0.1 | (s) | 45.7 | R 123.8 | R 99.5 | R 223.3 |
| 2006 | (s) | 58.2 | (s) | (s) | 5.9 | 5.9 | R 3.6 | 0.1 | (s) | 46.1 | R 113.9 | R 99.0 | R 212.9 |
| 2007 | 0.0 | 64.2 | (s) | (s) | 7.6 | 7.6 | R 4.0 | 0.1 | (s) | 47.1 | R 123.1 | R 101.0 | R 224.1 |
| 2008 | 0.0 | 72.9 | (s) | (s) | 9.9 | 9.9 | R 4.2 | 0.1 | (s) | 45.7 | R 132.8 | R 97.8 | R 230.6 |
| 2009 | 0.0 | 72.5 | (s) | (s) | 9.2 | 9.3 | 4.0 | 0.1 | (s) | 44.9 | 130.8 | 94.4 | 225.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 25 | 41 | 115 | 87 | 446 | 179 | 47 | 874 | NA | – – | – – | 1,727 | – – | – – | – – |
| 1965 | 7 | 38 | 109 | 367 | 517 | 204 | 19 | 1,215 | NA | – – | – – | 2,597 | – – | – – | – – |
| 1970 | 4 | 53 | 115 | 33 | 624 | 215 | 34 | 1,022 | NA | – – | – – | 3,967 | – – | – – | – – |
| 1975 | 0 | 52 | 209 | 17 | 591 | 268 | 36 | 1,121 | NA | – – | – – | 5,614 | – – | – – | – – |
| 1980 | 4 | 59 | 360 | 10 | 270 | 279 | 0 | 918 | NA | – – | – – | 6,806 | – – | – – | – – |
| 1985 | 1 | 57 | 725 | 10 | 190 | 177 | 0 | 1,102 | NA | – – | – – | 8,174 | – – | – – | – – |
| 1990 | (s) | 56 | 329 | 6 | 153 | 162 | 27 | 677 | 0 | – – | – – | 9,547 | – – | – – | – – |
| 1995 | 33 | 53 | 562 | 6 | 190 | 74 | 12 | 844 | 0 | – – | – – | 10,645 | – – | – – | – – |
| 1996 | 69 | 57 | 554 | 5 | 255 | 99 | 2 | 915 | 0 | – – | – – | 11,388 | – – | – – | – – |
| 1997 | 2 | 41 | 473 | 28 | 308 | 90 | 0 | 899 | 0 | – – | – – | 12,043 | – – | – – | – – |
| 1998 | (s) | 42 | 441 | 9 | 328 | 94 | 79 | 951 | 0 | – – | – – | 12,546 | – – | – – | – – |
| 1999 | 6 | 39 | 474 | 4 | 432 | 61 | 0 | 971 | 0 | – – | – – | 12,258 | – – | – – | – – |
| 2000 | 10 | 40 | 571 | 5 | 336 | 85 | 3 | 1,001 | 0 | – – | – – | 13,171 | – – | – – | – – |
| 2001 | (s) | 38 | 807 | 7 | 242 | 78 | 7 | 1,140 | 0 | – – | – – | 13,215 | – – | – – | – – |
| 2002 | (s) | 39 | 636 | 5 | 291 | 43 | 9 | 984 | 0 | – – | – – | 13,773 | – – | – – | – – |
| 2003 | (s) | 38 | 636 | 5 | 277 | 108 | 0 | 1,026 | 0 | – – | – – | 13,751 | – – | – – | – – |
| 2004 | 0 | 37 | 576 | 8 | 291 | 82 | 0 | 957 | 0 | – – | – – | 13,831 | – – | – – | – – |
| 2005 | 0 | 30 | 244 | 14 | 294 | 74 | 0 | 627 | 0 | – – | – – | 14,453 | – – | – – | – – |
| 2006 | (s) | 28 | 290 | 9 | 138 | 131 | 0 | 567 | 0 | – – | – – | 14,786 | – – | – – | – – |
| 2007 | 0 | 31 | 267 | 4 | 267 | 74 | 0 | 611 | 0 | – – | – – | 15,474 | – – | – – | – – |
| 2008 | 0 | 34 | R 284 | 2 | 462 | 62 | 0 | R 810 | 0 | – – | – – | 15,358 | – – | – – | – – |
| 2009 | 0 | 33 | 318 | 2 | 401 | 75 | (s) | 796 | 0 | – – | – – | 15,007 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.6 | 42.6 | 0.7 | 0.5 | 1.8 | 0.9 | 0.3 | 4.2 | NA | 0.1 | NA | 5.9 | 53.3 | 14.6 | 67.9 |
| 1965 | 0.2 | 38.3 | 0.6 | 2.1 | 2.1 | 1.1 | 0.1 | 6.0 | NA | (s) | NA | 8.9 | 53.3 | 21.2 | 74.5 |
| 1970 | 0.1 | 52.5 | 0.7 | 0.2 | 2.4 | 1.1 | 0.2 | 4.6 | NA | (s) | NA | 13.5 | 70.7 | R 32.7 | 103.5 |
| 1975 | 0.0 | 50.8 | 1.2 | 0.1 | 2.2 | 1.4 | 0.2 | 5.1 | NA | (s) | NA | 19.2 | 75.1 | R 45.9 | R 121.0 |
| 1980 | 0.1 | 58.5 | 2.1 | 0.1 | 1.0 | 1.5 | 0.0 | 4.6 | NA | 0.2 | NA | 23.2 | 86.7 | R 55.8 | R 142.4 |
| 1985 | (s) | 56.5 | 4.2 | 0.1 | 0.7 | 0.9 | 0.0 | 5.9 | NA | 0.3 | NA | 27.9 | 90.6 | R 63.9 | R 154.5 |
| 1990 | (s) | 56.0 | 1.9 | (s) | 0.6 | 0.9 | 0.2 | 3.5 | 0.0 | 0.7 | (s) | 32.6 | 92.8 | R 74.7 | R 167.6 |
| 1995 | 0.8 | 53.3 | 3.3 | (s) | 0.7 | 0.4 | 0.1 | 4.5 | 0.0 | 0.8 | 0.1 | 36.3 | 95.7 | R 82.0 | R 177.7 |
| 1996 | 1.7 | 57.0 | 3.2 | (s) | 0.9 | 0.5 | (s) | 4.7 | 0.0 | 0.8 | 0.1 | 38.9 | 103.2 | R 87.8 | R 191.0 |
| 1997 | (s) | 41.6 | 2.8 | 0.2 | 1.1 | 0.5 | 0.0 | 4.5 | 0.0 | 0.8 | 0.2 | 41.1 | 88.1 | R 92.5 | R 180.6 |
| 1998 | (s) | 41.5 | 2.6 | (s) | 1.2 | 0.5 | 0.5 | 4.8 | 0.0 | 0.7 | 0.2 | 42.8 | 90.0 | R 96.5 | R 186.5 |
| 1999 | 0.1 | 38.8 | 2.8 | (s) | 1.6 | 0.3 | 0.0 | 4.7 | 0.0 | 0.7 | 0.2 | 41.8 | 86.3 | R 95.1 | R 181.4 |
| 2000 | 0.2 | 40.6 | 3.3 | (s) | 1.2 | 0.4 | (s) | 5.0 | 0.0 | 0.7 | 0.2 | 44.9 | 91.8 | R 101.6 | R 193.4 |
| 2001 | (s) | 37.7 | 4.7 | (s) | 0.9 | 0.4 | (s) | 6.1 | 0.0 | 0.8 | 0.2 | 45.1 | 89.9 | R 99.9 | R 189.8 |
| 2002 | (s) | 39.1 | 3.7 | (s) | 1.1 | 0.2 | 0.1 | 5.1 | 0.0 | 0.8 | 0.3 | 47.0 | 92.2 | R 104.1 | R 196.4 |
| 2003 | (s) | 38.3 | 3.7 | (s) | 1.0 | 0.6 | 0.0 | 5.3 | 0.0 | 0.8 | 0.4 | 46.9 | 91.6 | R 102.9 | R 194.6 |
| 2004 | 0.0 | 37.3 | 3.4 | (s) | 1.1 | 0.4 | 0.0 | 4.9 | 0.0 | 0.8 | 0.4 | 47.2 | 90.5 | R 103.8 | R 194.3 |
| 2005 | 0.0 | 30.0 | 1.4 | 0.1 | 1.1 | 0.4 | 0.0 | 3.0 | 0.0 | R 0.6 | 0.5 | 49.3 | R 83.4 | R 107.2 | R 190.7 |
| 2006 | (s) | 28.0 | 1.7 | (s) | 0.5 | 0.7 | 0.0 | 2.9 | 0.0 | R 0.6 | 0.5 | 50.5 | R 82.5 | R 108.5 | R 191.0 |
| 2007 | 0.0 | 31.1 | 1.6 | (s) | 1.0 | 0.4 | 0.0 | 2.9 | 0.0 | R 0.6 | 0.5 | 52.8 | R 88.0 | R 113.2 | R 201.2 |
| 2008 | 0.0 | 34.7 | R 1.7 | (s) | 1.7 | 0.3 | 0.0 | R 3.7 | 0.0 | R 0.7 | 0.6 | 52.4 | R 92.0 | R 112.2 | R 204.2 |
| 2009 | 0.0 | 33.2 | 1.9 | (s) | 1.4 | 0.4 | (s) | 3.7 | 0.0 | 0.7 | 0.7 | 51.2 | 89.4 | 107.7 | 197.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 175 | 121 | 1,405 | 1,321 | 4,557 | 1,924 | 8,535 | 17,742 | 0 | – – | – – | – – | 2,932 | – – | – – | – – |
| 1965 | 148 | 155 | 1,553 | 1,530 | 3,535 | 755 | 9,711 | 17,084 | 0 | – – | – – | – – | 3,902 | – – | – – | – – |
| 1970 | 103 | 184 | 2,515 | 1,985 | 2,777 | 701 | 9,170 | 17,149 | 0 | – – | – – | – – | 4,548 | – – | – – | – – |
| 1975 | 134 | 152 | 3,532 | 3,125 | 2,406 | 2,178 | 11,003 | 22,244 | 0 | – – | – – | – – | 6,214 | – – | – – | – – |
| 1980 | 331 | 191 | 3,476 | 5,844 | 1,198 | 1,004 | 12,334 | 23,856 | 0 | – – | – – | – – | 7,845 | – – | – – | – – |
| 1985 | 363 | 161 | 4,058 | 22,687 | 1,064 | 66 | 7,797 | 35,671 | 0 | – – | – – | – – | 7,167 | – – | – – | – – |
| 1990 | 157 | 158 | 4,545 | 14,032 | 765 | 181 | 12,111 | 31,634 | 0 | – – | – – | – – | 8,087 | – – | – – | – – |
| 1995 | 138 | 175 | 4,818 | 3,140 | 995 | 18 | 10,191 | 19,162 | 0 | – – | – – | – – | 9,356 | – – | – – | – – |
| 1996 | 154 | 158 | 4,825 | 8,100 | 1,021 | 133 | 11,922 | 26,000 | 0 | – – | – – | – – | 9,231 | – – | – – | – – |
| 1997 | 137 | 162 | 5,268 | 11,657 | 1,055 | 168 | 10,660 | 28,807 | 0 | – – | – – | – – | 9,365 | – – | – – | – – |
| 1998 | 109 | 145 | 4,850 | 11,109 | 1,156 | 184 | 10,495 | 27,793 | 0 | – – | – – | – – | 9,762 | – – | – – | – – |
| 1999 | 108 | 128 | 4,824 | 17,786 | 725 | 223 | 10,386 | 33,945 | 0 | – – | – – | – – | 10,215 | – – | – – | – – |
| 2000 | 134 | 139 | 4,478 | 14,315 | 716 | 401 | 10,137 | 30,047 | 0 | – – | – – | – – | 10,222 | – – | – – | – – |
| 2001 | 165 | 116 | 4,902 | 8,865 | 969 | 317 | 12,366 | 27,420 | 0 | – – | – – | – – | 10,569 | – – | – – | – – |
| 2002 | 178 | 138 | 4,470 | 7,962 | 1,017 | 172 | 11,703 | 25,325 | 0 | – – | – – | – – | 10,195 | – – | – – | – – |
| 2003 | 158 | 125 | 4,801 | 14,066 | 1,094 | 624 | 11,482 | 32,067 | 0 | – – | – – | – – | 10,382 | – – | – – | – – |
| 2004 | 203 | 116 | 5,402 | 12,142 | 1,289 | 667 | 12,071 | 31,570 | 0 | – – | – – | – – | 10,879 | – – | – – | – – |
| 2005 | 205 | 118 | 4,936 | 153 | 1,195 | 333 | 11,108 | 17,725 | 0 | – – | – – | – – | 11,165 | – – | – – | – – |
| 2006 | 237 | 132 | 5,498 | 66 | 1,275 | 619 | R 9,422 | R 16,880 | 0 | – – | – – | – – | 11,462 | – – | – – | – – |
| 2007 | 241 | 143 | 4,901 | 15,167 | 1,020 | 464 | R 8,939 | R 30,491 | 0 | – – | – – | – – | 10,885 | – – | – – | – – |
| 2008 | 162 | 129 | R 5,065 | R 11,834 | 800 | 1,055 | R 8,005 | R 26,759 | 0 | – – | – – | – – | 10,766 | – – | – – | – – |
| 2009 | 105 | 125 | 4,719 | 13,213 | 816 | 45 | 7,674 | 26,468 | 0 | – – | – – | – – | 10,087 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 4.0 | 125.7 | 8.2 | 5.3 | 23.9 | 12.1 | 52.5 | 102.0 | 0.0 | 0.7 | NA | NA | 10.0 | 242.3 | 24.7 | 267.1 |
| 1965 | 3.3 | 154.3 | 9.0 | 6.1 | 18.6 | 4.7 | 60.1 | 98.6 | 0.0 | 1.3 | NA | NA | 13.3 | 270.8 | 31.8 | 302.6 |
| 1970 | 2.2 | 184.1 | 14.7 | 7.5 | 14.6 | 4.4 | 56.1 | 97.3 | 0.0 | 2.0 | NA | NA | 15.5 | 301.1 | R 37.5 | 338.7 |
| 1975 | 2.7 | 148.8 | 20.6 | 11.6 | 12.6 | 13.7 | 67.2 | 125.7 | 0.0 | 3.9 | NA | NA | 21.2 | 302.3 | R 50.9 | R 353.2 |
| 1980 | 7.1 | 189.7 | 20.2 | 21.5 | 6.3 | 6.3 | 75.3 | 129.7 | 0.0 | 0.0 | NA | NA | 26.8 | 353.3 | R 64.3 | R 417.6 |
| 1985 | 7.8 | 161.3 | 23.6 | 81.7 | 5.6 | 0.4 | 47.8 | 159.1 | 0.0 | 0.0 | 1.4 | NA | 24.5 | 354.2 | R 56.0 | R 410.2 |
| 1990 | 3.8 | 157.7 | 26.5 | 50.9 | 4.0 | 1.1 | 74.4 | 156.8 | 0.0 | 4.7 | 1.3 | 0.0 | 27.6 | 352.0 | R 63.3 | R 415.3 |
| 1995 | 3.3 | 176.0 | 28.1 | 11.4 | 5.2 | 0.1 | 63.3 | 108.0 | 0.0 | 4.0 | 1.9 | 0.0 | 31.9 | 325.3 | R 72.1 | R 397.3 |
| 1996 | 3.9 | 157.9 | 28.1 | 29.3 | 5.3 | 0.8 | 72.2 | 135.7 | 0.0 | 3.9 | 0.8 | 0.0 | 31.5 | 333.7 | R 71.2 | R 404.9 |
| 1997 | 3.4 | 162.8 | 30.7 | 42.2 | 5.5 | 1.1 | 63.7 | 143.1 | 0.0 | 3.2 | 1.3 | 0.0 | 32.0 | 345.6 | R 71.9 | R 417.5 |
| 1998 | 2.7 | 144.0 | 28.2 | 40.1 | 6.0 | 1.2 | 63.2 | 138.8 | 0.0 | 3.0 | 1.5 | 0.0 | 33.3 | 323.3 | R 75.1 | R 398.4 |
| 1999 | 2.7 | 127.6 | 28.1 | 64.3 | 3.8 | 1.4 | 62.2 | 159.8 | 0.0 | 3.1 | 1.4 | 0.0 | 34.9 | 329.4 | R 79.2 | R 408.6 |
| 2000 | 3.2 | 139.7 | 26.1 | 51.6 | 3.7 | 2.5 | 60.8 | 144.8 | 0.0 | 2.5 | 1.6 | 0.0 | 34.9 | 326.7 | R 78.9 | R 405.6 |
| 2001 | 3.9 | 116.4 | 28.6 | 32.0 | 5.1 | 2.0 | 75.5 | 143.2 | 0.0 | 2.9 | 1.8 | 0.0 | 36.1 | 304.1 | R 79.9 | R 384.0 |
| 2002 | 4.3 | 139.0 | 26.0 | 28.8 | 5.3 | 1.1 | 71.3 | 132.5 | 0.0 | 2.9 | 3.8 | 0.0 | 34.8 | R 317.2 | R 77.1 | R 394.3 |
| 2003 | 3.8 | 126.9 | 28.0 | 51.0 | 5.7 | 3.9 | 69.5 | 158.1 | 0.0 | 2.8 | 5.9 | 0.0 | 35.4 | R 333.0 | R 77.7 | R 410.7 |
| 2004 | 5.0 | 117.4 | 31.5 | 43.9 | 6.7 | 4.2 | 73.2 | 159.5 | 0.0 | 2.8 | 6.6 | 0.0 | 37.1 | R 328.5 | R 81.6 | R 410.2 |
| 2005 | 5.0 | 119.4 | 28.8 | 0.6 | 6.2 | 2.1 | 66.7 | 104.3 | 0.0 | 3.0 | 7.8 | 0.0 | 38.1 | R 277.6 | R 82.8 | R 360.4 |
| 2006 | 5.7 | 134.7 | 32.0 | 0.2 | 6.7 | 3.9 | R 57.6 | R 100.4 | 0.0 | R 0.6 | 10.2 | 0.0 | 39.1 | R 290.7 | R 84.1 | R 374.8 |
| 2007 | 5.8 | 145.1 | 28.5 | 54.5 | 5.3 | 2.9 | R 54.5 | R 145.8 | 0.0 | R 0.6 | 13.4 | 0.0 | 37.1 | R 347.8 | R 79.7 | R 427.4 |
| 2008 | 4.0 | 133.4 | R 29.5 | 42.6 | 4.2 | 6.6 | R 48.6 | R 131.5 | 0.0 | R 0.6 | 25.3 | 0.0 | 36.7 | R 331.6 | R 78.6 | R 410.3 |
| 2009 | 2.5 | 127.3 | 27.5 | 47.0 | 4.3 | 0.3 | 46.6 | 125.7 | 0.0 | 0.6 | 23.1 | 0.0 | 34.4 | 313.6 | 72.4 | 386.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 3 | 43 | 170 | 3,056 | 952 | 215 | 507 | 18,976 | 190 | 24,065 | 0 | – – | – – | – – |
| 1965 | (s) | 50 | 493 | 3,473 | 1,053 | 295 | 467 | 21,786 | 137 | 27,704 | 0 | – – | – – | – – |
| 1970 | (s) | 73 | 326 | 4,691 | 1,561 | 348 | 448 | 25,857 | 8 | 33,238 | 0 | – – | – – | – – |
| 1975 | (s) | 69 | 177 | 5,898 | 1,310 | 364 | 520 | 29,331 | 17 | 37,615 | 0 | – – | – – | – – |
| 1980 | 0 | 52 | 221 | 10,397 | 2,466 | 110 | 603 | 28,107 | 2 | 41,906 | 0 | – – | – – | – – |
| 1985 | 0 | 38 | 137 | 9,856 | 4,424 | 95 | 549 | 26,968 | 0 | 42,031 | 0 | – – | – – | – – |
| 1990 | 0 | 41 | 136 | 11,665 | 3,701 | 142 | 618 | 27,700 | 0 | 43,962 | 0 | – – | – – | – – |
| 1995 | 0 | 35 | 146 | 12,678 | 2,414 | 56 | 589 | 28,333 | 0 | 44,217 | 0 | – – | – – | – – |
| 1996 | 0 | 38 | 177 | 10,998 | 2,009 | 23 | 572 | 29,807 | 0 | 43,586 | 0 | – – | – – | – – |
| 1997 | 0 | 39 | 247 | 10,435 | 2,131 | 97 | 604 | 29,551 | 0 | 43,066 | 0 | – – | – – | – – |
| 1998 | 0 | 33 | 199 | 10,333 | 2,159 | 26 | 633 | 30,751 | 3 | 44,104 | 0 | – – | – – | – – |
| 1999 | 0 | 32 | 240 | 10,054 | 3,476 | 23 | 639 | 32,764 | 8 | 47,203 | 0 | – – | – – | – – |
| 2000 | 0 | 29 | 215 | 9,513 | 3,234 | 30 | 630 | 31,094 | 0 | 44,715 | 0 | – – | – – | – – |
| 2001 | 0 | 26 | 196 | 9,603 | 2,259 | 56 | 577 | 29,249 | 1 | 41,942 | 0 | – – | – – | – – |
| 2002 | 0 | 36 | 127 | 11,097 | 2,135 | 50 | 570 | 27,511 | 7 | 41,498 | 0 | – – | – – | – – |
| 2003 | 0 | 33 | 102 | 10,998 | 3,228 | 47 | 527 | 31,519 | 8 | 46,430 | 0 | – – | – – | – – |
| 2004 | 0 | 29 | 115 | 11,059 | 3,104 | 43 | 534 | 30,445 | 8 | 45,308 | 0 | – – | – – | – – |
| 2005 | 0 | 29 | 214 | 12,827 | 1,758 | 77 | 531 | 26,893 | 0 | 42,300 | 0 | – – | – – | – – |
| 2006 | 0 | 25 | 218 | 13,056 | 1,752 | 40 | 517 | 30,198 | 0 | 45,782 | 0 | – – | – – | – – |
| 2007 | 0 | 25 | 165 | 14,127 | 1,543 | 41 | 534 | 30,885 | 0 | 47,295 | 0 | – – | – – | – – |
| 2008 | 0 | 24 | 184 | R 13,982 | 1,735 | R 70 | 496 | 30,343 | 0 | R 46,810 | 0 | – – | – – | – – |
| 2009 | 0 | 24 | 134 | 12,812 | 2,447 | 69 | 446 | 30,645 | 0 | 46,552 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.1 | 44.3 | 0.9 | 17.8 | 5.1 | 0.9 | 3.1 | 99.7 | 1.2 | 128.6 | 0.0 | 172.9 | 0.0 | 172.9 |
| 1965 | (s) | 49.5 | 2.5 | 20.2 | 5.7 | 1.2 | 2.8 | 114.4 | 0.9 | 147.7 | 0.0 | 197.2 | 0.0 | 197.2 |
| 1970 | (s) | 73.2 | 1.6 | 27.3 | 8.6 | 1.3 | 2.7 | 135.8 | 0.1 | 177.5 | 0.0 | 250.7 | 0.0 | 250.7 |
| 1975 | (s) | 68.0 | 0.9 | 34.4 | 7.2 | 1.4 | 3.2 | 154.1 | 0.1 | 201.1 | 0.0 | 269.1 | 0.0 | 269.1 |
| 1980 | 0.0 | 52.0 | 1.1 | 60.6 | 13.8 | 0.4 | 3.7 | 147.6 | (s) | 227.2 | 0.0 | 279.2 | 0.0 | 279.2 |
| 1985 | 0.0 | 38.1 | 0.7 | 57.4 | 24.8 | 0.3 | 3.3 | 141.7 | 0.0 | 228.3 | 0.0 | 268.2 | 0.0 | 268.2 |
| 1990 | 0.0 | 40.6 | 0.7 | 67.9 | 20.7 | 0.5 | 3.7 | 145.5 | 0.0 | 239.1 | 0.0 | 280.3 | 0.0 | 280.3 |
| 1995 | 0.0 | 34.7 | 0.7 | 73.9 | 13.7 | 0.2 | 3.6 | 147.8 | 0.0 | 239.8 | 0.0 | 274.5 | 0.0 | 274.5 |
| 1996 | 0.0 | 38.1 | 0.9 | 64.1 | 11.4 | 0.1 | 3.5 | 155.5 | 0.0 | 235.4 | 0.0 | 273.5 | 0.0 | 273.5 |
| 1997 | 0.0 | 39.2 | 1.2 | 60.8 | 12.1 | 0.4 | 3.7 | 154.0 | 0.0 | 232.2 | 0.0 | 271.4 | 0.0 | 271.4 |
| 1998 | 0.0 | 32.7 | 1.0 | 60.2 | 12.2 | 0.1 | 3.8 | 160.3 | (s) | 237.7 | 0.0 | 270.4 | 0.0 | 270.4 |
| 1999 | 0.0 | 31.6 | 1.2 | 58.6 | 19.7 | 0.1 | 3.9 | 170.7 | (s) | 254.2 | 0.0 | 285.8 | 0.0 | 285.8 |
| 2000 | 0.0 | 29.6 | 1.1 | 55.4 | 18.3 | 0.1 | 3.8 | 162.0 | 0.0 | 240.8 | 0.0 | 270.3 | 0.0 | 270.3 |
| 2001 | 0.0 | 25.7 | 1.0 | 55.9 | 12.8 | 0.2 | 3.5 | 152.4 | (s) | 225.8 | 0.0 | 251.6 | 0.0 | 251.6 |
| 2002 | 0.0 | 36.4 | 0.6 | 64.6 | 12.1 | 0.2 | 3.5 | 143.3 | (s) | 224.4 | 0.0 | 260.8 | 0.0 | 260.8 |
| 2003 | 0.0 | 33.8 | 0.5 | 64.1 | 18.3 | 0.2 | 3.2 | 164.1 | (s) | 250.4 | 0.0 | 284.2 | 0.0 | 284.2 |
| 2004 | 0.0 | 29.0 | 0.6 | 64.4 | 17.6 | 0.2 | 3.2 | 158.8 | (s) | 244.8 | 0.0 | 273.8 | 0.0 | 273.8 |
| 2005 | 0.0 | 29.2 | 1.1 | 74.7 | 10.0 | 0.3 | 3.2 | 140.3 | 0.0 | 229.6 | 0.0 | 258.8 | 0.0 | 258.8 |
| 2006 | 0.0 | 25.5 | 1.1 | 76.0 | 9.9 | 0.1 | 3.1 | 157.6 | 0.0 | 247.9 | 0.0 | 273.5 | 0.0 | 273.5 |
| 2007 | 0.0 | 25.2 | 0.8 | 82.3 | 8.7 | 0.1 | 3.2 | 161.2 | 0.0 | 256.4 | 0.0 | 281.7 | 0.0 | 281.7 |
| 2008 | 0.0 | R 24.4 | 0.9 | R 81.4 | 9.8 | R 0.3 | 3.0 | 158.3 | 0.0 | R 253.8 | 0.0 | R 278.2 | 0.0 | R 278.2 |
| 2009 | 0.0 | 24.0 | 0.7 | 74.6 | 13.9 | 0.2 | 2.7 | 159.9 | 0.0 | 252.0 | 0.0 | 276.0 | 0.0 | 276.0 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Kansas

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 435 | 82 | 241 | 110 | 0 | 351 | 0 | 20 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 478 | 113 | 156 | 71 | 0 | 226 | 0 | 13 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 344 | 168 | 385 | 175 | 0 | 560 | 0 | 7 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 2,983 | 128 | 4,134 | 1,539 | 4 | 5,676 | 0 | 5 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 10,034 | 101 | 492 | 382 | 0 | 875 | 0 | 8 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 14,351 | 21 | 20 | 195 | 0 | 215 | 3,856 | 9 | – – | 0 | 0 | (s) | 0 | – – |
| 1990 | 15,018 | 27 | 22 | 130 | 0 | 152 | 7,874 | 13 | – – | 0 | 0 | (s) | 0 | – – |
| 1995 | 16,345 | 28 | 1 | 150 | 0 | 151 | 10,062 | 11 | – – | 0 | 0 | (s) | 0 | – – |
| 1996 | 18,852 | 23 | 155 | 176 | 0 | 331 | 8,205 | 11 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 17,534 | 26 | 89 | 163 | 0 | 252 | 8,430 | 14 | – – | 0 | 0 | 0 | (s) | – – |
| 1998 | 17,627 | 37 | 4 | 294 | 0 | 298 | 10,411 | 11 | – – | 0 | 0 | 0 | 4 | – – |
| 1999 | 18,888 | 36 | 339 | 293 | 0 | 632 | 9,157 | 12 | – – | 0 | 0 | 0 | -7 | – – |
| 2000 | 20,699 | 34 | 533 | 269 | 0 | 803 | 9,061 | 15 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 20,150 | 23 | 976 | 193 | 0 | 1,169 | 10,347 | 26 | – – | 0 | 0 | 40 | 0 | – – |
| 2002 | 22,660 | 21 | 802 | 121 | 0 | 923 | 9,042 | 13 | – – | 0 | 0 | 467 | 0 | – – |
| 2003 | 22,580 | 14 | 1,528 | 147 | 0 | 1,675 | 8,890 | 12 | – – | 0 | 0 | 366 | 0 | – – |
| 2004 | 22,139 | 10 | 1,510 | 105 | 0 | 1,615 | 10,133 | 13 | – – | 0 | 0 | 359 | (s) | – – |
| 2005 | 22,046 | 14 | 1,722 | 135 | 0 | 1,857 | 8,821 | 11 | – – | 0 | 0 | 426 | (s) | – – |
| 2006 | 20,874 | 22 | 0 | 122 | 0 | 122 | 9,350 | 10 | – – | 0 | 0 | 992 | 0 | – – |
| 2007 | 22,780 | 26 | 0 | 94 | 376 | 470 | 10,369 | 11 | – – | 0 | 0 | 1,153 | (s) | – – |
| 2008 | 21,616 | 27 | 0 | 91 | 258 | 349 | 8,497 | 11 | – – | 0 | 0 | 1,759 | 0 | – – |
| 2009 | 20,783 | 32 | 0 | 86 | 268 | 353 | 8,769 | 13 | – – | 0 | 0 | 2,863 | (s) | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 10.3 | 85.1 | 1.5 | 0.6 | 0.0 | 2.2 | 0.0 | 0.2 | 0.0 | 0.0 | NA | NA | 0.0 | 97.8 |
| 1965 | 11.6 | 112.4 | 1.0 | 0.4 | 0.0 | 1.4 | 0.0 | 0.1 | 0.0 | 0.0 | NA | NA | 0.0 | 125.5 |
| 1970 | 8.3 | 167.5 | 2.4 | 1.0 | 0.0 | 3.4 | 0.0 | 0.1 | 0.0 | 0.0 | NA | NA | 0.0 | 179.4 |
| 1975 | 59.5 | 126.7 | 26.0 | 9.0 | (s) | 35.0 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 221.2 |
| 1980 | 184.3 | 97.0 | 3.1 | 2.2 | 0.0 | 5.3 | 0.0 | 0.1 | 0.0 | 0.0 | NA | NA | 0.0 | 286.7 |
| 1985 | 251.7 | 20.5 | 0.1 | 1.1 | 0.0 | 1.3 | 41.0 | 0.1 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 314.5 |
| 1990 | 267.9 | 27.1 | 0.1 | 0.8 | 0.0 | 0.9 | 83.3 | 0.1 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 379.4 |
| 1995 | 285.5 | 27.6 | (s) | 0.9 | 0.0 | 0.9 | 105.7 | 0.1 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 419.8 |
| 1996 | 332.5 | 22.7 | 1.0 | 1.0 | 0.0 | 2.0 | 86.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 443.5 |
| 1997 | 307.5 | 25.5 | 0.6 | 1.0 | 0.0 | 1.5 | 88.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 423.1 |
| 1998 | 306.7 | 37.1 | (s) | 1.7 | 0.0 | 1.7 | 109.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 454.8 |
| 1999 | 326.5 | 36.3 | 2.1 | 1.7 | 0.0 | 3.8 | 95.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 462.4 |
| 2000 | 359.3 | 33.9 | 3.4 | 1.6 | 0.0 | 4.9 | 94.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 492.8 |
| 2001 | 350.8 | 23.5 | 6.1 | 1.1 | 0.0 | 7.3 | 108.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 490.3 |
| 2002 | 387.4 | 21.4 | 5.0 | 0.7 | 0.0 | 5.7 | 94.4 | 0.1 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 513.8 |
| 2003 | 385.6 | 14.5 | 9.6 | 0.9 | 0.0 | 10.5 | 92.6 | 0.1 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 507.1 |
| 2004 | 380.5 | 10.5 | 9.5 | 0.6 | 0.0 | 10.1 | 105.7 | 0.1 | 0.0 | 0.0 | 0.0 | 3.6 | (s) | 510.5 |
| 2005 | 374.8 | 14.2 | 10.8 | 0.8 | 0.0 | 11.6 | 92.1 | 0.1 | 0.0 | 0.0 | 0.0 | 4.3 | (s) | 497.1 |
| 2006 | 358.5 | 22.8 | 0.0 | 0.7 | 0.0 | 0.7 | 97.6 | 0.1 | 0.0 | 0.0 | 0.0 | 9.8 | 0.0 | 489.6 |
| 2007 | 390.6 | 26.1 | 0.0 | 0.5 | 2.3 | 2.8 | 108.7 | 0.1 | 0.0 | 0.0 | 0.0 | 11.4 | (s) | 539.7 |
| 2008 | 367.8 | 27.1 | 0.0 | 0.5 | 1.6 | 2.1 | 88.8 | 0.1 | 0.0 | 0.0 | 0.0 | 17.3 | 0.0 | 503.2 |
| 2009 | 353.6 | 32.5 | 0.0 | 0.5 | 1.6 | 2.1 | 91.7 | 0.1 | 0.0 | 0.0 | 0.0 | 27.9 | (s) | 508.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 12,010 | 149 | 4,850 | 497 | 4,152 | 21,535 | 337 | 6,457 | 37,827 | 0 | 2,633 | NA |
| 1965 | 17,585 | 172 | 5,567 | 1,284 | 5,869 | 25,780 | 600 | 10,228 | 49,327 | 0 | 2,464 | NA |
| 1970 | 23,558 | 248 | 8,211 | 3,089 | 9,564 | 33,581 | 1,063 | 14,392 | 69,900 | 0 | 3,174 | NA |
| 1971 | 24,833 | 244 | 7,785 | 2,674 | 9,864 | 35,715 | 659 | 14,241 | 70,937 | 0 | 3,536 | NA |
| 1972 | 26,469 | 255 | 9,569 | 2,207 | 11,412 | 37,567 | 1,192 | 14,664 | 76,611 | 0 | 3,770 | NA |
| 1973 | 25,978 | 245 | 10,740 | 2,367 | 12,277 | 39,362 | 1,110 | 16,460 | 82,316 | 0 | 3,823 | NA |
| 1974 | 27,236 | 228 | 10,416 | 2,035 | 11,929 | 39,541 | 2,060 | 14,960 | 80,940 | 0 | 3,398 | NA |
| 1975 | 25,556 | 208 | 10,924 | 2,150 | 10,977 | 40,816 | 2,169 | 14,435 | 81,471 | 0 | 3,463 | NA |
| 1976 | 27,898 | 246 | 13,649 | 2,159 | 11,330 | 42,834 | 2,457 | 15,175 | 87,604 | 0 | 3,159 | NA |
| 1977 | 27,597 | 220 | 17,049 | 2,224 | 11,616 | 43,935 | 2,831 | 16,477 | 94,132 | 0 | 3,313 | NA |
| 1978 | 27,652 | 213 | 19,099 | 2,558 | 12,254 | 44,928 | 2,436 | 17,202 | 98,479 | 0 | 3,182 | NA |
| 1979 | 26,737 | 219 | 21,290 | 2,569 | 10,761 | 42,570 | 1,365 | 21,360 | 99,915 | 0 | 3,940 | NA |
| 1980 | 27,728 | 202 | 22,906 | 2,897 | 10,223 | 39,829 | 1,012 | 19,666 | 96,533 | 0 | 2,940 | NA |
| 1981 | 28,811 | 199 | 18,192 | 3,230 | 7,924 | 40,181 | 1,139 | 12,129 | 82,794 | 0 | 2,598 | 7 |
| 1982 | 27,279 | 189 | 17,482 | 3,702 | 7,112 | 40,066 | 1,154 | 11,878 | 81,395 | 0 | 3,343 | 45 |
| 1983 | 27,461 | 174 | 20,433 | 4,009 | 7,156 | 40,272 | 1,175 | 11,698 | 84,743 | 0 | 3,244 | 234 |
| 1984 | 28,933 | 189 | 22,853 | 3,261 | 5,782 | 40,786 | 782 | 12,448 | 85,912 | 0 | 3,514 | 736 |
| 1985 | 31,066 | 173 | 22,088 | 3,434 | 5,539 | 39,924 | 622 | 11,767 | 83,374 | 0 | 2,941 | 1,046 |
| 1986 | 32,185 | 167 | 20,584 | 3,549 | 5,118 | 42,518 | 739 | 11,331 | 83,840 | 0 | 2,734 | 1,599 |
| 1987 | 32,085 | 172 | 21,367 | 4,827 | 6,750 | 43,068 | 852 | 12,988 | 89,852 | 0 | 2,948 | 1,845 |
| 1988 | 35,263 | 184 | 25,148 | 4,985 | 6,719 | 44,133 | 569 | 13,560 | 95,114 | 0 | 2,423 | 1,597 |
| 1989 | 32,889 | 189 | 28,907 | 5,071 | 6,329 | 43,428 | 469 | 13,401 | 97,606 | 0 | 4,404 | 1,167 |
| 1990 | 34,449 | 184 | 24,226 | 5,713 | 6,154 | 43,040 | 537 | 13,559 | 93,228 | 0 | 3,160 | 841 |
| 1991 | 34,517 | 187 | 22,533 | 6,368 | 6,709 | 43,766 | 455 | 21,751 | 101,582 | 0 | 3,658 | 826 |
| 1992 | 34,704 | 190 | 25,122 | 6,882 | 6,427 | 44,786 | 417 | 23,866 | 107,501 | 0 | 3,767 | 969 |
| 1993 | 39,095 | 203 | 27,392 | 5,705 | 5,815 | 45,756 | 332 | 22,777 | 107,777 | 0 | 3,155 | 611 |
| 1994 | 38,090 | 208 | 26,186 | 6,343 | 5,673 | 46,180 | 325 | 23,445 | 108,151 | 0 | 4,014 | 258 |
| 1995 | 39,516 | 224 | 27,325 | 6,305 | 5,607 | 48,104 | 201 | 22,569 | 110,110 | 0 | 3,423 | 130 |
| 1996 | 40,862 | 236 | 27,693 | 5,590 | 7,207 | 43,543 | 243 | 31,999 | 116,276 | 0 | 3,497 | 134 |
| 1997 | 41,889 | 228 | 28,052 | 4,558 | 8,757 | 50,174 | 165 | 33,871 | 125,578 | 0 | 3,380 | 159 |
| 1998 | 41,153 | 205 | 28,104 | 5,351 | 7,517 | 50,222 | 55 | 36,359 | 127,608 | 0 | 3,116 | 94 |
| 1999 | 42,378 | 218 | 27,466 | 6,962 | 9,278 | 50,950 | 77 | 38,029 | 132,763 | 0 | 2,557 | 88 |
| 2000 | 42,585 | 225 | 29,641 | 6,651 | 9,959 | 48,912 | 90 | 35,578 | 130,829 | 0 | 2,325 | 67 |
| 2001 | 43,907 | 209 | 30,721 | 6,001 | 9,928 | 51,268 | 143 | 24,921 | 122,982 | 0 | 3,856 | 97 |
| 2002 | 40,920 | 228 | 33,820 | 6,353 | 10,917 | 50,827 | 94 | 31,024 | 133,035 | 0 | 4,025 | 630 |
| 2003 | 40,827 | 223 | 25,934 | 8,046 | 8,830 | 52,702 | 123 | 30,153 | 125,787 | 0 | 3,948 | 1,407 |
| 2004 | 41,874 | 225 | 30,286 | 9,042 | 9,621 | 55,268 | 64 | 34,696 | 138,978 | 0 | 3,780 | 1,229 |
| 2005 | 42,881 | 234 | 31,426 | 8,284 | 9,977 | 53,899 | 140 | 34,370 | 138,095 | 0 | 2,961 | 2,748 |
| 2006 | 44,435 | 211 | 32,777 | 7,105 | 9,754 | 53,898 | 118 | R 33,394 | R 137,045 | 0 | 2,592 | 2,845 |
| 2007 | 43,671 | 230 | 33,482 | 7,979 | 9,841 | 54,131 | 103 | R 30,602 | R 136,138 | 0 | 1,669 | 3,440 |
| 2008 | 44,457 | 225 | R 30,198 | 7,425 | 9,899 | 51,934 | (s) | R 28,231 | R 127,687 | 0 | 1,917 | 4,409 |
| 2009 | 40,992 | 207 | 27,712 | 9,844 | 8,602 | 53,439 | 71 | 25,642 | 125,309 | 0 | 3,318 | 4,867 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 286.7 | 153.8 | 28.2 | 2.7 | 16.7 | 113.1 | 2.1 | 38.4 | 201.3 | 641.8 | *153.8* | *113.1* |
| 1965 | 415.5 | 176.7 | 32.4 | 7.2 | 23.5 | 135.4 | 3.8 | 59.7 | 262.1 | 854.3 | *176.7* | *135.4* |
| 1970 | 527.1 | 252.3 | 47.8 | 17.4 | 36.1 | 176.4 | 6.7 | 84.9 | 369.3 | 1,148.6 | *252.3* | *176.4* |
| 1971 | 550.4 | 248.5 | 45.3 | 15.0 | 37.2 | 187.6 | 4.1 | 84.1 | 373.5 | 1,172.4 | *248.5* | *187.6* |
| 1972 | 583.8 | 259.5 | 55.7 | 12.4 | 42.9 | 197.3 | 7.5 | 86.7 | 402.6 | 1,245.9 | *259.5* | *197.3* |
| 1973 | 573.4 | 250.1 | 62.6 | 13.3 | 46.0 | 206.8 | 7.0 | 97.8 | 433.4 | 1,257.0 | *250.1* | *206.8* |
| 1974 | 593.8 | 231.4 | 60.7 | 11.4 | 44.5 | 207.7 | 13.0 | 88.1 | 425.3 | 1,250.6 | *231.4* | *207.7* |
| 1975 | 558.3 | 209.2 | 63.6 | 12.1 | 40.8 | 214.4 | 13.6 | 85.4 | 429.9 | 1,197.5 | *209.2* | *214.4* |
| 1976 | 617.5 | 248.7 | 79.5 | 12.2 | 42.0 | 225.0 | 15.4 | 89.5 | 463.6 | 1,329.8 | *248.7* | *225.0* |
| 1977 | 613.5 | 221.9 | 99.3 | 12.5 | 42.7 | 230.8 | 17.8 | 97.2 | 500.4 | 1,335.8 | *221.9* | *230.8* |
| 1978 | 617.2 | 215.0 | 111.3 | 14.4 | 45.0 | 236.0 | 15.3 | 101.4 | 523.4 | 1,355.6 | *215.0* | *236.0* |
| 1979 | 609.3 | 220.9 | 124.0 | 14.5 | 39.6 | 223.6 | 8.6 | 124.5 | 534.8 | 1,365.0 | *220.9* | *223.6* |
| 1980 | 641.7 | 204.1 | 133.4 | 16.3 | 37.6 | 209.2 | 6.4 | 113.4 | 516.3 | 1,362.0 | *204.1* | *209.2* |
| 1981 | 663.9 | 202.2 | 106.0 | 18.2 | 28.9 | 211.1 | 7.2 | 72.3 | 443.6 | 1,309.7 | *202.2* | *211.1* |
| 1982 | 627.0 | 191.0 | 101.8 | 20.9 | 25.7 | 210.5 | 7.3 | 71.6 | 437.8 | 1,255.8 | *191.2* | *210.5* |
| 1983 | 637.8 | 177.5 | 119.0 | 22.6 | 25.9 | 211.5 | 7.4 | 69.9 | 456.3 | 1,271.7 | *177.8* | *211.5* |
| 1984 | 671.0 | 193.3 | 133.1 | 18.4 | 20.8 | 214.2 | 4.9 | 73.8 | 465.3 | 1,329.6 | *193.4* | *214.2* |
| 1985 | 716.9 | 177.7 | 128.7 | 19.3 | 20.0 | 209.7 | 3.9 | 70.1 | 451.7 | 1,346.3 | *177.7* | *209.7* |
| 1986 | 749.9 | 173.5 | 119.9 | 20.0 | 18.6 | 223.3 | 4.6 | 68.4 | 455.0 | 1,378.4 | *173.5* | *223.3* |
| 1987 | 746.7 | 178.3 | 124.5 | 27.3 | 24.7 | 226.2 | 5.4 | 78.4 | 486.4 | 1,411.4 | *178.3* | *226.2* |
| 1988 | 821.8 | 190.9 | 146.5 | 28.2 | 24.5 | 231.8 | 3.6 | 81.7 | 516.3 | 1,529.0 | *190.9* | *231.8* |
| 1989 | 767.6 | 195.8 | 168.4 | 28.7 | 23.3 | 228.1 | 3.0 | 80.7 | 532.1 | 1,495.6 | *195.9* | *228.1* |
| 1990 | 803.5 | 191.7 | 141.1 | 32.3 | 22.3 | 226.1 | 3.4 | 81.9 | 507.1 | 1,502.3 | *191.7* | *226.1* |
| 1991 | 802.7 | 196.3 | 131.3 | 36.0 | 24.2 | 229.9 | 2.9 | 125.9 | 550.2 | 1,549.2 | *196.3* | *229.9* |
| 1992 | 812.9 | 200.9 | 146.3 | 38.9 | 23.3 | 235.3 | 2.6 | 137.4 | 583.9 | 1,597.7 | *200.9* | *235.3* |
| 1993 | 921.1 | 213.1 | 159.6 | 32.3 | 21.0 | 238.2 | 2.1 | 131.0 | 584.1 | 1,718.3 | *213.1* | *240.4* |
| 1994 | 896.4 | 221.3 | 152.5 | 35.9 | 20.6 | 240.6 | 2.0 | 135.0 | 586.7 | 1,704.4 | *221.3* | *241.5* |
| 1995 | 929.4 | 245.6 | 159.2 | 35.7 | 20.3 | 250.4 | 1.3 | 130.0 | 596.8 | 1,771.8 | *245.6* | *250.9* |
| 1996 | 952.1 | 248.0 | 161.3 | 31.7 | 26.0 | R 226.7 | 1.5 | 180.3 | R 627.6 | R 1,827.7 | *248.1* | *227.1* |
| 1997 | 977.8 | 239.3 | 163.4 | 25.8 | 31.7 | 261.0 | 1.0 | 191.7 | R 674.7 | 1,891.7 | *239.3* | *261.6* |
| 1998 | 959.0 | 212.1 | 163.7 | 30.3 | 27.2 | 261.4 | 0.3 | 206.7 | R 689.7 | R 1,860.8 | *212.1* | *261.8* |
| 1999 | 987.6 | 225.4 | 160.0 | 39.5 | 33.5 | 265.2 | 0.5 | 216.5 | 715.2 | R 1,928.2 | *225.4* | *265.5* |
| 2000 | 997.6 | 234.2 | 172.7 | 37.7 | 35.9 | 254.6 | 0.6 | 201.7 | 703.1 | 1,934.9 | *234.2* | *254.8* |
| 2001 | 1,013.1 | 216.7 | 179.0 | 34.0 | 35.9 | 266.8 | 0.9 | 147.1 | 663.7 | 1,893.4 | *216.7* | *267.1* |
| 2002 | 950.9 | 236.1 | 197.0 | 36.0 | 39.4 | 262.5 | 0.6 | 183.9 | R 719.5 | R 1,906.6 | *236.1* | *264.7* |
| 2003 | 943.7 | 231.4 | 151.1 | 45.6 | 32.0 | R 269.5 | 0.8 | 178.9 | R 677.9 | R 1,852.9 | *231.5* | *274.4* |
| 2004 | 961.8 | 233.4 | 176.4 | 51.3 | 34.8 | R 284.0 | 0.4 | 205.6 | R 752.4 | R 1,947.5 | *233.4* | *288.2* |
| 2005 | 986.3 | 240.9 | 183.1 | 47.0 | 36.1 | R 271.7 | 0.9 | 204.2 | R 743.0 | R 1,970.1 | *240.9* | *281.2* |
| 2006 | 1,023.3 | 217.2 | 190.9 | 40.3 | 35.2 | R 271.4 | 0.7 | R 199.4 | R 737.9 | R 1,978.3 | *217.2* | *281.2* |
| 2007 | 1,020.7 | 235.9 | 195.0 | 45.2 | 35.3 | R 270.6 | 0.7 | R 182.6 | R 729.4 | R 1,986.0 | *236.0* | *282.5* |
| 2008 | 1,024.8 | 233.2 | R 175.9 | 42.1 | 35.6 | R 255.7 | (s) | R 168.3 | R 677.6 | R 1,935.6 | *233.2* | *271.0* |
| 2009 | 937.1 | 214.0 | 161.4 | 55.8 | 30.6 | 262.0 | 0.4 | 153.0 | 663.2 | 1,814.3 | *214.0* | *278.8* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 28.3 | 22.4 | NA | NA | 22.4 | 0.0 | NA | NA | 50.8 | 131.5 | 0.0 | 824.1 |
| 1965 | 0.0 | 25.8 | 21.7 | NA | NA | 21.7 | 0.0 | NA | NA | 47.4 | R 4.1 | 0.0 | 905.9 |
| 1970 | 0.0 | 33.3 | 23.7 | NA | NA | 23.7 | 0.0 | NA | NA | 57.0 | R -89.3 | 0.0 | R 1,116.4 |
| 1971 | 0.0 | 37.1 | 24.9 | NA | NA | 24.9 | 0.0 | NA | NA | 61.9 | R -104.1 | 0.0 | R 1,130.2 |
| 1972 | 0.0 | 39.1 | 27.4 | NA | NA | 27.4 | 0.0 | NA | NA | 66.6 | R -94.8 | 0.0 | R 1,217.7 |
| 1973 | 0.0 | 39.7 | 27.9 | NA | NA | 27.9 | 0.0 | NA | NA | 67.6 | R -71.6 | 0.0 | R 1,253.0 |
| 1974 | 0.0 | 35.5 | 31.2 | NA | NA | 31.2 | 0.0 | NA | NA | 66.7 | R -72.3 | 0.0 | R 1,244.9 |
| 1975 | 0.0 | 36.0 | 30.8 | NA | NA | 30.8 | 0.0 | NA | NA | 66.9 | R 28.5 | 0.0 | R 1,292.9 |
| 1976 | 0.0 | 32.8 | 35.3 | NA | NA | 35.3 | 0.0 | NA | NA | 68.1 | R 20.0 | 0.0 | R 1,417.9 |
| 1977 | 0.0 | 34.6 | 29.6 | NA | NA | 29.6 | 0.0 | NA | NA | 64.1 | R 36.4 | 0.0 | R 1,436.3 |
| 1978 | 0.0 | 33.0 | 37.6 | NA | NA | 37.6 | 0.0 | NA | NA | 70.5 | R -0.3 | 0.0 | R 1,425.8 |
| 1979 | 0.0 | 40.8 | 41.7 | NA | NA | 41.7 | 0.0 | NA | NA | 82.5 | R 17.8 | 0.0 | R 1,465.3 |
| 1980 | 0.0 | 30.5 | 25.3 | NA | NA | 25.3 | 0.0 | NA | NA | 55.8 | R -14.6 | 0.0 | R 1,403.2 |
| 1981 | 0.0 | 27.2 | 28.0 | (s) | 0.0 | 28.0 | 0.0 | NA | NA | 55.2 | R -56.9 | 0.0 | R 1,308.0 |
| 1982 | 0.0 | 34.9 | 34.4 | 0.2 | 0.0 | 34.6 | 0.0 | NA | NA | 69.5 | R -55.3 | 0.0 | R 1,270.0 |
| 1983 | 0.0 | 34.1 | 30.9 | 0.8 | 0.0 | 31.7 | 0.0 | NA | 0.0 | 65.8 | R -54.2 | 0.0 | R 1,283.3 |
| 1984 | 0.0 | 36.7 | 38.0 | 2.6 | 0.0 | 40.6 | 0.0 | 0.0 | 0.0 | 77.3 | R -24.1 | 0.0 | R 1,382.8 |
| 1985 | 0.0 | 30.7 | 38.8 | 3.6 | 0.0 | R 42.4 | 0.0 | 0.0 | 0.0 | R 73.2 | R -82.4 | 0.0 | R 1,337.0 |
| 1986 | 0.0 | 28.6 | 34.7 | 5.5 | 0.0 | R 40.3 | 0.0 | 0.0 | 0.0 | R 68.8 | R -138.1 | 0.0 | R 1,309.2 |
| 1987 | 0.0 | 30.7 | 29.7 | 6.4 | 0.0 | R 36.1 | 0.0 | 0.0 | 0.0 | R 66.8 | R -132.4 | 0.0 | R 1,345.8 |
| 1988 | 0.0 | 25.0 | 31.4 | 5.5 | 0.0 | R 37.0 | 0.0 | 0.0 | 0.0 | R 62.0 | R -167.2 | 0.0 | R 1,423.7 |
| 1989 | 0.0 | 45.9 | 26.9 | 4.1 | 0.0 | R 30.9 | 0.2 | (s) | 0.0 | R 77.1 | R -59.1 | 0.0 | R 1,513.6 |
| 1990 | 0.0 | 32.9 | 17.4 | 2.9 | 0.0 | R 20.3 | 0.2 | (s) | 0.0 | R 53.4 | R -60.4 | 0.0 | R 1,495.3 |
| 1991 | 0.0 | 38.2 | 18.2 | 2.9 | 0.0 | 21.1 | 0.3 | (s) | 0.0 | R 59.5 | R -46.6 | 0.0 | R 1,562.1 |
| 1992 | 0.0 | 39.0 | 18.8 | 3.4 | 0.0 | R 22.1 | 0.3 | (s) | 0.0 | R 61.4 | R -30.8 | 0.0 | R 1,628.2 |
| 1993 | 0.0 | 32.5 | 15.2 | 2.1 | 0.0 | 17.3 | 0.3 | (s) | 0.0 | R 50.1 | R -99.1 | 0.0 | R 1,669.4 |
| 1994 | 0.0 | 41.4 | 14.9 | 0.9 | 0.0 | 15.8 | 0.4 | (s) | 0.0 | 57.6 | R -49.7 | 0.0 | R 1,712.3 |
| 1995 | 0.0 | 35.3 | 15.5 | 0.4 | 0.0 | R 15.9 | 0.4 | (s) | 0.0 | 51.7 | R -41.2 | 0.0 | R 1,782.2 |
| 1996 | 0.0 | 36.2 | 18.5 | 0.5 | 0.0 | 19.0 | 0.4 | (s) | 0.0 | 55.6 | R -38.7 | 0.0 | R 1,844.5 |
| 1997 | 0.0 | 34.5 | 13.0 | 0.6 | 0.0 | 13.5 | 0.5 | (s) | 0.0 | 48.5 | R -72.7 | 0.0 | R 1,867.5 |
| 1998 | 0.0 | 31.8 | 11.1 | 0.3 | 0.0 | 11.5 | 0.6 | (s) | 0.0 | 43.8 | R -83.9 | 0.0 | R 1,820.7 |
| 1999 | 0.0 | 26.1 | 11.6 | 0.3 | 0.0 | 11.9 | 0.6 | (s) | 0.0 | R 38.6 | R -64.8 | 0.0 | R 1,902.0 |
| 2000 | 0.0 | 23.7 | 11.9 | 0.2 | 0.0 | 12.1 | 0.6 | (s) | 0.0 | 36.4 | R -91.2 | 0.0 | R 1,880.1 |
| 2001 | 0.0 | 39.8 | 12.7 | 0.3 | 0.0 | 13.0 | 0.7 | (s) | 0.0 | 53.5 | R -112.3 | 0.0 | R 1,834.6 |
| 2002 | 0.0 | 40.9 | 21.2 | 2.2 | 0.0 | R 23.3 | 0.7 | (s) | 0.0 | R 65.0 | R -29.9 | 0.0 | R 1,941.7 |
| 2003 | 0.0 | 40.4 | 24.6 | 4.9 | 0.0 | R 29.5 | 1.0 | (s) | 0.0 | R 70.9 | R -34.5 | 0.0 | R 1,889.3 |
| 2004 | 0.0 | 37.9 | 26.4 | 4.3 | 1.5 | R 32.1 | 1.1 | (s) | 0.0 | R 71.1 | R -38.1 | 0.0 | R 1,980.6 |
| 2005 | 0.0 | 29.6 | R 32.6 | 9.5 | 1.4 | R 43.5 | 1.2 | (s) | 0.0 | R 74.4 | R -45.6 | (s) | R 1,998.9 |
| 2006 | 0.0 | 25.7 | R 30.6 | 9.9 | 1.7 | R 42.2 | 1.4 | R (s) | 0.0 | R 69.4 | R -84.8 | 0.0 | R 1,962.9 |
| 2007 | 0.0 | 16.5 | R 32.7 | 11.9 | 2.1 | R 46.7 | 1.6 | 0.1 | 0.0 | R 64.8 | R -33.1 | 0.0 | R 2,017.7 |
| 2008 | 0.0 | 18.9 | R 31.9 | 15.3 | 2.0 | R 49.2 | 1.9 | 0.1 | 0.0 | R 70.0 | R -29.1 | 0.0 | R 1,976.5 |
| 2009 | 0.0 | 32.4 | 26.6 | 16.8 | 2.0 | 45.4 | 2.3 | 0.1 | 0.0 | 80.1 | -17.8 | 0.0 | 1,876.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 4,545 | 146 | 4,849 | 497 | 4,152 | 21,535 | 328 | 6,457 | 37,817 | 0 | – – | – – | – – | – – | 28,168 | – – | – – | – – |
| 1965 | 5,375 | 171 | 5,567 | 1,284 | 5,869 | 25,780 | 586 | 10,228 | 49,313 | 0 | – – | – – | – – | – – | 26,821 | – – | – – | – – |
| 1970 | 4,860 | 240 | 8,208 | 3,089 | 9,564 | 33,581 | 942 | 14,392 | 69,776 | 0 | – – | – – | – – | – – | 31,038 | – – | – – | – – |
| 1975 | 3,190 | 207 | 10,917 | 2,150 | 10,977 | 40,816 | 2,068 | 14,435 | 81,363 | 0 | – – | – – | – – | – – | 47,081 | – – | – – | – – |
| 1980 | 3,345 | 200 | 22,679 | 2,897 | 10,223 | 39,829 | 1,012 | 19,666 | 96,306 | 0 | – – | – – | – – | – – | 49,787 | – – | – – | – – |
| 1985 | 3,981 | 171 | 21,818 | 3,434 | 5,539 | 39,924 | 622 | 11,767 | 83,104 | 0 | – – | – – | – – | – – | 50,568 | – – | – – | – – |
| 1990 | 3,582 | 184 | 24,014 | 5,713 | 6,154 | 43,040 | 537 | 13,559 | 93,016 | 0 | – – | – – | – – | – – | 61,097 | – – | – – | – – |
| 1995 | 3,809 | 223 | 27,042 | 6,305 | 5,607 | 48,104 | 201 | 22,569 | 109,828 | 0 | – – | – – | – – | – – | 74,548 | – – | – – | – – |
| 2000 | 2,405 | 221 | 29,331 | 6,651 | 9,959 | 48,912 | 90 | 35,578 | 130,520 | 0 | – – | – – | – – | – – | 78,316 | – – | – – | – – |
| 2001 | 2,602 | 205 | 30,496 | 6,001 | 9,928 | 51,268 | 143 | 24,921 | 122,757 | 0 | – – | – – | – – | – – | 79,975 | – – | – – | – – |
| 2002 | 2,315 | 214 | 33,485 | 6,353 | 10,917 | 50,827 | 94 | 24,110 | 125,786 | 0 | – – | – – | – – | – – | 87,267 | – – | – – | – – |
| 2003 | 2,306 | 220 | 25,624 | 8,046 | 8,830 | 52,702 | 123 | 24,401 | 119,725 | 0 | – – | – – | – – | – – | 85,220 | – – | – – | – – |
| 2004 | 2,532 | 221 | 30,031 | 9,042 | 9,621 | 55,268 | 64 | 27,600 | 131,627 | 0 | – – | – – | – – | – – | 86,521 | – – | – – | – – |
| 2005 | 2,529 | 217 | 31,196 | 8,284 | 9,977 | 53,899 | 140 | 27,224 | 130,719 | 0 | – – | – – | – – | – – | 89,351 | – – | – – | – – |
| 2006 | 2,497 | 199 | 32,584 | 7,105 | 9,754 | 53,898 | 118 | 26,832 | 130,290 | 0 | – – | – – | – – | – – | 88,743 | – – | – – | – – |
| 2007 | 2,607 | 210 | 33,240 | 7,979 | 9,841 | 54,131 | 103 | 25,278 | 130,572 | 0 | – – | – – | – – | – – | 92,404 | – – | – – | – – |
| 2008 | 2,266 | 216 | 29,942 | 7,425 | 9,899 | 51,934 | (s) | 22,756 | 121,956 | 0 | – – | – – | – – | – – | 93,428 | – – | – – | – – |
| 2009 | 1,721 | 198 | 27,431 | 9,844 | 8,602 | 53,439 | 71 | 21,888 | 121,275 | 0 | – – | – – | – – | – – | 88,809 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 115.2 | 151.4 | 28.2 | 2.7 | 16.7 | 113.1 | 2.1 | 38.4 | 201.2 | 0.0 | 22.4 | NA | NA | NA | 96.1 | 586.4 | 237.7 | 824.1 |
| 1965 | 136.0 | 176.3 | 32.4 | 7.2 | 23.5 | 135.4 | 3.7 | 59.7 | 262.0 | 0.0 | 21.7 | NA | NA | NA | 91.5 | 687.4 | 218.5 | 905.9 |
| 1970 | 118.5 | 243.6 | 47.8 | 17.4 | 36.1 | 176.4 | 5.9 | 84.9 | 368.5 | 0.0 | 23.7 | NA | NA | NA | 105.9 | 860.2 | 256.2 | 1,116.4 |
| 1975 | 77.9 | 208.9 | 63.6 | 12.1 | 40.8 | 214.4 | 13.0 | 85.4 | 429.3 | 0.0 | 30.8 | NA | NA | NA | 160.6 | 907.5 | 385.3 | 1,292.9 |
| 1980 | 82.9 | 202.2 | 132.1 | 16.3 | 37.6 | 209.2 | 6.4 | 113.4 | 515.0 | 0.0 | 25.3 | NA | NA | NA | 169.9 | 995.2 | 408.1 | 1,403.2 |
| 1985 | 100.2 | 176.5 | 127.1 | 19.3 | 20.0 | 209.7 | 3.9 | 70.1 | 450.1 | 0.0 | 38.8 | 0.0 | NA | NA | 172.5 | 941.8 | 395.2 | 1,337.0 |
| 1990 | 90.8 | 191.4 | 139.9 | 32.3 | 22.3 | 226.1 | 3.4 | 81.9 | 505.9 | 0.0 | 17.4 | 0.0 | 0.2 | (s) | 208.5 | 1,017.0 | 478.3 | 1,495.3 |
| 1995 | 97.5 | 244.7 | 157.5 | 35.7 | 20.3 | 250.9 | 1.3 | 130.0 | 595.6 | 0.0 | 15.5 | 0.0 | 0.4 | (s) | 254.4 | 1,208.0 | 574.2 | 1,782.2 |
| 2000 | 64.6 | 229.9 | 170.9 | 37.7 | 35.9 | 254.8 | 0.6 | 201.7 | 701.6 | 0.0 | 11.9 | 0.0 | 0.6 | (s) | 267.2 | 1,275.8 | 604.4 | 1,880.1 |
| 2001 | 69.0 | 212.2 | 177.6 | 34.0 | 35.9 | 267.1 | 0.9 | 147.1 | 662.7 | 0.0 | 12.7 | 0.0 | 0.7 | (s) | 272.9 | 1,230.0 | 604.6 | 1,834.6 |
| 2002 | 62.0 | 222.1 | 195.1 | 36.0 | 39.4 | 264.7 | 0.6 | 142.3 | 678.1 | 0.0 | 21.2 | 0.0 | 0.7 | (s) | 297.8 | 1,281.8 | 659.8 | 1,941.7 |
| 2003 | 61.1 | 227.7 | 149.3 | 45.6 | 32.0 | 274.4 | 0.8 | 144.2 | 646.3 | 0.0 | 24.6 | 0.0 | 1.0 | (s) | 290.8 | 1,251.5 | 637.9 | 1,889.3 |
| 2004 | 67.0 | 228.4 | 174.9 | 51.3 | 34.8 | 288.2 | 0.4 | 162.8 | 712.5 | 0.0 | 25.6 | 1.5 | 1.1 | (s) | 295.2 | 1,331.3 | 649.3 | 1,980.6 |
| 2005 | 65.4 | 223.1 | 181.7 | 47.0 | 36.1 | 281.2 | 0.9 | 161.2 | 708.1 | 0.0 | 31.8 | 1.4 | 1.2 | (s) | 304.9 | 1,336.0 | 662.9 | 1,998.9 |
| 2006 | 64.8 | 204.5 | 189.8 | 40.3 | 35.2 | 281.2 | 0.7 | 159.9 | 707.1 | 0.0 | 29.6 | 1.7 | 1.4 | (s) | 302.8 | 1,311.9 | 650.9 | 1,962.9 |
| 2007 | 67.0 | 216.1 | 193.6 | 45.2 | 35.3 | 282.5 | 0.7 | 150.5 | 707.9 | 0.0 | 31.6 | 2.1 | 1.6 | 0.1 | 315.3 | 1,341.4 | 676.3 | 2,017.7 |
| 2008 | 59.1 | 223.4 | 174.4 | 42.1 | 35.6 | 271.0 | (s) | 135.3 | 658.4 | 0.0 | 30.7 | 2.0 | 1.9 | 0.1 | 318.8 | 1,294.2 | 682.3 | 1,976.5 |
| 2009 | 44.7 | 205.4 | 159.8 | 55.8 | 30.6 | 278.8 | 0.4 | 130.3 | 655.8 | 0.0 | 25.7 | 2.0 | 2.3 | 0.1 | 303.0 | 1,239.0 | 637.6 | 1,876.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 428 | 63 | 242 | 897 | 1,416 | 2,554 | 744 | – – | – – | 2,760 | – – | – – | – – |
| 1965 | 274 | 64 | 278 | 1,653 | 1,617 | 3,548 | 562 | – – | – – | 3,763 | – – | – – | – – |
| 1970 | 296 | 86 | 403 | 2,077 | 3,403 | 5,884 | 505 | – – | – – | 6,987 | – – | – – | – – |
| 1975 | 88 | 79 | 442 | 1,073 | 3,793 | 5,308 | 542 | – – | – – | 9,586 | – – | – – | – – |
| 1980 | 60 | 74 | 820 | 1,751 | 2,092 | 4,663 | 759 | – – | – – | 13,075 | – – | – – | – – |
| 1985 | 55 | 60 | 856 | 833 | 1,609 | 3,298 | 1,338 | – – | – – | 14,539 | – – | – – | – – |
| 1990 | 30 | 56 | 748 | 321 | 1,851 | 2,921 | 683 | – – | – – | 16,814 | – – | – – | – – |
| 1995 | 17 | 66 | 723 | 415 | 2,291 | 3,429 | 542 | – – | – – | 20,537 | – – | – – | – – |
| 1996 | 14 | 70 | 662 | 438 | 3,076 | 4,176 | 563 | – – | – – | 21,353 | – – | – – | – – |
| 1997 | 39 | 66 | 658 | 486 | 3,061 | 4,204 | 294 | – – | – – | 20,998 | – – | – – | – – |
| 1998 | 26 | 56 | 585 | 611 | 2,321 | 3,517 | 261 | – – | – – | 21,669 | – – | – – | – – |
| 1999 | 48 | 59 | 523 | 864 | 2,837 | 4,224 | 275 | – – | – – | 22,548 | – – | – – | – – |
| 2000 | 21 | 65 | 527 | 316 | 2,814 | 3,657 | 295 | – – | – – | 23,374 | – – | – – | – – |
| 2001 | 24 | 57 | 456 | 271 | 1,867 | 2,594 | 237 | – – | – – | 23,698 | – – | – – | – – |
| 2002 | 30 | 59 | 405 | 169 | 2,025 | 2,600 | 241 | – – | – – | 25,347 | – – | – – | – – |
| 2003 | 26 | 62 | 485 | 182 | 2,348 | 3,016 | 253 | – – | – – | 24,704 | – – | – – | – – |
| 2004 | 27 | 56 | 440 | 207 | 2,246 | 2,892 | 260 | – – | – – | 25,187 | – – | – – | – – |
| 2005 | 23 | 56 | 370 | 251 | 2,148 | 2,769 | R 508 | – – | – – | 26,947 | – – | – – | – – |
| 2006 | 12 | 47 | 255 | 160 | 1,955 | 2,369 | R 463 | – – | – – | 25,949 | – – | – – | – – |
| 2007 | 14 | 52 | 245 | 100 | 2,113 | 2,458 | R 510 | – – | – – | 28,004 | – – | – – | – – |
| 2008 | 5 | 55 | R 233 | 57 | 2,429 | R 2,719 | R 534 | – – | – – | 27,562 | – – | – – | – – |
| 2009 | 5 | 52 | 329 | 114 | 2,536 | 2,979 | 510 | – – | – – | 26,525 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 10.5 | 65.2 | 1.4 | 5.1 | 5.7 | 12.2 | 14.9 | NA | NA | 9.4 | 112.1 | 23.3 | 135.4 |
| 1965 | 6.6 | 65.9 | 1.6 | 9.4 | 6.5 | 17.5 | 11.2 | NA | NA | 12.8 | 114.1 | R 30.6 | 144.7 |
| 1970 | 6.9 | 87.9 | 2.3 | 11.8 | 12.9 | 27.0 | 10.1 | NA | NA | 23.8 | 155.8 | 57.7 | 213.5 |
| 1975 | 2.0 | 79.8 | 2.6 | 6.1 | 14.1 | 22.7 | 10.8 | NA | NA | 32.7 | 148.1 | R 78.5 | R 226.6 |
| 1980 | 1.4 | 74.9 | 4.8 | 9.9 | 7.7 | 22.4 | 15.2 | NA | NA | 44.6 | 158.5 | R 107.2 | R 265.7 |
| 1985 | 1.3 | 61.9 | 5.0 | 4.7 | 5.8 | 15.5 | 26.8 | NA | NA | 49.6 | 155.1 | R 113.6 | R 268.7 |
| 1990 | 0.7 | 58.3 | 4.4 | 1.8 | 6.7 | 12.9 | 13.7 | 0.2 | (s) | 57.4 | 143.2 | R 131.6 | R 274.8 |
| 1995 | 0.4 | 72.5 | 4.2 | 2.4 | 8.3 | 14.9 | 10.8 | 0.3 | (s) | 70.1 | 169.0 | R 158.2 | R 327.2 |
| 1996 | 0.3 | 73.7 | 3.9 | 2.5 | 11.1 | 17.5 | 11.3 | 0.3 | (s) | 72.9 | 175.9 | R 164.6 | R 340.6 |
| 1997 | 0.9 | 69.4 | 3.8 | 2.8 | 11.1 | 17.7 | 5.9 | 0.3 | (s) | 71.6 | 165.8 | R 161.3 | R 327.0 |
| 1998 | 0.7 | 57.5 | 3.4 | 3.5 | 8.4 | 15.3 | 5.2 | 0.3 | (s) | 73.9 | 152.9 | R 166.6 | R 319.5 |
| 1999 | 1.3 | 61.1 | 3.0 | 4.9 | 10.3 | 18.2 | 5.5 | 0.4 | (s) | 76.9 | 163.4 | R 174.9 | R 338.3 |
| 2000 | 0.6 | 67.3 | 3.1 | 1.8 | 10.1 | 15.0 | 5.9 | 0.4 | (s) | 79.8 | 168.9 | R 180.4 | R 349.3 |
| 2001 | 0.6 | 59.1 | 2.7 | 1.5 | 6.7 | 10.9 | 4.7 | 0.4 | (s) | 80.9 | 156.6 | R 179.2 | R 335.8 |
| 2002 | 0.7 | 61.3 | 2.4 | 1.0 | 7.3 | 10.6 | 4.8 | 0.5 | (s) | 86.5 | 164.4 | R 191.7 | R 356.1 |
| 2003 | 0.6 | 64.2 | 2.8 | 1.0 | 8.5 | 12.4 | 5.1 | 0.6 | (s) | 84.3 | 167.2 | R 184.9 | R 352.1 |
| 2004 | 0.7 | 58.4 | 2.6 | 1.2 | 8.1 | 11.9 | 5.2 | 0.7 | (s) | 85.9 | 162.8 | R 189.0 | R 351.8 |
| 2005 | 0.6 | 57.8 | 2.2 | 1.4 | 7.8 | 11.4 | R 10.2 | 0.8 | (s) | 91.9 | R 172.6 | R 199.9 | R 372.5 |
| 2006 | 0.3 | 48.8 | 1.5 | 0.9 | 7.0 | 9.4 | R 9.3 | 0.9 | R (s) | 88.5 | R 157.2 | R 190.3 | R 347.5 |
| 2007 | 0.3 | 52.9 | 1.4 | 0.6 | 7.6 | 9.6 | R 10.2 | 1.1 | 0.1 | 95.5 | R 169.7 | R 204.9 | R 374.6 |
| 2008 | 0.1 | 57.0 | R 1.4 | 0.3 | 8.7 | 10.4 | R 10.7 | 1.3 | 0.1 | 94.0 | R 173.6 | R 201.3 | R 374.9 |
| 2009 | 0.1 | 53.5 | 1.9 | 0.6 | 9.0 | 11.6 | 10.2 | 1.6 | 0.1 | 90.5 | 167.6 | 190.5 | 358.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 298 | 18 | 501 | 176 | 227 | 336 | 4 | 1,243 | NA | – – | – – | 1,590 | – – | – – | – – |
| 1965 | 206 | 21 | 576 | 325 | 259 | 268 | 8 | 1,436 | NA | – – | – – | 2,166 | – – | – – | – – |
| 1970 | 233 | 42 | 835 | 408 | 545 | 263 | 11 | 2,063 | NA | – – | – – | 3,465 | – – | – – | – – |
| 1975 | 204 | 38 | 915 | 211 | 607 | 275 | 7 | 2,016 | NA | – – | – – | 6,489 | – – | – – | – – |
| 1980 | 227 | 39 | 2,632 | 622 | 335 | 250 | 19 | 3,858 | NA | – – | – – | 8,432 | – – | – – | – – |
| 1985 | 194 | 34 | 1,579 | 92 | 258 | 377 | 1 | 2,307 | NA | – – | – – | 9,465 | – – | – – | – – |
| 1990 | 121 | 32 | 762 | 94 | 296 | 445 | (s) | 1,598 | 0 | – – | – – | 11,740 | – – | – – | – – |
| 1995 | 113 | 39 | 1,114 | 117 | 367 | 42 | 0 | 1,640 | 0 | – – | – – | 13,521 | – – | – – | – – |
| 1996 | 103 | 41 | 1,193 | 111 | 492 | 40 | (s) | 1,836 | 0 | – – | – – | 13,736 | – – | – – | – – |
| 1997 | 315 | 39 | 934 | 113 | 490 | 40 | 0 | 1,577 | 0 | – – | – – | 15,238 | – – | – – | – – |
| 1998 | 206 | 32 | 1,059 | 130 | 372 | 80 | 0 | 1,641 | 0 | – – | – – | 15,921 | – – | – – | – – |
| 1999 | 353 | 36 | 1,097 | 67 | 454 | 39 | 1 | 1,658 | 0 | – – | – – | 16,496 | – – | – – | – – |
| 2000 | 170 | 39 | 1,082 | 70 | 450 | 40 | 8 | 1,650 | 0 | – – | – – | 17,252 | – – | – – | – – |
| 2001 | 194 | 35 | 1,123 | 58 | 299 | 42 | 6 | 1,527 | 0 | – – | – – | 17,601 | – – | – – | – – |
| 2002 | 222 | 36 | 1,068 | 32 | 324 | 42 | 0 | 1,466 | 0 | – – | – – | 18,107 | – – | – – | – – |
| 2003 | 177 | 38 | 766 | 39 | 382 | 42 | 0 | 1,229 | 0 | – – | – – | 17,946 | – – | – – | – – |
| 2004 | 247 | 37 | 804 | 32 | 409 | 42 | 0 | 1,286 | 0 | – – | – – | 18,443 | – – | – – | – – |
| 2005 | 266 | 37 | 773 | 27 | 310 | 42 | 1 | 1,153 | 0 | – – | – – | 19,091 | – – | – – | – – |
| 2006 | 119 | 33 | 749 | 20 | 308 | 43 | 0 | 1,120 | 0 | – – | – – | 18,941 | – – | – – | – – |
| 2007 | 122 | 34 | 661 | 10 | 243 | 43 | 0 | 957 | 0 | – – | – – | 20,035 | – – | – – | – – |
| 2008 | 49 | 37 | R 503 | 6 | 498 | 43 | 0 | R 1,049 | 0 | – – | – – | 19,669 | – – | – – | – – |
| 2009 | 43 | 35 | 425 | 6 | 366 | 43 | 0 | 840 | 0 | – – | – – | 18,696 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 7.3 | 18.9 | 2.9 | 1.0 | 0.9 | 1.8 | (s) | 6.6 | NA | 0.3 | NA | 5.4 | 38.5 | 13.4 | 51.9 |
| 1965 | 5.0 | 21.9 | 3.4 | 1.8 | 1.0 | 1.4 | (s) | 7.7 | NA | 0.2 | NA | 7.4 | 42.3 | 17.6 | 59.9 |
| 1970 | 5.5 | 43.2 | 4.9 | 2.3 | 2.1 | 1.4 | 0.1 | 10.7 | NA | 0.2 | NA | 11.8 | 71.3 | 28.6 | R 99.9 |
| 1975 | 4.7 | 38.8 | 5.3 | 1.2 | 2.3 | 1.4 | (s) | 10.3 | NA | 0.2 | NA | 22.1 | 76.2 | R 53.1 | R 129.3 |
| 1980 | 5.4 | 39.7 | 15.3 | 3.5 | 1.2 | 1.3 | 0.1 | 21.5 | NA | 0.4 | NA | 28.8 | 95.8 | R 69.1 | R 164.9 |
| 1985 | 4.7 | 34.8 | 9.2 | 0.5 | 0.9 | 2.0 | (s) | 12.6 | NA | 0.6 | NA | 32.3 | 85.1 | R 74.0 | R 159.1 |
| 1990 | 2.9 | 33.1 | 4.4 | 0.5 | 1.1 | 2.3 | (s) | 8.4 | 0.0 | 1.5 | 0.0 | 40.1 | 86.0 | R 91.9 | R 177.9 |
| 1995 | 2.8 | 42.3 | 6.5 | 0.7 | 1.3 | 0.2 | 0.0 | 8.7 | 0.0 | 1.5 | 0.1 | 46.1 | 101.6 | R 104.1 | R 205.7 |
| 1996 | 2.5 | 43.0 | 6.9 | 0.6 | 1.8 | 0.2 | (s) | 9.6 | 0.0 | 1.5 | 0.1 | 46.9 | 103.6 | R 105.9 | R 209.5 |
| 1997 | 7.3 | 40.6 | 5.4 | 0.6 | 1.8 | 0.2 | 0.0 | 8.1 | 0.0 | 1.0 | 0.2 | 52.0 | 109.1 | R 117.0 | R 226.1 |
| 1998 | 5.3 | 33.6 | 6.2 | 0.7 | 1.3 | 0.4 | 0.0 | 8.7 | 0.0 | 0.9 | 0.2 | 54.3 | 102.9 | R 122.4 | R 225.3 |
| 1999 | 9.3 | 37.0 | 6.4 | 0.4 | 1.6 | 0.2 | (s) | 8.6 | 0.0 | 0.9 | 0.2 | 56.3 | 112.2 | R 128.0 | R 240.2 |
| 2000 | 4.5 | 40.2 | 6.3 | 0.4 | 1.6 | 0.2 | 0.1 | 8.6 | 0.0 | 1.0 | 0.2 | 58.9 | 113.3 | R 133.1 | R 246.5 |
| 2001 | 4.8 | 36.6 | 6.5 | 0.3 | 1.1 | 0.2 | (s) | 8.2 | 0.0 | 0.8 | 0.2 | 60.1 | 110.7 | R 133.1 | R 243.8 |
| 2002 | 5.5 | 37.3 | 6.2 | 0.2 | 1.2 | 0.2 | 0.0 | 7.8 | 0.0 | 0.9 | 0.3 | 61.8 | 113.4 | R 136.9 | R 250.3 |
| 2003 | 4.3 | 39.6 | 4.5 | 0.2 | 1.4 | 0.2 | 0.0 | 6.3 | 0.0 | 0.9 | 0.4 | 61.2 | 112.7 | R 134.3 | R 247.0 |
| 2004 | 5.9 | 38.3 | 4.7 | 0.2 | 1.5 | 0.2 | 0.0 | 6.6 | 0.0 | 0.9 | 0.4 | 62.9 | 115.0 | R 138.4 | R 253.4 |
| 2005 | 6.4 | 38.0 | 4.5 | 0.2 | 1.1 | 0.2 | (s) | 6.0 | 0.0 | R 1.6 | 0.5 | 65.1 | R 117.6 | R 141.6 | R 259.2 |
| 2006 | 2.8 | 33.5 | 4.4 | 0.1 | 1.1 | 0.2 | 0.0 | 5.8 | 0.0 | R 1.5 | 0.5 | 64.6 | R 108.8 | R 138.9 | R 247.7 |
| 2007 | 2.9 | 35.3 | 3.8 | 0.1 | 0.9 | 0.2 | 0.0 | 5.0 | 0.0 | R 1.6 | 0.5 | 68.4 | R 113.7 | R 146.6 | R 260.3 |
| 2008 | 1.3 | R 38.5 | 2.9 | (s) | 1.8 | 0.2 | 0.0 | 5.0 | 0.0 | R 1.7 | 0.6 | 67.1 | R 114.2 | R 143.6 | R 257.8 |
| 2009 | 1.2 | 36.7 | 2.5 | (s) | 1.3 | 0.2 | 0.0 | 4.0 | 0.0 | 1.7 | 0.7 | 63.8 | 108.1 | 134.2 | 242.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 3,754 | 46 | 1,558 | 2,476 | 485 | 289 | 4,326 | 9,134 | 0 | – – | – – | – – | 23,818 | – – | – – | – – |
| 1965 | 4,879 | 58 | 1,987 | 3,957 | 430 | 536 | 6,788 | 13,698 | 0 | – – | – – | – – | 20,893 | – – | – – | – – |
| 1970 | 4,325 | 75 | 2,078 | 5,562 | 209 | 786 | 11,208 | 19,843 | 0 | – – | – – | – – | 20,586 | – – | – – | – – |
| 1975 | 2,898 | 66 | 3,346 | 6,511 | 195 | 2,059 | 12,493 | 24,603 | 0 | – – | – – | – – | 31,006 | – – | – – | – – |
| 1980 | 3,058 | 66 | 6,433 | 7,784 | 89 | 857 | 16,663 | 31,825 | 0 | – – | – – | – – | 28,280 | – – | – – | – – |
| 1985 | 3,732 | 63 | 5,838 | 3,574 | 843 | 621 | 10,305 | 21,180 | 0 | – – | – – | – – | 26,564 | – – | – – | – – |
| 1990 | 3,431 | 72 | 6,054 | 3,941 | 848 | 537 | 12,562 | 23,942 | 0 | – – | – – | – – | 32,543 | – – | – – | – – |
| 1995 | 3,679 | 93 | 6,120 | 2,902 | 1,168 | 201 | 21,487 | 31,877 | 0 | – – | – – | – – | 40,490 | – – | – – | – – |
| 1996 | 3,674 | 97 | 6,097 | 3,589 | 1,199 | 243 | 30,913 | 42,041 | 0 | – – | – – | – – | 41,930 | – – | – – | – – |
| 1997 | 3,254 | 98 | 5,682 | 5,148 | 1,230 | 165 | 32,725 | 44,951 | 0 | – – | – – | – – | 40,600 | – – | – – | – – |
| 1998 | 2,724 | 96 | 5,889 | 4,805 | 821 | 55 | 34,291 | 45,861 | 0 | – – | – – | – – | 38,260 | – – | – – | – – |
| 1999 | 2,382 | 101 | 4,946 | 5,962 | 820 | 77 | 36,516 | 48,321 | 0 | – – | – – | – – | 40,054 | – – | – – | – – |
| 2000 | 2,214 | 104 | 4,436 | 6,638 | 827 | 81 | 34,620 | 46,603 | 0 | – – | – – | – – | 37,689 | – – | – – | – – |
| 2001 | 2,384 | 97 | 5,340 | 7,698 | 1,720 | 136 | 24,007 | 38,901 | 0 | – – | – – | – – | 38,676 | – – | – – | – – |
| 2002 | 2,063 | 107 | 5,252 | 8,429 | 1,739 | 92 | 23,350 | 38,863 | 0 | – – | – – | – – | 43,812 | – – | – – | – – |
| 2003 | 2,103 | 105 | 4,240 | 6,043 | 1,919 | 120 | 23,666 | 35,987 | 0 | – – | – – | – – | 42,570 | – – | – – | – – |
| 2004 | 2,257 | 117 | 4,154 | 6,886 | 2,196 | 58 | 26,832 | 40,126 | 0 | – – | – – | – – | 42,891 | – – | – – | – – |
| 2005 | 2,240 | 116 | 4,609 | 7,427 | 2,141 | 136 | 26,420 | 40,733 | 0 | – – | – – | – – | 43,314 | – – | – – | – – |
| 2006 | 2,367 | 112 | 5,012 | 7,376 | 2,307 | 118 | R 26,143 | R 40,955 | 0 | – – | – – | – – | 43,853 | – – | – – | – – |
| 2007 | 2,472 | 113 | 4,750 | 7,393 | 1,147 | 103 | R 24,645 | R 38,039 | 0 | – – | – – | – – | 44,366 | – – | – – | – – |
| 2008 | 2,212 | 111 | R 5,782 | R 6,833 | 788 | (s) | R 22,219 | R 35,622 | 0 | – – | – – | – – | 46,198 | – – | – – | – – |
| 2009 | 1,673 | 99 | 6,214 | 5,611 | 806 | 71 | 21,344 | 34,047 | 0 | – – | – – | – – | 43,588 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 95.9 | 47.7 | 9.1 | 9.9 | 2.5 | 1.8 | 26.6 | 50.0 | 0.0 | 7.3 | NA | NA | 81.3 | 282.1 | 201.0 | 483.1 |
| 1965 | 123.9 | 60.0 | 11.6 | 15.9 | 2.3 | 3.4 | 40.7 | 73.8 | 0.0 | 10.2 | NA | NA | 71.3 | 339.3 | 170.2 | 509.5 |
| 1970 | 105.9 | 76.1 | 12.1 | 21.0 | 1.1 | 4.9 | 66.9 | 106.0 | 0.0 | 13.4 | NA | NA | 70.2 | 371.7 | R 169.9 | R 541.6 |
| 1975 | 71.1 | 66.6 | 19.5 | 24.2 | 1.0 | 12.9 | 74.2 | 131.9 | 0.0 | 19.8 | NA | NA | 105.8 | 395.2 | R 253.8 | R 648.9 |
| 1980 | 76.1 | 66.4 | 37.5 | 28.6 | 0.5 | 5.4 | 96.2 | 168.2 | 0.0 | 9.7 | NA | NA | 96.5 | 416.9 | R 231.8 | R 648.7 |
| 1985 | 94.2 | 65.1 | 34.0 | 12.9 | 4.4 | 3.9 | 61.6 | 116.8 | 0.0 | 11.4 | 0.0 | NA | 90.6 | 378.2 | R 207.6 | R 585.8 |
| 1990 | 87.1 | 74.4 | 35.3 | 14.3 | 4.5 | 3.4 | 76.1 | 133.4 | 0.0 | 2.2 | 0.0 | 0.0 | 111.0 | 408.2 | R 254.8 | R 663.0 |
| 1995 | 94.2 | 102.4 | 35.6 | 10.5 | 6.1 | 1.3 | 123.6 | 177.2 | 0.0 | 3.2 | 0.0 | 0.0 | 138.2 | 515.1 | R 311.9 | R 826.9 |
| 1996 | 93.7 | 101.7 | 35.5 | 13.0 | 6.3 | 1.5 | 174.0 | 230.3 | 0.0 | 5.7 | 0.0 | 0.0 | 143.1 | 574.4 | R 323.3 | R 897.7 |
| 1997 | 82.8 | 103.1 | 33.1 | 18.6 | 6.4 | 1.0 | 185.0 | 244.2 | 0.0 | 6.1 | 0.0 | 0.0 | 138.5 | 574.7 | R 311.8 | R 886.5 |
| 1998 | 70.9 | 98.8 | 34.3 | 17.4 | 4.3 | 0.3 | 194.5 | 250.8 | 0.0 | 5.1 | 0.0 | 0.0 | 130.5 | 556.2 | R 294.2 | R 850.3 |
| 1999 | 62.3 | 104.3 | 28.8 | 21.6 | 4.3 | 0.5 | 207.7 | 262.8 | 0.0 | 5.2 | 0.0 | 0.0 | 136.7 | 571.3 | R 310.7 | R 882.0 |
| 2000 | 59.6 | 107.9 | 25.8 | 23.9 | 4.3 | 0.5 | 196.1 | 250.7 | 0.0 | 5.0 | 0.0 | 0.0 | 128.6 | 551.8 | R 290.8 | R 842.6 |
| 2001 | 63.6 | 101.0 | 31.1 | 27.8 | 9.0 | 0.9 | 141.8 | 210.6 | 0.0 | 7.1 | 0.0 | 0.0 | 132.0 | 514.1 | R 292.4 | R 806.5 |
| 2002 | 55.8 | 111.0 | 30.6 | 30.5 | 9.1 | 0.6 | 137.8 | 208.5 | 0.0 | 15.5 | 0.0 | 0.0 | 149.5 | 540.3 | R 331.3 | R 871.6 |
| 2003 | 56.2 | 109.0 | 24.7 | 21.9 | 10.0 | 0.8 | 139.9 | 197.3 | 0.0 | 18.7 | 0.0 | 0.0 | 145.2 | 526.3 | R 318.6 | R 845.0 |
| 2004 | 60.4 | 121.1 | 24.2 | 24.9 | 11.5 | 0.4 | 158.3 | 219.3 | 0.0 | 19.6 | 1.5 | 0.0 | 146.3 | 568.1 | R 321.9 | R 890.0 |
| 2005 | 58.5 | 118.9 | 26.8 | 26.9 | 11.2 | 0.9 | 156.5 | 222.3 | 0.0 | 20.0 | 1.4 | 0.0 | 147.8 | 568.8 | R 321.4 | R 890.1 |
| 2006 | 61.7 | 115.5 | 29.2 | 26.6 | 12.0 | 0.7 | R 155.8 | R 224.4 | 0.0 | R 18.8 | 1.7 | 0.0 | 149.6 | R 571.8 | R 321.7 | R 893.4 |
| 2007 | 63.8 | 115.7 | 27.7 | 26.5 | 6.0 | 0.7 | R 146.8 | R 207.6 | 0.0 | R 19.7 | 2.1 | 0.0 | 151.4 | R 560.2 | R 324.7 | R 884.9 |
| 2008 | 57.6 | 114.5 | R 33.7 | 24.6 | 4.1 | (s) | R 132.1 | R 194.5 | 0.0 | R 18.3 | 2.0 | 0.0 | 157.6 | R 544.4 | R 337.4 | R 881.8 |
| 2009 | 43.4 | 102.2 | 36.2 | 20.0 | 4.2 | 0.4 | 127.1 | 188.0 | 0.0 | 13.8 | 2.0 | 0.0 | 148.7 | 498.1 | 313.0 | 811.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 64 | 19 | 652 | 2,549 | 497 | 34 | 405 | 20,715 | 35 | 24,886 | 0 | – – | – – | – – |
| 1965 | 16 | 28 | 1,052 | 2,725 | 1,284 | 36 | 409 | 25,082 | 42 | 30,630 | 0 | – – | – – | – – |
| 1970 | 7 | 36 | 330 | 4,891 | 3,089 | 54 | 368 | 33,109 | 145 | 41,986 | 0 | – – | – – | – – |
| 1975 | (s) | 24 | 129 | 6,215 | 2,150 | 66 | 530 | 40,346 | 2 | 49,437 | 0 | – – | – – | – – |
| 1980 | 0 | 21 | 112 | 12,795 | 2,897 | 13 | 518 | 39,490 | 136 | 55,961 | 0 | – – | – – | – – |
| 1985 | 0 | 14 | 66 | 13,546 | 3,434 | 98 | 471 | 38,704 | 0 | 56,319 | 0 | – – | – – | – – |
| 1990 | 0 | 25 | 51 | 16,449 | 5,713 | 65 | 531 | 41,748 | 0 | 64,555 | 0 | – – | – – | – – |
| 1995 | 0 | 25 | 44 | 19,086 | 6,305 | 47 | 506 | 46,894 | 0 | 72,882 | 0 | – – | – – | – – |
| 1996 | 0 | 27 | 47 | 19,433 | 5,590 | 50 | 491 | 42,303 | 0 | 67,914 | 0 | – – | – – | – – |
| 1997 | 0 | 23 | 28 | 20,512 | 4,558 | 58 | 519 | 48,904 | 0 | 74,580 | 0 | – – | – – | – – |
| 1998 | 0 | 16 | 62 | 20,278 | 5,351 | 19 | 543 | 49,322 | 0 | 75,576 | 0 | – – | – – | – – |
| 1999 | 0 | 17 | 33 | 20,637 | 6,962 | 26 | 549 | 50,091 | 0 | 78,298 | 0 | – – | – – | – – |
| 2000 | 0 | 14 | 32 | 23,286 | 6,651 | 56 | 541 | 48,045 | 0 | 78,610 | 0 | – – | – – | – – |
| 2001 | 0 | 15 | 90 | 23,577 | 6,001 | 65 | 495 | 49,506 | 1 | 79,735 | 0 | – – | – – | – – |
| 2002 | 0 | 12 | 69 | 26,760 | 6,353 | 139 | 490 | 49,046 | 2 | 82,858 | 0 | – – | – – | – – |
| 2003 | 0 | 14 | 60 | 20,134 | 8,046 | 56 | 453 | 50,741 | 3 | 79,493 | 0 | – – | – – | – – |
| 2004 | 0 | 10 | 70 | 24,634 | 9,042 | 81 | 458 | 53,030 | 6 | 87,322 | 0 | – – | – – | – – |
| 2005 | 0 | 8 | 70 | 25,444 | 8,284 | 92 | 456 | 51,716 | 3 | 86,065 | 0 | – – | – – | – – |
| 2006 | 0 | 7 | 65 | 26,569 | 7,105 | 115 | 444 | 51,548 | 0 | 85,845 | 0 | – – | – – | – – |
| 2007 | 0 | 12 | 64 | 27,584 | 7,979 | 92 | 459 | 52,941 | 0 | 89,118 | 0 | – – | – – | – – |
| 2008 | 0 | 13 | 48 | R 23,425 | 7,425 | R 139 | 426 | 51,103 | 0 | R 82,566 | 0 | – – | – – | – – |
| 2009 | 0 | 12 | 41 | 20,462 | 9,844 | 89 | 383 | 52,589 | 0 | 83,408 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.6 | 19.6 | 3.3 | 14.8 | 2.7 | 0.1 | 2.5 | 108.8 | 0.2 | 132.5 | 0.0 | 153.6 | 0.0 | 153.6 |
| 1965 | 0.4 | 28.4 | 5.3 | 15.9 | 7.2 | 0.1 | 2.5 | 131.8 | 0.3 | 163.0 | 0.0 | 191.8 | 0.0 | 191.8 |
| 1970 | 0.2 | 36.3 | 1.7 | 28.5 | 17.4 | 0.2 | 2.2 | 173.9 | 0.9 | 224.8 | 0.0 | 261.3 | 0.0 | 261.3 |
| 1975 | (s) | 23.7 | 0.6 | 36.2 | 12.1 | 0.2 | 3.2 | 211.9 | (s) | 264.4 | 0.0 | 288.1 | 0.0 | 288.1 |
| 1980 | 0.0 | 21.1 | 0.6 | 74.5 | 16.3 | (s) | 3.1 | 207.4 | 0.9 | 302.9 | 0.0 | 324.0 | 0.0 | 324.0 |
| 1985 | 0.0 | 14.7 | 0.3 | 78.9 | 19.3 | 0.4 | 2.9 | 203.3 | 0.0 | 305.1 | 0.0 | R 323.4 | 0.0 | R 323.4 |
| 1990 | 0.0 | 25.6 | 0.3 | 95.8 | 32.3 | 0.2 | 3.2 | 219.3 | 0.0 | 351.1 | 0.0 | R 379.6 | 0.0 | R 379.6 |
| 1995 | 0.0 | 27.4 | 0.2 | 111.2 | 35.7 | 0.2 | 3.1 | 244.6 | 0.0 | 394.9 | 0.0 | 422.4 | 0.0 | 422.4 |
| 1996 | 0.0 | 27.8 | 0.2 | 113.2 | 31.7 | 0.2 | 3.0 | 220.7 | 0.0 | 368.9 | 0.0 | 396.8 | 0.0 | 396.8 |
| 1997 | 0.0 | 24.1 | 0.1 | 119.5 | 25.8 | 0.2 | 3.1 | 254.9 | 0.0 | 403.8 | 0.0 | 427.8 | 0.0 | 427.8 |
| 1998 | 0.0 | 16.3 | 0.3 | 118.1 | 30.3 | 0.1 | 3.3 | 257.1 | 0.0 | 409.2 | 0.0 | 425.5 | 0.0 | 425.5 |
| 1999 | 0.0 | 17.2 | 0.2 | 120.2 | 39.5 | 0.1 | 3.3 | 261.0 | 0.0 | 424.3 | 0.0 | 441.5 | 0.0 | 441.5 |
| 2000 | 0.0 | 14.5 | 0.2 | 135.6 | 37.7 | 0.2 | 3.3 | 250.3 | 0.0 | 427.3 | 0.0 | 441.8 | 0.0 | 441.8 |
| 2001 | 0.0 | 15.5 | 0.5 | 137.3 | 34.0 | 0.2 | 3.0 | 257.9 | (s) | 433.0 | 0.0 | 448.5 | 0.0 | 448.5 |
| 2002 | 0.0 | 12.5 | 0.3 | 155.9 | 36.0 | 0.5 | 3.0 | 255.4 | (s) | 451.2 | 0.0 | 463.7 | 0.0 | 463.7 |
| 2003 | 0.0 | 14.9 | 0.3 | 117.3 | 45.6 | 0.2 | 2.7 | 264.2 | (s) | 430.4 | 0.0 | 445.3 | 0.0 | 445.3 |
| 2004 | 0.0 | 10.6 | 0.4 | 143.5 | 51.3 | 0.3 | 2.8 | 276.6 | (s) | 474.8 | 0.0 | 485.4 | 0.0 | 485.4 |
| 2005 | 0.0 | 8.5 | 0.4 | 148.2 | 47.0 | 0.3 | 2.8 | 269.9 | (s) | 468.5 | 0.0 | 477.0 | 0.0 | 477.0 |
| 2006 | 0.0 | 6.7 | 0.3 | 154.8 | 40.3 | 0.4 | 2.7 | 269.0 | 0.0 | 467.5 | 0.0 | 474.2 | 0.0 | 474.2 |
| 2007 | 0.0 | 12.2 | 0.3 | 160.7 | 45.2 | 0.3 | 2.8 | 276.3 | 0.0 | 485.6 | 0.0 | 497.9 | 0.0 | 497.9 |
| 2008 | 0.0 | 13.4 | 0.2 | R 136.4 | 42.1 | 0.5 | 2.6 | 266.7 | 0.0 | R 448.5 | 0.0 | R 462.0 | 0.0 | R 462.0 |
| 2009 | 0.0 | 12.9 | 0.2 | 119.2 | 55.8 | 0.3 | 2.3 | 274.4 | 0.0 | 452.3 | 0.0 | 465.2 | 0.0 | 465.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Kentucky

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 7,466 | 2 | 9 | (s) | 0 | 10 | 0 | 2,633 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 12,210 | (s) | 14 | (s) | 0 | 14 | 0 | 2,464 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 18,698 | 9 | 121 | 4 | 0 | 124 | 0 | 3,174 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 22,366 | (s) | 100 | 7 | 0 | 108 | 0 | 3,463 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 24,383 | 2 | 0 | 227 | 0 | 227 | 0 | 2,940 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 27,085 | 1 | 0 | 270 | 0 | 270 | 0 | 2,941 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 30,867 | (s) | 0 | 212 | 0 | 212 | 0 | 3,160 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 35,707 | 1 | 0 | 282 | 0 | 282 | 0 | 3,423 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 37,071 | 2 | 0 | 308 | 0 | 308 | 0 | 3,497 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 38,281 | 2 | 0 | 266 | 0 | 266 | 0 | 3,380 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 38,197 | 6 | 0 | 292 | 721 | 1,013 | 0 | 3,116 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 39,595 | 6 | 0 | 263 | 0 | 263 | 0 | 2,557 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 40,180 | 4 | 0 | 309 | 0 | 309 | 0 | 2,325 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 41,305 | 4 | 0 | 225 | 0 | 225 | 0 | 3,856 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 38,605 | 14 | 0 | 335 | 6,914 | 7,249 | 0 | 4,025 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 38,521 | 4 | 0 | 310 | 5,752 | 6,062 | 0 | 3,948 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 39,342 | 5 | 0 | 255 | 7,096 | 7,351 | 0 | 3,780 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 40,352 | 17 | 0 | 230 | 7,146 | 7,376 | 0 | 2,961 | – – | 0 | 0 | 0 | (s) | – – |
| 2006 | 41,938 | 12 | 0 | 193 | 6,562 | 6,755 | 0 | 2,592 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 41,064 | 19 | 0 | 242 | 5,323 | 5,566 | 0 | 1,669 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 42,191 | 10 | 0 | 255 | 5,475 | 5,730 | 0 | 1,917 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 39,271 | 8 | 0 | 281 | 3,754 | 4,035 | 0 | 3,318 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 171.5 | 2.4 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 28.3 | 0.0 | 0.0 | NA | NA | 0.0 | 202.3 |
| 1965 | 279.5 | 0.5 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 25.8 | 0.0 | 0.0 | NA | NA | 0.0 | 305.8 |
| 1970 | 408.6 | 8.7 | 0.8 | (s) | 0.0 | 0.8 | 0.0 | 33.3 | 0.0 | 0.0 | NA | NA | 0.0 | 451.3 |
| 1975 | 480.4 | 0.3 | 0.6 | (s) | 0.0 | 0.7 | 0.0 | 36.0 | 0.0 | 0.0 | NA | NA | 0.0 | 517.4 |
| 1980 | 558.8 | 1.9 | 0.0 | 1.3 | 0.0 | 1.3 | 0.0 | 30.5 | 0.0 | 0.0 | NA | NA | 0.0 | 592.6 |
| 1985 | 616.7 | 1.1 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 | 30.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 650.2 |
| 1990 | 712.8 | 0.3 | 0.0 | 1.2 | 0.0 | 1.2 | 0.0 | 32.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 747.2 |
| 1995 | 831.9 | 0.9 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 | 35.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 869.8 |
| 1996 | 855.6 | 1.9 | 0.0 | 1.8 | 0.0 | 1.8 | 0.0 | 36.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 895.4 |
| 1997 | 886.7 | 2.2 | 0.0 | 1.5 | 0.0 | 1.5 | 0.0 | 34.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 925.0 |
| 1998 | 882.2 | 5.9 | 0.0 | 1.7 | 4.3 | 6.0 | 0.0 | 31.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 925.9 |
| 1999 | 914.8 | 5.8 | 0.0 | 1.5 | 0.0 | 1.5 | 0.0 | 26.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 948.2 |
| 2000 | 933.0 | 4.3 | 0.0 | 1.8 | 0.0 | 1.8 | 0.0 | 23.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 962.8 |
| 2001 | 944.1 | 4.5 | 0.0 | 1.3 | 0.0 | 1.3 | 0.0 | 39.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 989.8 |
| 2002 | 888.9 | 14.0 | 0.0 | 2.0 | 41.7 | 43.6 | 0.0 | 40.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 987.5 |
| 2003 | 882.5 | 3.8 | 0.0 | 1.8 | 34.7 | 36.5 | 0.0 | 40.4 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 963.2 |
| 2004 | 894.7 | 5.0 | 0.0 | 1.5 | 42.7 | 44.2 | 0.0 | 37.9 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 982.6 |
| 2005 | 920.9 | 17.7 | 0.0 | 1.3 | 43.0 | 44.4 | 0.0 | 29.6 | 0.8 | 0.0 | 0.0 | 0.0 | (s) | 1,013.4 |
| 2006 | 958.5 | 12.6 | 0.0 | 1.1 | 39.5 | 40.7 | 0.0 | 25.7 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,038.6 |
| 2007 | 953.7 | 19.9 | 0.0 | 1.4 | 32.1 | 33.5 | 0.0 | 16.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1,024.7 |
| 2008 | 965.7 | 9.8 | 0.0 | 1.5 | 33.0 | 34.5 | 0.0 | 18.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,030.2 |
| 2009 | 892.4 | 8.6 | 0.0 | 1.6 | 22.6 | 24.2 | 0.0 | 32.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 958.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 0 | 970 | 10,710 | 3,207 | 21,646 | 22,550 | 8,769 | 21,897 | 88,779 | 0 | 0 | NA |
| 1965 | (s) | 1,110 | 8,357 | 6,097 | 31,150 | 27,404 | 7,889 | 28,260 | 109,158 | 0 | 0 | NA |
| 1970 | 0 | 1,841 | 11,799 | 5,879 | 47,555 | 34,850 | 11,118 | 39,255 | 150,456 | 0 | 0 | NA |
| 1971 | 0 | 1,884 | 13,395 | 5,917 | 49,128 | 35,858 | 8,036 | 50,136 | 162,470 | 0 | 0 | NA |
| 1972 | 0 | 1,940 | 17,821 | 5,841 | 59,395 | 38,974 | 8,659 | 54,258 | 184,947 | 0 | 0 | NA |
| 1973 | 0 | 2,010 | 21,079 | 5,881 | 61,454 | 41,112 | 20,812 | 59,303 | 209,641 | 0 | 0 | NA |
| 1974 | 0 | 2,008 | 21,652 | 7,888 | 59,725 | 41,354 | 28,453 | 59,811 | 218,882 | 0 | 0 | NA |
| 1975 | 0 | 1,789 | 21,502 | 6,082 | 52,953 | 43,192 | 28,410 | 58,036 | 210,174 | 0 | 0 | NA |
| 1976 | 0 | 2,044 | 22,077 | 5,126 | 53,547 | 46,286 | 39,047 | 68,912 | 234,995 | 0 | 0 | NA |
| 1977 | 79 | 2,191 | 29,781 | 5,437 | 53,666 | 48,322 | 54,033 | 77,332 | 268,572 | 0 | 0 | NA |
| 1978 | 172 | 2,249 | 31,035 | 5,595 | 54,505 | 50,064 | 53,986 | 82,581 | 277,765 | 0 | 0 | NA |
| 1979 | 118 | 1,978 | 31,509 | 7,356 | 64,340 | 49,078 | 60,431 | 92,172 | 304,884 | 0 | 0 | NA |
| 1980 | 111 | 1,794 | 22,579 | 8,644 | 52,872 | 47,157 | 64,084 | 98,408 | 293,743 | 0 | 0 | NA |
| 1981 | 1,363 | 1,782 | 37,923 | 7,812 | 73,786 | 48,933 | 55,459 | 71,278 | 295,191 | 0 | 0 | 0 |
| 1982 | 3,724 | 1,556 | 30,871 | 8,195 | 88,462 | 50,411 | 46,714 | 62,767 | 287,419 | 0 | 0 | 0 |
| 1983 | 6,154 | 1,413 | 31,116 | 10,935 | 88,979 | 50,471 | 37,223 | 56,334 | 275,058 | 0 | 0 | 0 |
| 1984 | 6,855 | 1,594 | 26,617 | 12,705 | 63,315 | 50,391 | 30,062 | 59,369 | 242,460 | 0 | 0 | 55 |
| 1985 | 9,217 | 1,386 | 26,702 | 12,803 | 70,430 | 49,302 | 24,717 | 56,821 | 240,776 | 2,457 | 0 | 232 |
| 1986 | 10,459 | 1,439 | 28,408 | 17,838 | 60,686 | 49,922 | 26,518 | 70,681 | 254,051 | 10,637 | 0 | 730 |
| 1987 | 10,391 | 1,501 | 26,662 | 18,874 | 53,296 | 48,217 | 24,093 | 76,193 | 247,334 | 12,324 | 0 | 616 |
| 1988 | 12,848 | 1,446 | 28,710 | 21,424 | 52,569 | 48,817 | 26,675 | 83,379 | 261,576 | 13,785 | 0 | 194 |
| 1989 | 12,471 | 1,556 | 29,154 | 22,321 | 50,617 | 46,885 | 25,853 | 83,246 | 258,076 | 12,391 | 0 | 152 |
| 1990 | 12,547 | 1,588 | 30,065 | 25,879 | 47,504 | 43,967 | 22,982 | 89,137 | 259,533 | 14,197 | 656 | 92 |
| 1991 | 12,965 | 1,525 | 28,302 | 32,179 | 51,957 | 43,005 | 25,944 | 75,403 | 256,789 | 13,956 | 656 | 171 |
| 1992 | 13,674 | 1,551 | 25,578 | 26,950 | 54,256 | 45,117 | 29,916 | 86,742 | 268,559 | 10,356 | 656 | 222 |
| 1993 | 13,676 | 1,579 | 30,603 | 25,124 | 55,642 | 46,073 | 27,523 | 88,615 | 273,580 | 14,398 | 1,232 | 220 |
| 1994 | 14,100 | 1,586 | 34,835 | 32,225 | 67,586 | 45,627 | 24,193 | 90,235 | 294,700 | 12,779 | 972 | 311 |
| 1995 | 13,357 | 1,679 | 36,584 | 28,853 | 66,974 | 47,247 | 23,059 | 86,281 | 288,998 | 15,686 | 952 | 186 |
| 1996 | 12,534 | 1,616 | 42,641 | 29,030 | 66,649 | 50,871 | 26,543 | 63,557 | 279,292 | 15,765 | 964 | 45 |
| 1997 | 13,874 | 1,661 | 43,942 | 30,472 | 47,298 | 46,918 | 21,535 | 68,139 | 258,303 | 13,511 | 1,036 | 19 |
| 1998 | 13,891 | 1,569 | 40,826 | 28,670 | 46,693 | 50,105 | 21,955 | 59,872 | 248,121 | 16,428 | 1,063 | 16 |
| 1999 | 13,953 | 1,495 | 36,166 | 34,016 | 75,103 | 49,717 | 22,123 | 61,800 | 278,926 | 13,112 | 802 | 39 |
| 2000 | 15,737 | 1,537 | 38,779 | 35,399 | 111,059 | 54,489 | 29,246 | 58,721 | 327,692 | 15,796 | 532 | 7 |
| 2001 | 14,934 | 1,307 | 42,485 | 34,460 | 75,798 | 53,482 | 13,596 | 106,008 | 325,828 | 17,336 | 732 | (s) |
| 2002 | 14,676 | 1,426 | 41,229 | 37,678 | 80,954 | 55,065 | 11,749 | 104,847 | 331,522 | 17,305 | 891 | 898 |
| 2003 | 15,592 | 1,308 | 32,632 | 38,124 | 45,831 | 57,453 | 14,218 | 112,641 | 300,899 | 16,126 | 892 | 1,144 |
| 2004 | 16,059 | 1,346 | 33,189 | 35,840 | 52,196 | 55,756 | 15,277 | 118,245 | 310,503 | 17,080 | 1,099 | 1,159 |
| 2005 | 15,856 | 1,310 | 34,060 | 28,255 | 49,250 | 56,846 | 16,322 | 113,170 | 297,902 | 15,676 | 811 | 48 |
| 2006 | 16,410 | 1,293 | 36,107 | 23,264 | 58,859 | 63,493 | 16,961 | R 106,451 | R 305,135 | 16,735 | 713 | 45 |
| 2007 | 15,524 | 1,377 | 32,670 | 22,416 | 56,446 | 57,866 | 15,841 | R 101,356 | R 286,595 | 17,078 | 827 | 141 |
| 2008 | 16,409 | 1,314 | R 27,192 | 19,474 | 56,334 | 51,529 | 17,608 | R 89,578 | R 261,715 | 15,371 | 1,064 | 1,188 |
| 2009 | 15,736 | 1,264 | 32,743 | 16,073 | 58,461 | 54,693 | 16,429 | 86,212 | 264,612 | 16,782 | 1,236 | 3,142 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana
(Trillion Btu)

| | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| Year | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 0.0 | 1,003.8 | 62.4 | 17.4 | 86.8 | 118.5 | 55.1 | 131.6 | 471.8 | 1,475.5 | *1,003.8* | *118.5* |
| 1965 | (s) | 1,156.4 | 48.7 | 33.8 | 124.9 | 144.0 | 49.6 | 168.8 | 569.8 | 1,726.2 | *1,156.4* | *144.0* |
| 1970 | 0.0 | 1,894.2 | 68.7 | 32.6 | 179.7 | 183.1 | 69.9 | 232.5 | 766.5 | 2,660.7 | *1,894.2* | *183.1* |
| 1971 | 0.0 | 1,938.6 | 78.0 | 32.8 | 185.3 | 188.4 | 50.5 | 293.2 | 828.2 | 2,766.7 | *1,938.6* | *188.4* |
| 1972 | 0.0 | 1,996.0 | 103.8 | 32.4 | 223.3 | 204.7 | 54.4 | 317.4 | 936.1 | 2,932.1 | *1,996.0* | *204.7* |
| 1973 | 0.0 | 2,072.2 | 122.8 | 32.7 | 230.2 | 216.0 | 130.8 | 347.0 | 1,079.5 | 3,151.7 | *2,072.2* | *216.0* |
| 1974 | 0.0 | 2,068.6 | 126.1 | 44.1 | 222.8 | 217.2 | 178.9 | 349.6 | 1,138.7 | 3,207.3 | *2,068.6* | *217.2* |
| 1975 | 0.0 | 1,854.8 | 125.2 | 33.9 | 196.7 | 226.9 | 178.6 | 339.8 | 1,101.1 | 2,955.9 | *1,854.8* | *226.9* |
| 1976 | 0.0 | 2,121.4 | 128.6 | 28.5 | 198.7 | 243.1 | 245.5 | 402.2 | 1,246.6 | 3,368.0 | *2,121.4* | *243.1* |
| 1977 | 1.8 | 2,274.1 | 173.5 | 30.2 | 197.3 | 253.8 | 339.7 | 451.2 | 1,445.7 | 3,721.6 | *2,274.1* | *253.8* |
| 1978 | 3.7 | 2,349.7 | 180.8 | 31.2 | 200.0 | 263.0 | 339.4 | 482.4 | 1,496.7 | 3,850.2 | *2,349.7* | *263.0* |
| 1979 | 2.5 | 2,051.4 | 183.5 | 41.2 | 236.8 | 257.8 | 379.9 | 532.4 | 1,631.6 | 3,685.5 | *2,051.4* | *257.8* |
| 1980 | 2.5 | 1,862.2 | 131.5 | 48.4 | 194.3 | 247.7 | 402.9 | 564.2 | 1,589.0 | 3,453.6 | *1,862.2* | *247.7* |
| 1981 | 23.7 | 1,847.6 | 220.9 | 43.7 | 268.8 | 257.0 | 348.7 | 415.2 | 1,554.4 | 3,425.8 | *1,847.6* | *257.0* |
| 1982 | 64.3 | 1,629.2 | 179.8 | 45.8 | 319.8 | 264.8 | 293.7 | 367.9 | 1,471.9 | 3,165.3 | *1,629.2* | *264.8* |
| 1983 | 106.7 | 1,472.3 | 181.3 | 61.4 | 321.6 | 265.1 | 234.0 | 333.9 | 1,397.2 | 2,976.3 | *1,472.3* | *265.1* |
| 1984 | 119.1 | 1,661.3 | 155.0 | 71.4 | 227.9 | 264.7 | 189.0 | 345.6 | 1,253.6 | 3,033.9 | *1,661.3* | *264.7* |
| 1985 | 159.1 | 1,441.8 | 155.5 | 72.0 | 253.8 | 259.0 | 155.4 | 334.1 | 1,229.8 | 2,830.7 | *1,441.8* | *259.0* |
| 1986 | 171.9 | 1,496.1 | 165.5 | 100.5 | 220.9 | 262.2 | 166.7 | 411.9 | 1,327.8 | 2,995.8 | *1,496.1* | *262.2* |
| 1987 | 172.4 | 1,560.7 | 155.3 | 106.3 | 195.0 | 253.3 | 151.5 | 440.5 | 1,302.0 | 3,035.0 | *1,560.7* | *253.3* |
| 1988 | 212.1 | 1,506.4 | 167.2 | 120.7 | 192.0 | 256.4 | 167.7 | 482.5 | 1,386.6 | 3,105.1 | *1,506.4* | *256.4* |
| 1989 | 207.7 | 1,622.9 | 169.8 | 125.8 | 186.4 | 246.3 | 162.5 | 479.3 | 1,370.2 | 3,200.8 | *1,622.9* | *246.3* |
| 1990 | 208.9 | 1,654.7 | 175.1 | 146.1 | 172.2 | 231.0 | 144.5 | 512.1 | 1,381.0 | 3,244.5 | *1,654.7* | *231.0* |
| 1991 | 214.2 | 1,596.8 | 164.9 | 181.9 | 187.8 | 225.9 | 163.1 | 435.8 | 1,359.3 | 3,170.3 | *1,596.8* | *225.9* |
| 1992 | 223.5 | 1,619.5 | 149.0 | 152.3 | 196.6 | 237.0 | 188.1 | 499.1 | 1,422.1 | 3,265.1 | *1,619.5* | *237.0* |
| 1993 | 223.5 | 1,637.0 | 178.3 | 142.0 | 200.6 | R 241.3 | 173.0 | 512.4 | 1,447.6 | 3,308.1 | *1,637.0* | *242.0* |
| 1994 | 230.9 | 1,649.0 | 202.9 | 182.6 | 245.7 | 237.5 | 152.1 | 520.1 | 1,540.9 | 3,420.8 | *1,649.0* | *238.6* |
| 1995 | 216.8 | 1,737.3 | 213.1 | 163.6 | 242.6 | 245.7 | 145.0 | 497.3 | R 1,507.4 | 3,461.4 | *1,737.3* | *246.4* |
| 1996 | 205.4 | 1,687.6 | 248.4 | 164.6 | 240.8 | 265.2 | 166.9 | 378.2 | 1,464.0 | 3,357.0 | *1,687.6* | *265.3* |
| 1997 | 226.1 | 1,857.1 | 256.0 | 172.8 | 171.0 | 244.5 | 135.4 | 407.7 | 1,387.4 | 3,470.5 | *1,857.1* | *244.6* |
| 1998 | 225.3 | 1,679.0 | 237.8 | 162.6 | 168.7 | 261.1 | 138.0 | 357.1 | 1,325.3 | 3,229.7 | *1,679.0* | *261.1* |
| 1999 | 227.7 | 1,558.3 | 210.7 | 192.9 | 271.6 | 258.9 | 139.1 | 368.1 | 1,441.3 | 3,227.3 | *1,558.3* | *259.1* |
| 2000 | 253.3 | 1,625.9 | 225.9 | 200.7 | 400.6 | 283.9 | 183.9 | 350.1 | 1,645.0 | 3,524.1 | *1,625.9* | *283.9* |
| 2001 | 240.0 | 1,341.8 | 247.5 | 195.4 | 273.9 | 278.6 | 85.5 | 610.2 | 1,691.1 | 3,272.9 | *1,341.8* | *278.6* |
| 2002 | 232.1 | 1,470.7 | 240.2 | 213.6 | 292.5 | R 283.7 | 73.9 | 603.9 | R 1,707.7 | R 3,410.5 | *1,470.7* | *286.8* |
| 2003 | 248.0 | 1,349.4 | 190.1 | 216.2 | 166.3 | R 295.2 | 89.4 | 649.3 | R 1,606.4 | R 3,203.8 | *1,349.4* | *299.2* |
| 2004 | 256.7 | 1,389.5 | 193.3 | 203.2 | 188.8 | R 286.7 | 96.0 | 678.9 | R 1,647.1 | R 3,293.4 | *1,389.5* | *290.8* |
| 2005 | 253.5 | 1,363.4 | 198.4 | 160.2 | 178.3 | 296.5 | 102.6 | 651.4 | 1,587.4 | R 3,204.4 | *1,363.4* | *296.6* |
| 2006 | 265.2 | 1,341.9 | 210.3 | 131.9 | 212.2 | R 331.2 | 106.6 | R 623.2 | R 1,615.4 | R 3,222.5 | *1,341.9* | *331.3* |
| 2007 | 249.8 | 1,422.1 | 190.3 | 127.1 | 202.7 | 301.5 | 99.6 | R 593.1 | R 1,514.3 | R 3,186.3 | *1,422.1* | *302.0* |
| 2008 | 262.5 | R 1,359.7 | R 158.4 | 110.4 | 202.8 | R 264.8 | 110.7 | R 525.5 | R 1,372.6 | R 2,994.8 | R *1,359.7* | *268.9* |
| 2009 | 252.5 | 1,300.3 | 190.7 | 91.1 | 208.0 | 274.5 | 103.3 | 506.9 | 1,374.5 | 2,927.3 | *1,300.3* | *285.4* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.0 | 39.0 | NA | NA | 39.0 | 0.0 | NA | NA | 39.0 | -7.5 | 0.0 | 1,507.0 |
| 1965 | 0.0 | 0.0 | 38.3 | NA | NA | 38.3 | 0.0 | NA | NA | 38.3 | R 1.2 | 0.0 | R 1,765.7 |
| 1970 | 0.0 | 0.0 | 41.6 | NA | NA | 41.6 | 0.0 | NA | NA | 41.6 | R 0.7 | 0.0 | R 2,703.0 |
| 1971 | 0.0 | 0.0 | 41.9 | NA | NA | 41.9 | 0.0 | NA | NA | 41.9 | R -5.0 | 0.0 | R 2,803.7 |
| 1972 | 0.0 | 0.0 | 44.8 | NA | NA | 44.8 | 0.0 | NA | NA | 44.8 | R 1.8 | 0.0 | R 2,978.7 |
| 1973 | 0.0 | 0.0 | 45.7 | NA | NA | 45.7 | 0.0 | NA | NA | 45.7 | R 7.6 | 0.0 | R 3,205.0 |
| 1974 | 0.0 | 0.0 | 44.9 | NA | NA | 44.9 | 0.0 | NA | NA | 44.9 | R 35.9 | 0.0 | R 3,288.1 |
| 1975 | 0.0 | 0.0 | 42.4 | NA | NA | 42.4 | 0.0 | NA | NA | 42.4 | R 5.4 | 0.0 | R 3,003.7 |
| 1976 | 0.0 | 0.0 | 45.2 | NA | NA | 45.2 | 0.0 | NA | NA | 45.2 | R -9.5 | 0.0 | R 3,403.6 |
| 1977 | 0.0 | 0.0 | 46.7 | NA | NA | 46.7 | 0.0 | NA | NA | 46.7 | R 8.0 | 0.0 | R 3,776.3 |
| 1978 | 0.0 | 0.0 | 47.8 | NA | NA | 47.8 | 0.0 | NA | NA | 47.8 | R 17.6 | 0.0 | R 3,915.6 |
| 1979 | 0.0 | 0.0 | 44.7 | NA | NA | 44.7 | 0.0 | NA | NA | 44.7 | R 70.6 | 0.0 | R 3,800.8 |
| 1980 | 0.0 | 0.0 | 64.7 | NA | NA | 64.7 | 0.0 | NA | NA | 64.7 | R 120.0 | 0.0 | R 3,638.3 |
| 1981 | 0.0 | 0.0 | 68.3 | 0.0 | 0.0 | 68.3 | 0.0 | NA | NA | 68.3 | R 178.7 | 0.0 | R 3,672.8 |
| 1982 | 0.0 | 0.0 | 69.7 | 0.0 | 0.0 | 69.7 | 0.0 | NA | NA | 69.7 | R 193.9 | 0.0 | R 3,428.9 |
| 1983 | 0.0 | 0.0 | 74.7 | 0.0 | 0.0 | 74.7 | 0.0 | NA | 0.0 | 74.7 | R 217.3 | 0.0 | R 3,268.3 |
| 1984 | 0.0 | 0.0 | 78.6 | 0.2 | 0.0 | 78.8 | 0.0 | 0.0 | 0.0 | 78.8 | R 257.3 | 0.0 | R 3,370.0 |
| 1985 | 26.1 | 0.0 | 78.5 | 0.8 | 0.0 | R 79.3 | 0.0 | 0.0 | 0.0 | R 79.3 | R 207.3 | 0.0 | R 3,143.5 |
| 1986 | 112.5 | 0.0 | 99.8 | 2.5 | 0.0 | R 102.3 | 0.0 | 0.0 | 0.0 | R 102.3 | R 94.0 | 0.0 | R 3,304.6 |
| 1987 | 128.7 | 0.0 | 100.1 | 2.1 | 0.0 | R 102.2 | 0.0 | 0.0 | 0.0 | R 102.2 | R 98.0 | 0.0 | R 3,363.9 |
| 1988 | 146.2 | 0.0 | 103.9 | 0.7 | 0.0 | 104.6 | 0.0 | 0.0 | 0.0 | 104.6 | R 45.5 | 0.0 | R 3,401.4 |
| 1989 | 131.1 | 0.0 | 129.1 | 0.5 | 0.0 | R 129.6 | 0.1 | 0.1 | 0.0 | 129.8 | R 94.8 | 0.0 | R 3,556.5 |
| 1990 | 150.2 | 6.8 | 118.2 | 0.3 | 0.0 | 118.5 | 0.1 | 0.1 | 0.0 | 125.5 | R 65.4 | 0.0 | R 3,585.7 |
| 1991 | 146.3 | 6.9 | 120.5 | 0.6 | 0.0 | R 121.0 | 0.1 | 0.1 | 0.0 | 128.1 | R 81.9 | 0.0 | R 3,526.7 |
| 1992 | 108.4 | 6.8 | 123.8 | 0.8 | 0.0 | 124.6 | 0.1 | 0.1 | 0.0 | 131.6 | R 112.0 | 0.0 | R 3,617.2 |
| 1993 | 151.2 | 12.7 | 124.6 | 0.8 | 0.0 | R 125.3 | 0.2 | 0.1 | 0.0 | 138.3 | R 83.2 | 0.0 | R 3,680.7 |
| 1994 | 133.6 | 10.0 | 136.9 | 1.1 | 0.0 | 138.0 | 0.2 | 0.1 | 0.0 | R 148.3 | R 93.3 | 0.0 | R 3,796.0 |
| 1995 | 164.8 | 9.8 | 141.4 | 0.6 | 0.0 | 142.1 | 0.3 | 0.1 | 0.0 | R 152.2 | R 67.2 | 0.0 | R 3,845.7 |
| 1996 | 165.6 | 10.0 | 142.1 | 0.2 | 0.0 | 142.3 | 0.3 | 0.1 | 0.0 | 152.6 | R 171.6 | 0.0 | R 3,846.8 |
| 1997 | 141.8 | 10.6 | 138.7 | 0.1 | 0.0 | 138.7 | 0.3 | 0.1 | 0.0 | 149.7 | R 148.4 | 0.0 | R 3,910.4 |
| 1998 | 172.3 | 10.8 | 136.2 | 0.1 | 0.0 | 136.2 | 0.4 | 0.1 | 0.0 | 147.5 | R 94.4 | 0.0 | R 3,643.9 |
| 1999 | 137.0 | 8.2 | 139.7 | 0.1 | 0.0 | 139.8 | 0.5 | 0.1 | 0.0 | 148.5 | R 144.4 | 0.0 | R 3,657.2 |
| 2000 | 164.7 | 5.4 | 136.5 | (s) | 0.0 | 136.5 | 0.5 | 0.1 | 0.0 | 142.4 | R 136.5 | 0.0 | R 3,967.8 |
| 2001 | 181.0 | 7.6 | 128.0 | (s) | 0.0 | 128.0 | 0.5 | 0.1 | 0.0 | 136.1 | R 100.5 | 0.0 | R 3,690.5 |
| 2002 | 180.7 | 9.1 | 131.3 | 3.1 | 0.0 | R 134.4 | 0.5 | 0.1 | 0.0 | 144.1 | R 95.5 | 0.0 | R 3,830.7 |
| 2003 | 168.1 | 9.1 | 138.8 | 4.0 | 0.0 | R 142.8 | 0.7 | 0.1 | 0.0 | R 152.7 | R 148.4 | 0.0 | R 3,673.0 |
| 2004 | 178.1 | 11.0 | 173.8 | 4.0 | 0.0 | R 177.8 | 0.8 | 0.1 | 0.0 | R 189.7 | R 133.0 | 0.0 | R 3,794.1 |
| 2005 | 163.6 | 8.1 | R 142.2 | 0.2 | 0.0 | R 142.4 | 0.9 | 0.1 | 0.0 | R 151.5 | R 80.1 | 0.0 | R 3,599.6 |
| 2006 | 174.7 | 7.1 | R 141.4 | 0.2 | 0.0 | R 141.5 | 1.0 | 0.1 | 0.0 | R 149.7 | R 160.5 | 0.0 | R 3,707.3 |
| 2007 | 179.1 | 8.2 | R 140.7 | 0.5 | 0.0 | R 141.1 | 1.1 | 0.1 | 0.0 | R 150.5 | R 160.4 | 0.0 | R 3,676.2 |
| 2008 | 160.7 | 10.5 | R 97.7 | 4.1 | 0.1 | R 101.9 | 1.3 | 0.1 | 0.0 | R 113.8 | R 142.5 | 0.0 | R 3,411.7 |
| 2009 | 175.5 | 12.1 | 93.5 | 10.9 | 0.1 | 104.4 | 1.5 | 0.1 | 0.0 | 118.2 | 145.3 | 0.0 | 3,366.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 0 | 850 | 10,688 | 3,207 | 21,646 | 22,550 | 8,733 | 21,897 | 88,721 | 0 | – – | – – | – – | – – | 9,859 | – – | – – | – – |
| 1965 | 0 | 934 | 8,337 | 6,097 | 31,150 | 27,404 | 7,855 | 28,260 | 109,103 | 0 | – – | – – | – – | – – | 15,964 | – – | – – | – – |
| 1970 | 0 | 1,509 | 11,741 | 5,879 | 47,555 | 34,850 | 11,020 | 39,255 | 150,299 | 0 | – – | – – | – – | – – | 29,401 | – – | – – | – – |
| 1975 | 0 | 1,432 | 21,413 | 6,082 | 52,953 | 43,192 | 22,711 | 58,036 | 204,387 | 0 | – – | – – | – – | – – | 36,121 | – – | – – | – – |
| 1980 | 111 | 1,369 | 21,405 | 8,644 | 52,872 | 47,157 | 56,989 | 98,408 | 285,473 | 0 | – – | – – | – – | – – | 52,877 | – – | – – | – – |
| 1985 | 457 | 1,101 | 26,569 | 12,803 | 70,430 | 49,302 | 24,658 | 56,821 | 240,585 | 0 | – – | – – | – – | – – | 60,671 | – – | – – | – – |
| 1990 | 799 | 1,302 | 29,906 | 25,879 | 47,504 | 43,967 | 22,907 | 89,012 | 259,174 | 0 | – – | – – | – – | – – | 63,826 | – – | – – | – – |
| 1995 | 427 | 1,354 | 36,506 | 28,853 | 66,974 | 47,247 | 23,046 | 83,252 | 285,879 | 0 | – – | – – | – – | – – | 72,827 | – – | – – | – – |
| 2000 | 57 | 1,232 | 38,438 | 35,399 | 111,059 | 54,489 | 28,537 | 55,950 | 323,871 | 0 | – – | – – | – – | – – | 80,690 | – – | – – | – – |
| 2001 | 80 | 1,063 | 41,832 | 34,460 | 75,798 | 53,482 | 11,235 | 102,699 | 319,505 | 0 | – – | – – | – – | – – | 74,693 | – – | – – | – – |
| 2002 | 53 | 1,103 | 41,123 | 37,678 | 80,954 | 55,065 | 11,715 | 101,639 | 328,173 | 0 | – – | – – | – – | – – | 79,261 | – – | – – | – – |
| 2003 | 130 | 1,071 | 32,421 | 38,124 | 45,831 | 57,453 | 12,595 | 109,245 | 295,669 | 0 | – – | – – | – – | – – | 77,769 | – – | – – | – – |
| 2004 | 84 | 1,101 | 32,998 | 35,840 | 52,196 | 55,756 | 12,306 | 114,889 | 303,984 | 0 | – – | – – | – – | – – | 79,737 | – – | – – | – – |
| 2005 | 66 | 1,025 | 33,916 | 28,255 | 49,250 | 56,846 | 13,284 | 109,859 | 291,409 | 0 | – – | – – | – – | – – | 77,389 | – – | – – | – – |
| 2006 | 73 | 1,097 | 36,058 | 23,264 | 58,859 | 63,493 | 16,586 | 103,133 | 301,393 | 0 | – – | – – | – – | – – | 77,468 | – – | – – | – – |
| 2007 | 71 | 1,152 | 32,606 | 22,416 | 56,446 | 57,866 | 15,371 | 97,735 | 282,441 | 0 | – – | – – | – – | – – | 79,567 | – – | – – | – – |
| 2008 | 72 | 1,077 | 27,123 | 19,474 | 56,334 | 51,529 | 17,145 | 86,168 | 257,773 | 0 | – – | – – | – – | – – | 78,722 | – – | – – | – – |
| 2009 | 14 | 1,041 | 32,666 | 16,073 | 58,461 | 54,693 | 16,369 | 83,379 | 261,643 | 0 | – – | – – | – – | – – | 78,670 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.0 | 879.8 | 62.3 | 17.4 | 86.8 | 118.5 | 54.9 | 131.6 | 471.4 | 0.0 | 39.0 | NA | NA | NA | 33.6 | 1,423.8 | 83.2 | 1,507.0 |
| 1965 | 0.0 | 973.5 | 48.6 | 33.8 | 124.9 | 144.0 | 49.4 | 168.8 | 569.4 | 0.0 | 38.3 | NA | NA | NA | 54.5 | 1,635.7 | 130.0 | 1,765.7 |
| 1970 | 0.0 | 1,552.9 | 68.4 | 32.6 | 179.7 | 183.1 | 69.3 | 232.5 | 765.5 | 0.0 | 41.6 | NA | NA | NA | 100.3 | 2,460.3 | 242.7 | 2,703.0 |
| 1975 | 0.0 | 1,477.6 | 124.7 | 33.9 | 196.7 | 226.9 | 142.8 | 339.8 | 1,064.8 | 0.0 | 42.4 | NA | NA | NA | 123.2 | 2,708.0 | 295.6 | 3,003.7 |
| 1980 | 2.5 | 1,419.8 | 124.7 | 48.4 | 194.3 | 247.7 | 358.3 | 564.2 | 1,537.5 | 0.0 | 64.7 | NA | NA | NA | 180.4 | 3,204.9 | 433.4 | 3,638.3 |
| 1985 | 11.0 | 1,143.4 | 154.8 | 72.0 | 253.8 | 259.0 | 155.0 | 334.1 | 1,228.6 | 0.0 | 78.5 | 0.0 | NA | NA | 207.0 | 2,669.4 | 474.1 | 3,143.5 |
| 1990 | 16.0 | 1,356.1 | 174.2 | 146.1 | 172.2 | 231.0 | 144.0 | 511.4 | 1,378.8 | 0.0 | 116.8 | 0.0 | 0.1 | 0.1 | 217.8 | 3,086.0 | 499.7 | 3,585.7 |
| 1995 | 7.8 | 1,398.8 | 212.7 | 163.6 | 242.6 | 246.4 | 144.9 | 479.1 | 1,489.2 | 0.0 | 140.2 | 0.0 | 0.3 | 0.1 | 248.5 | 3,284.8 | 560.9 | 3,845.7 |
| 2000 | 1.4 | 1,310.6 | 223.9 | 200.7 | 400.6 | 283.9 | 179.4 | 333.4 | 1,621.9 | 0.0 | 135.4 | 0.0 | 0.5 | 0.1 | 275.3 | 3,345.1 | 622.7 | 3,967.8 |
| 2001 | 2.0 | 1,088.9 | 243.7 | 195.4 | 273.9 | 278.6 | 70.6 | 590.3 | 1,652.5 | 0.0 | 127.1 | 0.0 | 0.5 | 0.1 | 254.9 | 3,125.9 | 564.6 | 3,690.5 |
| 2002 | 1.3 | 1,138.1 | 239.5 | 213.6 | 292.5 | 286.8 | 73.7 | 584.6 | 1,690.7 | 0.0 | 130.3 | 0.0 | 0.5 | 0.1 | 270.4 | 3,231.4 | 599.3 | 3,830.7 |
| 2003 | 3.1 | 1,105.3 | 188.9 | 216.2 | 166.3 | 299.2 | 79.2 | 628.8 | 1,578.5 | 0.0 | 137.8 | 0.0 | 0.7 | 0.1 | 265.3 | 3,090.9 | 582.1 | 3,673.0 |
| 2004 | 2.1 | 1,137.0 | 192.2 | 203.2 | 188.8 | 290.8 | 77.4 | 658.7 | 1,611.1 | 0.0 | 172.6 | 0.0 | 0.8 | 0.1 | 272.1 | 3,195.7 | 598.4 | 3,794.1 |
| 2005 | 1.6 | 1,070.0 | 197.6 | 160.2 | 178.3 | 296.6 | 83.5 | 631.5 | 1,547.7 | 0.0 | 141.1 | 0.0 | 0.9 | 0.1 | 264.1 | 3,025.4 | 574.2 | 3,599.6 |
| 2006 | 1.8 | 1,138.6 | 210.0 | 131.9 | 212.2 | 331.3 | 104.3 | 603.2 | 1,592.9 | 0.0 | 140.3 | 0.0 | 1.0 | 0.1 | 264.3 | 3,139.1 | 568.2 | 3,707.3 |
| 2007 | 1.7 | 1,190.4 | 189.9 | 127.1 | 202.7 | 302.0 | 96.6 | 571.3 | 1,489.7 | 0.0 | 139.4 | 0.0 | 1.1 | 0.1 | 271.5 | 3,093.9 | 582.3 | 3,676.2 |
| 2008 | 1.7 | 1,115.6 | 158.0 | 110.4 | 202.8 | 268.9 | 107.8 | 505.0 | 1,352.9 | 0.0 | 96.5 | 0.1 | 1.3 | 0.1 | 268.6 | 2,836.8 | 574.9 | 3,411.7 |
| 2009 | 0.3 | 1,071.1 | 190.3 | 91.1 | 208.0 | 285.4 | 102.9 | 489.8 | 1,367.5 | 0.0 | 92.4 | 0.1 | 1.5 | 0.1 | 268.4 | 2,801.5 | 564.8 | 3,366.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 56 | 11 | 7 | 1,325 | 1,344 | 453 | – – | – – | 3,014 | – – | – – | – – |
| 1965 | 0 | 61 | 6 | 14 | 1,826 | 1,846 | 304 | – – | – – | 5,161 | – – | – – | – – |
| 1970 | 0 | 86 | 6 | 20 | 2,292 | 2,318 | 219 | – – | – – | 9,334 | – – | – – | – – |
| 1975 | 0 | 96 | 10 | 21 | 1,765 | 1,796 | 257 | – – | – – | 11,923 | – – | – – | – – |
| 1980 | 1 | 73 | 5 | 0 | 970 | 976 | 178 | – – | – – | 16,832 | – – | – – | – – |
| 1985 | 0 | 61 | 6 | 18 | 836 | 860 | 342 | – – | – – | 20,168 | – – | – – | – – |
| 1990 | 0 | 53 | 6 | 13 | 655 | 674 | 271 | – – | – – | 21,434 | – – | – – | – – |
| 1995 | 1 | 53 | 1 | 9 | 530 | 540 | 388 | – – | – – | 24,116 | – – | – – | – – |
| 1996 | 0 | 57 | 1 | 17 | 669 | 687 | 403 | – – | – – | 24,311 | – – | – – | – – |
| 1997 | (s) | 53 | (s) | 92 | 736 | 829 | 195 | – – | – – | 24,502 | – – | – – | – – |
| 1998 | 0 | 48 | 1 | 69 | 1,074 | 1,144 | 173 | – – | – – | 26,709 | – – | – – | – – |
| 1999 | 0 | 45 | 3 | 62 | 1,598 | 1,664 | 182 | – – | – – | 26,426 | – – | – – | – – |
| 2000 | 0 | 50 | 1 | 26 | 1,900 | 1,927 | 196 | – – | – – | 27,719 | – – | – – | – – |
| 2001 | 0 | 49 | 1 | 27 | 1,776 | 1,804 | 175 | – – | – – | 25,800 | – – | – – | – – |
| 2002 | 0 | 49 | 9 | 13 | 940 | 962 | 177 | – – | – – | 28,157 | – – | – – | – – |
| 2003 | 0 | 47 | 4 | 9 | 754 | 768 | 186 | – – | – – | 28,572 | – – | – – | – – |
| 2004 | 0 | 43 | 4 | 10 | 688 | 702 | 191 | – – | – – | 28,863 | – – | – – | – – |
| 2005 | 0 | 41 | 5 | 8 | 829 | 841 | R 74 | – – | – – | 28,654 | – – | – – | – – |
| 2006 | 0 | 33 | 6 | 8 | 850 | 864 | R 68 | – – | – – | 28,113 | – – | – – | – – |
| 2007 | (s) | 37 | 5 | 6 | 535 | 546 | R 75 | – – | – – | 28,878 | – – | – – | – – |
| 2008 | 0 | 37 | 46 | 3 | 628 | 677 | R 78 | – – | – – | 28,846 | – – | – – | – – |
| 2009 | 0 | 37 | 26 | 2 | 817 | 846 | 75 | – – | – – | 29,747 | – – | – – | – – |
| | | | | | | | **Trillion Btu** | | | | | | |
| 1960 | 0.0 | 57.8 | 0.1 | (s) | 5.3 | 5.4 | 9.1 | NA | NA | 10.3 | 82.5 | 25.4 | 108.0 |
| 1965 | 0.0 | 63.6 | (s) | 0.1 | 7.3 | 7.4 | 6.1 | NA | NA | 17.6 | 94.7 | R 42.0 | 136.8 |
| 1970 | 0.0 | 88.6 | (s) | 0.1 | 8.7 | 8.8 | 4.4 | NA | NA | 31.8 | 133.7 | R 77.0 | R 210.7 |
| 1975 | 0.0 | 99.3 | 0.1 | 0.1 | 6.6 | 6.7 | 5.1 | NA | NA | 40.7 | 151.8 | R 97.6 | R 249.4 |
| 1980 | (s) | 75.8 | (s) | 0.0 | 3.6 | 3.6 | 3.6 | NA | NA | 57.4 | 140.4 | R 138.0 | R 278.4 |
| 1985 | 0.0 | 63.0 | (s) | 0.1 | 3.0 | 3.1 | 6.8 | NA | NA | 68.8 | 141.8 | R 157.6 | R 299.4 |
| 1990 | 0.0 | 55.6 | (s) | 0.1 | 2.4 | 2.5 | 5.4 | 0.1 | 0.1 | 73.1 | 136.8 | R 167.8 | R 304.6 |
| 1995 | (s) | 54.3 | (s) | 0.1 | 1.9 | 2.0 | 7.8 | 0.1 | 0.1 | 82.3 | 146.6 | R 185.7 | R 332.4 |
| 1996 | 0.0 | 59.1 | (s) | 0.1 | 2.4 | 2.5 | 8.1 | 0.2 | 0.1 | 82.9 | 152.9 | R 187.4 | R 340.3 |
| 1997 | (s) | 59.8 | (s) | 0.5 | 2.7 | 3.2 | 3.9 | 0.2 | 0.1 | 83.6 | 150.7 | R 188.2 | R 338.9 |
| 1998 | 0.0 | 51.2 | (s) | 0.4 | 3.9 | 4.3 | 3.5 | 0.2 | 0.1 | 91.1 | 150.4 | R 205.4 | R 355.7 |
| 1999 | 0.0 | 47.0 | (s) | 0.4 | 5.8 | 6.2 | 3.6 | 0.2 | 0.1 | 90.2 | 147.3 | R 205.0 | R 352.2 |
| 2000 | 0.0 | 52.9 | (s) | 0.1 | 6.9 | 7.0 | 3.9 | 0.2 | 0.1 | 94.6 | 158.7 | R 213.9 | R 372.6 |
| 2001 | 0.0 | 50.2 | (s) | 0.2 | 6.4 | 6.6 | 3.5 | 0.2 | 0.1 | 88.0 | 148.6 | R 195.0 | R 343.6 |
| 2002 | 0.0 | 50.7 | 0.1 | 0.1 | 3.4 | 3.5 | 3.5 | 0.2 | 0.1 | 96.1 | 154.2 | R 212.9 | R 367.1 |
| 2003 | 0.0 | 48.8 | (s) | 0.1 | 2.7 | 2.8 | 3.7 | 0.3 | 0.1 | 97.5 | 153.3 | R 213.9 | R 367.1 |
| 2004 | 0.0 | 44.1 | (s) | 0.1 | 2.5 | 2.6 | 3.8 | 0.3 | 0.1 | 98.5 | 149.4 | R 216.6 | R 366.0 |
| 2005 | 0.0 | 43.0 | (s) | (s) | 3.0 | 3.1 | R 1.5 | 0.4 | 0.1 | 97.8 | R 145.8 | R 212.6 | R 358.4 |
| 2006 | 0.0 | 34.7 | (s) | (s) | 3.1 | 3.1 | R 1.4 | 0.5 | 0.1 | 95.9 | R 135.7 | R 206.2 | R 341.9 |
| 2007 | (s) | 38.4 | (s) | (s) | 1.9 | 2.0 | R 1.5 | 0.5 | 0.1 | 98.5 | R 141.0 | R 211.3 | R 352.4 |
| 2008 | 0.0 | 38.6 | 0.3 | (s) | 2.3 | 2.5 | R 1.6 | 0.6 | 0.1 | 98.4 | R 141.8 | R 210.7 | R 352.5 |
| 2009 | 0.0 | 37.6 | 0.2 | (s) | 2.9 | 3.1 | 1.5 | 0.8 | 0.1 | 101.5 | 144.6 | 213.6 | 358.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 23 | 1,604 | 156 | 518 | 259 | 304 | 2,841 | NA | – – | – – | 2,493 | – – | – – | – – |
| 1965 | 0 | 23 | 815 | 305 | 714 | 299 | 206 | 2,339 | NA | – – | – – | 4,890 | – – | – – | – – |
| 1970 | 0 | 70 | 838 | 445 | 896 | 381 | 502 | 3,062 | NA | – – | – – | 8,427 | – – | – – | – – |
| 1975 | 0 | 51 | 1,458 | 467 | 690 | 465 | 1,830 | 4,910 | NA | – – | – – | 9,225 | – – | – – | – – |
| 1980 | 3 | 40 | 399 | 549 | 379 | 168 | 13,466 | 14,961 | NA | – – | – – | 12,809 | – – | – – | – – |
| 1985 | 0 | 30 | 2,647 | 65 | 327 | 235 | 575 | 3,850 | NA | – – | – – | 16,548 | – – | – – | – – |
| 1990 | 0 | 25 | 741 | 21 | 256 | 318 | 40 | 1,375 | 0 | – – | – – | 16,528 | – – | – – | – – |
| 1995 | 4 | 24 | 257 | 6 | 207 | 41 | 0 | 512 | 0 | – – | – – | 18,016 | – – | – – | – – |
| 1996 | 0 | 26 | 134 | 7 | 262 | 41 | 1 | 445 | 0 | – – | – – | 18,411 | – – | – – | – – |
| 1997 | (s) | 26 | 311 | 3 | 288 | 41 | 0 | 642 | 0 | – – | – – | 18,888 | – – | – – | – – |
| 1998 | 0 | 24 | 303 | 5 | 420 | 41 | 0 | 769 | 0 | – – | – – | 20,005 | – – | – – | – – |
| 1999 | 0 | 25 | 550 | 9 | 624 | 41 | 0 | 1,224 | 0 | – – | – – | 20,354 | – – | – – | – – |
| 2000 | 0 | 26 | 337 | 8 | 743 | 2,166 | 0 | 3,253 | 0 | – – | – – | 21,018 | – – | – – | – – |
| 2001 | 0 | 25 | 277 | 16 | 694 | 951 | 0 | 1,938 | 0 | – – | – – | 20,315 | – – | – – | – – |
| 2002 | 0 | 26 | 380 | 7 | 368 | 784 | (s) | 1,539 | 0 | – – | – – | 21,439 | – – | – – | – – |
| 2003 | 0 | 25 | 345 | 6 | 314 | 2,122 | 71 | 2,859 | 0 | – – | – – | 21,944 | – – | – – | – – |
| 2004 | 0 | 25 | 293 | 77 | 295 | 1,483 | 61 | 2,210 | 0 | – – | – – | 22,568 | – – | – – | – – |
| 2005 | 0 | 25 | 354 | 38 | 327 | 1,057 | 54 | 1,830 | 0 | – – | – – | 21,692 | – – | – – | – – |
| 2006 | 0 | 22 | 346 | 29 | 251 | 43 | 0 | 670 | 0 | – – | – – | 21,979 | – – | – – | – – |
| 2007 | (s) | 24 | 612 | 7 | 222 | 2,800 | 0 | 3,640 | 0 | – – | – – | 22,887 | – – | – – | – – |
| 2008 | 0 | 23 | R 576 | 4 | 258 | 43 | 0 | R 881 | 0 | – – | – – | 22,939 | – – | – – | – – |
| 2009 | 0 | 24 | 1,532 | 2 | 277 | 43 | 0 | 1,854 | 0 | – – | – – | 23,301 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 24.3 | 9.3 | 0.9 | 2.1 | 1.4 | 1.9 | 15.6 | NA | 0.2 | NA | 8.5 | 48.6 | 21.0 | 69.6 |
| 1965 | 0.0 | 23.5 | 4.7 | 1.7 | 2.9 | 1.6 | 1.3 | 12.2 | NA | 0.1 | NA | 16.7 | 52.5 | 39.8 | 92.4 |
| 1970 | 0.0 | 72.4 | 4.9 | 2.5 | 3.4 | 2.0 | 3.2 | 16.0 | NA | 0.1 | NA | 28.8 | 117.1 | 69.6 | 186.7 |
| 1975 | 0.0 | 52.3 | 8.5 | 2.6 | 2.6 | 2.4 | 11.5 | 27.6 | NA | 0.1 | NA | 31.5 | 111.5 | R 75.5 | R 187.0 |
| 1980 | 0.1 | 41.5 | 2.3 | 3.1 | 1.4 | 0.9 | 84.7 | 92.4 | NA | 0.1 | NA | 43.7 | 177.7 | R 105.0 | R 282.7 |
| 1985 | 0.0 | 31.4 | 15.4 | 0.4 | 1.2 | 1.2 | 3.6 | 21.8 | NA | 0.2 | NA | 56.5 | 109.8 | R 129.3 | R 239.1 |
| 1990 | 0.0 | 26.0 | 4.3 | 0.1 | 0.9 | 1.7 | 0.2 | 7.3 | 0.0 | 0.6 | 0.0 | 56.4 | 90.2 | R 129.4 | R 219.6 |
| 1995 | 0.1 | 24.6 | 1.5 | (s) | 0.7 | 0.2 | 0.0 | 2.5 | 0.0 | 1.1 | 0.1 | 61.5 | 89.9 | R 138.8 | R 228.6 |
| 1996 | 0.0 | 26.9 | 0.8 | (s) | 0.9 | 0.2 | (s) | 2.0 | 0.0 | 1.1 | 0.1 | 62.8 | 92.9 | R 142.0 | R 234.9 |
| 1997 | (s) | 29.1 | 1.8 | (s) | 1.0 | 0.2 | 0.0 | 3.1 | 0.0 | 0.7 | 0.2 | 64.4 | 97.4 | R 145.1 | R 242.5 |
| 1998 | 0.0 | 25.9 | 1.8 | (s) | 1.5 | 0.2 | 0.0 | 3.5 | 0.0 | 0.6 | 0.2 | 68.3 | 98.5 | R 153.8 | R 252.3 |
| 1999 | 0.0 | 25.6 | 3.2 | 0.1 | 2.3 | 0.2 | 0.0 | 5.7 | 0.0 | 0.6 | 0.2 | 69.4 | 101.6 | R 157.9 | R 259.5 |
| 2000 | 0.0 | 27.3 | 2.0 | (s) | 2.7 | 11.3 | 0.0 | 16.0 | 0.0 | 0.6 | 0.2 | 71.7 | 115.9 | R 162.2 | R 278.1 |
| 2001 | 0.0 | 25.2 | 1.6 | 0.1 | 2.5 | 5.0 | 0.0 | 9.2 | 0.0 | 0.6 | 0.2 | 69.3 | 104.5 | R 153.6 | R 258.1 |
| 2002 | 0.0 | 26.4 | 2.2 | (s) | 1.3 | 4.1 | (s) | 7.7 | 0.0 | 0.6 | 0.3 | 73.2 | 108.1 | R 162.1 | R 270.2 |
| 2003 | 0.0 | 26.0 | 2.0 | (s) | 1.1 | 11.1 | 0.4 | 14.7 | 0.0 | 0.7 | 0.4 | 74.9 | 116.5 | R 164.2 | R 280.8 |
| 2004 | 0.0 | 25.5 | 1.7 | 0.4 | 1.1 | 7.7 | 0.4 | 11.3 | 0.0 | 0.6 | 0.4 | 77.0 | 114.9 | R 169.4 | R 284.2 |
| 2005 | 0.0 | 26.2 | 2.1 | 0.2 | 1.2 | 5.5 | 0.3 | 9.3 | 0.0 | R 0.2 | 0.5 | 74.0 | R 110.2 | R 160.9 | R 271.2 |
| 2006 | 0.0 | 23.1 | 2.0 | 0.2 | 0.9 | 0.2 | 0.0 | 3.3 | 0.0 | R 0.2 | 0.5 | 75.0 | R 102.1 | R 161.2 | R 263.3 |
| 2007 | (s) | 24.7 | 3.6 | (s) | 0.8 | 14.6 | 0.0 | 19.0 | 0.0 | R 0.2 | 0.5 | 78.1 | R 122.5 | R 167.5 | R 290.0 |
| 2008 | 0.0 | 23.7 | R 3.4 | (s) | 0.9 | 0.2 | 0.0 | 4.5 | 0.0 | R 0.2 | 0.6 | 78.3 | R 107.3 | R 167.5 | R 274.8 |
| 2009 | 0.0 | 24.3 | 8.9 | (s) | 1.0 | 0.2 | 0.0 | 10.1 | 0.0 | 0.2 | 0.7 | 79.5 | 114.9 | 167.3 | 282.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 0 | 739 | 3,383 | 19,606 | 562 | 485 | 20,187 | 44,222 | 0 | – – | – – | – – | 4,326 | – – | – – | – – |
| 1965 | 0 | 797 | 3,129 | 28,451 | 548 | 353 | 26,225 | 58,706 | 0 | – – | – – | – – | 5,905 | – – | – – | – – |
| 1970 | 0 | 1,281 | 4,241 | 44,017 | 302 | 819 | 37,804 | 87,183 | 0 | – – | – – | – – | 11,637 | – – | – – | – – |
| 1975 | 0 | 1,224 | 6,391 | 50,191 | 173 | 4,046 | 56,727 | 117,528 | 0 | – – | – – | – – | 14,969 | – – | – – | – – |
| 1980 | 107 | 1,182 | 8,543 | 51,364 | 62 | 12,363 | 96,883 | 169,215 | 0 | – – | – – | – – | 23,233 | – – | – – | – – |
| 1985 | 457 | 968 | 6,748 | 69,158 | 486 | 6,806 | 55,911 | 139,109 | 0 | – – | – – | – – | 23,952 | – – | – – | – – |
| 1990 | 799 | 1,168 | 9,143 | 46,519 | 337 | 1,131 | 88,132 | 145,261 | 0 | – – | – – | – – | 25,862 | – – | – – | – – |
| 1995 | 422 | 1,213 | 11,348 | 66,176 | 771 | 382 | 82,446 | 161,123 | 0 | – – | – – | – – | 30,692 | – – | – – | – – |
| 1996 | 84 | 1,212 | 12,525 | 65,673 | 773 | 745 | 59,815 | 139,531 | 0 | – – | – – | – – | 32,544 | – – | – – | – – |
| 1997 | 67 | 1,232 | 12,565 | 46,228 | 825 | 1,013 | 63,984 | 124,616 | 0 | – – | – – | – – | 32,493 | – – | – – | – – |
| 1998 | 41 | 1,117 | 12,260 | 45,178 | 655 | 733 | 55,711 | 114,537 | 0 | – – | – – | – – | 30,999 | – – | – – | – – |
| 1999 | 37 | 1,055 | 10,720 | 72,855 | 570 | 1,194 | 57,938 | 143,277 | 0 | – – | – – | – – | 31,484 | – – | – – | – – |
| 2000 | 57 | 1,106 | 11,517 | 108,408 | 607 | 1,368 | 55,080 | 176,979 | 0 | – – | – – | – – | 31,950 | – – | – – | – – |
| 2001 | 80 | 942 | 12,192 | 73,311 | 1,162 | 992 | 101,681 | 189,338 | 0 | – – | – – | – – | 28,574 | – – | – – | – – |
| 2002 | 53 | 977 | 12,728 | 79,573 | 1,220 | 1,315 | 100,875 | 195,711 | 0 | – – | – – | – – | 29,662 | – – | – – | – – |
| 2003 | 130 | 952 | 5,224 | 44,727 | 1,306 | 2,854 | 108,499 | 162,610 | 0 | – – | – – | – – | 27,251 | – – | – – | – – |
| 2004 | 84 | 989 | 5,281 | 51,159 | 1,497 | 1,369 | 114,109 | 173,415 | 0 | – – | – – | – – | 28,290 | – – | – – | – – |
| 2005 | 66 | 917 | 6,080 | 48,025 | 1,410 | 2,773 | 109,119 | 167,408 | 0 | – – | – – | – – | 27,031 | – – | – – | – – |
| 2006 | 73 | 993 | 5,072 | 57,708 | 1,398 | 3,201 | R 102,417 | R 169,796 | 0 | – – | – – | – – | 27,373 | – – | – – | – – |
| 2007 | 71 | 1,039 | 5,081 | 55,650 | 1,643 | 590 | R 97,059 | R 160,024 | 0 | – – | – – | – – | 27,799 | – – | – – | – – |
| 2008 | 72 | 964 | R 5,561 | R 55,372 | 675 | 2,112 | R 85,502 | R 149,221 | 0 | – – | – – | – – | 26,932 | – – | – – | – – |
| 2009 | 14 | 933 | 8,965 | 57,313 | 662 | 1,689 | 82,781 | 151,410 | 0 | – – | – – | – – | 25,613 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.0 | 764.9 | 19.7 | 78.6 | 3.0 | 3.0 | 122.2 | 226.5 | 0.0 | 29.8 | NA | NA | 14.8 | 1,035.9 | 36.5 | 1,072.4 |
| 1965 | 0.0 | 830.0 | 18.2 | 114.1 | 2.9 | 2.2 | 157.7 | 295.1 | 0.0 | 32.1 | NA | NA | 20.1 | 1,177.4 | 48.1 | 1,225.5 |
| 1970 | 0.0 | 1,318.4 | 24.7 | 166.3 | 1.6 | 5.1 | 224.3 | 422.1 | 0.0 | 37.2 | NA | NA | 39.7 | 1,817.4 | 96.1 | R 1,913.4 |
| 1975 | 0.0 | 1,263.1 | 37.2 | 186.5 | 0.9 | 25.4 | 332.4 | 582.4 | 0.0 | 37.1 | NA | NA | 51.1 | 1,933.7 | R 122.5 | R 2,056.2 |
| 1980 | 2.4 | 1,225.4 | 49.8 | 188.7 | 0.3 | 77.7 | 555.4 | 872.0 | 0.0 | 61.1 | NA | NA | 79.3 | 2,240.1 | R 190.4 | R 2,430.5 |
| 1985 | 11.0 | 1,005.1 | 39.3 | 249.2 | 2.6 | 42.8 | 328.8 | 662.6 | 0.0 | 71.5 | 0.0 | NA | 81.7 | 1,832.0 | R 187.2 | R 2,019.2 |
| 1990 | 16.0 | 1,216.4 | 53.3 | 168.6 | 1.8 | 7.1 | 506.2 | 736.9 | 0.0 | 110.8 | 0.0 | 0.0 | 88.2 | 2,168.4 | R 202.5 | R 2,370.9 |
| 1995 | 7.7 | 1,252.9 | 66.1 | 239.8 | 4.0 | 2.4 | 474.3 | 786.6 | 0.0 | 131.3 | 0.0 | 0.0 | 104.7 | 2,283.2 | R 236.4 | R 2,519.6 |
| 1996 | 2.1 | 1,266.0 | 73.0 | 237.3 | 4.0 | 4.7 | 355.7 | 674.6 | 0.0 | 131.8 | 0.0 | 0.0 | 111.0 | 2,185.6 | R 250.9 | R 2,436.5 |
| 1997 | 1.7 | 1,398.0 | 73.2 | 167.2 | 4.3 | 6.4 | 382.8 | 633.8 | 0.0 | 132.9 | 0.0 | 0.0 | 110.9 | 2,277.2 | R 249.6 | R 2,526.8 |
| 1998 | 1.0 | 1,203.2 | 71.4 | 163.3 | 3.4 | 4.6 | 332.1 | 574.8 | 0.0 | 130.9 | 0.0 | 0.0 | 105.8 | 2,015.8 | R 238.4 | R 2,254.1 |
| 1999 | 0.9 | 1,100.5 | 62.4 | 263.4 | 3.0 | 7.5 | 345.0 | 681.3 | 0.0 | 134.1 | 0.0 | (s) | 107.4 | 2,024.4 | R 244.2 | R 2,268.6 |
| 2000 | 1.4 | 1,176.4 | 67.1 | 391.0 | 3.2 | 8.6 | 328.2 | 798.1 | 0.0 | 130.9 | 0.0 | (s) | 109.0 | 2,215.8 | R 246.6 | R 2,462.3 |
| 2001 | 2.0 | 964.0 | 71.0 | 264.9 | 6.1 | 6.2 | 584.4 | 932.7 | 0.0 | 122.9 | 0.0 | (s) | 97.5 | 2,119.1 | R 216.0 | R 2,335.2 |
| 2002 | 1.3 | 1,008.6 | 74.1 | 287.5 | 6.4 | 8.3 | 580.0 | 956.3 | 0.0 | 126.1 | 0.0 | (s) | 101.2 | 2,193.5 | R 224.3 | R 2,417.8 |
| 2003 | 3.1 | 981.9 | 30.4 | 162.3 | 6.8 | 17.9 | 624.4 | 841.9 | 0.0 | 133.4 | 0.0 | (s) | 93.0 | 2,053.3 | R 204.0 | R 2,257.3 |
| 2004 | 2.1 | 1,020.8 | 30.8 | 185.1 | 7.8 | 8.6 | 654.1 | 886.4 | 0.0 | 168.1 | 0.0 | (s) | 96.5 | 2,173.9 | R 212.3 | R 2,386.3 |
| 2005 | 1.6 | 957.1 | 35.4 | 173.9 | 7.4 | 17.4 | 627.1 | 861.2 | 0.0 | 139.4 | 0.0 | (s) | 92.2 | 2,051.5 | R 200.6 | R 2,252.1 |
| 2006 | 1.8 | 1,031.0 | 29.5 | 208.0 | 7.3 | 20.1 | R 599.0 | R 864.0 | 0.0 | R 138.8 | 0.0 | (s) | 93.4 | R 2,128.9 | R 200.8 | R 2,329.7 |
| 2007 | 1.7 | 1,073.4 | 29.6 | 199.8 | 8.6 | 3.7 | R 567.3 | R 809.0 | 0.0 | R 137.7 | 0.0 | (s) | 94.8 | R 2,116.6 | R 203.4 | R 2,320.1 |
| 2008 | 1.7 | R 998.0 | R 32.4 | 199.3 | 3.5 | 13.3 | R 501.0 | R 749.6 | 0.0 | R 94.7 | 0.1 | (s) | 91.9 | R 1,936.1 | R 196.7 | R 2,132.7 |
| 2009 | 0.3 | 960.3 | 52.2 | 203.9 | 3.5 | 10.6 | 486.2 | 756.4 | 0.0 | 90.6 | 0.1 | (s) | 87.4 | 1,895.3 | 183.9 | 2,079.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 0 | 32 | 847 | 5,690 | 3,207 | 197 | 700 | 21,729 | 7,944 | 40,314 | 25 | – – | – – | – – |
| 1965 | 0 | 54 | 1,055 | 4,387 | 6,097 | 159 | 661 | 26,557 | 7,297 | 46,213 | 7 | – – | – – | – – |
| 1970 | 0 | 71 | 447 | 6,655 | 5,879 | 350 | 539 | 34,167 | 9,699 | 57,736 | 4 | – – | – – | – – |
| 1975 | 0 | 61 | 295 | 13,554 | 6,082 | 307 | 527 | 42,554 | 16,835 | 80,154 | 3 | – – | – – | – – |
| 1980 | 0 | 74 | 255 | 12,457 | 8,644 | 159 | 721 | 46,927 | 31,159 | 100,321 | 3 | – – | – – | – – |
| 1985 | 0 | 42 | 171 | 17,168 | 12,803 | 109 | 656 | 48,581 | 17,277 | 96,767 | 3 | – – | – – | – – |
| 1990 | 0 | 56 | 108 | 20,015 | 25,879 | 73 | 738 | 43,312 | 21,737 | 111,863 | 3 | – – | – – | – – |
| 1995 | 0 | 65 | 87 | 24,900 | 28,853 | 61 | 704 | 46,434 | 22,664 | 123,704 | 3 | – – | – – | – – |
| 1996 | 0 | 68 | 81 | 29,783 | 29,030 | 45 | 683 | 50,057 | 25,489 | 135,168 | 3 | – – | – – | – – |
| 1997 | 0 | 72 | 98 | 30,980 | 30,472 | 45 | 722 | 46,053 | 19,497 | 127,866 | 3 | – – | – – | – – |
| 1998 | 0 | 60 | 78 | 28,180 | 28,670 | 21 | 756 | 49,410 | 20,255 | 127,368 | 3 | – – | – – | – – |
| 1999 | 0 | 48 | 87 | 24,841 | 34,016 | 26 | 764 | 49,106 | 20,336 | 129,177 | 3 | – – | – – | – – |
| 2000 | 0 | 51 | 84 | 26,583 | 35,399 | 8 | 752 | 51,716 | 27,170 | 141,711 | 3 | – – | – – | – – |
| 2001 | 0 | 48 | 286 | 29,362 | 34,460 | 17 | 689 | 51,368 | 10,243 | 126,424 | 3 | – – | – – | – – |
| 2002 | 0 | 51 | 62 | 28,006 | 37,678 | 73 | 681 | 53,061 | 10,400 | 129,961 | 3 | – – | – – | – – |
| 2003 | 0 | 47 | 102 | 26,848 | 38,124 | 36 | 630 | 54,025 | 9,670 | 129,433 | 3 | – – | – – | – – |
| 2004 | 0 | 45 | 55 | 27,420 | 35,840 | 54 | 638 | 52,776 | 10,875 | 127,658 | 16 | – – | – – | – – |
| 2005 | 0 | 42 | 60 | 27,476 | 28,255 | 69 | 634 | 54,379 | 10,456 | 121,330 | 12 | – – | – – | – – |
| 2006 | 0 | 48 | 60 | 30,634 | 23,264 | 51 | 618 | 62,052 | 13,385 | 130,064 | 3 | – – | – – | – – |
| 2007 | 0 | 52 | 25 | 26,908 | 22,416 | 40 | 638 | 53,422 | 14,782 | 118,231 | 3 | – – | – – | – – |
| 2008 | 0 | 53 | 67 | R 20,939 | 19,474 | R 77 | 593 | 50,810 | 15,033 | R 106,993 | 5 | – – | – – | – – |
| 2009 | 0 | 47 | 62 | 22,143 | 16,073 | 54 | 533 | 53,988 | 14,680 | 107,533 | 9 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 32.8 | 4.3 | 33.1 | 17.4 | 0.8 | 4.2 | 114.1 | 49.9 | 223.9 | 0.1 | 256.8 | 0.2 | 257.0 |
| 1965 | 0.0 | 56.4 | 5.3 | 25.6 | 33.8 | 0.6 | 4.0 | 139.5 | 45.9 | 254.7 | (s) | 311.1 | 0.1 | 311.1 |
| 1970 | 0.0 | 73.4 | 2.3 | 38.8 | 32.6 | 1.3 | 3.3 | 179.5 | 61.0 | 318.7 | (s) | 392.1 | (s) | 392.1 |
| 1975 | 0.0 | 63.0 | 1.5 | 79.0 | 33.9 | 1.1 | 3.2 | 223.5 | 105.8 | 448.0 | (s) | 511.0 | (s) | 511.1 |
| 1980 | 0.0 | 77.0 | 1.3 | 72.6 | 48.4 | 0.6 | 4.4 | 246.5 | 195.9 | 569.6 | (s) | 646.6 | (s) | 646.7 |
| 1985 | 0.0 | 43.9 | 0.9 | 100.0 | 72.0 | 0.4 | 4.0 | 255.2 | 108.6 | 541.0 | (s) | R 585.7 | (s) | 585.8 |
| 1990 | 0.0 | 58.1 | 0.5 | 116.6 | 146.1 | 0.3 | 4.5 | 227.5 | 136.7 | 632.1 | (s) | 690.5 | (s) | 690.6 |
| 1995 | 0.0 | 66.9 | 0.4 | 145.0 | 163.6 | 0.2 | 4.3 | 242.2 | 142.5 | 698.2 | (s) | 765.1 | (s) | 765.1 |
| 1996 | 0.0 | 70.8 | 0.4 | 173.5 | 164.6 | 0.2 | 4.1 | 261.1 | 160.3 | 764.1 | (s) | 835.0 | (s) | 835.0 |
| 1997 | 0.0 | 81.2 | 0.5 | 180.5 | 172.8 | 0.2 | 4.4 | 240.1 | 122.6 | 720.9 | (s) | 802.2 | (s) | 802.2 |
| 1998 | 0.0 | 65.1 | 0.4 | 164.1 | 162.6 | 0.1 | 4.6 | 257.5 | 127.3 | 716.6 | (s) | 781.8 | (s) | 781.8 |
| 1999 | 0.0 | 50.4 | 0.4 | 144.7 | 192.9 | 0.1 | 4.6 | 255.9 | 127.9 | 726.5 | (s) | 776.9 | (s) | 776.9 |
| 2000 | 0.0 | 54.0 | 0.4 | 154.8 | 200.7 | (s) | 4.6 | 269.4 | 170.8 | 800.8 | (s) | 854.8 | (s) | 854.8 |
| 2001 | 0.0 | 49.5 | 1.4 | 171.0 | 195.4 | 0.1 | 4.2 | 267.6 | 64.4 | 704.1 | (s) | 753.6 | (s) | 753.7 |
| 2002 | 0.0 | 52.4 | 0.3 | 163.1 | 213.6 | 0.3 | 4.1 | 276.3 | 65.4 | 723.2 | (s) | 775.7 | (s) | 775.7 |
| 2003 | 0.0 | 48.6 | 0.5 | 156.4 | 216.2 | 0.1 | 3.8 | 281.3 | 60.8 | 719.1 | (s) | 767.8 | (s) | 767.8 |
| 2004 | 0.0 | 46.6 | 0.3 | 159.7 | 203.2 | 0.2 | 3.9 | 275.2 | 68.4 | 710.9 | 0.1 | 757.5 | 0.1 | 757.6 |
| 2005 | 0.0 | 43.7 | 0.3 | 160.0 | 160.2 | 0.3 | 3.8 | 283.8 | 65.7 | 674.1 | (s) | 717.9 | 0.1 | 718.0 |
| 2006 | 0.0 | 49.8 | 0.3 | 178.4 | 131.9 | 0.2 | 3.7 | 323.8 | 84.2 | 722.5 | (s) | 772.4 | (s) | 772.4 |
| 2007 | 0.0 | 54.0 | 0.1 | 156.7 | 127.1 | 0.1 | 3.9 | 278.8 | 92.9 | 659.7 | (s) | 713.7 | (s) | 713.8 |
| 2008 | 0.0 | 55.3 | 0.3 | R 122.0 | 110.4 | 0.3 | 3.6 | 265.1 | 94.5 | R 596.2 | (s) | R 651.6 | (s) | R 651.6 |
| 2009 | 0.0 | 48.9 | 0.3 | 129.0 | 91.1 | 0.2 | 3.2 | 281.7 | 92.3 | 597.9 | (s) | 646.8 | 0.1 | 646.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Louisiana

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 120 | 36 | 22 | 0 | 58 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1965 | (s) | 176 | 34 | 20 | 0 | 54 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 0 | 332 | 98 | 58 | 0 | 156 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 0 | 356 | 5,699 | 88 | 0 | 5,787 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | 425 | 7,096 | 1,174 | 0 | 8,270 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 8,760 | 285 | 59 | 132 | 0 | 191 | 2,457 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 11,748 | 286 | 75 | 159 | 125 | 359 | 14,197 | 656 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 12,930 | 325 | 13 | 78 | 3,028 | 3,119 | 15,686 | 952 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 12,450 | 254 | 308 | 198 | 2,954 | 3,461 | 15,765 | 964 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 13,807 | 279 | 1,024 | 86 | 3,240 | 4,350 | 13,511 | 1,036 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 13,850 | 320 | 968 | 82 | 3,253 | 4,302 | 16,428 | 1,063 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 13,916 | 322 | 592 | 51 | 2,940 | 3,584 | 13,112 | 802 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 15,680 | 305 | 709 | 341 | 2,771 | 3,820 | 15,796 | 532 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 14,854 | 243 | 2,361 | 653 | 3,309 | 6,323 | 17,336 | 732 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 14,623 | 324 | 34 | 106 | 3,208 | 3,349 | 17,305 | 891 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 15,462 | 236 | 1,623 | 211 | 3,395 | 5,229 | 16,126 | 892 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 15,975 | 245 | 2,971 | 191 | 3,357 | 6,519 | 17,080 | 1,099 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 15,790 | 285 | 3,038 | 144 | 3,311 | 6,493 | 15,676 | 811 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 16,337 | 196 | 375 | 49 | 3,318 | 3,742 | 16,735 | 713 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 15,453 | 224 | 469 | 64 | 3,621 | 4,154 | 17,078 | 827 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 16,337 | 237 | 463 | 69 | 3,410 | 3,942 | 15,371 | 1,064 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 15,722 | 222 | 60 | 76 | 2,833 | 2,969 | 16,782 | 1,236 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 124.0 | 0.2 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 124.4 |
| 1965 | (s) | 182.9 | 0.2 | 0.1 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 183.3 |
| 1970 | 0.0 | 341.4 | 0.6 | 0.3 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 342.3 |
| 1975 | 0.0 | 377.1 | 35.8 | 0.5 | 0.0 | 36.3 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 413.5 |
| 1980 | 0.0 | 442.4 | 44.6 | 6.8 | 0.0 | 51.5 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 493.9 |
| 1985 | 148.1 | 298.4 | 0.4 | 0.8 | 0.0 | 1.1 | 26.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 473.8 |
| 1990 | 192.9 | 298.6 | 0.5 | 0.9 | 0.8 | 2.2 | 150.2 | 6.8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 652.1 |
| 1995 | 209.0 | 338.4 | 0.1 | 0.5 | 18.2 | 18.8 | 164.8 | 9.8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 742.2 |
| 1996 | 203.3 | 264.7 | 1.9 | 1.2 | 17.8 | 20.9 | 165.6 | 10.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 665.6 |
| 1997 | 224.4 | 288.9 | 6.4 | 0.5 | 19.5 | 26.5 | 141.8 | 10.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 693.3 |
| 1998 | 224.3 | 333.6 | 6.1 | 0.5 | 19.6 | 26.2 | 172.3 | 10.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 768.4 |
| 1999 | 226.8 | 334.7 | 3.7 | 0.3 | 17.7 | 21.7 | 137.0 | 8.2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 729.7 |
| 2000 | 251.9 | 315.3 | 4.5 | 2.0 | 16.7 | 23.1 | 164.7 | 5.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 761.5 |
| 2001 | 238.0 | 252.9 | 14.8 | 3.8 | 19.9 | 38.6 | 181.0 | 7.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 719.0 |
| 2002 | 230.8 | 332.5 | 0.2 | 0.6 | 19.3 | 20.2 | 180.7 | 9.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 774.3 |
| 2003 | 244.8 | 244.1 | 10.2 | 1.2 | 20.5 | 31.9 | 168.1 | 9.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 699.0 |
| 2004 | 254.7 | 252.5 | 18.7 | 1.1 | 20.2 | 40.0 | 178.1 | 11.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 737.4 |
| 2005 | 251.9 | 293.5 | 19.1 | 0.8 | 19.9 | 39.9 | 163.6 | 8.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 758.1 |
| 2006 | 263.4 | 203.3 | 2.4 | 0.3 | 20.0 | 22.6 | 174.7 | 7.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 672.1 |
| 2007 | 248.1 | 231.7 | 3.0 | 0.4 | 21.8 | 25.1 | 179.1 | 8.2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 693.4 |
| 2008 | 260.7 | 244.0 | 2.9 | 0.4 | 20.5 | 23.9 | 160.7 | 10.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 701.0 |
| 2009 | 252.2 | 229.2 | 0.4 | 0.4 | 17.1 | 17.9 | 175.5 | 12.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 688.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Maine

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 794 | 0 | 7,415 | 1,904 | 442 | 8,378 | 5,408 | 3,265 | 26,811 | 0 | 2,844 | NA |
| 1965 | 316 | 0 | 9,220 | 1,812 | 550 | 9,131 | 6,340 | 3,079 | 30,132 | 0 | 2,069 | NA |
| 1970 | 91 | 1 | 11,822 | 2,300 | 635 | 11,025 | 11,605 | 2,819 | 40,206 | 0 | 2,853 | NA |
| 1971 | 97 | 1 | 12,134 | 2,472 | 634 | 11,499 | 18,738 | 2,868 | 48,344 | 0 | 2,463 | NA |
| 1972 | 59 | 2 | 12,911 | 2,357 | 770 | 12,104 | 21,098 | 2,854 | 52,094 | 54 | 2,655 | NA |
| 1973 | 61 | 2 | 12,493 | 2,417 | 784 | 12,495 | 19,727 | 2,595 | 50,511 | 3,351 | 3,095 | NA |
| 1974 | 84 | 2 | 12,014 | 2,150 | 794 | 12,388 | 15,099 | 2,306 | 44,750 | 3,574 | 2,911 | NA |
| 1975 | 56 | 2 | 11,505 | 1,988 | 963 | 12,645 | 9,929 | 1,970 | 39,001 | 4,502 | 2,664 | NA |
| 1976 | 44 | 2 | 13,602 | 1,941 | 1,148 | 13,290 | 12,701 | 2,427 | 45,109 | 5,929 | 3,094 | NA |
| 1977 | 25 | 2 | 14,805 | 2,316 | 1,205 | 13,488 | 12,166 | 2,033 | 46,013 | 5,143 | 3,035 | NA |
| 1978 | 30 | 2 | 13,670 | 2,344 | 1,099 | 13,666 | 10,452 | 1,698 | 42,929 | 5,354 | 2,827 | NA |
| 1979 | 32 | 2 | 11,437 | 2,211 | 1,711 | 12,440 | 10,368 | 1,234 | 39,401 | 4,497 | 2,789 | NA |
| 1980 | 124 | 2 | 10,628 | 1,875 | 874 | 11,768 | 8,557 | 1,217 | 34,919 | 4,404 | 2,417 | NA |
| 1981 | 130 | 2 | 9,248 | 1,547 | 714 | 11,569 | 9,978 | 1,004 | 34,060 | 5,212 | 2,854 | 4 |
| 1982 | 283 | 3 | 9,164 | 1,595 | 837 | 11,807 | 15,448 | 991 | 39,843 | 4,524 | 2,943 | 0 |
| 1983 | 239 | 2 | 7,351 | 1,505 | 842 | 12,089 | 8,419 | 1,164 | 31,370 | 5,730 | 2,936 | 0 |
| 1984 | 200 | 2 | 9,042 | 1,520 | 605 | 12,281 | 10,328 | 2,416 | 36,192 | 5,123 | 2,987 | 0 |
| 1985 | 206 | 3 | 10,370 | 1,639 | 674 | 12,548 | 7,900 | 3,447 | 36,578 | 5,354 | 2,691 | 0 |
| 1986 | 375 | 2 | 12,341 | 1,615 | 1,038 | 13,436 | 12,812 | 1,635 | 42,877 | 6,242 | 3,007 | 0 |
| 1987 | 273 | 3 | 13,148 | 1,813 | 1,303 | 14,105 | 9,252 | 1,813 | 41,433 | 4,043 | 2,677 | 0 |
| 1988 | 277 | 3 | 15,076 | 2,103 | 1,608 | 15,368 | 12,129 | 2,842 | 49,127 | 5,017 | 2,542 | 0 |
| 1989 | 271 | 4 | 13,266 | 2,249 | 1,570 | 14,194 | 11,829 | 2,209 | 45,317 | 6,942 | 3,445 | 0 |
| 1990 | 401 | 5 | 13,331 | 2,528 | 1,391 | 14,126 | 10,630 | 1,565 | 43,572 | 4,861 | 4,091 | 0 |
| 1991 | 605 | 5 | 11,580 | 2,374 | 1,475 | 14,125 | 10,156 | 2,099 | 41,807 | 6,264 | 3,817 | 0 |
| 1992 | 1,093 | 5 | 12,152 | 1,904 | 1,234 | 14,123 | 9,585 | 1,993 | 40,990 | 5,358 | 3,513 | 0 |
| 1993 | 691 | 5 | 13,468 | 1,488 | 1,368 | 14,391 | 9,252 | 2,427 | 42,394 | 5,740 | 3,246 | 0 |
| 1994 | 701 | 5 | 14,629 | 992 | 1,383 | 14,512 | 11,336 | 1,886 | 44,738 | 6,632 | 3,511 | 0 |
| 1995 | 436 | 6 | 14,744 | 841 | 1,545 | 14,368 | 9,417 | 2,388 | 43,303 | 198 | 3,354 | 0 |
| 1996 | 390 | 6 | 14,950 | 891 | 1,832 | 14,959 | 9,576 | 3,539 | 45,747 | 5,062 | 4,157 | 0 |
| 1997 | 353 | 6 | 14,666 | 954 | 1,242 | 15,987 | 9,880 | 3,793 | 46,522 | 0 | 3,648 | 0 |
| 1998 | 291 | 6 | 15,242 | 930 | 1,403 | 15,319 | 8,943 | 4,215 | 46,053 | 0 | 3,716 | 0 |
| 1999 | 274 | 7 | 14,913 | 864 | 1,131 | 16,158 | 11,263 | 3,748 | 48,077 | 0 | 3,756 | 0 |
| 2000 | 388 | 45 | 15,317 | 908 | 1,321 | 16,328 | 9,499 | 3,776 | 47,149 | 0 | 3,591 | 0 |
| 2001 | 307 | 96 | 14,300 | 712 | 1,710 | 14,290 | 7,012 | 2,677 | 40,701 | 0 | 2,645 | 0 |
| 2002 | 311 | 102 | 14,567 | 671 | 1,236 | 16,871 | 6,095 | 1,833 | 41,273 | 0 | 2,768 | 0 |
| 2003 | 285 | 71 | 18,911 | 922 | 1,828 | 18,270 | 5,044 | 2,289 | 47,265 | 0 | 3,173 | 0 |
| 2004 | 286 | 73 | 19,539 | 1,088 | 1,240 | 17,005 | 4,731 | 2,983 | 46,585 | 0 | 3,430 | 0 |
| 2005 | 276 | 58 | 16,974 | 1,425 | 2,329 | 17,320 | 6,934 | 2,600 | 47,581 | 0 | 4,091 | 110 |
| 2006 | 259 | 50 | 15,610 | 1,790 | 2,109 | 16,996 | 4,543 | R 1,833 | R 42,881 | 0 | 4,278 | 162 |
| 2007 | 251 | 57 | 15,882 | 1,765 | 2,807 | 16,773 | 4,075 | R 1,673 | R 42,974 | 0 | 3,738 | 232 |
| 2008 | 227 | 61 | R 14,733 | 1,401 | 2,745 | 15,826 | 3,230 | R 795 | R 38,730 | 0 | 4,457 | 1,185 |
| 2009 | 65 | 70 | 13,294 | 1,230 | 3,070 | 15,991 | 3,601 | 808 | 37,993 | 0 | 4,212 | 1,510 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Maine

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 20.4 | 0.0 | 43.2 | 10.2 | 1.8 | 44.0 | 34.0 | 19.3 | 152.4 | 172.8 | *0.0* | *44.0* |
| 1965 | 8.0 | 0.0 | 53.7 | 9.7 | 2.2 | 48.0 | 39.9 | 18.2 | 171.6 | 179.6 | *0.0* | *48.0* |
| 1970 | 2.2 | 1.3 | 68.9 | 12.5 | 2.4 | 57.9 | 73.0 | 16.7 | 231.3 | 234.8 | *1.3* | *57.9* |
| 1971 | 2.3 | 1.5 | 70.7 | 13.5 | 2.4 | 60.4 | 117.8 | 17.0 | 281.8 | 285.6 | *1.5* | *60.4* |
| 1972 | 1.4 | 1.6 | 75.2 | 12.8 | 2.9 | 63.6 | 132.6 | 16.9 | 304.1 | 307.1 | *1.6* | *63.6* |
| 1973 | 1.4 | 1.7 | 72.8 | 13.2 | 2.9 | 65.6 | 124.0 | 15.7 | 294.3 | 297.4 | *1.7* | *65.6* |
| 1974 | 2.0 | 1.6 | 70.0 | 11.7 | 3.0 | 65.1 | 94.9 | 14.0 | 258.6 | 262.2 | *1.6* | *65.1* |
| 1975 | 1.3 | 2.0 | 67.0 | 10.8 | 3.6 | 66.4 | 62.4 | 11.9 | 222.1 | 225.4 | *2.0* | *66.4* |
| 1976 | 1.0 | 2.1 | 79.2 | 10.6 | 4.3 | 69.8 | 79.9 | 14.6 | 258.3 | 261.5 | *2.1* | *69.8* |
| 1977 | 0.6 | 2.0 | 86.2 | 12.7 | 4.4 | 70.9 | 76.5 | 12.2 | 262.9 | 265.6 | *2.0* | *70.9* |
| 1978 | 0.7 | 2.2 | 79.6 | 12.9 | 4.0 | 71.8 | 65.7 | 10.3 | 244.3 | 247.2 | *2.2* | *71.8* |
| 1979 | 0.8 | 2.2 | 66.6 | 12.2 | 6.3 | 65.3 | 65.2 | 7.4 | 223.0 | 225.9 | *2.2* | *65.3* |
| 1980 | 3.0 | 2.2 | 61.9 | 10.2 | 3.2 | 61.8 | 53.8 | 7.3 | 198.3 | 203.5 | *2.3* | *61.8* |
| 1981 | 3.1 | 2.3 | 53.9 | 8.4 | 2.6 | 60.8 | 62.7 | 6.2 | 194.6 | 200.0 | *2.4* | *60.8* |
| 1982 | 6.9 | 2.7 | 53.4 | 8.7 | 3.0 | 62.0 | 97.1 | 6.1 | 230.3 | 240.0 | *2.8* | *62.0* |
| 1983 | 5.9 | 2.5 | 42.8 | 8.2 | 3.0 | 63.5 | 52.9 | 7.2 | 177.7 | 186.1 | *2.5* | *63.5* |
| 1984 | 5.0 | 2.5 | 52.7 | 8.3 | 2.2 | 64.5 | 64.9 | 14.8 | 207.4 | 214.9 | *2.5* | *64.5* |
| 1985 | 5.1 | 2.6 | 60.4 | 8.9 | 2.4 | 65.9 | 49.7 | 21.7 | 209.0 | 216.8 | *2.6* | *65.9* |
| 1986 | 9.3 | 2.5 | 71.9 | 8.8 | 3.8 | 70.6 | 80.5 | 10.0 | 245.6 | 257.5 | *2.5* | *70.6* |
| 1987 | 6.8 | 2.7 | 76.6 | 9.9 | 4.8 | 74.1 | 58.2 | 11.1 | 234.7 | 244.3 | *2.7* | *74.1* |
| 1988 | 6.9 | 3.3 | 87.8 | 11.6 | 5.9 | 80.7 | 76.3 | 17.7 | 279.9 | 290.1 | *3.3* | *80.7* |
| 1989 | 6.8 | 3.9 | 77.3 | 12.4 | 5.8 | 74.6 | 74.4 | 13.5 | 257.9 | 268.6 | *3.9* | *74.6* |
| 1990 | 10.4 | 4.6 | 77.7 | 14.0 | 5.0 | 74.2 | 66.8 | 9.5 | 247.3 | 262.3 | *4.6* | *74.2* |
| 1991 | 15.4 | 5.0 | 67.5 | 13.2 | 5.3 | 74.2 | 63.8 | 12.9 | 236.9 | 257.3 | *5.0* | *74.2* |
| 1992 | 27.5 | 5.3 | 70.8 | 10.5 | 4.5 | 74.2 | 60.3 | 12.3 | 232.6 | 265.4 | *5.3* | *74.2* |
| 1993 | 17.4 | 5.2 | 78.5 | 8.3 | 4.9 | 75.6 | 58.2 | 14.8 | 240.2 | 262.8 | *5.2* | *75.6* |
| 1994 | 17.6 | 5.3 | 85.2 | 5.6 | 5.0 | 75.9 | 71.3 | 11.2 | 254.2 | 277.1 | *5.3* | *75.9* |
| 1995 | 11.0 | 5.5 | 85.9 | 4.8 | 5.6 | 74.9 | 59.2 | 14.1 | 244.5 | 261.0 | *5.6* | *74.9* |
| 1996 | 9.8 | 5.8 | 87.1 | 5.1 | 6.6 | 78.0 | 60.2 | 20.2 | 257.2 | 272.9 | *5.9* | *78.0* |
| 1997 | 9.0 | 6.5 | 85.4 | 5.4 | 4.5 | 83.3 | 62.1 | 21.9 | 262.6 | 278.1 | *6.5* | *83.3* |
| 1998 | 7.3 | 5.8 | 88.8 | 5.3 | 5.1 | 79.8 | 56.2 | 24.0 | 259.2 | 272.3 | *5.8* | *79.8* |
| 1999 | 6.9 | 6.6 | 86.9 | 4.9 | 4.1 | 84.2 | 70.8 | 21.4 | 272.2 | 285.7 | *6.7* | *84.2* |
| 2000 | 10.0 | 48.0 | 89.2 | 5.1 | 4.8 | 85.1 | 59.7 | 21.5 | 265.4 | 323.4 | *48.0* | *85.1* |
| 2001 | 7.9 | 101.2 | 83.3 | 4.0 | 6.2 | 74.4 | 44.1 | 15.7 | 227.8 | 336.9 | *101.2* | *74.4* |
| 2002 | 8.0 | 105.5 | 84.9 | 3.8 | 4.5 | 87.9 | 38.3 | 10.9 | 230.2 | 343.7 | *105.5* | *87.9* |
| 2003 | 7.5 | 73.5 | 110.2 | 5.2 | 6.6 | 95.1 | 31.7 | 13.5 | 262.4 | 343.4 | *73.5* | *95.1* |
| 2004 | 7.3 | 75.5 | 113.8 | 6.2 | 4.5 | 88.7 | 29.7 | 17.7 | 260.6 | 343.4 | *75.5* | *88.7* |
| 2005 | 7.1 | 60.8 | 98.9 | 8.1 | 8.4 | 90.0 | 43.6 | 15.2 | 264.1 | 332.0 | *60.8* | *90.4* |
| 2006 | 6.6 | 52.3 | 90.9 | 10.1 | 7.6 | 88.1 | 28.6 | 10.5 | 235.8 | 294.8 | *52.3* | *88.7* |
| 2007 | 6.6 | 60.8 | 92.5 | 10.0 | 10.1 | 86.7 | 25.6 | R 9.8 | 234.8 | 302.1 | *60.8* | *87.5* |
| 2008 | 5.9 | 65.0 | R 85.8 | 7.9 | 9.9 | R 78.5 | 20.3 | 4.6 | R 207.0 | R 277.9 | *65.0* | *82.6* |
| 2009 | 1.7 | 73.0 | 77.4 | 7.0 | 10.9 | 78.2 | 22.6 | 4.6 | 200.8 | 275.5 | *73.0* | *83.4* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Maine (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 30.6 | 29.2 | NA | NA | 29.2 | 0.0 | NA | NA | 59.8 | -0.7 | 0.5 | 232.4 |
| 1965 | 0.0 | 21.6 | 30.0 | NA | NA | 30.0 | 0.0 | NA | NA | 51.7 | 0.3 | 0.8 | 232.4 |
| 1970 | 0.0 | 29.9 | 29.5 | NA | NA | 29.5 | 0.0 | NA | NA | 59.4 | R 6.7 | 1.8 | 302.7 |
| 1971 | 0.0 | 25.8 | 29.6 | NA | NA | 29.6 | 0.0 | NA | NA | 55.4 | 8.4 | 4.2 | 353.6 |
| 1972 | 0.6 | 27.6 | 32.3 | NA | NA | 32.3 | 0.0 | NA | NA | 59.9 | R 6.4 | 6.4 | R 380.4 |
| 1973 | 36.5 | 32.2 | 32.5 | NA | NA | 32.5 | 0.0 | NA | NA | 64.6 | R -29.2 | 9.6 | R 378.9 |
| 1974 | 39.9 | 30.4 | 33.9 | NA | NA | 33.9 | 0.0 | NA | NA | 64.3 | R -20.3 | 8.3 | R 354.4 |
| 1975 | 49.6 | 27.7 | 32.7 | NA | NA | 32.7 | 0.0 | NA | NA | 60.4 | R -15.7 | 4.9 | R 324.6 |
| 1976 | 65.5 | 32.1 | 38.0 | NA | NA | 38.0 | 0.0 | NA | NA | 70.1 | R -24.5 | 8.0 | R 380.5 |
| 1977 | 55.4 | 31.7 | 41.0 | NA | NA | 41.0 | 0.0 | NA | NA | 72.7 | R -8.7 | 11.8 | R 396.8 |
| 1978 | 58.6 | 29.3 | 45.6 | NA | NA | 45.6 | 0.0 | NA | NA | 74.9 | R -3.4 | 7.3 | R 384.5 |
| 1979 | 48.9 | 28.9 | 48.0 | NA | NA | 48.0 | 0.0 | NA | NA | 76.9 | R 0.8 | 11.0 | R 363.5 |
| 1980 | 48.0 | 25.1 | 96.0 | NA | NA | 96.0 | 0.0 | NA | NA | 121.1 | R -4.0 | 12.8 | R 381.5 |
| 1981 | 57.5 | 29.8 | 99.9 | (s) | 0.0 | 100.0 | 0.0 | NA | NA | 129.8 | R -17.1 | 10.3 | R 380.5 |
| 1982 | 50.1 | 30.8 | 96.1 | 0.0 | 0.0 | 96.1 | 0.0 | NA | NA | 126.9 | R -0.7 | 10.1 | R 426.4 |
| 1983 | 62.5 | 30.9 | 109.4 | 0.0 | 0.0 | 109.4 | 0.0 | NA | 0.0 | 140.3 | R -14.6 | 17.3 | R 391.5 |
| 1984 | 55.6 | 31.2 | 108.1 | 0.0 | 0.0 | 108.1 | 0.0 | 0.0 | 0.0 | 139.3 | R -10.9 | 19.4 | R 418.3 |
| 1985 | 56.9 | 28.1 | 107.9 | 0.0 | 0.0 | 107.9 | 0.0 | 0.0 | 0.0 | 136.0 | R 11.4 | 2.3 | R 423.4 |
| 1986 | 66.0 | 31.4 | 91.4 | 0.0 | 0.0 | 91.4 | 0.0 | 0.0 | 0.0 | 122.8 | R -10.7 | 8.8 | R 444.3 |
| 1987 | 42.2 | 27.9 | 88.5 | 0.0 | 0.0 | 88.5 | 0.0 | 0.0 | 0.0 | 116.4 | R 17.4 | 12.8 | R 433.1 |
| 1988 | 53.2 | 26.2 | 91.8 | 0.0 | 0.0 | 91.8 | 0.0 | 0.0 | 0.0 | 118.0 | R 11.8 | 11.6 | R 484.6 |
| 1989 | 73.5 | 35.9 | 118.4 | 0.0 | 0.0 | 118.4 | 0.0 | 0.1 | 0.0 | 154.4 | R -24.7 | 7.1 | R 478.9 |
| 1990 | 51.4 | 42.5 | 109.0 | 0.0 | 0.0 | 109.0 | 0.0 | 0.1 | 0.0 | 151.6 | R -6.0 | 7.6 | R 466.9 |
| 1991 | 65.7 | 39.8 | 117.3 | 0.0 | 0.0 | 117.3 | 0.0 | 0.1 | 0.0 | 157.3 | R -14.4 | 5.6 | R 471.4 |
| 1992 | 56.1 | 36.3 | 122.6 | 0.0 | 0.0 | 122.6 | 0.0 | 0.1 | 0.0 | 159.0 | R -4.3 | 5.3 | R 481.6 |
| 1993 | 60.3 | 33.5 | 124.6 | 0.0 | 0.0 | 124.6 | 0.0 | 0.1 | 0.0 | 158.2 | R -2.5 | 6.6 | R 485.4 |
| 1994 | 69.3 | 36.2 | 120.4 | 0.0 | 0.0 | 120.4 | 0.0 | 0.1 | 0.0 | 156.7 | R -13.5 | 10.7 | R 500.4 |
| 1995 | 2.1 | 34.6 | 126.2 | 0.0 | 0.0 | 126.2 | 0.0 | 0.1 | 0.0 | 160.9 | R 54.0 | 15.7 | R 493.7 |
| 1996 | 53.2 | 43.0 | 124.1 | 0.0 | 0.0 | 124.1 | 0.0 | 0.1 | 0.0 | 167.2 | R 0.5 | 14.7 | R 508.4 |
| 1997 | 0.0 | 37.3 | 124.5 | 0.0 | 0.0 | 124.5 | 0.0 | 0.1 | 0.0 | 161.8 | R 55.8 | 11.7 | R 507.4 |
| 1998 | 0.0 | 37.9 | 113.2 | 0.0 | 0.0 | 113.2 | 0.0 | 0.1 | 0.0 | 151.2 | R 43.7 | 13.4 | R 480.7 |
| 1999 | 0.0 | 38.4 | 120.7 | 0.0 | 0.0 | 120.7 | (s) | 0.1 | 0.0 | 159.3 | R 28.3 | 13.1 | R 486.5 |
| 2000 | 0.0 | 36.6 | 126.4 | 0.0 | 0.0 | 126.4 | (s) | 0.1 | 0.0 | 163.1 | R 19.0 | 13.2 | R 518.6 |
| 2001 | 0.0 | 27.3 | 118.7 | 0.0 | 0.0 | 118.7 | (s) | 0.1 | 0.0 | 146.2 | R -24.1 | 9.6 | R 468.6 |
| 2002 | 0.0 | 28.2 | 112.1 | 0.0 | 0.0 | 112.1 | (s) | 0.1 | 0.0 | 140.4 | R -35.1 | 7.1 | R 456.1 |
| 2003 | 0.0 | 32.5 | 100.1 | 0.0 | 0.0 | 100.1 | (s) | 0.1 | 0.0 | 132.7 | R -11.2 | 8.3 | R 473.2 |
| 2004 | 0.0 | 34.4 | 102.3 | 0.0 | 0.0 | 102.3 | (s) | 0.1 | 0.0 | 136.8 | R -16.6 | 13.0 | R 476.6 |
| 2005 | 0.0 | 40.9 | R 118.7 | 0.4 | 0.0 | R 119.0 | (s) | 0.1 | 0.0 | R 160.1 | R -21.2 | 13.7 | R 484.5 |
| 2006 | 0.0 | 42.4 | R 109.9 | 0.6 | 0.0 | R 110.5 | (s) | 0.1 | 0.0 | R 153.1 | R -1.8 | 10.9 | R 456.9 |
| 2007 | 0.0 | 36.9 | R 117.7 | 0.8 | 0.0 | R 118.5 | (s) | 0.2 | 1.0 | R 156.6 | R -0.1 | 11.5 | R 470.1 |
| 2008 | 0.0 | 43.9 | R 137.1 | 4.1 | 0.0 | R 141.2 | (s) | 0.2 | 1.3 | R 186.6 | R 5.2 | R 3.8 | R 473.5 |
| 2009 | 0.0 | 41.1 | 95.4 | 5.2 | 0.0 | 100.6 | 0.1 | 0.2 | 2.9 | 144.9 | 3.3 | 6.8 | 430.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 777 | 0 | 7,377 | 1,904 | 442 | 8,378 | 3,560 | 3,265 | 24,926 | 906 | – – | – – | – – | – – | 2,782 | – – | – – | – – |
| 1965 | 316 | 0 | 9,131 | 1,812 | 550 | 9,131 | 1,967 | 3,079 | 25,670 | 697 | – – | – – | – – | – – | 3,758 | – – | – – | – – |
| 1970 | 91 | 1 | 11,727 | 2,300 | 635 | 11,025 | 6,835 | 2,819 | 35,341 | 940 | – – | – – | – – | – – | 5,068 | – – | – – | – – |
| 1975 | 56 | 2 | 11,464 | 1,988 | 963 | 12,645 | 7,116 | 1,970 | 36,147 | 832 | – – | – – | – – | – – | 6,532 | – – | – – | – – |
| 1980 | 124 | 2 | 10,568 | 1,875 | 874 | 11,768 | 4,937 | 1,217 | 31,239 | 974 | – – | – – | – – | – – | 8,185 | – – | – – | – – |
| 1985 | 206 | 3 | 10,341 | 1,639 | 674 | 12,548 | 4,468 | 3,447 | 33,117 | 974 | – – | – – | – – | – – | 9,824 | – – | – – | – – |
| 1990 | 265 | 4 | 13,308 | 2,528 | 1,391 | 14,126 | 7,073 | 1,565 | 39,991 | 1,344 | – – | – – | – – | – – | 11,529 | – – | – – | – – |
| 1995 | 282 | 5 | 14,711 | 841 | 1,545 | 14,368 | 7,951 | 2,143 | 41,559 | 1,155 | – – | – – | – – | – – | 11,561 | – – | – – | – – |
| 2000 | 222 | 18 | 15,276 | 908 | 1,321 | 16,328 | 6,265 | 3,637 | 43,734 | 1,296 | – – | – – | – – | – – | 12,163 | – – | – – | – – |
| 2001 | 127 | 16 | 14,292 | 712 | 1,710 | 14,290 | 5,150 | 2,677 | 38,831 | 935 | – – | – – | – – | – – | 12,152 | – – | – – | – – |
| 2002 | 90 | 11 | 14,517 | 671 | 1,236 | 16,871 | 5,384 | 1,833 | 40,513 | 937 | – – | – – | – – | – – | 11,441 | – – | – – | – – |
| 2003 | 121 | 10 | 18,781 | 922 | 1,828 | 18,270 | 3,027 | 2,289 | 45,118 | 1,022 | – – | – – | – – | – – | 11,972 | – – | – – | – – |
| 2004 | 118 | 9 | 19,409 | 1,088 | 1,240 | 17,005 | 3,531 | 2,983 | 45,255 | 563 | – – | – – | – – | – – | 12,368 | – – | – – | – – |
| 2005 | 130 | 9 | 16,945 | 1,425 | 2,329 | 17,320 | 5,416 | 2,600 | 46,035 | 625 | – – | – – | – – | – – | 12,363 | – – | – – | – – |
| 2006 | 112 | 9 | 15,593 | 1,790 | 2,109 | 16,996 | 4,384 | 1,833 | 42,706 | 779 | – – | – – | – – | – – | 12,285 | – – | – – | – – |
| 2007 | 114 | 23 | 15,856 | 1,765 | 2,807 | 16,773 | 3,378 | 1,673 | 42,251 | 694 | – – | – – | – – | – – | 11,860 | – – | – – | – – |
| 2008 | 100 | 25 | 14,718 | 1,401 | 2,745 | 15,826 | 2,873 | 795 | 38,358 | 762 | – – | – – | – – | – – | 11,674 | – – | – – | – – |
| 2009 | 31 | 33 | 13,282 | 1,230 | 3,070 | 15,991 | 3,110 | 808 | 37,491 | 757 | – – | – – | – – | – – | 11,283 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 19.9 | 0.0 | 43.0 | 10.2 | 1.8 | 44.0 | 22.4 | 19.3 | 140.6 | 9.7 | 29.2 | NA | NA | NA | 9.5 | 208.9 | 23.5 | 232.4 |
| 1965 | 8.0 | 0.0 | 53.2 | 9.7 | 2.2 | 48.0 | 12.4 | 18.2 | 143.6 | 7.3 | 30.0 | NA | NA | NA | 12.8 | 201.8 | 30.6 | 232.4 |
| 1970 | 2.2 | 1.3 | 68.3 | 12.5 | 2.4 | 57.9 | 43.0 | 16.7 | 200.8 | 9.9 | 29.5 | NA | NA | NA | 17.3 | 260.9 | 41.8 | 302.7 |
| 1975 | 1.3 | 2.0 | 66.8 | 10.8 | 3.6 | 66.4 | 44.7 | 11.9 | 204.2 | 8.7 | 32.7 | NA | NA | NA | 22.3 | 271.1 | 53.5 | 324.6 |
| 1980 | 3.0 | 2.3 | 61.6 | 10.2 | 3.2 | 61.8 | 31.0 | 7.3 | 175.2 | 10.1 | 96.0 | NA | NA | NA | 27.9 | 314.4 | 67.1 | 381.5 |
| 1985 | 5.1 | 2.6 | 60.2 | 8.9 | 2.4 | 65.9 | 28.1 | 21.7 | 187.3 | 10.2 | 107.9 | 0.0 | NA | NA | 33.5 | 346.6 | 76.8 | 423.4 |
| 1990 | 6.6 | 4.4 | 77.5 | 14.0 | 5.0 | 74.2 | 44.5 | 9.5 | 224.8 | 14.0 | 87.5 | 0.0 | 0.0 | 0.1 | 39.3 | 376.7 | 90.3 | 466.9 |
| 1995 | 7.1 | 5.5 | 85.7 | 4.8 | 5.6 | 74.9 | 50.0 | 12.6 | 233.6 | 11.9 | 107.1 | 0.0 | 0.0 | 0.1 | 39.4 | 404.6 | 89.0 | 493.7 |
| 2000 | 5.8 | 20.3 | 89.0 | 5.1 | 4.8 | 85.1 | 39.4 | 20.6 | 244.0 | 13.2 | 99.9 | 0.0 | (s) | 0.1 | 41.5 | 424.8 | 93.9 | 518.6 |
| 2001 | 3.3 | 18.5 | 83.3 | 4.0 | 6.2 | 74.4 | 32.4 | 15.7 | 216.0 | 9.7 | 87.7 | 0.0 | (s) | 0.1 | 41.5 | 376.7 | 91.9 | 468.6 |
| 2002 | 2.3 | 11.3 | 84.6 | 3.8 | 4.5 | 87.9 | 33.9 | 10.9 | 225.4 | 9.5 | 81.9 | 0.0 | (s) | 0.1 | 39.0 | 369.6 | 86.5 | 456.1 |
| 2003 | 3.2 | 10.6 | 109.4 | 5.2 | 6.6 | 95.1 | 19.0 | 13.5 | 248.9 | 10.5 | 69.5 | 0.0 | (s) | 0.1 | 40.8 | 383.6 | 89.6 | 473.2 |
| 2004 | 3.0 | 9.7 | 113.1 | 6.2 | 4.5 | 88.7 | 22.2 | 17.7 | 252.3 | 5.6 | 70.8 | 0.0 | (s) | 0.1 | 42.2 | 383.8 | 92.8 | 476.6 |
| 2005 | 3.3 | 9.6 | 98.7 | 8.1 | 8.4 | 90.4 | 34.0 | 15.2 | 254.8 | 6.2 | 76.5 | 0.0 | (s) | 0.1 | 42.2 | 392.8 | 91.7 | 484.5 |
| 2006 | 2.9 | 9.7 | 90.8 | 10.1 | 7.6 | 88.7 | 27.6 | 10.5 | 235.3 | 7.7 | 69.1 | 0.0 | (s) | 0.1 | 41.9 | 366.7 | 90.1 | 456.9 |
| 2007 | 3.0 | 24.9 | 92.4 | 10.0 | 10.1 | 87.5 | 21.2 | 9.8 | 231.1 | 6.9 | 76.8 | 0.0 | (s) | 0.2 | 40.5 | 383.3 | 86.8 | 470.1 |
| 2008 | 2.6 | 26.3 | 85.7 | 7.9 | 9.9 | 82.6 | 18.1 | 4.6 | 208.8 | 7.5 | 103.0 | 0.0 | (s) | 0.2 | 39.8 | 388.2 | 85.3 | 473.5 |
| 2009 | 0.8 | 34.5 | 77.4 | 7.0 | 10.9 | 83.4 | 19.6 | 4.6 | 202.9 | 7.4 | 65.1 | 0.0 | 0.1 | 0.2 | 38.5 | 349.5 | 81.0 | 430.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 122 | 0 | 4,727 | 2,091 | 201 | 7,019 | 426 | – – | – – | 993 | – – | – – | – – |
| 1965 | 71 | 0 | 6,139 | 1,691 | 223 | 8,052 | 322 | – – | – – | 1,224 | – – | – – | – – |
| 1970 | 24 | 1 | 7,877 | 1,649 | 224 | 9,751 | 222 | – – | – – | 1,723 | – – | – – | – – |
| 1975 | 7 | 1 | 7,646 | 932 | 354 | 8,932 | 292 | – – | – – | 2,487 | – – | – – | – – |
| 1980 | 5 | 1 | 6,372 | 405 | 232 | 7,009 | 478 | – – | – – | 2,998 | – – | – – | – – |
| 1985 | 11 | 1 | 5,451 | 910 | 204 | 6,565 | 338 | – – | – – | 3,419 | – – | – – | – – |
| 1990 | 9 | 1 | 5,987 | 563 | 506 | 7,055 | 215 | – – | – – | 3,932 | – – | – – | – – |
| 1995 | (s) | 1 | 7,627 | 1,089 | 656 | 9,372 | 235 | – – | – – | 3,629 | – – | – – | – – |
| 1996 | (s) | 1 | 7,549 | 1,370 | 770 | 9,690 | 244 | – – | – – | 3,679 | – – | – – | – – |
| 1997 | (s) | 1 | 7,407 | 1,310 | 569 | 9,286 | 177 | – – | – – | 3,659 | – – | – – | – – |
| 1998 | (s) | 1 | 7,553 | 1,880 | 630 | 10,062 | 157 | – – | – – | 3,589 | – – | – – | – – |
| 1999 | (s) | 1 | 7,443 | 1,539 | 556 | 9,538 | 165 | – – | – – | 3,704 | – – | – – | – – |
| 2000 | (s) | 1 | 6,957 | 1,681 | 613 | 9,251 | 178 | – – | – – | 3,737 | – – | – – | – – |
| 2001 | (s) | 1 | 6,850 | 1,674 | 753 | 9,277 | 144 | – – | – – | 3,903 | – – | – – | – – |
| 2002 | (s) | 1 | 6,749 | 1,002 | 462 | 8,213 | 146 | – – | – – | 4,043 | – – | – – | – – |
| 2003 | (s) | 1 | 8,830 | 1,392 | 926 | 11,148 | 153 | – – | – – | 4,219 | – – | – – | – – |
| 2004 | (s) | 1 | 9,881 | 1,740 | 655 | 12,276 | 157 | – – | – – | 4,331 | – – | – – | – – |
| 2005 | (s) | 1 | 8,428 | 1,711 | 982 | 11,121 | R 302 | – – | – – | 4,503 | – – | – – | – – |
| 2006 | (s) | 1 | 7,431 | 1,391 | 822 | 9,644 | R 275 | – – | – – | 4,351 | – – | – – | – – |
| 2007 | (s) | 1 | 7,253 | 957 | 1,151 | 9,361 | R 303 | – – | – – | 4,413 | – – | – – | – – |
| 2008 | 0 | 1 | R 6,148 | 499 | 1,309 | R 7,955 | R 317 | – – | – – | 4,351 | – – | – – | – – |
| 2009 | 0 | 1 | 5,540 | 540 | 1,360 | 7,439 | 303 | – – | – – | 4,360 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 3.0 | 0.0 | 27.5 | 11.9 | 0.8 | 40.2 | 8.5 | NA | NA | 3.4 | 55.1 | 8.4 | 63.5 |
| 1965 | 1.8 | 0.0 | 35.8 | 9.6 | 0.9 | 46.2 | 6.4 | NA | NA | 4.2 | 58.6 | 10.0 | 68.6 |
| 1970 | 0.6 | 0.5 | 45.9 | 9.4 | 0.8 | 56.1 | 4.4 | NA | NA | 5.9 | 67.5 | 14.2 | 81.7 |
| 1975 | 0.2 | 0.7 | 44.5 | 5.3 | 1.3 | 51.1 | 5.8 | NA | NA | 8.5 | 66.4 | 20.4 | R 86.7 |
| 1980 | 0.1 | 0.6 | 37.1 | 2.3 | 0.9 | 40.3 | 9.6 | NA | NA | 10.2 | 60.7 | R 24.6 | R 85.3 |
| 1985 | 0.3 | 0.5 | 31.8 | 5.2 | 0.7 | 37.6 | 6.8 | NA | NA | 11.7 | 56.9 | R 26.7 | R 83.6 |
| 1990 | 0.2 | 0.7 | 34.9 | 3.2 | 1.8 | 39.9 | 4.3 | 0.0 | 0.1 | 13.4 | 58.6 | R 30.8 | R 89.3 |
| 1995 | (s) | 0.9 | 44.4 | 6.2 | 2.4 | 53.0 | 4.7 | 0.0 | 0.1 | 12.4 | 71.1 | R 27.9 | R 99.0 |
| 1996 | (s) | 1.0 | 44.0 | 7.8 | 2.8 | 54.5 | 4.9 | 0.0 | 0.1 | 12.6 | 73.1 | R 28.4 | R 101.4 |
| 1997 | (s) | 1.0 | 43.1 | 7.4 | 2.1 | 52.6 | 3.5 | 0.0 | 0.1 | 12.5 | 69.8 | R 28.1 | R 97.9 |
| 1998 | (s) | 0.9 | 44.0 | 10.7 | 2.3 | 56.9 | 3.1 | 0.0 | 0.1 | 12.2 | 73.4 | R 27.6 | R 101.0 |
| 1999 | (s) | 1.0 | 43.4 | 8.7 | 2.0 | 54.1 | 3.3 | (s) | 0.1 | 12.6 | 71.1 | R 28.7 | R 99.9 |
| 2000 | (s) | 1.2 | 40.5 | 9.5 | 2.2 | 52.3 | 3.6 | (s) | 0.1 | 12.7 | 69.9 | R 28.8 | R 98.7 |
| 2001 | (s) | 1.1 | 39.9 | 9.5 | 2.7 | 52.1 | 2.9 | (s) | 0.1 | 13.3 | 69.6 | R 29.5 | R 99.1 |
| 2002 | (s) | 1.1 | 39.3 | 5.7 | 1.7 | 46.7 | 2.9 | (s) | 0.1 | 13.8 | 64.6 | R 30.6 | R 95.2 |
| 2003 | (s) | 1.3 | 51.4 | 7.9 | 3.4 | 62.7 | 3.1 | (s) | 0.1 | 14.4 | 81.5 | R 31.6 | R 113.1 |
| 2004 | (s) | 1.2 | 57.6 | 9.9 | 2.4 | 69.8 | 3.1 | (s) | 0.1 | 14.8 | 89.1 | R 32.5 | R 121.6 |
| 2005 | (s) | 1.2 | 49.1 | 9.7 | 3.6 | 62.3 | R 6.0 | (s) | 0.1 | 15.4 | R 85.1 | R 33.4 | R 118.5 |
| 2006 | (s) | 1.0 | 43.3 | 7.9 | 3.0 | 54.1 | R 5.5 | (s) | 0.1 | 14.8 | R 75.7 | R 31.9 | R 107.6 |
| 2007 | (s) | 1.3 | 42.2 | 5.4 | 4.1 | 51.8 | R 6.1 | (s) | 0.2 | 15.1 | R 74.4 | R 32.3 | R 106.7 |
| 2008 | 0.0 | 1.2 | R 35.8 | 2.8 | 4.7 | R 43.3 | R 6.3 | (s) | 0.2 | 14.8 | R 65.9 | R 31.8 | R 97.7 |
| 2009 | 0.0 | 1.3 | 32.3 | 3.1 | 4.8 | 40.2 | 6.1 | 0.1 | 0.2 | 14.9 | 62.7 | 31.3 | 94.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 84 | 0 | 996 | 100 | 202 | 29 | 145 | 1,473 | NA | – – | – – | 542 | – – | – – | – – |
| 1965 | 54 | 0 | 1,294 | 81 | 225 | 34 | 72 | 1,706 | NA | – – | – – | 819 | – – | – – | – – |
| 1970 | 19 | (s) | 1,660 | 79 | 226 | 40 | 292 | 2,298 | NA | – – | – – | 975 | – – | – – | – – |
| 1975 | 17 | 1 | 1,611 | 45 | 357 | 40 | 334 | 2,386 | NA | – – | – – | 1,568 | – – | – – | – – |
| 1980 | 20 | 1 | 1,840 | 70 | 233 | 48 | 682 | 2,874 | NA | – – | – – | 1,717 | – – | – – | – – |
| 1985 | 38 | 1 | 1,082 | 99 | 206 | 104 | 1,040 | 2,530 | NA | – – | – – | 2,338 | – – | – – | – – |
| 1990 | 34 | 2 | 2,006 | 68 | 510 | 101 | 2,137 | 4,821 | 0 | – – | – – | 2,847 | – – | – – | – – |
| 1995 | 3 | 2 | 2,285 | 161 | 662 | 12 | 369 | 3,489 | 0 | – – | – – | 2,973 | – – | – – | – – |
| 1996 | 4 | 3 | 2,424 | 148 | 777 | 12 | 508 | 3,868 | 0 | – – | – – | 3,276 | – – | – – | – – |
| 1997 | 4 | 3 | 2,351 | 157 | 574 | 12 | 587 | 3,680 | 0 | – – | – – | 3,343 | – – | – – | – – |
| 1998 | 3 | 2 | 2,748 | 242 | 635 | 12 | 281 | 3,918 | 0 | – – | – – | 3,388 | – – | – – | – – |
| 1999 | 3 | 3 | 2,792 | 135 | 560 | 12 | 109 | 3,607 | 0 | – – | – – | 3,553 | – – | – – | – – |
| 2000 | 3 | 3 | 3,223 | 136 | 618 | 12 | 253 | 4,242 | 0 | – – | – – | 3,876 | – – | – – | – – |
| 2001 | 3 | 3 | 2,516 | 152 | 759 | 12 | 187 | 3,626 | 0 | – – | – – | 3,836 | – – | – – | – – |
| 2002 | 2 | 5 | 2,721 | 112 | 466 | 12 | 396 | 3,708 | 0 | – – | – – | 3,848 | – – | – – | – – |
| 2003 | 2 | 5 | 3,670 | 161 | 805 | 20 | 319 | 4,973 | 0 | – – | – – | 3,959 | – – | – – | – – |
| 2004 | 2 | 5 | 3,478 | 251 | 549 | 24 | 348 | 4,650 | 0 | – – | – – | 4,325 | – – | – – | – – |
| 2005 | 3 | 5 | 2,882 | 217 | 1,060 | 14 | 494 | 4,666 | 0 | – – | – – | 4,157 | – – | – – | – – |
| 2006 | 3 | 5 | 2,608 | 150 | 894 | 31 | 280 | 3,962 | 0 | – – | – – | 4,134 | – – | – – | – – |
| 2007 | 2 | 6 | 2,931 | 117 | 1,362 | 48 | 408 | 4,865 | 0 | – – | – – | 4,195 | – – | – – | – – |
| 2008 | 0 | 6 | R 2,655 | 57 | 1,367 | 20 | 768 | R 4,869 | 0 | – – | – – | 4,148 | – – | – – | – – |
| 2009 | 0 | 6 | 2,161 | 52 | 1,603 | 34 | 422 | 4,272 | 0 | – – | – – | 4,071 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.1 | 0.0 | 5.8 | 0.6 | 0.8 | 0.2 | 0.9 | 8.2 | NA | 0.2 | NA | 1.9 | 12.4 | 4.6 | 16.9 |
| 1965 | 1.3 | 0.0 | 7.5 | 0.5 | 0.9 | 0.2 | 0.5 | 9.5 | NA | 0.1 | NA | 2.8 | 13.8 | 6.7 | R 20.4 |
| 1970 | 0.4 | 0.4 | 9.7 | 0.4 | 0.9 | 0.2 | 1.8 | 13.0 | NA | 0.1 | NA | 3.3 | 17.3 | 8.1 | 25.4 |
| 1975 | 0.4 | 0.5 | 9.4 | 0.3 | 1.3 | 0.2 | 2.1 | 13.3 | NA | 0.1 | NA | 5.3 | 19.6 | R 12.8 | 32.5 |
| 1980 | 0.5 | 0.9 | 10.7 | 0.4 | 0.9 | 0.3 | 4.3 | 16.5 | NA | 0.2 | NA | 5.9 | 23.9 | 14.1 | 38.0 |
| 1985 | 0.9 | 1.2 | 6.3 | 0.6 | 0.7 | 0.5 | 6.5 | 14.7 | NA | 0.2 | NA | 8.0 | 24.9 | R 18.3 | R 43.2 |
| 1990 | 0.9 | 1.7 | 11.7 | 0.4 | 1.8 | 0.5 | 13.4 | 27.9 | 0.0 | 3.1 | 0.0 | 9.7 | 43.2 | R 22.3 | R 65.5 |
| 1995 | 0.1 | 2.5 | 13.3 | 0.9 | 2.4 | 0.1 | 2.3 | 19.0 | 0.0 | 4.0 | 0.0 | 10.1 | 35.6 | R 22.9 | R 58.5 |
| 1996 | 0.1 | 2.6 | 14.1 | 0.8 | 2.8 | 0.1 | 3.2 | 21.0 | 0.0 | 3.9 | 0.0 | 11.2 | 38.8 | R 25.3 | R 64.0 |
| 1997 | 0.1 | 2.8 | 13.7 | 0.9 | 2.1 | 0.1 | 3.7 | 20.4 | 0.0 | 3.9 | 0.0 | 11.4 | 38.5 | R 25.7 | R 64.2 |
| 1998 | 0.1 | 2.5 | 16.0 | 1.4 | 2.3 | 0.1 | 1.8 | 21.5 | 0.0 | 3.8 | 0.0 | 11.6 | 39.4 | R 26.0 | R 65.5 |
| 1999 | 0.1 | 2.6 | 16.3 | 0.8 | 2.0 | 0.1 | 0.7 | 19.8 | 0.0 | 3.6 | 0.0 | 12.1 | 38.1 | R 27.6 | R 65.7 |
| 2000 | 0.1 | 3.2 | 18.8 | 0.8 | 2.2 | 0.1 | 1.6 | 23.4 | 0.0 | 3.5 | 0.0 | 13.2 | 43.4 | R 29.9 | R 73.3 |
| 2001 | 0.1 | 3.1 | 14.7 | 0.9 | 2.7 | 0.1 | 1.2 | 19.5 | 0.0 | 2.1 | 0.0 | 13.1 | 37.9 | R 29.0 | R 66.9 |
| 2002 | (s) | 5.4 | 15.9 | 0.6 | 1.7 | 0.1 | 2.5 | 20.7 | 0.0 | 2.3 | 0.0 | 13.1 | 41.6 | R 29.1 | R 70.7 |
| 2003 | (s) | 5.0 | 21.4 | 0.9 | 2.9 | 0.1 | 2.0 | 27.3 | 0.0 | 2.4 | 0.0 | 13.5 | 48.2 | R 29.6 | R 77.9 |
| 2004 | (s) | 5.0 | 20.3 | 1.4 | 2.0 | 0.1 | 2.2 | 26.0 | 0.0 | 2.2 | 0.0 | 14.8 | 48.1 | R 32.5 | R 80.5 |
| 2005 | 0.1 | 5.0 | 16.8 | 1.2 | 3.8 | 0.1 | 3.1 | 25.0 | 0.0 | R 2.7 | 0.0 | 14.2 | R 47.0 | R 30.8 | R 77.9 |
| 2006 | 0.1 | 4.9 | 15.2 | 0.8 | 3.2 | 0.2 | 1.8 | 21.2 | 0.0 | R 2.6 | 0.0 | 14.1 | R 42.9 | R 30.3 | R 73.2 |
| 2007 | 0.1 | 6.3 | 17.1 | 0.7 | 4.9 | 0.3 | 2.6 | 25.4 | 0.0 | R 2.7 | 0.0 | 14.3 | R 48.8 | R 30.7 | R 79.5 |
| 2008 | 0.0 | 6.3 | R 15.5 | 0.3 | 4.9 | 0.1 | 4.8 | R 25.7 | 0.0 | R 2.9 | 0.0 | 14.2 | R 49.0 | R 30.3 | R 79.3 |
| 2009 | 0.0 | 5.8 | 12.6 | 0.3 | 5.7 | 0.2 | 2.7 | 21.4 | 0.0 | 3.0 | 0.0 | 13.9 | 44.1 | 29.2 | 73.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 562 | 0 | 402 | 38 | 166 | 2,639 | 884 | 4,130 | 906 | – – | – – | – – | 1,246 | – – | – – | – – |
| 1965 | 191 | 0 | 500 | 100 | 145 | 1,270 | 1,103 | 3,117 | 697 | – – | – – | – – | 1,715 | – – | – – | – – |
| 1970 | 48 | (s) | 805 | 182 | 137 | 5,128 | 883 | 7,134 | 940 | – – | – – | – – | 2,370 | – – | – – | – – |
| 1975 | 32 | 1 | 682 | 250 | 79 | 5,848 | 814 | 7,674 | 832 | – – | – – | – – | 2,477 | – – | – – | – – |
| 1980 | 99 | 1 | 762 | 400 | 76 | 4,047 | 528 | 5,812 | 974 | – – | – – | – – | 3,470 | – – | – – | – – |
| 1985 | 157 | 1 | 509 | 249 | 124 | 3,407 | 2,278 | 6,567 | 974 | – – | – – | – – | 4,067 | – – | – – | – – |
| 1990 | 222 | 2 | 841 | 358 | 94 | 4,789 | 738 | 6,821 | 1,344 | – – | – – | – – | 4,750 | – – | – – | – – |
| 1995 | 279 | 2 | 1,201 | 216 | 169 | 7,378 | 729 | 9,693 | 1,155 | – – | – – | – – | 4,959 | – – | – – | – – |
| 1996 | 230 | 2 | 1,336 | 278 | 176 | 7,722 | 1,602 | 11,115 | 1,378 | – – | – – | – – | 4,772 | – – | – – | – – |
| 1997 | 190 | 3 | 1,253 | 87 | 179 | 6,682 | 1,909 | 10,109 | 1,285 | – – | – – | – – | 4,957 | – – | – – | – – |
| 1998 | 138 | 2 | 1,352 | 133 | 117 | 5,423 | 1,665 | 8,690 | 1,299 | – – | – – | – – | 4,622 | – – | – – | – – |
| 1999 | 117 | 3 | 1,033 | 11 | 86 | 5,281 | 1,643 | 8,054 | 1,303 | – – | – – | – – | 4,687 | – – | – – | – – |
| 2000 | 219 | 13 | 969 | 89 | 87 | 5,315 | 1,657 | 8,118 | 1,296 | – – | – – | – – | 4,551 | – – | – – | – – |
| 2001 | 124 | 11 | 798 | 198 | 216 | 4,419 | 666 | 6,297 | 935 | – – | – – | – – | 4,413 | – – | – – | – – |
| 2002 | 88 | 4 | 818 | 307 | 228 | 4,156 | 558 | 6,068 | 937 | – – | – – | – – | 3,550 | – – | – – | – – |
| 2003 | 119 | 3 | 1,258 | 87 | 241 | 2,706 | 583 | 4,875 | 1,022 | – – | – – | – – | 3,793 | – – | – – | – – |
| 2004 | 116 | 3 | 1,484 | 28 | 281 | 3,155 | 842 | 5,792 | 563 | – – | – – | – – | 3,711 | – – | – – | – – |
| 2005 | 127 | 3 | 1,059 | 278 | 265 | 3,972 | 517 | 6,091 | 625 | – – | – – | – – | 3,702 | – – | – – | – – |
| 2006 | 109 | 3 | 820 | 385 | 292 | 3,287 | R 127 | R 4,911 | 779 | – – | – – | – – | 3,800 | – – | – – | – – |
| 2007 | 112 | 15 | 950 | 287 | 261 | 2,772 | R 431 | R 4,700 | 694 | – – | – – | – – | 3,252 | – – | – – | – – |
| 2008 | 100 | 17 | R 1,100 | R 57 | 199 | 2,044 | R 97 | R 3,498 | 762 | – – | – – | – – | 3,175 | – – | – – | – – |
| 2009 | 31 | 25 | 880 | 100 | 193 | 1,862 | 84 | 3,119 | 757 | – – | – – | – – | 2,852 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 14.5 | 0.0 | 2.3 | 0.2 | 0.9 | 16.6 | 5.7 | 25.7 | 9.7 | 20.5 | NA | NA | 4.3 | 74.7 | 10.5 | 85.3 |
| 1965 | 4.9 | 0.0 | 2.9 | 0.4 | 0.8 | 8.0 | 7.0 | 19.0 | 7.3 | 23.5 | NA | NA | 5.9 | 60.6 | 14.0 | 74.5 |
| 1970 | 1.2 | 0.4 | 4.7 | 0.7 | 0.7 | 32.2 | 5.7 | 44.0 | 9.9 | 25.0 | NA | NA | 8.1 | 88.4 | 19.6 | 108.0 |
| 1975 | 0.8 | 0.7 | 4.0 | 0.9 | 0.4 | 36.8 | 5.3 | 47.4 | 8.7 | 26.8 | NA | NA | 8.5 | 92.7 | 20.3 | R 113.0 |
| 1980 | 2.4 | 0.8 | 4.4 | 1.5 | 0.4 | 25.4 | 3.4 | 35.2 | 10.1 | 86.2 | NA | NA | 11.8 | 146.5 | R 28.4 | R 174.9 |
| 1985 | 3.9 | 0.9 | 3.0 | 0.9 | 0.7 | 21.4 | 15.0 | 41.0 | 10.2 | 101.0 | 0.0 | NA | 13.9 | 170.8 | R 31.8 | R 202.6 |
| 1990 | 5.5 | 2.0 | 4.9 | 1.3 | 0.5 | 30.1 | 4.8 | 41.6 | 14.0 | 80.1 | 0.0 | 0.0 | 16.2 | 159.5 | R 37.2 | R 196.7 |
| 1995 | 7.0 | 2.0 | 7.0 | 0.8 | 0.9 | 46.4 | 4.6 | 59.6 | 11.9 | 98.4 | 0.0 | 0.0 | 16.9 | 195.8 | R 38.2 | R 234.0 |
| 1996 | 5.8 | 2.2 | 7.8 | 1.0 | 0.9 | 48.6 | 9.1 | 67.4 | 14.2 | 94.8 | 0.0 | 0.0 | 16.3 | 200.7 | R 36.8 | R 237.5 |
| 1997 | 4.7 | 2.6 | 7.3 | 0.3 | 0.9 | 42.0 | 11.0 | 61.6 | 13.1 | 97.6 | 0.0 | 0.0 | 16.9 | 196.5 | R 38.1 | R 234.6 |
| 1998 | 3.4 | 2.3 | 7.9 | 0.5 | 0.6 | 34.1 | 9.4 | 52.5 | 13.2 | 83.5 | 0.0 | 0.0 | 15.8 | 170.7 | R 35.5 | R 206.2 |
| 1999 | 2.9 | 2.6 | 6.0 | (s) | 0.4 | 33.2 | 9.3 | 49.0 | 13.3 | 88.9 | 0.0 | 0.0 | 16.0 | 172.7 | R 36.4 | R 209.1 |
| 2000 | 5.7 | 15.0 | 5.6 | 0.3 | 0.5 | 33.4 | 9.4 | 49.2 | 13.2 | 92.8 | 0.0 | 0.0 | 15.5 | 191.4 | R 35.1 | R 226.6 |
| 2001 | 3.2 | 12.9 | 4.6 | 0.7 | 1.1 | 27.8 | 4.3 | 38.6 | 9.7 | 82.7 | 0.0 | 0.0 | 15.1 | 162.1 | R 33.4 | R 195.4 |
| 2002 | 2.3 | 3.8 | 4.8 | 1.1 | 1.2 | 26.1 | 3.6 | 36.8 | 9.5 | 76.6 | 0.0 | 0.0 | 12.1 | 141.2 | R 26.8 | R 168.1 |
| 2003 | 3.1 | 3.5 | 7.3 | 0.3 | 1.3 | 17.0 | 3.8 | 29.7 | 10.5 | 64.1 | 0.0 | 0.0 | 12.9 | 123.8 | R 28.4 | R 152.2 |
| 2004 | 3.0 | 2.8 | 8.6 | 0.1 | 1.5 | 19.8 | 5.5 | 35.6 | 5.6 | 65.4 | 0.0 | 0.0 | 12.7 | 125.0 | R 27.9 | R 152.9 |
| 2005 | 3.2 | 2.8 | 6.2 | 1.0 | 1.4 | 25.0 | 3.3 | 36.8 | 6.2 | 67.8 | 0.0 | 0.0 | 12.6 | 129.5 | R 27.5 | R 157.0 |
| 2006 | 2.8 | 3.2 | 4.8 | 1.4 | 1.5 | 20.7 | 0.8 | 29.1 | 7.7 | R 61.0 | 0.0 | 0.0 | 13.0 | R 116.8 | R 27.9 | R 144.7 |
| 2007 | 2.9 | 16.5 | 5.5 | 1.0 | 1.4 | 17.4 | 2.8 | R 28.1 | 6.9 | R 68.1 | 0.0 | 0.0 | 11.1 | R 133.6 | R 23.8 | R 157.4 |
| 2008 | 2.6 | 17.8 | 6.4 | 0.2 | 1.0 | 12.9 | 0.6 | 21.1 | 7.5 | R 93.7 | 0.0 | 0.0 | 10.8 | R 153.6 | R 23.2 | R 176.8 |
| 2009 | 0.8 | 26.5 | 5.1 | 0.4 | 1.0 | 11.7 | 0.5 | 18.7 | 7.4 | 56.1 | 0.0 | 0.0 | 9.7 | 119.2 | 20.5 | 139.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 10 | 0 | 57 | 1,251 | 1,904 | 1 | 133 | 8,183 | 776 | 12,305 | 0 | – – | – – | – – |
| 1965 | 1 | 0 | 89 | 1,199 | 1,812 | 2 | 116 | 8,952 | 625 | 12,794 | 0 | – – | – – | – – |
| 1970 | (s) | 0 | 93 | 1,385 | 2,300 | 3 | 114 | 10,848 | 1,415 | 16,158 | 0 | – – | – – | – – |
| 1975 | (s) | 0 | 71 | 1,524 | 1,988 | 3 | 108 | 12,526 | 934 | 17,155 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 82 | 1,593 | 1,875 | 9 | 132 | 11,644 | 209 | 15,544 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 41 | 3,300 | 1,639 | 15 | 120 | 12,320 | 21 | 17,455 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 62 | 4,474 | 2,528 | 17 | 135 | 13,931 | 147 | 21,295 | 0 | – – | – – | – – |
| 1995 | 0 | (s) | 35 | 3,598 | 841 | 11 | 129 | 14,187 | 204 | 19,004 | 0 | – – | – – | – – |
| 1996 | 0 | (s) | 28 | 3,624 | 891 | 7 | 125 | 14,771 | 202 | 19,648 | (s) | – – | – – | – – |
| 1997 | 0 | (s) | 36 | 3,634 | 954 | 13 | 132 | 15,796 | 107 | 20,673 | (s) | – – | – – | – – |
| 1998 | 0 | (s) | 25 | 3,572 | 930 | 6 | 138 | 15,190 | 281 | 20,142 | (s) | – – | – – | – – |
| 1999 | 0 | (s) | 34 | 3,617 | 864 | 5 | 140 | 16,061 | 187 | 20,908 | (s) | – – | – – | – – |
| 2000 | 0 | 1 | 25 | 4,126 | 908 | 1 | 138 | 16,229 | 697 | 22,122 | (s) | – – | – – | – – |
| 2001 | 0 | 1 | 58 | 4,128 | 712 | (s) | 126 | 14,062 | 544 | 19,630 | (s) | – – | – – | – – |
| 2002 | 0 | 1 | 37 | 4,228 | 671 | 1 | 124 | 16,631 | 832 | 22,524 | (s) | – – | – – | – – |
| 2003 | 0 | 1 | 38 | 5,022 | 922 | 11 | 115 | 18,010 | 3 | 24,121 | R 0 | – – | – – | – – |
| 2004 | 0 | 1 | 33 | 4,566 | 1,088 | 8 | 117 | 16,699 | 27 | 22,537 | R 0 | – – | – – | – – |
| 2005 | 0 | 1 | 40 | 4,576 | 1,425 | 9 | 116 | 17,040 | 950 | 24,157 | R 0 | – – | – – | – – |
| 2006 | 0 | (s) | 52 | 4,734 | 1,790 | 8 | 113 | 16,674 | 817 | 24,189 | R 0 | – – | – – | – – |
| 2007 | 0 | 1 | 51 | 4,722 | 1,765 | 7 | 117 | 16,464 | 198 | 23,325 | 0 | – – | – – | – – |
| 2008 | 0 | 1 | 33 | R 4,815 | 1,401 | 12 | 108 | 15,607 | 60 | R 22,037 | 0 | – – | – – | – – |
| 2009 | 0 | 1 | 35 | 4,702 | 1,230 | 5 | 97 | 15,764 | 826 | 22,661 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 0.0 | 0.3 | 7.3 | 10.2 | (s) | 0.8 | 43.0 | 4.9 | 66.4 | 0.0 | 66.7 | 0.0 | 66.7 |
| 1965 | (s) | 0.0 | 0.4 | 7.0 | 9.7 | (s) | 0.7 | 47.0 | 3.9 | 68.8 | 0.0 | 68.8 | 0.0 | 68.8 |
| 1970 | (s) | 0.0 | 0.5 | 8.1 | 12.5 | (s) | 0.7 | 57.0 | 8.9 | 87.6 | 0.0 | 87.6 | 0.0 | 87.6 |
| 1975 | (s) | 0.0 | 0.4 | 8.9 | 10.8 | (s) | 0.7 | 65.8 | 5.9 | 92.4 | 0.0 | 92.4 | 0.0 | 92.4 |
| 1980 | 0.0 | 0.1 | 0.4 | 9.3 | 10.2 | (s) | 0.8 | 61.2 | 1.3 | 83.2 | 0.0 | 83.3 | 0.0 | 83.3 |
| 1985 | 0.0 | (s) | 0.2 | 19.2 | 8.9 | 0.1 | 0.7 | 64.7 | 0.1 | 94.0 | 0.0 | 94.0 | 0.0 | 94.0 |
| 1990 | 0.0 | (s) | 0.3 | 26.1 | 14.0 | 0.1 | 0.8 | 73.2 | 0.9 | 115.4 | 0.0 | 115.4 | 0.0 | 115.4 |
| 1995 | 0.0 | 0.1 | 0.2 | 21.0 | 4.8 | (s) | 0.8 | 74.0 | 1.3 | 102.0 | 0.0 | 102.1 | 0.0 | 102.1 |
| 1996 | 0.0 | (s) | 0.1 | 21.1 | 5.1 | (s) | 0.8 | 77.0 | 1.3 | 105.4 | (s) | 105.4 | (s) | 105.4 |
| 1997 | 0.0 | 0.1 | 0.2 | 21.2 | 5.4 | (s) | 0.8 | 82.3 | 0.7 | 110.6 | (s) | 110.8 | (s) | 110.8 |
| 1998 | 0.0 | (s) | 0.1 | 20.8 | 5.3 | (s) | 0.8 | 79.2 | 1.8 | 108.0 | (s) | 108.0 | (s) | 108.0 |
| 1999 | 0.0 | (s) | 0.2 | 21.1 | 4.9 | (s) | 0.8 | 83.7 | 1.2 | 111.9 | (s) | 111.9 | (s) | 111.9 |
| 2000 | 0.0 | 0.9 | 0.1 | 24.0 | 5.1 | (s) | 0.8 | 84.6 | 4.4 | 119.1 | (s) | 120.0 | (s) | 120.0 |
| 2001 | 0.0 | 1.4 | 0.3 | 24.0 | 4.0 | (s) | 0.8 | 73.3 | 3.4 | 105.8 | (s) | 107.2 | (s) | 107.2 |
| 2002 | 0.0 | 0.9 | 0.2 | 24.6 | 3.8 | (s) | 0.8 | 86.6 | 5.2 | 121.2 | (s) | 122.1 | (s) | 122.1 |
| 2003 | 0.0 | 0.9 | 0.2 | 29.3 | 5.2 | (s) | 0.7 | 93.8 | (s) | 129.2 | R 0.0 | 130.1 | R 0.0 | 130.1 |
| 2004 | 0.0 | 0.7 | 0.2 | 26.6 | 6.2 | (s) | 0.7 | 87.1 | 0.2 | 120.9 | R 0.0 | 121.6 | R 0.0 | 121.6 |
| 2005 | 0.0 | 0.6 | 0.2 | 26.7 | 8.1 | (s) | 0.7 | 88.9 | 6.0 | 130.6 | R 0.0 | 131.2 | R 0.0 | 131.2 |
| 2006 | 0.0 | 0.5 | 0.3 | 27.6 | 10.1 | (s) | 0.7 | 87.0 | 5.1 | 130.8 | R 0.0 | 131.4 | R 0.0 | 131.4 |
| 2007 | 0.0 | 0.8 | 0.3 | 27.5 | 10.0 | (s) | 0.7 | 85.9 | 1.2 | 125.7 | 0.0 | 126.5 | 0.0 | 126.5 |
| 2008 | 0.0 | 1.0 | 0.2 | R 28.0 | 7.9 | (s) | 0.7 | 81.4 | 0.4 | R 118.7 | 0.0 | R 119.7 | 0.0 | R 119.7 |
| 2009 | 0.0 | 0.9 | 0.2 | 27.4 | 7.0 | (s) | 0.6 | 82.3 | 5.2 | 122.6 | 0.0 | 123.5 | 0.0 | 123.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Maine

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 17 | 0 | 1,847 | 38 | 0 | 1,885 | 0 | 1,939 | – – | 0 | NA | NA | 149 | – – |
| 1965 | 0 | 0 | 4,373 | 89 | 0 | 4,462 | 0 | 1,372 | – – | 0 | NA | NA | 221 | – – |
| 1970 | 0 | 0 | 4,770 | 95 | 0 | 4,865 | 0 | 1,913 | – – | 0 | NA | NA | 516 | – – |
| 1975 | 0 | 0 | 2,812 | 42 | 0 | 2,854 | 4,502 | 1,832 | – – | 0 | NA | NA | 1,436 | – – |
| 1980 | 0 | 0 | 3,620 | 61 | 0 | 3,680 | 4,404 | 1,443 | – – | 0 | NA | NA | 3,759 | – – |
| 1985 | 0 | 0 | 3,432 | 28 | 0 | 3,461 | 5,354 | 1,718 | – – | 0 | 0 | 0 | 687 | – – |
| 1990 | 136 | (s) | 3,557 | 23 | 0 | 3,581 | 4,861 | 2,746 | – – | 0 | 0 | 0 | 2,224 | – – |
| 1995 | 154 | (s) | 1,466 | 33 | 245 | 1,744 | 198 | 2,199 | – – | 0 | 0 | 0 | 4,596 | – – |
| 1996 | 156 | (s) | 1,144 | 18 | 265 | 1,427 | 5,062 | 2,780 | – – | 0 | 0 | 0 | 4,296 | – – |
| 1997 | 159 | (s) | 2,503 | 21 | 250 | 2,774 | 0 | 2,363 | – – | 0 | 0 | 0 | 3,433 | – – |
| 1998 | 150 | (s) | 2,958 | 17 | 265 | 3,240 | 0 | 2,417 | – – | 0 | 0 | 0 | 3,941 | – – |
| 1999 | 154 | 1 | 5,686 | 27 | 258 | 5,971 | 0 | 2,453 | – – | 0 | 0 | 0 | 3,853 | – – |
| 2000 | 165 | 27 | 3,235 | 41 | 139 | 3,415 | 0 | 2,295 | – – | 0 | 0 | 0 | 3,855 | – – |
| 2001 | 180 | 80 | 1,862 | 8 | 0 | 1,870 | 0 | 1,710 | – – | 0 | 0 | 0 | 2,821 | – – |
| 2002 | 221 | 91 | 711 | 50 | 0 | 760 | 0 | 1,831 | – – | 0 | 0 | 0 | 2,085 | – – |
| 2003 | 164 | 61 | 2,017 | 131 | 0 | 2,148 | 0 | 2,150 | – – | 0 | 0 | 0 | 2,439 | – – |
| 2004 | 168 | 63 | 1,201 | 130 | 0 | 1,331 | 0 | 2,867 | – – | 0 | 0 | 0 | 3,798 | – – |
| 2005 | 146 | 49 | 1,518 | 28 | 0 | 1,546 | 0 | 3,466 | – – | 0 | 0 | 0 | 4,023 | – – |
| 2006 | 147 | 40 | 158 | 17 | 0 | 175 | 0 | 3,499 | – – | 0 | 0 | 0 | 3,183 | – – |
| 2007 | 136 | 34 | 697 | 26 | 0 | 723 | 0 | 3,044 | – – | 0 | 0 | 99 | 3,365 | – – |
| 2008 | 127 | 37 | 357 | 15 | 0 | 372 | 0 | 3,695 | – – | 0 | 0 | 132 | R 1,119 | – – |
| 2009 | 34 | 37 | 491 | 12 | 0 | 503 | 0 | 3,454 | – – | 0 | 0 | 299 | 1,980 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.5 | 0.0 | 11.6 | 0.2 | 0.0 | 11.8 | 0.0 | 20.9 | 0.0 | 0.0 | NA | NA | 0.5 | 33.7 |
| 1965 | 0.0 | 0.0 | 27.5 | 0.5 | 0.0 | 28.0 | 0.0 | 14.3 | 0.0 | 0.0 | NA | NA | 0.8 | 43.1 |
| 1970 | 0.0 | 0.0 | 30.0 | 0.6 | 0.0 | 30.5 | 0.0 | 20.1 | 0.0 | 0.0 | NA | NA | 1.8 | 52.4 |
| 1975 | 0.0 | 0.0 | 17.7 | 0.2 | 0.0 | 17.9 | 49.6 | 19.1 | 0.0 | 0.0 | NA | NA | 4.9 | 91.5 |
| 1980 | 0.0 | 0.0 | 22.8 | 0.4 | 0.0 | 23.1 | 48.0 | 15.0 | 0.0 | 0.0 | NA | NA | 12.8 | 99.0 |
| 1985 | 0.0 | 0.0 | 21.6 | 0.2 | 0.0 | 21.7 | 56.9 | 17.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 98.9 |
| 1990 | 3.8 | 0.2 | 22.4 | 0.1 | 0.0 | 22.5 | 51.4 | 28.6 | 21.5 | 0.0 | 0.0 | 0.0 | 7.6 | 135.6 |
| 1995 | 3.9 | 0.1 | 9.2 | 0.2 | 1.5 | 10.9 | 2.1 | 22.7 | 19.1 | 0.0 | 0.0 | 0.0 | 15.7 | 74.5 |
| 1996 | 4.0 | 0.1 | 7.2 | 0.1 | 1.6 | 8.9 | 53.2 | 28.7 | 20.5 | 0.0 | 0.0 | 0.0 | 14.7 | 130.0 |
| 1997 | 4.1 | (s) | 15.7 | 0.1 | 1.5 | 17.4 | 0.0 | 24.1 | 19.4 | 0.0 | 0.0 | 0.0 | 11.7 | 76.8 |
| 1998 | 3.8 | 0.1 | 18.6 | 0.1 | 1.6 | 20.3 | 0.0 | 24.7 | 22.8 | 0.0 | 0.0 | 0.0 | 13.4 | 85.1 |
| 1999 | 3.9 | 0.5 | 35.8 | 0.2 | 1.6 | 37.5 | 0.0 | 25.1 | 24.9 | 0.0 | 0.0 | 0.0 | 13.1 | 105.1 |
| 2000 | 4.2 | 27.8 | 20.3 | 0.2 | 0.8 | 21.4 | 0.0 | 23.4 | 26.5 | 0.0 | 0.0 | 0.0 | 13.2 | 116.4 |
| 2001 | 4.6 | 82.7 | 11.7 | (s) | 0.0 | 11.8 | 0.0 | 17.7 | 31.0 | 0.0 | 0.0 | 0.0 | 9.6 | 157.4 |
| 2002 | 5.7 | 94.2 | 4.5 | 0.3 | 0.0 | 4.8 | 0.0 | 18.6 | 30.2 | 0.0 | 0.0 | 0.0 | 7.1 | 160.6 |
| 2003 | 4.3 | 62.9 | 12.7 | 0.8 | 0.0 | 13.4 | 0.0 | 22.0 | 30.6 | 0.0 | 0.0 | 0.0 | 8.3 | 141.6 |
| 2004 | 4.3 | 65.7 | 7.5 | 0.8 | 0.0 | 8.3 | 0.0 | 28.7 | 31.5 | 0.0 | 0.0 | 0.0 | 13.0 | 151.6 |
| 2005 | 3.8 | 51.2 | 9.5 | 0.2 | 0.0 | 9.7 | 0.0 | 34.7 | 42.1 | 0.0 | 0.0 | 0.0 | 13.7 | 155.2 |
| 2006 | 3.8 | 42.6 | 1.0 | 0.1 | 0.0 | 1.1 | 0.0 | 34.7 | 40.8 | 0.0 | 0.0 | 0.0 | 10.9 | 133.9 |
| 2007 | 3.6 | 35.8 | 4.4 | 0.2 | 0.0 | 4.5 | 0.0 | 30.1 | 40.9 | 0.0 | 0.0 | 1.0 | 11.5 | 127.4 |
| 2008 | 3.3 | 38.7 | 2.2 | 0.1 | 0.0 | 2.3 | 0.0 | 36.4 | 34.1 | 0.0 | 0.0 | 1.3 | R 3.8 | R 119.9 |
| 2009 | 0.9 | 38.5 | 3.1 | 0.1 | 0.0 | 3.2 | 0.0 | 33.7 | 30.2 | 0.0 | 0.0 | 2.9 | 6.8 | 116.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 8,528 | 71 | 12,870 | 2,457 | 1,051 | 22,552 | 16,835 | 6,079 | 61,844 | 0 | 1,358 | NA |
| 1965 | 12,372 | 99 | 16,967 | 2,856 | 1,473 | 27,510 | 15,510 | 8,458 | 72,774 | 0 | 1,141 | NA |
| 1970 | 12,216 | 156 | 19,817 | 4,477 | 1,841 | 37,159 | 22,046 | 8,958 | 94,297 | 0 | 1,907 | NA |
| 1971 | 10,765 | 161 | 20,003 | 4,104 | 1,923 | 38,914 | 29,863 | 8,147 | 102,955 | 0 | 1,773 | NA |
| 1972 | 8,821 | 176 | 21,350 | 3,845 | 2,279 | 41,424 | 36,955 | 7,683 | 113,536 | 0 | 2,282 | NA |
| 1973 | 9,974 | 174 | 22,919 | 3,658 | 2,506 | 42,872 | 41,442 | 7,506 | 120,903 | 0 | 2,165 | NA |
| 1974 | 8,795 | 172 | 22,469 | 3,247 | 2,360 | 42,375 | 39,025 | 7,476 | 116,952 | 0 | 1,969 | NA |
| 1975 | 7,761 | 140 | 21,034 | 3,049 | 2,395 | 43,688 | 26,941 | 7,574 | 104,680 | 4,386 | 2,311 | NA |
| 1976 | 9,607 | 148 | 20,205 | 3,125 | 2,738 | 45,544 | 27,570 | 8,122 | 107,304 | 6,420 | 2,088 | NA |
| 1977 | 7,510 | 133 | 21,670 | 3,401 | 2,801 | 46,934 | 26,375 | 8,161 | 109,341 | 10,881 | 2,018 | NA |
| 1978 | 8,323 | 136 | 21,216 | 3,295 | 2,549 | 47,874 | 27,451 | 8,484 | 110,870 | 9,896 | 1,735 | NA |
| 1979 | 9,500 | 172 | 23,768 | 3,237 | 2,050 | 44,482 | 24,027 | 8,600 | 106,164 | 9,674 | 2,191 | NA |
| 1980 | 9,312 | 160 | 21,908 | 3,522 | 2,060 | 44,003 | 16,480 | 7,208 | 95,181 | 10,947 | 1,270 | NA |
| 1981 | 8,376 | 175 | 18,609 | 3,537 | 2,015 | 44,412 | 13,134 | 7,432 | 89,140 | 11,523 | 1,426 | 22 |
| 1982 | 8,597 | 158 | 16,314 | 3,573 | 2,039 | 44,193 | 11,966 | 6,913 | 84,997 | 10,345 | 1,341 | (s) |
| 1983 | 9,083 | 146 | 18,472 | 3,797 | 2,050 | 44,252 | 10,937 | 7,869 | 87,377 | 11,676 | 1,765 | (s) |
| 1984 | 10,595 | 159 | 20,049 | 3,658 | 2,405 | 45,428 | 11,479 | 9,936 | 92,955 | 11,651 | 2,022 | (s) |
| 1985 | 10,012 | 151 | 18,958 | 3,901 | 1,805 | 45,632 | 7,916 | 9,142 | 87,354 | 9,926 | 1,524 | 1 |
| 1986 | 10,750 | 153 | 18,310 | 3,889 | 1,428 | 46,914 | 7,282 | 10,444 | 88,268 | 12,828 | 1,876 | 1 |
| 1987 | 11,311 | 169 | 19,525 | 3,771 | 1,741 | 48,215 | 9,077 | 11,279 | 93,608 | 10,070 | 1,612 | 0 |
| 1988 | 11,757 | 173 | 19,985 | 4,481 | 1,695 | 49,125 | 10,417 | 10,960 | 96,663 | 11,734 | 1,328 | 0 |
| 1989 | 11,541 | 193 | 21,381 | 4,384 | 2,135 | 49,629 | 15,711 | 9,716 | 102,955 | 2,719 | 1,778 | 0 |
| 1990 | 11,193 | 176 | 18,327 | 3,637 | 1,965 | 47,415 | 10,542 | 9,889 | 91,775 | 1,251 | 2,299 | 0 |
| 1991 | 10,709 | 178 | 18,646 | 3,293 | 2,018 | 48,448 | 9,786 | 8,352 | 90,544 | 9,036 | 1,407 | 0 |
| 1992 | 9,713 | 185 | 19,694 | 3,061 | 2,635 | 49,044 | 8,224 | 8,735 | 91,392 | 10,664 | 1,825 | 0 |
| 1993 | 10,268 | 182 | 20,157 | 3,000 | 2,479 | 49,602 | 10,402 | 9,747 | 95,387 | 12,301 | 1,658 | 0 |
| 1994 | 10,491 | 186 | 20,387 | 3,229 | 2,835 | 50,699 | 9,479 | 9,694 | 96,323 | 11,235 | 2,010 | 0 |
| 1995 | 11,198 | 194 | 19,176 | 3,430 | 2,687 | 51,475 | 4,065 | 9,451 | 90,284 | 12,938 | 1,442 | 76 |
| 1996 | 11,366 | 196 | 21,670 | 3,897 | 2,995 | 51,800 | 4,517 | 9,117 | 93,997 | 12,093 | 2,457 | 64 |
| 1997 | 11,239 | 212 | 19,586 | 4,098 | 2,856 | 53,594 | 4,212 | 10,973 | 95,319 | 13,213 | 1,588 | 73 |
| 1998 | 11,790 | 189 | 20,657 | 3,924 | 2,410 | 54,585 | 7,572 | 11,655 | 100,803 | 13,331 | 1,740 | 61 |
| 1999 | 11,824 | 196 | 21,741 | 3,938 | 2,143 | 56,886 | 9,084 | 11,478 | 105,269 | 13,312 | 1,424 | 62 |
| 2000 | 12,221 | 212 | 22,387 | 4,108 | 2,406 | 57,157 | 5,154 | 10,829 | 102,041 | 13,827 | 1,733 | 69 |
| 2001 | 12,519 | 178 | 23,134 | 2,929 | 2,544 | 59,263 | 5,776 | 10,242 | 103,887 | 13,656 | 1,184 | 7 |
| 2002 | 12,571 | 196 | 21,479 | 1,718 | 2,367 | 60,445 | 4,571 | 10,235 | 100,815 | 12,128 | 1,661 | 881 |
| 2003 | 13,039 | 197 | 21,827 | 2,343 | 3,498 | 61,908 | 6,299 | 8,865 | 104,740 | 13,691 | 2,647 | 6 |
| 2004 | 13,006 | 195 | 22,830 | 3,140 | 2,872 | 63,614 | 6,567 | 9,874 | 108,897 | 14,580 | 2,508 | 7 |
| 2005 | 13,091 | 203 | 23,649 | 4,362 | 3,188 | 64,553 | 7,432 | 9,161 | 112,346 | 14,703 | 1,704 | 1,409 |
| 2006 | 12,939 | 182 | 22,607 | 4,144 | 3,111 | 65,673 | 2,622 | R 5,499 | R 103,656 | 13,830 | 2,104 | 3,957 |
| 2007 | 13,142 | 201 | 21,699 | 3,522 | 2,834 | 66,263 | 2,447 | R 6,534 | R 103,299 | 14,353 | 1,652 | 4,950 |
| 2008 | 12,274 | 196 | R 20,074 | 3,836 | 3,187 | 65,177 | 1,633 | R 5,823 | R 99,730 | 14,679 | 1,974 | 4,433 |
| 2009 | 10,740 | 197 | 19,719 | 3,343 | 3,235 | 69,359 | 1,059 | 4,953 | 101,668 | 14,550 | 1,889 | 5,233 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Maryland
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 226.6 | 73.3 | 75.0 | 13.5 | 4.2 | 118.5 | 105.8 | 36.4 | 353.4 | 653.3 | *73.3* | *118.5* |
| 1965 | 327.4 | 101.0 | 98.8 | 15.7 | 5.9 | 144.5 | 97.5 | 50.9 | 413.4 | 841.8 | *101.0* | *144.5* |
| 1970 | 311.3 | 159.6 | 115.4 | 25.0 | 7.0 | 195.2 | 138.6 | 53.3 | 534.4 | 1,005.3 | *159.6* | *195.2* |
| 1971 | 274.0 | 164.7 | 116.5 | 22.8 | 7.3 | 204.4 | 187.7 | 49.1 | 587.9 | 1,026.5 | *164.7* | *204.4* |
| 1972 | 226.4 | 180.3 | 124.4 | 21.4 | 8.6 | 217.6 | 232.3 | 46.6 | 650.9 | 1,057.6 | *180.3* | *217.6* |
| 1973 | 256.8 | 177.6 | 133.5 | 20.4 | 9.4 | 225.2 | 260.5 | 46.2 | 695.3 | 1,129.6 | *177.6* | *225.2* |
| 1974 | 217.5 | 175.5 | 130.9 | 18.0 | 8.8 | 222.6 | 245.4 | 46.0 | 671.7 | 1,064.7 | *175.5* | *222.6* |
| 1975 | 197.2 | 141.9 | 122.5 | 16.9 | 8.9 | 229.5 | 169.4 | 46.4 | 593.6 | 932.6 | *141.9* | *229.5* |
| 1976 | 245.3 | 149.6 | 117.7 | 17.4 | 10.2 | 239.2 | 173.3 | 49.5 | 607.3 | 1,002.3 | *149.6* | *239.2* |
| 1977 | 189.7 | 135.2 | 126.2 | 18.9 | 10.3 | 246.5 | 165.8 | 49.8 | 617.7 | 942.6 | *135.2* | *246.5* |
| 1978 | 209.7 | 139.6 | 123.6 | 18.4 | 9.4 | 251.5 | 172.6 | 52.0 | 627.4 | 976.8 | *139.6* | *251.5* |
| 1979 | 240.7 | 179.6 | 138.5 | 18.0 | 7.5 | 233.7 | 151.1 | 52.3 | 601.0 | 1,021.4 | *179.6* | *233.7* |
| 1980 | 235.7 | 163.0 | 127.6 | 19.5 | 7.6 | 231.1 | 103.6 | 43.5 | 533.0 | 931.6 | *163.4* | *231.1* |
| 1981 | 210.4 | 177.2 | 108.4 | 19.7 | 7.3 | 233.3 | 82.6 | 45.3 | 496.6 | 884.2 | *177.7* | *233.3* |
| 1982 | 217.3 | 159.8 | 95.0 | 19.9 | 7.4 | 232.1 | 75.2 | 42.4 | 472.0 | 849.1 | *160.8* | *232.1* |
| 1983 | 232.6 | 148.3 | 107.6 | 21.1 | 7.4 | 232.5 | 68.8 | 48.8 | 486.1 | 867.1 | *148.7* | *232.5* |
| 1984 | 270.2 | 162.8 | 116.8 | 20.3 | 8.7 | 238.6 | 72.2 | 61.2 | 517.7 | 950.7 | *163.1* | *238.6* |
| 1985 | 256.2 | 155.6 | 110.4 | 21.7 | 6.5 | 239.7 | 49.8 | 56.4 | 484.4 | 896.2 | *156.0* | *239.7* |
| 1986 | 275.0 | 157.9 | 106.7 | 21.6 | 5.2 | 246.4 | 45.8 | 64.2 | 490.0 | 922.9 | *158.0* | *246.4* |
| 1987 | 288.9 | 174.1 | 113.7 | 21.0 | 6.4 | 253.3 | 57.1 | 68.8 | 520.2 | 983.3 | *174.3* | *253.3* |
| 1988 | 301.2 | 177.7 | 116.4 | 25.0 | 6.2 | 258.1 | 65.5 | 66.6 | 537.8 | 1,016.7 | *178.4* | *258.1* |
| 1989 | 295.8 | 198.7 | 124.5 | 24.5 | 7.9 | 260.7 | 98.8 | 59.5 | 575.8 | 1,070.3 | *199.6* | *260.7* |
| 1990 | 286.5 | 180.6 | 106.8 | 20.3 | 7.1 | 249.1 | 66.3 | 61.0 | 510.5 | 977.5 | *180.6* | *249.1* |
| 1991 | 274.8 | 183.0 | 108.6 | 18.4 | 7.3 | 254.5 | 61.5 | 50.9 | 501.2 | 959.0 | *183.0* | *254.5* |
| 1992 | 247.5 | 190.0 | 114.7 | 17.1 | 9.6 | 257.6 | 51.7 | 52.9 | 503.6 | 941.1 | *190.1* | *257.6* |
| 1993 | 261.7 | 186.6 | 117.4 | 16.8 | 8.9 | 260.6 | 65.4 | 59.7 | 528.8 | 977.1 | *187.0* | *260.6* |
| 1994 | 268.9 | 191.0 | 118.8 | 18.2 | 10.3 | 265.2 | 59.6 | 59.2 | 531.3 | 991.1 | *192.0* | *265.2* |
| 1995 | 289.6 | 198.6 | 111.7 | 19.4 | 9.7 | 268.2 | 25.6 | 57.7 | 492.3 | 980.5 | *199.2* | *268.4* |
| 1996 | 292.5 | 200.8 | 126.2 | 22.1 | 10.8 | 270.0 | 28.4 | 55.1 | 512.6 | 1,005.9 | *201.7* | *270.2* |
| 1997 | 289.7 | 219.0 | 114.1 | 23.2 | 10.3 | 279.1 | 26.5 | 67.4 | 520.7 | 1,029.4 | *219.2* | *279.4* |
| 1998 | 303.9 | 195.5 | 120.3 | 22.2 | 8.7 | 284.3 | 47.6 | 70.7 | 553.9 | 1,053.2 | *195.5* | *284.5* |
| 1999 | 305.2 | 202.5 | 126.6 | 22.3 | 7.7 | 296.2 | 57.1 | 69.3 | 579.4 | 1,087.1 | *203.0* | *296.4* |
| 2000 | 312.2 | 219.0 | 130.4 | 23.3 | 8.7 | R 297.6 | 32.4 | 65.8 | 558.1 | 1,089.3 | *219.4* | *297.8* |
| 2001 | 318.9 | 184.8 | 134.8 | 16.6 | 9.2 | 308.7 | 36.3 | 63.2 | 568.8 | 1,072.4 | *185.0* | *308.8* |
| 2002 | 325.8 | 203.5 | 125.1 | 9.7 | 8.6 | 311.7 | 28.7 | 63.3 | R 547.2 | R 1,076.5 | *203.5* | *314.8* |
| 2003 | 329.6 | 204.3 | 127.1 | 13.3 | 12.7 | 322.3 | 39.6 | 54.5 | 569.5 | 1,103.5 | *204.5* | *322.4* |
| 2004 | 327.2 | 201.8 | 133.0 | 17.8 | 10.4 | 331.7 | 41.3 | 60.5 | 594.7 | 1,123.7 | *201.9* | *331.7* |
| 2005 | 329.3 | 211.8 | 137.8 | 24.7 | 11.5 | R 332.0 | 46.7 | 56.0 | R 608.7 | R 1,149.8 | *212.2* | *336.8* |
| 2006 | 324.7 | 189.2 | 131.7 | 23.5 | 11.2 | R 328.9 | 16.5 | R 33.9 | R 545.7 | R 1,059.6 | *189.2* | *342.7* |
| 2007 | 328.0 | 208.2 | 126.4 | 20.0 | 10.2 | R 328.7 | 15.4 | R 41.0 | R 541.6 | R 1,077.8 | *208.5* | *345.8* |
| 2008 | 309.3 | R 203.1 | R 116.9 | 21.7 | 11.5 | R 324.7 | 10.3 | R 36.6 | R 521.7 | R 1,034.1 | R *203.3* | *340.1* |
| 2009 | 266.9 | 204.4 | 114.9 | 19.0 | 11.5 | 343.8 | 6.7 | 31.2 | 527.0 | 998.3 | *204.6* | *361.9* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Maryland (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 14.6 | 23.8 | NA | NA | 23.8 | 0.0 | NA | NA | 38.4 | 5.8 | 0.0 | 697.5 |
| 1965 | 0.0 | 11.9 | 27.1 | NA | NA | 27.1 | 0.0 | NA | NA | 39.0 | -17.7 | 0.0 | 863.1 |
| 1970 | 0.0 | 20.0 | 31.8 | NA | NA | 31.8 | 0.0 | NA | NA | 51.8 | R 16.4 | 0.0 | R 1,073.5 |
| 1971 | 0.0 | 18.6 | 30.7 | NA | NA | 30.7 | 0.0 | NA | NA | 49.3 | R 28.8 | 0.0 | R 1,104.5 |
| 1972 | 0.0 | 23.7 | 32.4 | NA | NA | 32.4 | 0.0 | NA | NA | 56.1 | R 9.0 | 0.0 | R 1,122.8 |
| 1973 | 0.0 | 22.5 | 32.6 | NA | NA | 32.6 | 0.0 | NA | NA | 55.1 | R 29.9 | 0.0 | R 1,214.6 |
| 1974 | 0.0 | 20.6 | 31.8 | NA | NA | 31.8 | 0.0 | NA | NA | 52.4 | R 6.0 | 0.0 | R 1,123.0 |
| 1975 | 48.3 | 24.0 | 31.8 | NA | NA | 31.8 | 0.0 | NA | NA | 55.8 | R 32.6 | 0.0 | R 1,069.4 |
| 1976 | 70.9 | 21.7 | 34.7 | NA | NA | 34.7 | 0.0 | NA | NA | 56.4 | R 18.5 | 0.0 | R 1,148.1 |
| 1977 | 117.2 | 21.1 | 38.5 | NA | NA | 38.5 | 0.0 | NA | NA | 59.6 | R 10.5 | 0.0 | R 1,129.8 |
| 1978 | 108.3 | 18.0 | 41.3 | NA | NA | 41.3 | 0.0 | NA | NA | 59.3 | R 10.4 | 0.0 | R 1,154.6 |
| 1979 | 105.2 | 22.7 | 43.6 | NA | NA | 43.6 | 0.0 | NA | NA | 66.3 | R 26.4 | 0.0 | R 1,219.4 |
| 1980 | 119.4 | 13.2 | 32.6 | NA | NA | 32.6 | 0.0 | NA | NA | 45.8 | R 59.7 | 0.0 | R 1,156.5 |
| 1981 | 127.1 | 14.9 | 30.5 | 0.1 | 0.0 | 30.5 | 0.0 | NA | NA | 45.4 | R 84.2 | 0.0 | R 1,140.9 |
| 1982 | 114.6 | 14.0 | 37.6 | (s) | 0.0 | 37.6 | 0.0 | NA | NA | 51.6 | R 86.8 | 0.0 | R 1,102.1 |
| 1983 | 127.3 | 18.6 | 33.5 | (s) | 0.0 | 33.5 | 0.0 | NA | 0.0 | 52.1 | R 73.8 | 0.0 | R 1,120.3 |
| 1984 | 126.3 | 21.1 | 39.0 | (s) | 0.0 | 39.0 | 0.0 | 0.0 | 0.0 | 60.1 | R 55.1 | 0.0 | R 1,192.3 |
| 1985 | 105.4 | 15.9 | 39.2 | (s) | 0.0 | 39.2 | 0.0 | 0.0 | 0.0 | 55.2 | R 103.1 | 0.0 | R 1,159.9 |
| 1986 | 135.7 | 19.6 | 35.0 | (s) | 0.0 | 35.1 | 0.0 | 0.0 | 0.0 | 54.6 | R 73.2 | 0.0 | R 1,186.5 |
| 1987 | 105.1 | 16.8 | 31.0 | 0.0 | 0.0 | 31.0 | 0.0 | 0.0 | 0.0 | 47.8 | R 116.9 | 0.0 | R 1,253.1 |
| 1988 | 124.4 | 13.7 | 32.5 | 0.0 | 0.0 | 32.5 | 0.0 | 0.0 | 0.0 | 46.2 | R 105.0 | 0.0 | R 1,292.4 |
| 1989 | 28.8 | 18.5 | 36.8 | 0.0 | 0.0 | 36.8 | 0.1 | (s) | 0.0 | 55.5 | R 169.9 | 0.0 | R 1,324.4 |
| 1990 | 13.2 | 23.9 | 26.5 | 0.0 | 0.0 | 26.5 | 0.1 | (s) | 0.0 | 50.5 | R 215.6 | 0.0 | R 1,256.9 |
| 1991 | 94.7 | 14.7 | 26.9 | 0.0 | 0.0 | 26.9 | 0.1 | (s) | 0.0 | 41.7 | R 161.1 | 0.0 | R 1,256.4 |
| 1992 | 111.7 | 18.9 | 27.7 | 0.0 | 0.0 | 27.7 | 0.1 | (s) | 0.0 | 46.7 | R 149.4 | 0.0 | R 1,248.8 |
| 1993 | 129.2 | 17.1 | 32.0 | 0.0 | 0.0 | 32.0 | 0.1 | R (s) | 0.0 | 49.3 | R 140.9 | 0.0 | R 1,296.5 |
| 1994 | 117.4 | 20.7 | 32.1 | 0.0 | 0.0 | 32.1 | 0.1 | 0.1 | 0.0 | 53.0 | R 143.5 | 0.0 | R 1,305.0 |
| 1995 | 135.9 | 14.9 | 36.8 | 0.3 | 0.0 | 37.1 | 0.1 | 0.1 | 0.0 | 52.1 | R 162.5 | 0.0 | R 1,331.0 |
| 1996 | 127.0 | 25.4 | 40.5 | 0.2 | 0.0 | 40.7 | 0.1 | 0.1 | 0.0 | 66.2 | R 166.4 | 0.0 | R 1,365.5 |
| 1997 | 138.7 | 16.2 | 36.5 | 0.3 | 0.0 | 36.8 | 0.1 | 0.1 | 0.0 | 53.2 | R 152.3 | 0.0 | R 1,373.5 |
| 1998 | 139.9 | 17.7 | 34.6 | 0.2 | 0.0 | 34.8 | 0.1 | R (s) | 0.0 | 52.7 | R 126.5 | 0.0 | R 1,372.2 |
| 1999 | 139.1 | 14.6 | 36.2 | 0.2 | 0.0 | 36.4 | 0.1 | (s) | 0.0 | 51.1 | R 135.7 | 0.0 | R 1,413.0 |
| 2000 | 144.2 | 17.7 | 36.3 | 0.2 | 0.0 | 36.5 | 0.1 | (s) | 0.0 | 54.3 | R 154.4 | 0.0 | R 1,442.2 |
| 2001 | 142.6 | 12.2 | 20.8 | (s) | 0.0 | 20.9 | 0.1 | (s) | 0.0 | 33.3 | R 178.3 | 0.1 | R 1,426.8 |
| 2002 | 126.6 | 16.9 | 21.0 | 3.1 | 0.0 | R 24.0 | 0.1 | (s) | 0.0 | R 41.1 | R 259.0 | 0.0 | R 1,503.3 |
| 2003 | 142.7 | 27.1 | 27.1 | (s) | 0.0 | 27.1 | 0.2 | (s) | 0.0 | 54.5 | R 252.3 | 0.0 | R 1,552.9 |
| 2004 | 152.0 | 25.1 | 28.0 | (s) | 0.0 | 28.1 | 0.2 | 0.1 | 0.0 | 53.5 | R 206.9 | 0.0 | R 1,536.2 |
| 2005 | 153.4 | 17.0 | R 26.3 | 4.9 | 0.0 | R 31.2 | 0.2 | 0.1 | 0.0 | R 48.5 | R 205.3 | 0.0 | R 1,557.1 |
| 2006 | 144.3 | 20.9 | R 24.5 | 13.7 | 0.0 | R 38.2 | 0.3 | 0.1 | 0.0 | R 59.4 | R 183.7 | 0.0 | R 1,447.1 |
| 2007 | 150.5 | 16.3 | R 24.2 | 17.2 | 0.0 | R 41.4 | 0.3 | 0.1 | 0.0 | R 58.1 | R 195.1 | 0.0 | R 1,481.5 |
| 2008 | 153.4 | 19.5 | R 24.6 | 15.4 | 0.0 | R 39.9 | 0.4 | 0.1 | 0.0 | R 59.9 | R 192.7 | 0.0 | R 1,440.2 |
| 2009 | 152.2 | 18.4 | 23.5 | 18.1 | 0.0 | 41.6 | 0.5 | 0.2 | 0.0 | 60.7 | 218.2 | 0.0 | 1,429.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 5,440 | 71 | 12,854 | 2,457 | 1,051 | 22,552 | 16,669 | 6,079 | 61,662 | 1 | – – | – – | – – | – – | 8,756 | – – | – – | – – |
| 1965 | 6,354 | 98 | 16,942 | 2,856 | 1,473 | 27,510 | 15,241 | 8,458 | 72,479 | 1 | – – | – – | – – | – – | 13,394 | – – | – – | – – |
| 1970 | 6,266 | 145 | 18,872 | 4,477 | 1,841 | 37,159 | 12,101 | 8,958 | 83,406 | (s) | – – | – – | – – | – – | 22,506 | – – | – – | – – |
| 1975 | 3,888 | 140 | 20,422 | 2,973 | 2,395 | 43,688 | 8,960 | 7,574 | 86,011 | 0 | – – | – – | – – | – – | 27,302 | – – | – – | – – |
| 1980 | 3,404 | 155 | 20,807 | 3,512 | 2,060 | 44,003 | 8,341 | 7,208 | 85,931 | 0 | – – | – – | – – | – – | 34,586 | – – | – – | – – |
| 1985 | 2,967 | 149 | 18,128 | 3,901 | 1,805 | 45,632 | 2,784 | 9,142 | 81,392 | 0 | – – | – – | – – | – – | 39,327 | – – | – – | – – |
| 1990 | 2,248 | 155 | 17,729 | 3,637 | 1,965 | 47,415 | 3,597 | 9,889 | 84,231 | 0 | – – | – – | – – | – – | 49,534 | – – | – – | – – |
| 1995 | 1,057 | 175 | 18,501 | 3,430 | 2,687 | 51,475 | 1,779 | 9,451 | 87,324 | 0 | – – | – – | – – | – – | 56,158 | – – | – – | – – |
| 2000 | 894 | 183 | 21,805 | 4,108 | 2,406 | 57,157 | 1,421 | 10,829 | 97,725 | 0 | – – | – – | – – | – – | 60,678 | – – | – – | – – |
| 2001 | 1,361 | 161 | 22,158 | 2,929 | 2,544 | 59,263 | 1,186 | 10,242 | 98,322 | 0 | – – | – – | – – | – – | 61,640 | – – | – – | – – |
| 2002 | 1,326 | 174 | 20,770 | 1,718 | 2,367 | 60,445 | 1,170 | 10,235 | 96,704 | 0 | – – | – – | – – | – – | 68,380 | – – | – – | – – |
| 2003 | 1,259 | 186 | 20,673 | 2,343 | 3,498 | 61,908 | 1,277 | 8,865 | 98,564 | 0 | – – | – – | – – | – – | 71,259 | – – | – – | – – |
| 2004 | 1,431 | 183 | 21,693 | 3,140 | 2,872 | 63,614 | 2,051 | 9,874 | 103,243 | 0 | – – | – – | – – | – – | 66,892 | – – | – – | – – |
| 2005 | 1,381 | 182 | 22,453 | 4,362 | 3,188 | 64,553 | 2,105 | 9,161 | 105,822 | 0 | – – | – – | – – | – – | 68,365 | – – | – – | – – |
| 2006 | 1,301 | 160 | 22,158 | 4,144 | 3,111 | 65,673 | 2,028 | 5,499 | 102,612 | 0 | – – | – – | – – | – – | 63,173 | – – | – – | – – |
| 2007 | 1,258 | 178 | 20,935 | 3,522 | 2,834 | 66,263 | 1,402 | 6,534 | 101,491 | 0 | – – | – – | – – | – – | 65,391 | – – | – – | – – |
| 2008 | 1,209 | 176 | 19,564 | 3,836 | 3,187 | 65,177 | 1,329 | 5,823 | 98,916 | 0 | – – | – – | – – | – – | 63,326 | – – | – – | – – |
| 2009 | 936 | 179 | 19,369 | 3,343 | 3,235 | 69,359 | 780 | 4,953 | 101,038 | 0 | – – | – – | – – | – – | 62,589 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 144.4 | 73.2 | 74.9 | 13.5 | 4.2 | 118.5 | 104.8 | 36.4 | 352.2 | (s) | 23.8 | NA | NA | NA | 29.9 | 623.6 | 73.9 | 697.5 |
| 1965 | 168.7 | 100.9 | 98.7 | 15.7 | 5.9 | 144.5 | 95.8 | 50.9 | 411.6 | (s) | 27.1 | NA | NA | NA | 45.7 | 754.0 | 109.1 | 863.1 |
| 1970 | 164.9 | 147.9 | 109.9 | 25.0 | 7.0 | 195.2 | 76.1 | 53.3 | 466.4 | (s) | 31.8 | NA | NA | NA | 76.8 | 887.7 | 185.8 | 1,073.5 |
| 1975 | 103.0 | 141.4 | 119.0 | 16.5 | 8.9 | 229.5 | 56.3 | 46.4 | 476.6 | 0.0 | 31.8 | NA | NA | NA | 93.2 | 845.9 | 223.4 | 1,069.4 |
| 1980 | 89.4 | 158.1 | 121.2 | 19.5 | 7.6 | 231.1 | 52.4 | 43.5 | 475.3 | 0.0 | 32.6 | NA | NA | NA | 118.0 | 873.0 | 283.5 | 1,156.5 |
| 1985 | 77.8 | 154.6 | 105.6 | 21.7 | 6.5 | 239.7 | 17.5 | 56.4 | 447.3 | 0.0 | 39.1 | 0.0 | NA | NA | 134.2 | 852.5 | 307.3 | 1,159.9 |
| 1990 | 58.6 | 158.9 | 103.3 | 20.3 | 7.1 | 249.1 | 22.6 | 61.0 | 463.3 | 0.0 | 19.2 | 0.0 | 0.1 | (s) | 169.0 | 869.1 | 387.8 | 1,256.9 |
| 1995 | 26.6 | 179.7 | 107.8 | 19.4 | 9.7 | 268.4 | 11.2 | 57.7 | 474.3 | 0.0 | 26.7 | 0.0 | 0.1 | 0.1 | 191.6 | 898.4 | 432.5 | 1,331.0 |
| 2000 | 22.4 | 189.2 | 127.0 | 23.3 | 8.7 | 297.8 | 8.9 | 65.8 | 531.5 | 0.0 | 23.9 | 0.0 | 0.1 | (s) | 207.0 | 974.0 | 468.2 | 1,442.2 |
| 2001 | 35.5 | 166.9 | 129.1 | 16.6 | 9.2 | 308.8 | 7.5 | 63.2 | 534.3 | 0.0 | 13.8 | 0.0 | 0.1 | (s) | 210.3 | 960.8 | 466.0 | 1,426.8 |
| 2002 | 34.1 | 180.3 | 121.0 | 9.7 | 8.6 | 314.8 | 7.4 | 63.3 | 524.7 | 0.0 | 13.7 | 0.0 | 0.1 | (s) | 233.3 | 986.3 | 517.0 | 1,503.3 |
| 2003 | 32.0 | 193.1 | 120.4 | 13.3 | 12.7 | 322.4 | 8.0 | 54.5 | 531.3 | 0.0 | 20.0 | 0.0 | 0.2 | (s) | 243.1 | 1,019.5 | 533.4 | 1,552.9 |
| 2004 | 35.9 | 189.4 | 126.4 | 17.8 | 10.4 | 331.7 | 12.9 | 60.5 | 559.7 | 0.0 | 20.7 | 0.0 | 0.2 | 0.1 | 228.2 | 1,034.2 | 502.0 | 1,536.2 |
| 2005 | 33.8 | 190.8 | 130.8 | 24.7 | 11.5 | 336.8 | 13.2 | 56.0 | 573.1 | 0.0 | 19.0 | 0.0 | 0.2 | 0.1 | 233.3 | 1,049.8 | 507.2 | 1,557.1 |
| 2006 | 31.5 | 166.4 | 129.1 | 23.5 | 11.2 | 342.7 | 12.7 | 33.9 | 553.1 | 0.0 | 16.9 | 0.0 | 0.3 | 0.1 | 215.5 | 983.7 | 463.4 | 1,447.1 |
| 2007 | 30.8 | 184.4 | 121.9 | 20.0 | 10.2 | 345.8 | 8.8 | 41.0 | 547.7 | 0.0 | 16.7 | 0.0 | 0.3 | 0.1 | 223.1 | 1,002.9 | 478.6 | 1,481.5 |
| 2008 | 29.4 | 182.8 | 114.0 | 21.7 | 11.5 | 340.1 | 8.4 | 36.6 | 532.2 | 0.0 | 16.9 | 0.0 | 0.4 | 0.1 | 216.1 | 977.7 | 462.5 | 1,440.2 |
| 2009 | 22.9 | 185.7 | 112.8 | 19.0 | 11.5 | 361.9 | 4.9 | 31.2 | 541.3 | 0.0 | 16.1 | 0.0 | 0.5 | 0.2 | 213.6 | 980.0 | 449.4 | 1,429.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 169 | 46 | 6,053 | 2,234 | 498 | 8,785 | 406 | – – | – – | 2,772 | – – | – – | – – |
| 1965 | 133 | 57 | 7,191 | 2,177 | 722 | 10,090 | 328 | – – | – – | 4,384 | – – | – – | – – |
| 1970 | 46 | 73 | 8,234 | 2,166 | 814 | 11,214 | 377 | – – | – – | 7,690 | – – | – – | – – |
| 1975 | 10 | 69 | 8,453 | 1,014 | 1,004 | 10,470 | 452 | – – | – – | 9,660 | – – | – – | – – |
| 1980 | 8 | 68 | 8,797 | 830 | 598 | 10,225 | 794 | – – | – – | 12,119 | – – | – – | – – |
| 1985 | 27 | 68 | 5,609 | 1,113 | 798 | 7,520 | 972 | – – | – – | 14,319 | – – | – – | – – |
| 1990 | 10 | 66 | 5,090 | 385 | 880 | 6,354 | 393 | – – | – – | 19,102 | – – | – – | – – |
| 1995 | 39 | 77 | 4,923 | 535 | 1,331 | 6,788 | 588 | – – | – – | 22,234 | – – | – – | – – |
| 1996 | 5 | 86 | 5,811 | 593 | 1,497 | 7,902 | 611 | – – | – – | 22,986 | – – | – – | – – |
| 1997 | 6 | 77 | 5,016 | 597 | 1,608 | 7,221 | 458 | – – | – – | 21,937 | – – | – – | – – |
| 1998 | 6 | 68 | 4,314 | 720 | 1,466 | 6,500 | 407 | – – | – – | 22,407 | – – | – – | – – |
| 1999 | 6 | 75 | 4,668 | 523 | 1,343 | 6,534 | 428 | – – | – – | 23,342 | – – | – – | – – |
| 2000 | 9 | 84 | 4,865 | 505 | 1,088 | 6,459 | 460 | – – | – – | 23,949 | – – | – – | – – |
| 2001 | 8 | 71 | 4,798 | 471 | 1,308 | 6,576 | 290 | – – | – – | 24,294 | – – | – – | – – |
| 2002 | (s) | 80 | 4,400 | 305 | 1,363 | 6,068 | 294 | – – | – – | 25,489 | – – | – – | – – |
| 2003 | 1 | 91 | 4,119 | 404 | 1,894 | 6,417 | 310 | – – | – – | 26,671 | – – | – – | – – |
| 2004 | 6 | 86 | 4,098 | 550 | 1,625 | 6,272 | 318 | – – | – – | 27,952 | – – | – – | – – |
| 2005 | 3 | 86 | 4,096 | 617 | 1,629 | 6,343 | R 229 | – – | – – | 28,440 | – – | – – | – – |
| 2006 | 4 | 71 | 3,385 | 437 | 1,407 | 5,230 | R 208 | – – | – – | 26,905 | – – | – – | – – |
| 2007 | 4 | 83 | 3,351 | 225 | 1,558 | 5,134 | R 230 | – – | – – | 28,195 | – – | – – | – – |
| 2008 | 3 | 81 | R 3,062 | 104 | 1,855 | R 5,021 | R 240 | – – | – – | 27,144 | – – | – – | – – |
| 2009 | 3 | 83 | 3,381 | 117 | 1,967 | 5,465 | 230 | – – | – – | 26,945 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 4.2 | 47.5 | 35.3 | 12.7 | 2.0 | 49.9 | 8.1 | NA | NA | 9.5 | 119.2 | 23.4 | 142.6 |
| 1965 | 3.3 | 58.1 | 41.9 | 12.3 | 2.9 | 57.1 | 6.6 | NA | NA | 15.0 | 140.0 | 35.7 | R 175.7 |
| 1970 | 1.1 | 74.5 | 48.0 | 12.3 | 3.1 | 63.3 | 7.5 | NA | NA | 26.2 | 172.7 | 63.5 | 236.2 |
| 1975 | 0.2 | 70.1 | 49.2 | 5.7 | 3.7 | 58.7 | 9.0 | NA | NA | 33.0 | 171.0 | R 79.1 | R 250.1 |
| 1980 | 0.2 | 69.4 | 51.2 | 4.7 | 2.2 | 58.1 | 15.9 | NA | NA | 41.4 | 184.8 | R 99.3 | R 284.1 |
| 1985 | 0.7 | 70.7 | 32.7 | 6.3 | 2.9 | 41.9 | 19.4 | NA | NA | 48.9 | 181.4 | R 111.9 | R 293.3 |
| 1990 | 0.2 | 68.2 | 29.6 | 2.2 | 3.2 | 35.0 | 7.9 | 0.1 | (s) | 65.2 | 176.6 | R 149.5 | R 326.2 |
| 1995 | 1.0 | 78.5 | 28.7 | 3.0 | 4.8 | 36.5 | 11.8 | 0.1 | 0.1 | 75.9 | 203.5 | R 171.2 | R 374.7 |
| 1996 | 0.1 | 88.0 | 33.9 | 3.4 | 5.4 | 42.6 | 12.2 | 0.1 | 0.1 | 78.4 | 221.1 | R 177.2 | R 398.4 |
| 1997 | 0.2 | 80.1 | 29.2 | 3.4 | 5.8 | 38.4 | 9.2 | 0.1 | 0.1 | 74.8 | 202.8 | R 168.5 | R 371.3 |
| 1998 | 0.1 | 70.6 | 25.1 | 4.1 | 5.3 | 34.5 | 8.1 | 0.1 | R (s) | 76.5 | 189.9 | R 172.3 | R 362.2 |
| 1999 | 0.1 | 77.4 | 27.2 | 3.0 | 4.9 | 35.0 | 8.6 | 0.1 | (s) | 79.6 | 200.7 | R 181.1 | R 381.7 |
| 2000 | 0.2 | 86.8 | 28.3 | 2.9 | 3.9 | 35.1 | 9.2 | 0.1 | (s) | 81.7 | 213.2 | R 184.8 | R 398.0 |
| 2001 | 0.2 | 73.3 | 27.9 | 2.7 | 4.7 | 35.3 | 5.8 | 0.1 | (s) | 82.9 | 197.7 | R 183.7 | R 381.3 |
| 2002 | (s) | 83.0 | 25.6 | 1.7 | 4.9 | 32.3 | 5.9 | 0.1 | (s) | 87.0 | 208.3 | R 192.7 | R 401.1 |
| 2003 | (s) | 94.1 | 24.0 | 2.3 | 6.9 | 33.2 | 6.2 | 0.2 | (s) | 91.0 | 224.6 | R 199.6 | R 424.3 |
| 2004 | 0.1 | 89.6 | 23.9 | 3.1 | 5.9 | 32.9 | 6.4 | 0.2 | 0.1 | 95.4 | 224.5 | R 209.8 | R 434.3 |
| 2005 | 0.1 | 89.9 | 23.9 | 3.5 | 5.9 | 33.3 | R 4.6 | 0.2 | 0.1 | 97.0 | R 225.0 | R 211.0 | R 436.0 |
| 2006 | 0.1 | 74.0 | 19.7 | 2.5 | 5.1 | 27.3 | R 4.2 | 0.3 | 0.1 | 91.8 | R 197.6 | R 197.4 | R 395.0 |
| 2007 | 0.1 | 86.5 | 19.5 | 1.3 | 5.6 | 26.4 | R 4.6 | 0.3 | 0.1 | 96.2 | R 214.1 | R 206.3 | R 420.4 |
| 2008 | 0.1 | 84.2 | R 17.8 | 0.6 | 6.7 | R 25.1 | R 4.8 | 0.4 | 0.1 | 92.6 | R 207.3 | R 198.2 | R 405.5 |
| 2009 | 0.1 | 85.7 | 19.7 | 0.7 | 7.0 | 27.4 | 4.6 | 0.5 | 0.2 | 91.9 | 210.2 | 193.5 | 403.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 117 | 8 | 2,357 | 72 | 227 | 72 | 2,442 | 5,171 | NA | – – | – – | 2,696 | – – | – – | – – |
| 1965 | 100 | 13 | 2,800 | 70 | 329 | 90 | 1,920 | 5,210 | NA | – – | – – | 3,937 | – – | – – | – – |
| 1970 | 36 | 26 | 3,206 | 70 | 371 | 103 | 1,498 | 5,247 | NA | – – | – – | 6,347 | – – | – – | – – |
| 1975 | 24 | 25 | 3,291 | 33 | 457 | 120 | 1,169 | 5,071 | NA | – – | – – | 8,573 | – – | – – | – – |
| 1980 | 29 | 29 | 2,865 | 20 | 273 | 121 | 1,159 | 4,438 | NA | – – | – – | 9,387 | – – | – – | – – |
| 1985 | 94 | 24 | 2,169 | 89 | 363 | 170 | 252 | 3,044 | NA | – – | – – | 9,621 | – – | – – | – – |
| 1990 | 38 | 24 | 2,489 | 48 | 401 | 231 | 548 | 3,717 | 0 | – – | – – | 11,021 | – – | – – | – – |
| 1995 | 258 | 47 | 3,097 | 210 | 607 | 32 | 119 | 4,064 | 0 | – – | – – | 23,730 | – – | – – | – – |
| 1996 | 36 | 46 | 3,270 | 151 | 682 | 32 | 108 | 4,242 | 0 | – – | – – | 23,780 | – – | – – | – – |
| 1997 | 49 | 50 | 2,481 | 227 | 732 | 31 | 50 | 3,521 | 0 | – – | – – | 24,070 | – – | – – | – – |
| 1998 | 47 | 57 | 2,555 | 313 | 668 | 31 | 42 | 3,610 | 0 | – – | – – | 24,950 | – – | – – | – – |
| 1999 | 41 | 58 | 2,212 | 254 | 612 | 31 | 52 | 3,162 | 0 | – – | – – | 25,662 | – – | – – | – – |
| 2000 | 74 | 56 | 2,582 | 363 | 496 | 116 | 87 | 3,643 | 0 | – – | – – | 26,506 | – – | – – | – – |
| 2001 | 67 | 60 | 2,513 | 347 | 596 | 33 | 34 | 3,523 | 0 | – – | – – | 26,995 | – – | – – | – – |
| 2002 | 3 | 64 | 2,499 | 171 | 621 | 33 | 63 | 3,387 | 0 | – – | – – | 21,845 | – – | – – | – – |
| 2003 | 5 | 71 | 2,232 | 195 | 871 | 33 | 280 | 3,611 | 0 | – – | – – | 16,950 | – – | – – | – – |
| 2004 | 51 | 70 | 2,108 | 126 | 758 | 33 | 87 | 3,112 | 0 | – – | – – | 17,264 | – – | – – | – – |
| 2005 | 29 | 70 | 1,785 | 126 | 725 | 34 | 98 | 2,767 | 0 | – – | – – | 17,932 | – – | – – | – – |
| 2006 | 38 | 63 | 1,802 | 62 | 761 | 34 | 48 | 2,707 | 0 | – – | – – | 29,729 | – – | – – | – – |
| 2007 | 33 | 71 | 1,188 | 41 | 588 | 34 | 18 | 1,870 | 0 | – – | – – | 30,691 | – – | – – | – – |
| 2008 | 31 | 70 | R 1,217 | 12 | 841 | 34 | 12 | R 2,116 | 0 | – – | – – | 30,003 | – – | – – | – – |
| 2009 | 24 | 69 | 1,659 | 32 | 792 | 34 | 3 | 2,520 | 0 | – – | – – | 29,806 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.9 | 8.3 | 13.7 | 0.4 | 0.9 | 0.4 | 15.4 | 30.8 | NA | 0.2 | NA | 9.2 | 51.4 | 22.7 | 74.1 |
| 1965 | 2.5 | 13.3 | 16.3 | 0.4 | 1.3 | 0.5 | 12.1 | 30.6 | NA | 0.1 | NA | 13.4 | 59.9 | 32.1 | 92.0 |
| 1970 | 0.9 | 26.5 | 18.7 | 0.4 | 1.4 | 0.5 | 9.4 | 30.4 | NA | 0.1 | NA | 21.7 | 79.6 | 52.4 | R 131.9 |
| 1975 | 0.5 | 25.5 | 19.2 | 0.2 | 1.7 | 0.6 | 7.4 | 29.0 | NA | 0.2 | NA | 29.3 | 84.5 | R 70.2 | R 154.7 |
| 1980 | 0.7 | 29.1 | 16.7 | 0.1 | 1.0 | 0.6 | 7.3 | 25.7 | NA | 0.4 | NA | 32.0 | 87.9 | R 76.9 | R 164.9 |
| 1985 | 2.3 | 25.0 | 12.6 | 0.5 | 1.3 | 0.9 | 1.6 | 16.9 | NA | 0.5 | NA | 32.8 | 77.4 | R 75.2 | R 152.6 |
| 1990 | 1.0 | 24.7 | 14.5 | 0.3 | 1.5 | 1.2 | 3.4 | 20.9 | 0.0 | 1.6 | 0.0 | 37.6 | 85.7 | R 86.3 | R 172.0 |
| 1995 | 6.4 | 48.0 | 18.0 | 1.2 | 2.2 | 0.2 | 0.7 | 22.3 | 0.0 | 3.6 | 0.0 | 81.0 | 161.2 | R 182.8 | R 344.0 |
| 1996 | 0.9 | 47.2 | 19.0 | 0.9 | 2.5 | 0.2 | 0.7 | 23.2 | 0.0 | 3.8 | 0.0 | 81.1 | 156.0 | R 183.4 | R 339.4 |
| 1997 | 1.2 | 51.5 | 14.5 | 1.3 | 2.6 | 0.2 | 0.3 | 18.9 | 0.0 | 3.9 | 0.0 | 82.1 | 157.5 | R 184.9 | R 342.4 |
| 1998 | 1.2 | 59.5 | 14.9 | 1.8 | 2.4 | 0.2 | 0.3 | 19.5 | 0.0 | 3.3 | 0.0 | 85.1 | 168.6 | R 191.8 | R 360.4 |
| 1999 | 1.0 | 60.1 | 12.9 | 1.4 | 2.2 | 0.2 | 0.3 | 17.0 | 0.0 | 3.2 | 0.0 | 87.6 | 168.7 | R 199.0 | R 367.7 |
| 2000 | 1.9 | 57.5 | 15.0 | 2.1 | 1.8 | 0.6 | 0.5 | 20.0 | 0.0 | 3.4 | 0.0 | 90.4 | 173.2 | R 204.5 | R 377.7 |
| 2001 | 1.7 | 62.0 | 14.6 | 2.0 | 2.2 | 0.2 | 0.2 | 19.1 | 0.0 | 2.3 | 0.0 | 92.1 | 177.2 | R 204.1 | R 381.3 |
| 2002 | 0.1 | 66.3 | 14.6 | 1.0 | 2.2 | 0.2 | 0.4 | 18.3 | 0.0 | 2.0 | 0.0 | 74.5 | 161.2 | R 165.2 | R 326.4 |
| 2003 | 0.1 | 73.2 | 13.0 | 1.1 | 3.2 | 0.2 | 1.8 | 19.2 | 0.0 | 2.3 | 0.0 | 57.8 | 152.6 | R 126.9 | R 279.5 |
| 2004 | 1.2 | 72.8 | 12.3 | 0.7 | 2.7 | 0.2 | 0.5 | 16.5 | 0.0 | 2.8 | 0.0 | 58.9 | 152.1 | R 129.6 | R 281.7 |
| 2005 | 0.7 | 73.1 | 10.4 | 0.7 | 2.6 | 0.2 | 0.6 | 14.5 | 0.0 | R 2.7 | 0.0 | 61.2 | R 152.0 | R 133.0 | R 285.1 |
| 2006 | 1.0 | 65.2 | 10.5 | 0.4 | 2.7 | 0.2 | 0.3 | 14.1 | 0.0 | R 2.8 | 0.0 | 101.4 | R 184.5 | R 218.1 | R 402.5 |
| 2007 | 0.8 | 73.4 | 6.9 | 0.2 | 2.1 | 0.2 | 0.1 | 9.6 | 0.0 | R 2.6 | 0.0 | 104.7 | R 191.0 | R 224.6 | R 415.6 |
| 2008 | 0.8 | 73.1 | R 7.1 | 0.1 | 3.0 | 0.2 | 0.1 | 10.4 | 0.0 | R 2.8 | 0.0 | 102.4 | R 189.4 | R 219.1 | R 408.5 |
| 2009 | 0.6 | 71.6 | 9.7 | 0.2 | 2.8 | 0.2 | (s) | 12.9 | 0.0 | 2.8 | 0.0 | 101.7 | 189.5 | 214.0 | 403.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 5,067 | 16 | 2,093 | 317 | 670 | 10,333 | 3,177 | 16,589 | 1 | – – | – – | – – | 3,269 | – – | – – | – – |
| 1965 | 6,101 | 28 | 3,177 | 412 | 439 | 8,296 | 5,426 | 17,750 | 1 | – – | – – | – – | 5,073 | – – | – – | – – |
| 1970 | 6,174 | 44 | 3,248 | 624 | 261 | 6,672 | 6,113 | 16,918 | (s) | – – | – – | – – | 8,469 | – – | – – | – – |
| 1975 | 3,854 | 43 | 3,434 | 888 | 293 | 4,983 | 6,015 | 15,614 | 0 | – – | – – | – – | 9,069 | – – | – – | – – |
| 1980 | 3,367 | 54 | 3,297 | 1,163 | 145 | 2,669 | 5,874 | 13,148 | 0 | – – | – – | – – | 13,057 | – – | – – | – – |
| 1985 | 2,846 | 55 | 2,844 | 584 | 299 | 1,022 | 7,581 | 12,329 | 0 | – – | – – | – – | 15,312 | – – | – – | – – |
| 1990 | 2,200 | 62 | 2,059 | 633 | 297 | 1,224 | 9,065 | 13,277 | 0 | – – | – – | – – | 19,308 | – – | – – | – – |
| 1995 | 760 | 49 | 1,737 | 701 | 328 | 728 | 8,356 | 11,851 | 0 | – – | – – | – – | 10,057 | – – | – – | – – |
| 1996 | 785 | 50 | 2,057 | 767 | 343 | 1,361 | 8,044 | 12,573 | 0 | – – | – – | – – | 10,098 | – – | – – | – – |
| 1997 | 768 | 66 | 1,711 | 414 | 363 | 839 | 9,795 | 13,121 | 0 | – – | – – | – – | 10,128 | – – | – – | – – |
| 1998 | 769 | 39 | 2,723 | 263 | 294 | 636 | 10,241 | 14,157 | 0 | – – | – – | – – | 10,344 | – – | – – | – – |
| 1999 | 798 | 37 | 2,366 | 176 | 238 | 592 | 10,332 | 13,705 | 0 | – – | – – | – – | 9,936 | – – | – – | – – |
| 2000 | 810 | 40 | 2,109 | 747 | 251 | 547 | 9,597 | 13,251 | 0 | – – | – – | – – | 10,066 | – – | – – | – – |
| 2001 | 1,286 | 27 | 2,334 | 633 | 787 | 540 | 9,024 | 13,318 | 0 | – – | – – | – – | 10,177 | – – | – – | – – |
| 2002 | 1,323 | 27 | 1,767 | 371 | 860 | 413 | 9,366 | 12,777 | 0 | – – | – – | – – | 20,875 | – – | – – | – – |
| 2003 | 1,254 | 22 | 1,986 | 704 | 946 | 593 | 7,907 | 12,136 | 0 | – – | – – | – – | 27,176 | – – | – – | – – |
| 2004 | 1,375 | 23 | 2,057 | 456 | 1,037 | 719 | 8,841 | 13,110 | 0 | – – | – – | – – | 21,195 | – – | – – | – – |
| 2005 | 1,349 | 24 | 2,062 | 788 | 976 | 847 | 8,021 | 12,694 | 0 | – – | – – | – – | 21,517 | – – | – – | – – |
| 2006 | 1,259 | 23 | 2,137 | 899 | 1,034 | 758 | R 4,625 | R 9,453 | 0 | – – | – – | – – | 6,057 | – – | – – | – – |
| 2007 | 1,221 | 20 | 1,542 | 647 | 1,040 | 654 | R 5,886 | R 9,770 | 0 | – – | – – | – – | 5,980 | – – | – – | – – |
| 2008 | 1,175 | 21 | R 1,712 | R 415 | 885 | 533 | R 5,373 | R 8,918 | 0 | – – | – – | – – | 5,650 | – – | – – | – – |
| 2009 | 909 | 24 | 1,220 | 420 | 852 | 336 | 4,497 | 7,325 | 0 | – – | – – | – – | 5,286 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 135.0 | 16.6 | 12.2 | 1.3 | 3.5 | 65.0 | 20.0 | 102.0 | (s) | 15.6 | NA | NA | 11.2 | 280.2 | 27.6 | 307.8 |
| 1965 | 162.4 | 28.3 | 18.5 | 1.7 | 2.3 | 52.2 | 33.9 | 108.5 | (s) | 20.4 | NA | NA | 17.3 | 336.9 | 41.3 | 378.2 |
| 1970 | 162.7 | 44.9 | 18.9 | 2.4 | 1.4 | 41.9 | 37.2 | 101.8 | (s) | 24.1 | NA | NA | 28.9 | 362.3 | 69.9 | R 432.2 |
| 1975 | 102.2 | 43.6 | 20.0 | 3.3 | 1.5 | 31.3 | 37.6 | 93.7 | 0.0 | 22.6 | NA | NA | 30.9 | 293.0 | R 74.2 | R 367.2 |
| 1980 | 88.6 | 55.5 | 19.2 | 4.3 | 0.8 | 16.8 | 35.9 | 76.9 | 0.0 | 16.4 | NA | NA | 44.6 | 281.7 | R 107.0 | R 388.7 |
| 1985 | 74.8 | 56.5 | 16.6 | 2.1 | 1.6 | 6.4 | 47.4 | 74.1 | 0.0 | 19.2 | 0.0 | NA | 52.2 | 276.7 | R 119.7 | R 396.3 |
| 1990 | 57.4 | 63.5 | 12.0 | 2.3 | 1.6 | 7.7 | 56.2 | 79.8 | 0.0 | 9.7 | 0.0 | 0.0 | 65.9 | 276.3 | R 151.2 | R 427.4 |
| 1995 | 19.2 | 50.2 | 10.1 | 2.5 | 1.7 | 4.6 | 51.4 | 70.4 | 0.0 | 11.3 | 0.0 | 0.0 | 34.3 | 185.3 | R 77.5 | R 262.7 |
| 1996 | 19.7 | 51.5 | 12.0 | 2.8 | 1.8 | 8.6 | 48.9 | 74.0 | 0.0 | 12.3 | 0.0 | 0.0 | 34.5 | 191.7 | R 77.9 | R 269.6 |
| 1997 | 19.3 | 68.2 | 10.0 | 1.5 | 1.9 | 5.3 | 60.7 | 79.3 | 0.0 | 11.8 | 0.0 | 0.0 | 34.6 | 213.0 | R 77.8 | R 290.8 |
| 1998 | 19.2 | 40.0 | 15.9 | 1.0 | 1.5 | 4.0 | 62.6 | 84.9 | 0.0 | 11.1 | 0.0 | 0.0 | 35.3 | 190.5 | R 79.5 | R 270.0 |
| 1999 | 19.9 | 38.5 | 13.8 | 0.6 | 1.2 | 3.7 | 62.7 | 82.1 | 0.0 | 11.7 | 0.0 | 0.0 | 33.9 | 186.0 | R 77.1 | R 263.1 |
| 2000 | 20.3 | 41.4 | 12.3 | 2.7 | 1.3 | 3.4 | 58.7 | 78.4 | 0.0 | 11.3 | 0.0 | 0.0 | 34.3 | 185.7 | R 77.7 | R 263.4 |
| 2001 | 33.6 | 28.4 | 13.6 | 2.3 | 4.1 | 3.4 | 56.2 | 79.6 | 0.0 | 5.7 | 0.0 | 0.0 | 34.7 | 182.1 | R 76.9 | R 259.0 |
| 2002 | 34.1 | 28.2 | 10.3 | 1.3 | 4.5 | 2.6 | 58.3 | 77.0 | 0.0 | 5.8 | 0.0 | 0.0 | 71.2 | 216.3 | R 157.8 | R 374.1 |
| 2003 | 31.8 | 22.7 | 11.6 | 2.6 | 4.9 | 3.7 | 49.0 | 71.8 | 0.0 | 11.5 | 0.0 | 0.0 | 92.7 | 230.5 | R 203.4 | R 433.9 |
| 2004 | 34.5 | 24.2 | 12.0 | 1.6 | 5.4 | 4.5 | 54.6 | 78.2 | 0.0 | 11.6 | 0.0 | 0.0 | 72.3 | 220.8 | R 159.1 | R 379.9 |
| 2005 | 33.0 | 24.9 | 12.0 | 2.9 | 5.1 | 5.3 | 49.5 | 74.8 | 0.0 | 11.7 | 0.0 | 0.0 | 73.4 | 217.8 | R 159.6 | R 377.4 |
| 2006 | 30.4 | 23.9 | 12.4 | 3.2 | 5.4 | 4.8 | R 28.9 | R 54.7 | 0.0 | R 9.9 | 0.0 | 0.0 | 20.7 | R 139.6 | R 44.4 | R 184.0 |
| 2007 | 29.9 | 21.1 | 9.0 | 2.3 | 5.4 | 4.1 | R 37.3 | R 58.1 | 0.0 | R 9.5 | 0.0 | 0.0 | 20.4 | R 139.0 | R 43.8 | R 182.8 |
| 2008 | 28.5 | 21.9 | R 10.0 | 1.5 | 4.6 | 3.3 | R 34.0 | R 53.4 | 0.0 | R 9.3 | 0.0 | 0.0 | 19.3 | R 132.4 | R 41.3 | R 173.7 |
| 2009 | 22.2 | 24.8 | 7.1 | 1.5 | 4.4 | 2.1 | 28.6 | 43.7 | 0.0 | 8.7 | 0.0 | 0.0 | 18.0 | 117.4 | 38.0 | 155.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 87 | 1 | 279 | 2,352 | 2,457 | 9 | 318 | 21,810 | 3,893 | 31,117 | 19 | – – | – – | – – |
| 1965 | 20 | 1 | 474 | 3,774 | 2,856 | 10 | 310 | 26,981 | 5,024 | 39,429 | 0 | – – | – – | – – |
| 1970 | 10 | 2 | 309 | 4,184 | 4,477 | 32 | 299 | 36,795 | 3,931 | 50,027 | 0 | – – | – – | – – |
| 1975 | 1 | 2 | 205 | 5,244 | 2,973 | 46 | 307 | 43,275 | 2,807 | 54,856 | 0 | – – | – – | – – |
| 1980 | 0 | 4 | 173 | 5,848 | 3,512 | 26 | 310 | 43,737 | 4,514 | 58,121 | 23 | – – | – – | – – |
| 1985 | 0 | 2 | 76 | 7,506 | 3,901 | 60 | 282 | 45,163 | 1,511 | 58,499 | 75 | – – | – – | – – |
| 1990 | 0 | 2 | 74 | 8,091 | 3,637 | 52 | 318 | 46,887 | 1,825 | 60,883 | 102 | – – | – – | – – |
| 1995 | 0 | 3 | 48 | 8,744 | 3,430 | 48 | 303 | 51,115 | 931 | 64,619 | 137 | – – | – – | – – |
| 1996 | 0 | 3 | 35 | 9,740 | 3,897 | 49 | 294 | 51,425 | 755 | 66,196 | 133 | – – | – – | – – |
| 1997 | 0 | 3 | 43 | 9,729 | 4,098 | 102 | 311 | 53,200 | 724 | 68,206 | 130 | – – | – – | – – |
| 1998 | 0 | 3 | 56 | 10,372 | 3,924 | 13 | 325 | 54,260 | 1,141 | 70,090 | 134 | – – | – – | – – |
| 1999 | 0 | 3 | 39 | 11,960 | 3,938 | 12 | 329 | 56,617 | 977 | 73,872 | 146 | – – | – – | – – |
| 2000 | 0 | 3 | 40 | 12,248 | 4,108 | 76 | 324 | 56,790 | 787 | 74,373 | 156 | – – | – – | – – |
| 2001 | 0 | 3 | 105 | 12,513 | 2,929 | 7 | 297 | 58,442 | 613 | 74,905 | 174 | – – | – – | – – |
| 2002 | 0 | 3 | 100 | 12,104 | 1,718 | 12 | 293 | 59,552 | 694 | 74,472 | 171 | – – | – – | – – |
| 2003 | 0 | 3 | 88 | 12,336 | 2,343 | 30 | 271 | 60,929 | 404 | 76,400 | 461 | – – | – – | – – |
| 2004 | 0 | 3 | 82 | 13,430 | 3,140 | 34 | 274 | 62,544 | 1,245 | 80,749 | 481 | – – | – – | – – |
| 2005 | 0 | 3 | 123 | 14,510 | 4,362 | 46 | 273 | 63,544 | 1,160 | 84,018 | 477 | – – | – – | – – |
| 2006 | 0 | 3 | 108 | 14,835 | 4,144 | 44 | 266 | 64,605 | 1,221 | 85,222 | 482 | – – | – – | – – |
| 2007 | 0 | 3 | 107 | 14,853 | 3,522 | 41 | 275 | 65,189 | 730 | 84,717 | 524 | – – | – – | – – |
| 2008 | 0 | R 3 | 80 | R 13,573 | 3,836 | R 76 | 255 | 64,257 | 785 | R 82,862 | 529 | – – | – – | – – |
| 2009 | 0 | 4 | 78 | 13,108 | 3,343 | 56 | 229 | 68,472 | 440 | 85,728 | 553 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.3 | 0.9 | 1.4 | 13.7 | 13.5 | (s) | 1.9 | 114.6 | 24.5 | 169.6 | 0.1 | 172.8 | 0.2 | 172.9 |
| 1965 | 0.5 | 1.2 | 2.4 | 22.0 | 15.7 | (s) | 1.9 | 141.7 | 31.6 | 215.4 | 0.0 | 217.1 | 0.0 | 217.1 |
| 1970 | 0.2 | 2.1 | 1.6 | 24.4 | 25.0 | 0.1 | 1.8 | 193.3 | 24.7 | 270.8 | 0.0 | 273.1 | 0.0 | 273.1 |
| 1975 | (s) | 2.2 | 1.0 | 30.5 | 16.5 | 0.2 | 1.9 | 227.3 | 17.6 | 295.1 | 0.0 | 297.3 | 0.0 | 297.3 |
| 1980 | 0.0 | 4.0 | 0.9 | 34.1 | 19.5 | 0.1 | 1.9 | 229.8 | 28.4 | 314.5 | 0.1 | 318.6 | 0.2 | 318.8 |
| 1985 | 0.0 | 2.3 | 0.4 | 43.7 | 21.7 | 0.2 | 1.7 | 237.2 | 9.5 | 314.5 | 0.3 | 317.0 | 0.6 | 317.6 |
| 1990 | 0.0 | 2.5 | 0.4 | 47.1 | 20.3 | 0.2 | 1.9 | 246.3 | 11.5 | 327.7 | 0.3 | 330.5 | 0.8 | 331.3 |
| 1995 | 0.0 | 3.0 | 0.2 | 50.9 | 19.4 | 0.2 | 1.8 | 266.6 | 5.9 | 345.1 | 0.5 | 348.5 | 1.1 | 349.5 |
| 1996 | 0.0 | 2.8 | 0.2 | 56.7 | 22.1 | 0.2 | 1.8 | 268.2 | 4.7 | 354.0 | 0.5 | 357.2 | 1.0 | 358.2 |
| 1997 | 0.0 | 3.3 | 0.2 | 56.7 | 23.2 | 0.4 | 1.9 | 277.3 | 4.6 | 364.3 | 0.4 | 368.0 | 1.0 | 369.0 |
| 1998 | 0.0 | 3.2 | 0.3 | 60.4 | 22.2 | (s) | 2.0 | 282.8 | 7.2 | 374.9 | 0.5 | 378.6 | 1.0 | 379.6 |
| 1999 | 0.0 | 3.5 | 0.2 | 69.7 | 22.3 | (s) | 2.0 | 295.0 | 6.1 | 395.4 | 0.5 | 399.4 | 1.1 | 400.5 |
| 2000 | 0.0 | 3.5 | 0.2 | 71.3 | 23.3 | 0.3 | 2.0 | 295.9 | 4.9 | 397.9 | 0.5 | 401.9 | 1.2 | 403.2 |
| 2001 | 0.0 | 3.1 | 0.5 | 72.9 | 16.6 | (s) | 1.8 | 304.5 | 3.9 | 400.2 | 0.6 | 403.8 | 1.3 | 405.2 |
| 2002 | 0.0 | 2.8 | 0.5 | 70.5 | 9.7 | (s) | 1.8 | 310.1 | 4.4 | 397.1 | 0.6 | 400.5 | 1.3 | 401.8 |
| 2003 | 0.0 | 3.1 | 0.4 | 71.9 | 13.3 | 0.1 | 1.6 | 317.3 | 2.5 | 407.1 | 1.6 | 411.8 | 3.5 | R 415.2 |
| 2004 | 0.0 | 2.8 | 0.4 | 78.2 | 17.8 | 0.1 | 1.7 | 326.2 | 7.8 | 432.2 | 1.6 | 436.7 | 3.6 | 440.3 |
| 2005 | 0.0 | 2.9 | 0.6 | 84.5 | 24.7 | 0.2 | 1.7 | 331.6 | 7.3 | 450.6 | 1.6 | 455.1 | R 3.5 | R 458.6 |
| 2006 | 0.0 | 3.4 | 0.5 | 86.4 | 23.5 | 0.2 | 1.6 | 337.1 | 7.7 | 457.0 | 1.6 | 462.0 | R 3.5 | R 465.5 |
| 2007 | 0.0 | 3.4 | 0.5 | 86.5 | 20.0 | 0.1 | 1.7 | 340.2 | 4.6 | 453.7 | 1.8 | 458.8 | R 3.8 | 462.7 |
| 2008 | 0.0 | R 3.5 | 0.4 | R 79.1 | 21.7 | 0.3 | 1.5 | 335.3 | 4.9 | R 443.3 | 1.8 | R 448.6 | 3.9 | R 452.5 |
| 2009 | 0.0 | 3.7 | 0.4 | 76.4 | 19.0 | 0.2 | 1.4 | 357.3 | 2.8 | 457.4 | 1.9 | 462.9 | 4.0 | 466.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Maryland

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 3,088 | (s) | 166 | 16 | 0 | 182 | 0 | 1,356 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 6,018 | (s) | 269 | 26 | 0 | 295 | 0 | 1,140 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 5,950 | 11 | 9,946 | 945 | 0 | 10,891 | 0 | 1,906 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 3,873 | (s) | 17,982 | 688 | 0 | 18,669 | 4,386 | 2,311 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 5,908 | 5 | 8,139 | 1,111 | 0 | 9,250 | 10,947 | 1,270 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 7,046 | 1 | 5,131 | 830 | 0 | 5,961 | 9,926 | 1,524 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 8,945 | 21 | 6,945 | 598 | 0 | 7,543 | 1,251 | 2,299 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 10,141 | 19 | 2,287 | 674 | 0 | 2,961 | 12,938 | 1,442 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 10,540 | 12 | 2,293 | 792 | 0 | 3,085 | 12,093 | 2,457 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 10,417 | 16 | 2,600 | 650 | 0 | 3,250 | 13,213 | 1,588 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 10,968 | 22 | 5,753 | 694 | 0 | 6,447 | 13,331 | 1,740 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 10,980 | 23 | 7,462 | 535 | 0 | 7,997 | 13,312 | 1,424 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 11,327 | 29 | 3,733 | 582 | 0 | 4,316 | 13,827 | 1,733 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 11,158 | 18 | 4,590 | 976 | 0 | 5,565 | 13,656 | 1,184 | – – | 0 | 0 | 0 | 37 | – – |
| 2002 | 11,245 | 22 | 3,402 | 709 | 0 | 4,111 | 12,128 | 1,661 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 11,780 | 11 | 5,022 | 1,154 | 0 | 6,176 | 13,691 | 2,647 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 11,576 | 12 | 4,516 | 1,137 | 0 | 5,654 | 14,580 | 2,508 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 11,710 | 20 | 5,328 | 1,196 | 0 | 6,524 | 14,703 | 1,704 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 11,638 | 22 | 594 | 449 | 0 | 1,044 | 13,830 | 2,104 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 11,884 | 23 | 1,044 | 764 | 0 | 1,808 | 14,353 | 1,652 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 11,065 | 20 | 304 | 510 | 0 | 814 | 14,679 | 1,974 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 9,805 | 18 | 280 | 351 | 0 | 630 | 14,550 | 1,889 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 82.2 | 0.1 | 1.0 | 0.1 | 0.0 | 1.1 | 0.0 | 14.6 | 0.0 | 0.0 | NA | NA | 0.0 | 98.0 |
| 1965 | 158.7 | 0.1 | 1.7 | 0.1 | 0.0 | 1.8 | 0.0 | 11.9 | 0.0 | 0.0 | NA | NA | 0.0 | 172.5 |
| 1970 | 146.4 | 11.7 | 62.5 | 5.5 | 0.0 | 68.0 | 0.0 | 20.0 | 0.0 | 0.0 | NA | NA | 0.0 | 246.2 |
| 1975 | 94.2 | 0.4 | 113.0 | 4.0 | 0.0 | 117.0 | 48.3 | 24.0 | 0.0 | 0.0 | NA | NA | 0.0 | 284.0 |
| 1980 | 146.3 | 5.4 | 51.2 | 6.5 | 0.0 | 57.6 | 119.4 | 13.2 | 0.0 | 0.0 | NA | NA | 0.0 | 341.8 |
| 1985 | 178.4 | 1.4 | 32.3 | 4.8 | 0.0 | 37.1 | 105.4 | 15.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 338.5 |
| 1990 | 227.9 | 21.7 | 43.7 | 3.5 | 0.0 | 47.1 | 13.2 | 23.9 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 341.2 |
| 1995 | 262.9 | 19.5 | 14.4 | 3.9 | 0.0 | 18.3 | 135.9 | 14.9 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 461.6 |
| 1996 | 271.7 | 12.3 | 14.4 | 4.6 | 0.0 | 19.0 | 127.0 | 25.4 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | 467.5 |
| 1997 | 269.0 | 16.1 | 16.3 | 3.8 | 0.0 | 20.1 | 138.7 | 16.2 | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | 471.9 |
| 1998 | 283.3 | 22.3 | 36.2 | 4.0 | 0.0 | 40.2 | 139.9 | 17.7 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | 515.5 |
| 1999 | 284.1 | 23.7 | 46.9 | 3.1 | 0.0 | 50.0 | 139.1 | 14.6 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 524.2 |
| 2000 | 289.7 | 30.1 | 23.5 | 3.4 | 0.0 | 26.9 | 144.2 | 17.7 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 520.9 |
| 2001 | 283.3 | 18.1 | 28.9 | 5.7 | 0.0 | 34.5 | 142.6 | 12.2 | 7.0 | 0.0 | 0.0 | 0.0 | 0.1 | 498.0 |
| 2002 | 291.7 | 23.2 | 21.4 | 4.1 | 0.0 | 25.5 | 126.6 | 16.9 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 491.3 |
| 2003 | 297.6 | 11.4 | 31.6 | 6.7 | 0.0 | 38.3 | 142.7 | 27.1 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 524.2 |
| 2004 | 291.3 | 12.5 | 28.4 | 6.6 | 0.0 | 35.0 | 152.0 | 25.1 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 523.3 |
| 2005 | 295.5 | 21.5 | 33.5 | 7.0 | 0.0 | 40.5 | 153.4 | 17.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 535.2 |
| 2006 | 293.2 | 22.8 | 3.7 | 2.6 | 0.0 | 6.4 | 144.3 | 20.9 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 495.2 |
| 2007 | 297.2 | 24.1 | 6.6 | 4.4 | 0.0 | 11.0 | 150.5 | 16.3 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 506.6 |
| 2008 | 279.8 | 20.5 | 1.9 | 3.0 | 0.0 | 4.9 | 153.4 | 19.5 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 485.8 |
| 2009 | 244.0 | 18.9 | 1.8 | 2.0 | 0.0 | 3.8 | 152.2 | 18.4 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 444.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 4,559 | 78 | 51,240 | 1,209 | 1,148 | 34,993 | 39,108 | 11,024 | 138,722 | 34 | 982 | NA |
| 1965 | 4,932 | 114 | 55,825 | 3,166 | 1,511 | 39,752 | 54,207 | 10,100 | 164,561 | 966 | 664 | NA |
| 1970 | 910 | 147 | 59,239 | 7,864 | 1,820 | 49,527 | 86,130 | 7,290 | 211,870 | 1,209 | 753 | NA |
| 1971 | 535 | 156 | 61,616 | 8,642 | 1,852 | 50,827 | 83,869 | 7,277 | 214,082 | 1,435 | 706 | NA |
| 1972 | 317 | 160 | 64,284 | 8,904 | 2,164 | 53,634 | 87,842 | 7,046 | 223,874 | 1,499 | 859 | NA |
| 1973 | 221 | 156 | 64,628 | 9,027 | 2,131 | 55,596 | 86,191 | 6,985 | 224,558 | 5,120 | 560 | NA |
| 1974 | 1,119 | 155 | 60,575 | 8,220 | 2,061 | 54,280 | 69,100 | 6,108 | 200,343 | 2,885 | 428 | NA |
| 1975 | 1,016 | 154 | 58,665 | 8,009 | 2,315 | 54,630 | 65,975 | 4,839 | 194,432 | 3,781 | 417 | NA |
| 1976 | 170 | 156 | 62,879 | 8,032 | 2,556 | 56,310 | 74,384 | 5,756 | 209,917 | 3,664 | 490 | NA |
| 1977 | 167 | 160 | 61,008 | 8,773 | 2,984 | 56,962 | 71,513 | 5,851 | 207,091 | 3,675 | 422 | NA |
| 1978 | 131 | 161 | 58,788 | 8,470 | 2,785 | 57,539 | 69,849 | 5,881 | 203,312 | 5,570 | 214 | NA |
| 1979 | 185 | 156 | 43,445 | 8,734 | 2,234 | 55,533 | 57,530 | 5,697 | 173,173 | 6,077 | 438 | NA |
| 1980 | 874 | 183 | 37,613 | 8,573 | 2,125 | 51,443 | 54,143 | 5,355 | 159,253 | 3,232 | 158 | NA |
| 1981 | 1,035 | 185 | 32,035 | 7,992 | 2,572 | 52,079 | 49,418 | 5,585 | 149,682 | 4,331 | 430 | 13 |
| 1982 | 3,422 | 195 | 31,906 | 7,360 | 2,157 | 51,956 | 42,111 | 5,410 | 140,900 | 4,173 | 252 | 1 |
| 1983 | 3,660 | 192 | 31,557 | 7,280 | 2,169 | 52,559 | 35,005 | 4,419 | 132,990 | 6,063 | 278 | (s) |
| 1984 | 4,403 | 209 | 36,779 | 6,899 | 1,721 | 53,880 | 37,554 | 5,407 | 142,239 | 1,035 | 297 | 0 |
| 1985 | 4,176 | 219 | 36,020 | 6,984 | 1,719 | 54,847 | 36,075 | 4,956 | 140,600 | 6,133 | 262 | 0 |
| 1986 | 3,785 | 186 | 38,697 | 6,913 | 2,279 | 56,380 | 49,646 | 5,012 | 158,926 | 2,420 | 392 | 0 |
| 1987 | 4,487 | 227 | 42,152 | 7,850 | 2,634 | 57,692 | 38,070 | 5,319 | 153,717 | 1,136 | 310 | 0 |
| 1988 | 4,463 | 211 | 40,881 | 9,320 | 2,373 | 59,344 | 38,420 | 5,291 | 155,630 | 1,117 | 212 | 0 |
| 1989 | 4,670 | 251 | 43,762 | 10,005 | 2,567 | 58,290 | 38,030 | 4,888 | 157,542 | 3,015 | 404 | 0 |
| 1990 | 4,370 | 264 | 38,606 | 9,806 | 2,631 | 56,125 | 31,948 | 4,941 | 144,056 | 5,070 | 1,249 | 0 |
| 1991 | 4,494 | 273 | 37,398 | 9,398 | 1,919 | 54,488 | 30,503 | 5,438 | 139,144 | 4,417 | 1,115 | 0 |
| 1992 | 4,295 | 332 | 39,725 | 7,880 | 1,869 | 55,436 | 27,315 | 5,247 | 137,472 | 4,742 | 1,011 | 0 |
| 1993 | 3,852 | 338 | 38,457 | 7,728 | 2,102 | 56,065 | 24,276 | 5,161 | 133,789 | 4,339 | 882 | (s) |
| 1994 | 3,970 | 372 | 38,311 | 7,433 | 2,056 | 56,871 | 20,988 | 4,528 | 130,185 | 3,859 | 938 | 0 |
| 1995 | 4,149 | 382 | 37,278 | 6,636 | 2,143 | 58,775 | 13,869 | 4,700 | 123,401 | 4,486 | 869 | 0 |
| 1996 | 4,498 | 377 | 34,449 | 6,873 | 2,563 | 59,794 | 15,396 | 7,277 | 126,352 | 5,324 | 1,189 | 0 |
| 1997 | 4,891 | 403 | 34,545 | 7,301 | 2,109 | 60,912 | 22,386 | 7,409 | 134,663 | 4,310 | 1,032 | 0 |
| 1998 | 4,373 | 359 | 32,837 | 7,736 | 1,969 | 62,284 | 25,658 | 7,483 | 137,966 | 5,698 | 1,030 | 0 |
| 1999 | 4,509 | 345 | 32,766 | 8,081 | 2,295 | 63,433 | 19,248 | 7,833 | 133,657 | 4,518 | 975 | 0 |
| 2000 | 4,556 | 343 | 37,019 | 8,204 | 2,923 | 65,029 | 16,653 | 8,407 | 138,235 | 5,512 | 1,065 | 0 |
| 2001 | 4,429 | 349 | 38,599 | 7,003 | 2,910 | 65,358 | 16,347 | 5,186 | 135,404 | 5,144 | 703 | 0 |
| 2002 | 4,735 | 393 | 37,750 | 5,609 | 2,315 | 67,106 | 12,843 | 5,155 | 130,777 | 5,769 | 875 | 21 |
| 2003 | 4,498 | 404 | 38,654 | 6,396 | 2,608 | 66,973 | 13,762 | 4,743 | 133,135 | 4,978 | 1,075 | 21 |
| 2004 | 4,446 | 373 | 37,923 | 8,235 | 1,962 | 68,242 | 14,152 | 4,967 | 135,480 | 5,939 | 998 | 200 |
| 2005 | 5,136 | 378 | 37,668 | 9,025 | 2,875 | 68,048 | 14,379 | 4,813 | 136,809 | 5,475 | 1,042 | 1,760 |
| 2006 | 4,843 | 371 | 32,642 | 8,387 | 3,681 | 68,400 | 6,504 | R 3,838 | R 123,451 | 5,830 | 1,513 | 4,760 |
| 2007 | 5,229 | 409 | 32,524 | 8,235 | 3,362 | 70,647 | 7,011 | R 3,136 | R 124,915 | 5,120 | 797 | 6,104 |
| 2008 | 4,664 | R 407 | R 31,013 | 11,060 | 3,092 | 68,020 | 5,065 | R 2,142 | R 120,392 | 5,869 | 1,156 | 5,089 |
| 2009 | 3,941 | 396 | 30,037 | 6,205 | 2,812 | 66,639 | 2,655 | 1,853 | 110,201 | 5,396 | 1,201 | 5,647 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 118.7 | 80.6 | 298.5 | 6.7 | 4.6 | 183.8 | 245.9 | 64.8 | 804.3 | 1,003.6 | *80.6* | *183.8* |
| 1965 | 127.9 | 115.7 | 325.2 | 17.8 | 6.1 | 208.8 | 340.8 | 59.0 | 957.7 | 1,201.3 | *115.7* | *208.8* |
| 1970 | 21.4 | 149.1 | 345.1 | 44.5 | 6.9 | 260.2 | 541.5 | 43.9 | 1,242.0 | 1,412.5 | *149.1* | *260.2* |
| 1971 | 13.1 | 158.3 | 358.9 | 48.9 | 7.0 | 267.0 | 527.3 | 43.9 | 1,252.9 | 1,424.3 | *158.3* | *267.0* |
| 1972 | 7.7 | 162.2 | 374.5 | 50.4 | 8.1 | 281.7 | 552.3 | 42.3 | 1,309.2 | 1,479.1 | *162.2* | *281.7* |
| 1973 | 5.2 | 157.3 | 376.5 | 51.1 | 8.0 | 292.0 | 541.9 | 42.5 | 1,312.0 | 1,474.4 | *157.3* | *292.0* |
| 1974 | 26.4 | 156.7 | 352.9 | 46.5 | 7.7 | 285.1 | 434.4 | 37.0 | 1,163.7 | 1,346.8 | *156.7* | *285.1* |
| 1975 | 24.5 | 154.6 | 341.7 | 45.3 | 8.6 | 287.0 | 414.8 | 29.1 | 1,126.5 | 1,305.5 | *154.6* | *287.0* |
| 1976 | 4.0 | 157.2 | 366.3 | 45.5 | 9.5 | 295.8 | 467.7 | 34.5 | 1,219.2 | 1,380.3 | *157.2* | *295.8* |
| 1977 | 4.0 | 161.5 | 355.4 | 49.6 | 11.0 | 299.2 | 449.6 | 34.9 | 1,199.7 | 1,365.2 | *161.5* | *299.2* |
| 1978 | 3.2 | 162.0 | 342.4 | 47.9 | 10.2 | 302.3 | 439.1 | 34.9 | 1,176.9 | 1,342.0 | *162.0* | *302.3* |
| 1979 | 4.6 | 157.9 | 253.1 | 49.4 | 8.2 | 291.7 | 361.7 | 33.4 | 997.6 | 1,160.1 | *157.9* | *291.7* |
| 1980 | 22.8 | 169.9 | 219.1 | 48.5 | 7.8 | 270.2 | 340.4 | 31.2 | 917.2 | 1,109.9 | *185.5* | *270.2* |
| 1981 | 26.6 | 165.4 | 186.6 | 45.2 | 9.4 | 273.6 | 310.7 | 32.5 | 858.0 | 1,050.0 | *187.5* | *273.6* |
| 1982 | 89.6 | 181.8 | 185.9 | 41.6 | 7.8 | 272.9 | 264.8 | 31.7 | 804.7 | 1,076.1 | *199.8* | *272.9* |
| 1983 | 96.9 | 185.6 | 183.8 | 41.2 | 7.8 | 276.1 | 220.1 | 25.9 | 754.9 | 1,037.4 | *196.6* | *276.1* |
| 1984 | 116.0 | 208.3 | 214.2 | 39.0 | 6.2 | 283.0 | 236.1 | 31.1 | 809.7 | 1,134.0 | *215.0* | *283.0* |
| 1985 | 110.2 | 221.0 | 209.8 | 39.5 | 6.2 | 288.1 | 226.8 | 28.6 | 799.1 | 1,130.3 | *224.8* | *288.1* |
| 1986 | 99.8 | 188.8 | 225.4 | 39.1 | 8.3 | 296.2 | 312.1 | 29.1 | 910.2 | 1,198.7 | *191.2* | *296.2* |
| 1987 | 117.6 | 232.0 | 245.5 | 44.4 | 9.6 | 303.1 | 239.3 | 31.2 | 873.2 | 1,222.8 | *233.4* | *303.1* |
| 1988 | 116.9 | 216.4 | 238.1 | 52.7 | 8.7 | 311.7 | 241.5 | 31.4 | 884.2 | 1,217.4 | *217.3* | *311.7* |
| 1989 | 121.9 | 260.3 | 254.9 | 56.6 | 9.5 | 306.2 | 239.1 | 28.8 | 895.0 | 1,277.2 | *261.0* | *306.2* |
| 1990 | 114.0 | 273.6 | 224.9 | 55.5 | 9.5 | 294.8 | 200.9 | 29.0 | 814.5 | 1,202.1 | *273.9* | *294.8* |
| 1991 | 117.9 | 283.7 | 217.8 | 52.8 | 6.9 | 286.2 | 191.8 | 32.4 | 788.1 | 1,189.7 | *283.8* | *286.2* |
| 1992 | 112.0 | 344.4 | 231.4 | 44.5 | 6.8 | 291.2 | 171.7 | 30.8 | 776.5 | 1,232.9 | *344.5* | *291.2* |
| 1993 | 99.6 | 350.6 | 224.0 | 43.7 | 7.6 | 294.5 | 152.6 | 30.2 | 752.6 | 1,202.8 | *350.6* | *294.5* |
| 1994 | 101.8 | 381.1 | 223.2 | 42.1 | 7.5 | 297.4 | 132.0 | 26.1 | 728.2 | 1,211.1 | *381.3* | *297.4* |
| 1995 | 105.4 | 391.2 | 217.1 | 37.6 | 7.8 | 306.5 | 87.2 | 27.5 | 683.7 | 1,180.3 | *391.6* | *306.5* |
| 1996 | 113.7 | 387.0 | 200.7 | 39.0 | 9.3 | 311.9 | 96.8 | 41.2 | 698.8 | 1,199.4 | *387.4* | *311.9* |
| 1997 | 122.9 | 411.4 | 201.2 | 41.4 | 7.6 | 317.5 | 140.7 | 41.7 | 750.2 | 1,284.5 | *411.6* | *317.5* |
| 1998 | 109.9 | 367.0 | 191.3 | 43.9 | 7.1 | 324.6 | 161.3 | 42.1 | 770.3 | 1,247.2 | *367.1* | *324.6* |
| 1999 | 113.6 | 361.2 | 190.9 | 45.8 | 8.3 | 330.6 | 121.0 | 44.0 | 740.5 | 1,215.3 | *361.4* | *330.6* |
| 2000 | 114.7 | 357.7 | 215.6 | 46.5 | 10.5 | 338.8 | 104.7 | 48.0 | 764.2 | 1,236.6 | *357.7* | *338.8* |
| 2001 | 109.0 | 364.1 | 224.8 | 39.7 | 10.5 | 340.5 | 102.8 | 30.8 | 749.2 | 1,222.3 | *364.1* | *340.5* |
| 2002 | 118.4 | 404.5 | 219.9 | 31.8 | 8.4 | 349.4 | 80.7 | 30.7 | 720.9 | 1,243.7 | *404.6* | *349.5* |
| 2003 | 109.4 | 415.0 | 225.2 | 36.3 | 9.5 | 348.7 | 86.5 | 27.9 | 734.0 | 1,258.3 | *415.3* | *348.7* |
| 2004 | 105.1 | 383.6 | 220.9 | 46.7 | 7.1 | 355.2 | 89.0 | 29.2 | 748.0 | 1,236.7 | *383.7* | *355.9* |
| 2005 | 119.3 | 386.3 | 219.4 | 51.2 | 10.4 | R 349.0 | 90.4 | 28.2 | R 748.6 | R 1,254.2 | *386.4* | *355.1* |
| 2006 | 112.2 | 378.0 | 190.1 | 47.6 | 13.3 | R 340.4 | 40.9 | R 23.3 | R 655.5 | R 1,145.7 | *378.1* | *356.9* |
| 2007 | 120.2 | 417.3 | 189.5 | 46.7 | 12.1 | R 347.5 | 44.1 | R 18.6 | R 658.4 | R 1,195.9 | *417.3* | *368.7* |
| 2008 | 106.9 | R 416.1 | R 180.6 | 62.7 | 11.1 | R 337.3 | 31.8 | R 12.3 | R 635.9 | R 1,158.9 | R *416.1* | *354.9* |
| 2009 | 92.1 | 408.6 | 175.0 | 35.2 | 10.0 | 328.2 | 16.7 | 10.7 | 575.7 | 1,076.3 | *408.6* | *347.7* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.4 | 10.6 | 42.8 | NA | NA | 42.8 | 0.0 | NA | NA | 53.4 | -3.0 | 0.0 | 1,054.3 |
| 1965 | 11.4 | 6.9 | 48.7 | NA | NA | 48.7 | 0.0 | NA | NA | 55.6 | -21.7 | 0.0 | R 1,246.6 |
| 1970 | 13.3 | 7.9 | 57.1 | NA | NA | 57.1 | 0.0 | NA | NA | 65.0 | R -24.9 | 0.0 | R 1,465.9 |
| 1971 | 15.6 | 7.4 | 53.9 | NA | NA | 53.9 | 0.0 | NA | NA | 61.2 | R -5.7 | 0.0 | R 1,495.4 |
| 1972 | 16.2 | 8.9 | 50.4 | NA | NA | 50.4 | 0.0 | NA | NA | 59.3 | R -6.2 | 0.0 | R 1,548.4 |
| 1973 | 55.8 | 5.8 | 50.7 | NA | NA | 50.7 | 0.0 | NA | NA | 56.5 | R -3.1 | 0.0 | R 1,583.6 |
| 1974 | 32.2 | 4.5 | 52.5 | NA | NA | 52.5 | 0.0 | NA | NA | 57.0 | R 41.3 | 0.0 | R 1,477.2 |
| 1975 | 41.6 | 4.3 | 49.0 | NA | NA | 49.0 | 0.0 | NA | NA | 53.3 | R 21.7 | 0.0 | R 1,422.2 |
| 1976 | 40.5 | 5.1 | 55.4 | NA | NA | 55.4 | 0.0 | NA | NA | 60.5 | R 21.4 | 0.0 | R 1,502.7 |
| 1977 | 39.6 | 4.4 | 58.9 | NA | NA | 58.9 | 0.0 | NA | NA | 63.4 | R 23.0 | 0.0 | R 1,491.1 |
| 1978 | 60.9 | 2.2 | 65.5 | NA | NA | 65.5 | 0.0 | NA | NA | 67.7 | R 6.1 | 0.0 | R 1,476.8 |
| 1979 | 66.1 | 4.5 | 69.8 | NA | NA | 69.8 | 0.0 | NA | NA | 74.3 | R 14.6 | 0.0 | R 1,315.1 |
| 1980 | 35.3 | 1.6 | 70.9 | NA | NA | 70.9 | 0.0 | NA | NA | 72.5 | R 36.2 | 0.0 | R 1,253.9 |
| 1981 | 47.8 | 4.5 | 68.7 | (s) | 0.0 | 68.7 | 0.0 | NA | NA | 73.2 | R 53.6 | 0.0 | R 1,224.5 |
| 1982 | 46.2 | 2.6 | 64.0 | (s) | 0.0 | 64.0 | 0.0 | NA | NA | 66.6 | R 52.3 | 0.0 | R 1,241.3 |
| 1983 | 66.1 | 2.9 | 75.7 | (s) | 0.0 | 75.7 | 0.0 | NA | 0.0 | 78.6 | R 55.2 | 0.0 | R 1,237.3 |
| 1984 | 11.2 | 3.1 | 61.9 | 0.0 | 0.0 | 61.9 | 0.0 | 0.0 | 0.0 | 65.0 | R 88.0 | 0.0 | R 1,298.2 |
| 1985 | 65.1 | 2.7 | 62.7 | 0.0 | 0.0 | 62.7 | 0.0 | 0.0 | 0.0 | 65.5 | R 43.8 | 14.7 | R 1,319.5 |
| 1986 | 25.6 | 4.1 | 65.5 | 0.0 | 0.0 | 65.5 | 0.0 | 0.0 | 0.0 | 69.6 | R 84.1 | 12.4 | R 1,390.4 |
| 1987 | 11.9 | 3.2 | 57.0 | 0.0 | 0.0 | 57.0 | 0.0 | 0.0 | 0.0 | 60.3 | R 100.5 | 16.5 | R 1,412.0 |
| 1988 | 11.8 | 2.2 | 59.6 | 0.0 | 0.0 | 59.6 | 0.0 | 0.0 | 0.0 | 61.8 | R 133.5 | 9.8 | R 1,434.5 |
| 1989 | 31.9 | 4.2 | 62.4 | 0.0 | 0.0 | 62.4 | (s) | 0.2 | 0.0 | 66.8 | R 83.8 | 7.0 | R 1,466.7 |
| 1990 | 53.6 | 13.0 | 52.1 | 0.0 | 0.0 | 52.1 | (s) | 0.2 | 0.0 | 65.3 | R 87.7 | 6.6 | R 1,415.3 |
| 1991 | 46.3 | 11.6 | 54.7 | 0.0 | 0.0 | 54.7 | (s) | 0.2 | 0.0 | 66.6 | R 76.4 | 7.8 | R 1,386.8 |
| 1992 | 49.7 | 10.5 | 57.7 | 0.0 | 0.0 | 57.7 | 0.1 | 0.2 | 0.0 | 68.4 | R 87.8 | 5.7 | R 1,444.4 |
| 1993 | 45.6 | 9.1 | 60.4 | (s) | 0.0 | 60.4 | 0.1 | 0.2 | 0.0 | 69.7 | R 123.1 | 6.3 | R 1,447.5 |
| 1994 | 40.3 | 9.7 | 63.5 | 0.0 | 0.0 | 63.5 | 0.1 | 0.2 | 0.0 | 73.5 | R 120.2 | 5.2 | R 1,450.4 |
| 1995 | 47.1 | 9.0 | 63.3 | 0.0 | 0.0 | 63.3 | 0.1 | 0.2 | 0.0 | 72.5 | R 126.9 | 6.1 | R 1,433.0 |
| 1996 | 55.9 | 12.3 | 65.8 | 0.0 | 0.0 | 65.8 | 0.1 | 0.2 | 0.0 | 78.4 | R 140.3 | 5.4 | R 1,479.5 |
| 1997 | 45.2 | 10.5 | 61.4 | 0.0 | 0.0 | 61.4 | 0.2 | 0.2 | 0.0 | 72.3 | R 83.3 | 6.4 | R 1,491.7 |
| 1998 | 59.8 | 10.5 | 55.5 | 0.0 | 0.0 | 55.5 | 0.2 | 0.2 | 0.0 | 66.4 | R 71.2 | 6.0 | R 1,450.6 |
| 1999 | 47.2 | 10.0 | 55.1 | 0.0 | 0.0 | 55.1 | 0.2 | 0.2 | 0.0 | 65.5 | R 138.9 | 6.6 | R 1,473.6 |
| 2000 | 57.5 | 10.9 | 58.5 | 0.0 | 0.0 | 58.5 | 0.2 | 0.2 | 0.0 | 69.8 | R 176.0 | 6.1 | R 1,545.9 |
| 2001 | 53.7 | 7.3 | 40.3 | 0.0 | 0.0 | 40.3 | 0.2 | 0.2 | 0.0 | 48.0 | R 197.0 | 3.9 | R 1,524.9 |
| 2002 | 60.2 | 8.9 | 37.4 | 0.1 | 0.0 | 37.5 | 0.3 | 0.2 | 0.0 | 46.8 | R 186.7 | 1.7 | R 1,539.1 |
| 2003 | 51.9 | 11.0 | 38.9 | 0.1 | 0.0 | 39.0 | 0.4 | 0.2 | 0.0 | 50.5 | R 166.1 | 0.7 | R 1,527.5 |
| 2004 | 61.9 | 10.0 | 40.5 | 0.7 | 0.0 | 41.2 | 0.4 | 0.2 | 0.0 | 51.8 | R 183.1 | 1.6 | R 1,535.2 |
| 2005 | 57.1 | 10.4 | R 29.7 | 6.1 | 0.0 | R 35.8 | 0.5 | 0.2 | 0.0 | R 46.9 | R 188.3 | 2.1 | R 1,548.7 |
| 2006 | 60.8 | 15.0 | R 29.9 | 16.5 | 0.0 | R 46.4 | 0.5 | 0.2 | 0.0 | R 62.2 | R 192.3 | 2.0 | R 1,463.0 |
| 2007 | 53.7 | 7.9 | R 29.6 | 21.2 | 0.0 | R 50.8 | 0.5 | 0.3 | 0.0 | R 59.5 | R 190.0 | 2.5 | R 1,501.6 |
| 2008 | 61.3 | 11.4 | R 30.3 | 17.7 | 0.0 | R 48.0 | 0.6 | R 0.3 | (s) | R 60.3 | R 204.1 | R 13.1 | R 1,497.8 |
| 2009 | 56.4 | 11.7 | 29.2 | 19.5 | 0.0 | 48.8 | 0.7 | 0.4 | 0.1 | 61.7 | 216.0 | 15.6 | 1,426.0 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 2,113 | 67 | 50,963 | 1,209 | 1,148 | 34,993 | 29,118 | 11,024 | 128,455 | 117 | – – | – – | – – | – – | 12,381 | – – | – – | – – |
| 1965 | 866 | 101 | 55,487 | 3,166 | 1,511 | 39,752 | 42,050 | 10,100 | 152,067 | 100 | – – | – – | – – | – – | 16,719 | – – | – – | – – |
| 1970 | 335 | 142 | 58,063 | 7,864 | 1,820 | 49,527 | 43,829 | 7,290 | 168,392 | 72 | – – | – – | – – | – – | 24,639 | – – | – – | – – |
| 1975 | 212 | 153 | 58,204 | 7,967 | 2,315 | 54,630 | 26,063 | 4,839 | 154,017 | 67 | – – | – – | – – | – – | 29,479 | – – | – – | – – |
| 1980 | 198 | 178 | 37,006 | 8,563 | 2,125 | 51,443 | 8,417 | 5,355 | 112,910 | 63 | – – | – – | – – | – – | 33,271 | – – | – – | – – |
| 1985 | 313 | 174 | 35,198 | 6,984 | 1,719 | 54,847 | 12,430 | 4,956 | 116,133 | 63 | – – | – – | – – | – – | 38,119 | – – | – – | – – |
| 1990 | 136 | 203 | 37,991 | 9,806 | 2,631 | 56,125 | 8,442 | 4,941 | 119,936 | 11 | – – | – – | – – | – – | 45,442 | – – | – – | – – |
| 1995 | 69 | 254 | 36,600 | 6,636 | 2,143 | 58,775 | 4,726 | 4,700 | 113,581 | 11 | – – | – – | – – | – – | 46,510 | – – | – – | – – |
| 2000 | 71 | 255 | 36,643 | 8,204 | 2,923 | 65,029 | 3,025 | 8,407 | 124,232 | 12 | – – | – – | – – | – – | 51,773 | – – | – – | – – |
| 2001 | 70 | 253 | 38,274 | 7,003 | 2,910 | 65,358 | 2,963 | 5,186 | 121,694 | 8 | – – | – – | – – | – – | 52,496 | – – | – – | – – |
| 2002 | 132 | 264 | 37,309 | 5,609 | 2,315 | 67,106 | 2,689 | 5,155 | 120,182 | 10 | – – | – – | – – | – – | 53,708 | – – | – – | – – |
| 2003 | 108 | 235 | 37,701 | 6,396 | 2,608 | 66,973 | 2,787 | 4,743 | 121,209 | 11 | – – | – – | – – | – – | 55,514 | – – | – – | – – |
| 2004 | 89 | 215 | 37,316 | 8,235 | 1,962 | 68,242 | 3,494 | 4,967 | 124,215 | 5 | – – | – – | – – | – – | 56,142 | – – | – – | – – |
| 2005 | 111 | 226 | 37,287 | 9,025 | 2,875 | 68,048 | 4,075 | 4,813 | 126,124 | (s) | – – | – – | – – | – – | 57,228 | – – | – – | – – |
| 2006 | 93 | 202 | 32,487 | 8,387 | 3,681 | 68,400 | 2,660 | 3,838 | 119,452 | 9 | – – | – – | – – | – – | 55,850 | – – | – – | – – |
| 2007 | 109 | 225 | 32,380 | 8,235 | 3,362 | 70,647 | 2,084 | 3,136 | 119,844 | 19 | – – | – – | – – | – – | 57,139 | – – | – – | – – |
| 2008 | 84 | 252 | 30,821 | 11,060 | 3,092 | 68,020 | 1,693 | 2,142 | 116,828 | 14 | – – | – – | – – | – – | 55,884 | – – | – – | – – |
| 2009 | 50 | 246 | 29,783 | 6,205 | 2,812 | 66,639 | 1,446 | 1,853 | 108,739 | 15 | – – | – – | – – | – – | 54,359 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 54.3 | 69.4 | 296.9 | 6.7 | 4.6 | 183.8 | 183.1 | 64.8 | 739.8 | 1.3 | 42.8 | NA | NA | NA | 42.2 | 949.9 | 104.5 | 1,054.3 |
| 1965 | 21.9 | 102.4 | 323.2 | 17.8 | 6.1 | 208.8 | 264.4 | 59.0 | 879.3 | 1.0 | 48.7 | NA | NA | NA | 57.0 | 1,110.4 | 136.2 | 1,246.6 |
| 1970 | 8.0 | 143.3 | 338.2 | 44.5 | 6.9 | 260.2 | 275.5 | 43.9 | 969.2 | 0.8 | 57.1 | NA | NA | NA | 84.1 | 1,262.5 | 203.4 | 1,465.9 |
| 1975 | 4.9 | 153.1 | 339.0 | 45.1 | 8.6 | 287.0 | 163.9 | 29.1 | 872.6 | 0.7 | 49.0 | NA | NA | NA | 100.6 | 1,180.9 | 241.3 | 1,422.2 |
| 1980 | 4.8 | 180.4 | 215.6 | 48.4 | 7.8 | 270.2 | 52.9 | 31.2 | 626.1 | 0.7 | 70.9 | NA | NA | NA | 113.5 | 981.1 | 272.7 | 1,253.9 |
| 1985 | 7.6 | 177.9 | 205.0 | 39.5 | 6.2 | 288.1 | 78.1 | 28.6 | 645.6 | 0.7 | 62.7 | 0.0 | NA | NA | 130.1 | 1,021.6 | 297.9 | 1,319.5 |
| 1990 | 3.4 | 210.1 | 221.3 | 55.5 | 9.5 | 294.8 | 53.1 | 29.0 | 663.2 | 0.1 | 27.7 | 0.0 | (s) | 0.2 | 155.0 | 1,059.5 | 355.8 | 1,415.3 |
| 1995 | 1.7 | 260.1 | 213.2 | 37.6 | 7.8 | 306.5 | 29.7 | 27.5 | 622.3 | 0.1 | 31.8 | 0.0 | 0.1 | 0.2 | 158.7 | 1,074.8 | 358.2 | 1,433.0 |
| 2000 | 1.9 | 266.6 | 213.4 | 46.5 | 10.5 | 338.8 | 19.0 | 48.0 | 676.3 | 0.1 | 24.4 | 0.0 | 0.2 | 0.2 | 176.6 | 1,146.4 | 399.5 | 1,545.9 |
| 2001 | 1.9 | 264.3 | 222.9 | 39.7 | 10.5 | 340.5 | 18.6 | 30.8 | 663.1 | 0.1 | 19.1 | 0.0 | 0.2 | 0.2 | 179.1 | 1,128.0 | 396.9 | 1,524.9 |
| 2002 | 3.4 | 273.6 | 217.3 | 31.8 | 8.4 | 349.5 | 16.9 | 30.7 | 654.6 | 0.1 | 17.8 | 0.0 | 0.3 | 0.2 | 183.3 | 1,133.0 | 406.1 | 1,539.1 |
| 2003 | 2.8 | 241.3 | 219.6 | 36.3 | 9.5 | 348.7 | 17.5 | 27.9 | 659.5 | 0.1 | 18.5 | 0.0 | 0.4 | 0.2 | 189.4 | 1,112.0 | 415.5 | 1,527.5 |
| 2004 | 2.3 | 221.2 | 217.4 | 46.7 | 7.1 | 355.9 | 22.0 | 29.2 | 678.2 | 0.1 | 19.9 | 0.0 | 0.4 | 0.2 | 191.6 | 1,113.8 | 421.3 | 1,535.2 |
| 2005 | 2.9 | 228.9 | 217.2 | 51.2 | 10.4 | 355.1 | 25.6 | 28.2 | 687.7 | (s) | 8.6 | 0.0 | 0.5 | 0.2 | 195.3 | 1,124.1 | 424.6 | 1,548.7 |
| 2006 | 2.4 | 203.7 | 189.2 | 47.6 | 13.3 | 356.9 | 16.7 | 23.3 | 646.9 | 0.1 | 8.9 | 0.0 | 0.5 | 0.2 | 190.6 | 1,053.3 | 409.7 | 1,463.0 |
| 2007 | 2.8 | 227.4 | 188.6 | 46.7 | 12.1 | 368.7 | 13.1 | 18.6 | 647.8 | 0.2 | 9.5 | 0.0 | 0.5 | 0.3 | 195.0 | 1,083.4 | 418.2 | 1,501.6 |
| 2008 | 2.2 | 255.8 | 179.5 | 62.7 | 11.1 | 354.9 | 10.6 | 12.3 | 631.3 | 0.1 | 8.6 | 0.0 | 0.6 | 0.3 | 190.7 | 1,089.6 | 408.1 | 1,497.8 |
| 2009 | 1.3 | 253.3 | 173.5 | 35.2 | 10.0 | 347.7 | 9.1 | 10.7 | 586.1 | 0.1 | 8.3 | 0.0 | 0.7 | 0.4 | 185.5 | 1,035.7 | 390.3 | 1,426.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 487 | 45 | 34,305 | 4,858 | 631 | 39,794 | 427 | – – | – – | 4,190 | – – | – – | – – |
| 1965 | 210 | 65 | 37,082 | 2,682 | 777 | 40,541 | 378 | – – | – – | 5,766 | – – | – – | – – |
| 1970 | 104 | 83 | 38,530 | 1,434 | 784 | 40,748 | 459 | – – | – – | 9,335 | – – | – – | – – |
| 1975 | 30 | 90 | 37,860 | 591 | 845 | 39,295 | 491 | – – | – – | 10,648 | – – | – – | – – |
| 1980 | 21 | 94 | 22,712 | 323 | 567 | 23,602 | 2,099 | – – | – – | 11,571 | – – | – – | – – |
| 1985 | 30 | 98 | 20,064 | 577 | 858 | 21,499 | 1,470 | – – | – – | 12,907 | – – | – – | – – |
| 1990 | 13 | 107 | 20,540 | 163 | 1,141 | 21,843 | 904 | – – | – – | 15,581 | – – | – – | – – |
| 1995 | 4 | 106 | 20,064 | 130 | 1,218 | 21,412 | 976 | – – | – – | 15,993 | – – | – – | – – |
| 1996 | 4 | 114 | 18,362 | 148 | 1,445 | 19,954 | 1,014 | – – | – – | 16,256 | – – | – – | – – |
| 1997 | 3 | 112 | 18,332 | 190 | 1,356 | 19,878 | 726 | – – | – – | 16,278 | – – | – – | – – |
| 1998 | 3 | 102 | 16,979 | 197 | 1,242 | 18,417 | 646 | – – | – – | 16,388 | – – | – – | – – |
| 1999 | 4 | 106 | 17,825 | 179 | 1,279 | 19,282 | 680 | – – | – – | 17,392 | – – | – – | – – |
| 2000 | 2 | 114 | 20,445 | 191 | 1,582 | 22,217 | 731 | – – | – – | 17,562 | – – | – – | – – |
| 2001 | 2 | 107 | 22,293 | 197 | 1,435 | 23,925 | 575 | – – | – – | 17,984 | – – | – – | – – |
| 2002 | 11 | 109 | 22,066 | 127 | 1,162 | 23,355 | 583 | – – | – – | 18,695 | – – | – – | – – |
| 2003 | 7 | 126 | 20,202 | 244 | 1,644 | 22,089 | 614 | – – | – – | 19,591 | – – | – – | – – |
| 2004 | 4 | 113 | 19,337 | 279 | 1,391 | 21,007 | 630 | – – | – – | 19,769 | – – | – – | – – |
| 2005 | 3 | 119 | 18,425 | 299 | 1,698 | 20,422 | R 179 | – – | – – | 20,539 | – – | – – | – – |
| 2006 | 1 | 104 | 15,645 | 238 | 1,735 | 17,619 | R 163 | – – | – – | 19,624 | – – | – – | – – |
| 2007 | 2 | 115 | 15,882 | 161 | 1,794 | 17,837 | R 180 | – – | – – | 20,138 | – – | – – | – – |
| 2008 | 0 | R 133 | R 15,380 | 66 | 1,920 | R 17,366 | R 188 | – – | – – | 19,638 | – – | – – | – – |
| 2009 | 0 | 133 | 14,641 | 99 | 1,795 | 16,534 | 180 | – – | – – | 19,475 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 12.1 | 46.6 | 199.8 | 27.5 | 2.5 | 229.9 | 8.5 | NA | NA | 14.3 | 311.5 | 35.4 | 346.8 |
| 1965 | 5.2 | 65.7 | 216.0 | 15.2 | 3.1 | 234.3 | 7.6 | NA | NA | 19.7 | 332.4 | 47.0 | 379.4 |
| 1970 | 2.5 | 83.6 | 224.4 | 8.1 | 3.0 | 235.5 | 9.2 | NA | NA | 31.8 | 362.7 | 77.1 | 439.7 |
| 1975 | 0.7 | 90.6 | 220.5 | 3.3 | 3.1 | 227.0 | 9.8 | NA | NA | 36.3 | 364.4 | R 87.1 | R 451.6 |
| 1980 | 0.5 | 96.0 | 132.3 | 1.8 | 2.1 | 136.2 | 42.0 | NA | NA | 39.5 | 306.0 | R 94.8 | R 400.9 |
| 1985 | 0.7 | 100.1 | 116.9 | 3.3 | 3.1 | 123.2 | 29.4 | NA | NA | 44.0 | 295.8 | R 100.9 | R 396.7 |
| 1990 | 0.3 | 110.6 | 119.6 | 0.9 | 4.1 | 124.7 | 18.1 | 0.0 | 0.2 | 53.2 | 306.9 | R 122.0 | R 428.9 |
| 1995 | 0.1 | 108.5 | 116.9 | 0.7 | 4.4 | 122.0 | 19.5 | 0.0 | 0.2 | 54.6 | 304.8 | R 123.2 | R 428.0 |
| 1996 | 0.1 | 117.3 | 107.0 | 0.8 | 5.2 | 113.0 | 20.3 | 0.0 | 0.2 | 55.5 | 306.3 | R 125.3 | R 431.6 |
| 1997 | 0.1 | 114.5 | 106.8 | 1.1 | 4.9 | 112.8 | 14.5 | 0.0 | 0.2 | 55.5 | 297.6 | R 125.0 | R 422.6 |
| 1998 | 0.1 | 103.6 | 98.9 | 1.1 | 4.5 | 104.5 | 12.9 | 0.0 | 0.2 | 55.9 | 277.2 | R 126.0 | R 403.2 |
| 1999 | 0.1 | 112.1 | 103.8 | 1.0 | 4.6 | 109.5 | 13.6 | (s) | 0.2 | 59.3 | 294.8 | R 134.9 | R 429.7 |
| 2000 | (s) | 119.1 | 119.1 | 1.1 | 5.7 | 125.9 | 14.6 | (s) | 0.2 | 59.9 | 319.8 | R 135.5 | R 455.3 |
| 2001 | (s) | 111.5 | 129.9 | 1.1 | 5.2 | 136.2 | 11.5 | (s) | 0.2 | 61.4 | 320.7 | R 135.9 | R 456.7 |
| 2002 | 0.3 | 113.1 | 128.5 | 0.7 | 4.2 | 133.5 | 11.7 | (s) | 0.2 | 63.8 | 322.4 | R 141.4 | R 463.8 |
| 2003 | 0.2 | 129.4 | 117.7 | 1.4 | 6.0 | 125.0 | 12.3 | (s) | 0.2 | 66.8 | 333.8 | R 146.6 | R 480.4 |
| 2004 | 0.1 | 116.0 | 112.6 | 1.6 | 5.0 | 119.3 | 12.6 | (s) | 0.2 | 67.5 | 315.5 | R 148.4 | R 463.9 |
| 2005 | 0.1 | 120.4 | 107.3 | 1.7 | 6.1 | 115.2 | R 3.6 | (s) | 0.2 | 70.1 | R 309.5 | R 152.4 | R 461.9 |
| 2006 | (s) | 104.9 | 91.1 | 1.4 | 6.3 | 98.7 | R 3.3 | (s) | 0.2 | 67.0 | R 274.1 | R 143.9 | R 418.1 |
| 2007 | 0.1 | 116.2 | 92.5 | 0.9 | 6.4 | 99.9 | R 3.6 | (s) | 0.3 | 68.7 | R 288.7 | R 147.4 | R 436.1 |
| 2008 | 0.0 | R 135.0 | R 89.6 | 0.4 | 6.9 | R 96.9 | R 3.8 | (s) | R 0.3 | 67.0 | R 303.0 | R 143.4 | R 446.4 |
| 2009 | 0.0 | 137.0 | 85.3 | 0.6 | 6.4 | 92.2 | 3.6 | (s) | 0.4 | 66.4 | 299.7 | 139.8 | 439.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 338 | 10 | 11,965 | 404 | 253 | 135 | 10,036 | 22,792 | NA | – – | – – | 3,011 | – – | – – | – – |
| 1965 | 159 | 16 | 12,933 | 223 | 311 | 92 | 14,503 | 28,062 | NA | – – | – – | 4,302 | – – | – – | – – |
| 1970 | 82 | 35 | 13,438 | 119 | 314 | 102 | 14,872 | 28,845 | NA | – – | – – | 7,782 | – – | – – | – – |
| 1975 | 71 | 38 | 13,204 | 49 | 338 | 109 | 9,122 | 22,823 | NA | – – | – – | 11,397 | – – | – – | – – |
| 1980 | 79 | 53 | 7,510 | 30 | 227 | 191 | 4,854 | 12,812 | NA | – – | – – | 13,047 | – – | – – | – – |
| 1985 | 107 | 41 | 6,369 | 108 | 344 | 188 | 3,157 | 10,165 | NA | – – | – – | 15,566 | – – | – – | – – |
| 1990 | 50 | 51 | 7,409 | 127 | 457 | 69 | 4,473 | 12,535 | 0 | – – | – – | 19,520 | – – | – – | – – |
| 1995 | 23 | 82 | 6,478 | 110 | 488 | 65 | 3,069 | 10,211 | 0 | – – | – – | 20,255 | – – | – – | – – |
| 1996 | 29 | 96 | 5,637 | 47 | 579 | 65 | 2,430 | 8,758 | 0 | – – | – – | 20,711 | – – | – – | – – |
| 1997 | 26 | 106 | 5,678 | 47 | 543 | 48 | 2,239 | 8,555 | 0 | – – | – – | 21,203 | – – | – – | – – |
| 1998 | 23 | 90 | 5,404 | 70 | 497 | 66 | 1,417 | 7,454 | 0 | – – | – – | 21,773 | – – | – – | – – |
| 1999 | 33 | 65 | 3,830 | 225 | 512 | 63 | 1,184 | 5,815 | 0 | – – | – – | 21,815 | – – | – – | – – |
| 2000 | 14 | 64 | 5,205 | 107 | 634 | 279 | 1,388 | 7,613 | 0 | – – | – – | 23,439 | – – | – – | – – |
| 2001 | 14 | 62 | 4,218 | 156 | 575 | 84 | 523 | 5,555 | 0 | – – | – – | 24,510 | – – | – – | – – |
| 2002 | 77 | 65 | 3,835 | 59 | 465 | 117 | 642 | 5,117 | 4 | – – | – – | 24,685 | – – | – – | – – |
| 2003 | 44 | 63 | 5,569 | 72 | 735 | 104 | 1,811 | 8,290 | 6 | – – | – – | 25,648 | – – | – – | – – |
| 2004 | 32 | 57 | 4,312 | 91 | 471 | 70 | 2,771 | 7,714 | 3 | – – | – – | 26,020 | – – | – – | – – |
| 2005 | 40 | 57 | 4,712 | 78 | 766 | 58 | 2,663 | 8,277 | (s) | – – | – – | 26,415 | – – | – – | – – |
| 2006 | 15 | 52 | 3,265 | 39 | 726 | 73 | 1,170 | 5,272 | 5 | – – | – – | 26,237 | – – | – – | – – |
| 2007 | 21 | 62 | 3,253 | 25 | 647 | 80 | 835 | 4,840 | 6 | – – | – – | 27,148 | – – | – – | – – |
| 2008 | 0 | R 72 | R 2,555 | 21 | 750 | 79 | 981 | R 4,387 | 6 | – – | – – | 26,582 | – – | – – | – – |
| 2009 | 0 | 72 | 3,283 | 17 | 647 | 81 | 729 | 4,757 | 6 | – – | – – | 17,775 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 8.4 | 10.6 | 69.7 | 2.3 | 1.0 | 0.7 | 63.1 | 136.8 | NA | 0.2 | NA | 10.3 | 166.3 | 25.4 | 191.7 |
| 1965 | 3.9 | 16.5 | 75.3 | 1.3 | 1.2 | 0.5 | 91.2 | 169.5 | NA | 0.1 | NA | 14.7 | 204.7 | R 35.0 | 239.8 |
| 1970 | 1.9 | 35.8 | 78.3 | 0.7 | 1.2 | 0.5 | 93.5 | 174.2 | NA | 0.2 | NA | 26.6 | 238.6 | R 64.2 | R 302.8 |
| 1975 | 1.6 | 38.0 | 76.9 | 0.3 | 1.3 | 0.6 | 57.4 | 136.4 | NA | 0.2 | NA | 38.9 | 215.0 | R 93.3 | R 308.3 |
| 1980 | 1.8 | 54.3 | 43.7 | 0.2 | 0.8 | 1.0 | 30.5 | 76.3 | NA | 1.0 | NA | 44.5 | 173.4 | R 106.9 | R 280.4 |
| 1985 | 2.5 | 42.4 | 37.1 | 0.6 | 1.2 | 1.0 | 19.8 | 59.8 | NA | 0.7 | NA | 53.1 | 157.8 | R 121.6 | R 279.4 |
| 1990 | 1.3 | 52.4 | 43.2 | 0.7 | 1.7 | 0.4 | 28.1 | 74.0 | 0.0 | 2.0 | (s) | 66.6 | 196.2 | R 152.8 | R 349.0 |
| 1995 | 0.6 | 84.4 | 37.7 | 0.6 | 1.8 | 0.3 | 19.3 | 59.8 | 0.0 | 2.7 | 0.1 | 69.1 | 216.5 | R 156.0 | R 372.6 |
| 1996 | 0.7 | 98.7 | 32.8 | 0.3 | 2.1 | 0.3 | 15.3 | 50.8 | 0.0 | 2.8 | 0.1 | 70.7 | 223.7 | R 159.7 | R 383.4 |
| 1997 | 0.6 | 107.9 | 33.1 | 0.3 | 2.0 | 0.3 | 14.1 | 49.6 | 0.0 | 2.4 | 0.2 | 72.3 | 233.0 | R 162.9 | R 395.9 |
| 1998 | 0.6 | 91.5 | 31.5 | 0.4 | 1.8 | 0.3 | 8.9 | 42.9 | 0.0 | 2.2 | 0.2 | 74.3 | 211.7 | R 167.4 | R 379.1 |
| 1999 | 0.9 | 69.1 | 22.3 | 1.3 | 1.9 | 0.3 | 7.4 | 33.2 | 0.0 | 2.8 | 0.2 | 74.4 | 180.6 | R 169.2 | R 349.8 |
| 2000 | 0.4 | 66.6 | 30.3 | 0.6 | 2.3 | 1.5 | 8.7 | 43.4 | 0.0 | 3.1 | 0.2 | 80.0 | 193.7 | R 180.9 | R 374.6 |
| 2001 | 0.4 | 64.5 | 24.6 | 0.9 | 2.1 | 0.4 | 3.3 | 31.3 | 0.0 | 2.7 | 0.2 | 83.6 | 182.6 | R 185.3 | R 367.9 |
| 2002 | 1.9 | 67.0 | 22.3 | 0.3 | 1.7 | 0.6 | 4.0 | 29.0 | (s) | 2.9 | 0.2 | 84.2 | 185.4 | R 186.6 | R 372.0 |
| 2003 | 1.1 | 64.4 | 32.4 | 0.4 | 2.7 | 0.5 | 11.4 | 47.4 | 0.1 | 2.9 | 0.3 | 87.5 | 203.7 | R 192.0 | R 395.6 |
| 2004 | 0.8 | 58.5 | 25.1 | 0.5 | 1.7 | 0.4 | 17.4 | 45.1 | (s) | 3.8 | 0.4 | 88.8 | 197.4 | R 195.3 | R 392.7 |
| 2005 | 1.0 | 57.5 | 27.4 | 0.4 | 2.8 | 0.3 | 16.7 | 47.7 | (s) | R 1.5 | 0.5 | 90.1 | R 198.3 | R 196.0 | R 394.3 |
| 2006 | 0.4 | 52.8 | 19.0 | 0.2 | 2.6 | 0.4 | 7.4 | 29.6 | 0.1 | R 1.5 | 0.5 | 89.5 | R 174.3 | R 192.4 | R 366.8 |
| 2007 | 0.5 | 62.0 | 18.9 | 0.1 | 2.3 | 0.4 | 5.3 | 27.1 | 0.1 | R 1.6 | 0.5 | 92.6 | R 184.4 | R 198.7 | R 383.1 |
| 2008 | 0.0 | R 73.5 | R 14.9 | 0.1 | 2.7 | 0.4 | 6.2 | R 24.3 | 0.1 | R 0.6 | 0.5 | 90.7 | R 189.7 | R 194.1 | R 383.8 |
| 2009 | 0.0 | 73.7 | 19.1 | 0.1 | 2.3 | 0.4 | 4.6 | 26.5 | 0.1 | 0.6 | 0.6 | 60.6 | 162.2 | 127.6 | 289.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 1,266 | 12 | 2,322 | 260 | 133 | 17,875 | 4,351 | 24,942 | 117 | – – | – – | – – | 5,075 | – – | – – | – – |
| 1965 | 496 | 20 | 2,841 | 401 | 206 | 25,076 | 5,084 | 33,607 | 100 | – – | – – | – – | 6,546 | – – | – – | – – |
| 1970 | 149 | 23 | 2,897 | 693 | 111 | 25,742 | 5,020 | 34,463 | 72 | – – | – – | – – | 7,418 | – – | – – | – – |
| 1975 | 110 | 24 | 2,654 | 1,099 | 81 | 15,891 | 3,538 | 23,264 | 67 | – – | – – | – – | 7,330 | – – | – – | – – |
| 1980 | 98 | 29 | 1,886 | 1,305 | 91 | 2,663 | 4,265 | 10,209 | 63 | – – | – – | – – | 8,486 | – – | – – | – – |
| 1985 | 176 | 33 | 1,165 | 448 | 367 | 8,399 | 3,715 | 14,094 | 63 | – – | – – | – – | 9,454 | – – | – – | – – |
| 1990 | 73 | 44 | 2,585 | 973 | 414 | 2,604 | 4,080 | 10,657 | 11 | – – | – – | – – | 10,157 | – – | – – | – – |
| 1995 | 42 | 64 | 1,278 | 387 | 373 | 1,458 | 3,923 | 7,418 | 11 | – – | – – | – – | 10,026 | – – | – – | – – |
| 1996 | 38 | 62 | 1,219 | 495 | 372 | 1,690 | 6,553 | 10,329 | 20 | – – | – – | – – | 10,085 | – – | – – | – – |
| 1997 | 37 | 65 | 1,130 | 163 | 392 | 1,723 | 6,622 | 10,029 | 17 | – – | – – | – – | 10,148 | – – | – – | – – |
| 1998 | 35 | 63 | 1,011 | 185 | 316 | 1,780 | 6,644 | 9,935 | 11 | – – | – – | – – | 10,212 | – – | – – | – – |
| 1999 | 33 | 78 | 1,217 | 348 | 297 | 900 | 6,843 | 9,605 | 12 | – – | – – | – – | 9,966 | – – | – – | – – |
| 2000 | 55 | 75 | 944 | 651 | 306 | 1,099 | 7,510 | 10,511 | 12 | – – | – – | – – | 10,533 | – – | – – | – – |
| 2001 | 54 | 81 | 1,283 | 859 | 913 | 2,153 | 4,310 | 9,517 | 8 | – – | – – | – – | 9,757 | – – | – – | – – |
| 2002 | 44 | 86 | 978 | 649 | 916 | 1,732 | 4,454 | 8,729 | 6 | – – | – – | – – | 10,087 | – – | – – | – – |
| 2003 | 57 | 44 | 1,903 | 193 | 937 | 969 | 3,943 | 7,945 | 5 | – – | – – | – – | 9,984 | – – | – – | – – |
| 2004 | 54 | 44 | 1,947 | 67 | 969 | 720 | 4,091 | 7,795 | 2 | – – | – – | – – | 9,947 | – – | – – | – – |
| 2005 | 68 | 48 | 1,895 | 371 | 909 | 767 | 3,911 | 7,853 | (s) | – – | – – | – – | 9,871 | – – | – – | – – |
| 2006 | 77 | 43 | 1,591 | 1,186 | 929 | 1,115 | R 3,114 | R 7,935 | 3 | – – | – – | – – | 9,602 | – – | – – | – – |
| 2007 | 85 | 46 | 1,360 | 892 | 791 | 968 | R 2,452 | R 6,463 | 14 | – – | – – | – – | 9,450 | – – | – – | – – |
| 2008 | 84 | R 45 | R 1,614 | R 367 | 727 | 399 | R 1,623 | R 4,730 | 8 | – – | – – | – – | 9,332 | – – | – – | – – |
| 2009 | 50 | 39 | 907 | 345 | 694 | 306 | 1,297 | 3,550 | 9 | – – | – – | – – | 16,754 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 33.2 | 12.0 | 13.5 | 1.0 | 0.7 | 112.4 | 27.4 | 155.0 | 1.3 | 34.1 | NA | NA | 17.3 | 252.8 | 42.8 | 295.6 |
| 1965 | 12.8 | 20.0 | 16.5 | 1.6 | 1.1 | 157.6 | 31.4 | 208.3 | 1.0 | 41.0 | NA | NA | 22.3 | 305.6 | 53.3 | 358.9 |
| 1970 | 3.6 | 22.8 | 16.9 | 2.6 | 0.6 | 161.8 | 31.0 | 213.0 | 0.8 | 47.8 | NA | NA | 25.3 | 313.3 | R 61.2 | 374.5 |
| 1975 | 2.6 | 24.1 | 15.5 | 4.1 | 0.4 | 99.9 | 21.7 | 141.6 | 0.7 | 39.0 | NA | NA | 25.0 | 233.0 | R 60.0 | R 292.9 |
| 1980 | 2.4 | 29.4 | 11.0 | 4.8 | 0.5 | 16.7 | 25.0 | 58.0 | 0.7 | 27.8 | NA | NA | 29.0 | 144.7 | R 69.6 | R 214.3 |
| 1985 | 4.4 | 33.9 | 6.8 | 1.6 | 1.9 | 52.8 | 21.5 | 84.7 | 0.7 | 32.6 | 0.0 | NA | 32.3 | 187.9 | R 73.9 | R 261.8 |
| 1990 | 1.8 | 45.9 | 15.1 | 3.5 | 2.2 | 16.4 | 24.0 | 61.1 | 0.1 | 7.6 | 0.0 | 0.0 | 34.7 | 151.1 | R 79.5 | R 230.7 |
| 1995 | 1.1 | 65.2 | 7.4 | 1.4 | 1.9 | 9.2 | 22.9 | 42.9 | 0.1 | 9.6 | 0.0 | 0.0 | 34.2 | 153.0 | R 77.2 | R 230.2 |
| 1996 | 0.9 | 63.4 | 7.1 | 1.8 | 1.9 | 10.6 | 37.0 | 58.4 | 0.2 | 9.8 | 0.0 | 0.0 | 34.4 | 167.1 | R 77.8 | R 244.9 |
| 1997 | 0.9 | 66.1 | 6.6 | 0.6 | 2.0 | 10.8 | 37.1 | 57.2 | 0.2 | 10.1 | 0.0 | 0.0 | 34.6 | 169.1 | R 77.9 | R 247.0 |
| 1998 | 0.9 | 64.0 | 5.9 | 0.7 | 1.6 | 11.2 | 37.2 | 56.6 | 0.1 | 6.8 | 0.0 | 0.0 | 34.8 | 163.2 | R 78.5 | R 241.7 |
| 1999 | 0.8 | 82.8 | 7.1 | 1.3 | 1.5 | 5.7 | 38.2 | 53.8 | 0.1 | 7.0 | 0.0 | 0.0 | 34.0 | 178.5 | R 77.3 | R 255.8 |
| 2000 | 1.5 | 78.2 | 5.5 | 2.3 | 1.6 | 6.9 | 42.8 | 59.1 | 0.1 | 6.7 | 0.0 | 0.0 | 35.9 | 181.6 | R 81.3 | R 262.8 |
| 2001 | 1.5 | 84.9 | 7.5 | 3.1 | 4.8 | 13.5 | 25.7 | 54.6 | 0.1 | 5.0 | 0.0 | 0.0 | 33.3 | 179.3 | R 73.8 | R 253.0 |
| 2002 | 1.2 | 89.0 | 5.7 | 2.3 | 4.8 | 10.9 | 26.6 | 50.3 | 0.1 | 3.2 | 0.0 | 0.0 | 34.4 | 178.1 | R 76.3 | R 254.4 |
| 2003 | 1.5 | 45.4 | 11.1 | 0.7 | 4.9 | 6.1 | 23.2 | 46.0 | 0.1 | 3.3 | 0.0 | 0.0 | 34.1 | 130.3 | R 74.7 | R 205.0 |
| 2004 | 1.5 | 44.8 | 11.3 | 0.2 | 5.1 | 4.5 | 24.1 | 45.3 | (s) | 3.5 | 0.0 | 0.0 | 33.9 | 129.0 | R 74.6 | R 203.6 |
| 2005 | 1.9 | 48.5 | 11.0 | 1.3 | 4.7 | 4.8 | 23.0 | 44.9 | (s) | 3.5 | 0.0 | 0.0 | 33.7 | 132.5 | R 73.2 | R 205.7 |
| 2006 | 2.0 | 43.7 | 9.3 | 4.3 | 4.8 | 7.0 | R 19.0 | R 44.4 | (s) | R 4.1 | 0.0 | 0.0 | 32.8 | R 127.1 | R 70.4 | R 197.5 |
| 2007 | 2.2 | 46.7 | 7.9 | 3.2 | 4.1 | 6.1 | R 14.6 | R 36.0 | 0.1 | R 4.3 | 0.0 | 0.0 | 32.2 | R 121.6 | R 69.2 | R 190.8 |
| 2008 | 2.2 | R 45.4 | R 9.4 | 1.3 | 3.8 | 2.5 | R 9.3 | R 26.3 | 0.1 | R 4.3 | 0.0 | 0.0 | 31.8 | R 110.1 | R 68.1 | R 178.2 |
| 2009 | 1.3 | 40.6 | 5.3 | 1.2 | 3.6 | 1.9 | 7.4 | 19.5 | 0.1 | 4.1 | 0.0 | 0.0 | 57.2 | 122.8 | 120.3 | 243.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 22 | (s) | 968 | 2,371 | 1,209 | 4 | 443 | 34,725 | 1,207 | 40,927 | 105 | – – | – – | – – |
| 1965 | 2 | (s) | 1,702 | 2,632 | 3,166 | 22 | 408 | 39,454 | 2,472 | 49,856 | 105 | – – | – – | – – |
| 1970 | (s) | 1 | 276 | 3,198 | 7,864 | 29 | 441 | 49,314 | 3,215 | 64,336 | 105 | – – | – – | – – |
| 1975 | (s) | 1 | 228 | 4,485 | 7,967 | 33 | 433 | 54,440 | 1,049 | 68,634 | 105 | – – | – – | – – |
| 1980 | 0 | 1 | 274 | 4,900 | 8,563 | 26 | 463 | 51,161 | 900 | 66,287 | 167 | – – | – – | – – |
| 1985 | 0 | 1 | 134 | 7,600 | 6,984 | 70 | 422 | 54,292 | 874 | 70,375 | 193 | – – | – – | – – |
| 1990 | 0 | 1 | 97 | 7,457 | 9,806 | 59 | 475 | 55,642 | 1,366 | 74,901 | 183 | – – | – – | – – |
| 1995 | 0 | 2 | 84 | 8,780 | 6,636 | 50 | 453 | 58,337 | 199 | 74,540 | 236 | – – | – – | – – |
| 1996 | 0 | 2 | 90 | 8,628 | 6,873 | 45 | 439 | 59,356 | 2,002 | 77,434 | 241 | – – | – – | – – |
| 1997 | 0 | 2 | 87 | 8,945 | 7,301 | 47 | 464 | 60,472 | 1,380 | 78,696 | 252 | – – | – – | – – |
| 1998 | 0 | 2 | 87 | 8,884 | 7,736 | 45 | 486 | 61,902 | 30 | 79,169 | 234 | – – | – – | – – |
| 1999 | 0 | 3 | 96 | 9,301 | 8,081 | 156 | 491 | 63,073 | 21 | 81,220 | 234 | – – | – – | – – |
| 2000 | 0 | 3 | 116 | 10,050 | 8,204 | 56 | 484 | 64,443 | 539 | 83,891 | 239 | – – | – – | – – |
| 2001 | 0 | 3 | 80 | 10,480 | 7,003 | 41 | 443 | 64,362 | 287 | 82,697 | 246 | – – | – – | – – |
| 2002 | 0 | 4 | 77 | 10,431 | 5,609 | 39 | 438 | 66,073 | 314 | 82,981 | 241 | – – | – – | – – |
| 2003 | 0 | 2 | 81 | 10,028 | 6,396 | 36 | 405 | 65,931 | 7 | 82,884 | 292 | – – | – – | – – |
| 2004 | 0 | 2 | 95 | 11,721 | 8,235 | 32 | 410 | 67,203 | 2 | 87,699 | 406 | – – | – – | – – |
| 2005 | 0 | 3 | 117 | 12,255 | 9,025 | 40 | 408 | 67,081 | 646 | 89,572 | 402 | – – | – – | – – |
| 2006 | 0 | 2 | 49 | 11,986 | 8,387 | 34 | 397 | 67,399 | 374 | 88,626 | 386 | – – | – – | – – |
| 2007 | 0 | 2 | 87 | 11,885 | 8,235 | 29 | 410 | 69,776 | 281 | 90,704 | 403 | – – | – – | – – |
| 2008 | 0 | 2 | 50 | R 11,273 | 11,060 | R 55 | 381 | 67,214 | 312 | R 90,345 | 332 | – – | – – | – – |
| 2009 | 0 | 2 | 97 | 10,952 | 6,205 | 25 | 343 | 65,864 | 412 | 83,898 | 356 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.6 | 0.3 | 4.9 | 13.8 | 6.7 | (s) | 2.7 | 182.4 | 7.6 | 218.1 | 0.4 | 219.3 | 0.9 | 220.2 |
| 1965 | (s) | 0.2 | 8.6 | 15.3 | 17.8 | 0.1 | 2.5 | 207.3 | 15.5 | 267.1 | 0.4 | 267.7 | 0.9 | 268.6 |
| 1970 | (s) | 1.1 | 1.4 | 18.6 | 44.5 | 0.1 | 2.7 | 259.0 | 20.2 | 346.5 | 0.4 | 348.0 | 0.9 | 348.9 |
| 1975 | (s) | 0.5 | 1.2 | 26.1 | 45.1 | 0.1 | 2.6 | 286.0 | 6.6 | 367.7 | 0.4 | 368.5 | 0.9 | 369.4 |
| 1980 | 0.0 | 0.7 | 1.4 | 28.5 | 48.4 | 0.1 | 2.8 | 268.7 | 5.7 | 355.7 | 0.6 | 356.9 | 1.4 | 358.3 |
| 1985 | 0.0 | 1.4 | 0.7 | 44.3 | 39.5 | 0.3 | 2.6 | 285.2 | 5.5 | 377.9 | 0.7 | 380.0 | 1.5 | 381.5 |
| 1990 | 0.0 | 1.3 | 0.5 | 43.4 | 55.5 | 0.2 | 2.9 | 292.3 | 8.6 | 403.4 | 0.6 | 405.3 | 1.4 | 406.7 |
| 1995 | 0.0 | 2.0 | 0.4 | 51.1 | 37.6 | 0.2 | 2.7 | 304.2 | 1.3 | 397.6 | 0.8 | 400.4 | 1.8 | 402.2 |
| 1996 | 0.0 | 2.3 | 0.5 | 50.3 | 39.0 | 0.2 | 2.7 | 309.6 | 12.6 | 414.7 | 0.8 | 417.8 | 1.9 | 419.6 |
| 1997 | 0.0 | 2.5 | 0.4 | 52.1 | 41.4 | 0.2 | 2.8 | 315.2 | 8.7 | 420.8 | 0.9 | 424.2 | R 1.9 | 426.2 |
| 1998 | 0.0 | 2.0 | 0.4 | 51.7 | 43.9 | 0.2 | 2.9 | 322.6 | 0.2 | 422.0 | 0.8 | 424.8 | 1.8 | 426.6 |
| 1999 | 0.0 | 2.9 | 0.5 | 54.2 | 45.8 | 0.6 | 3.0 | 328.7 | 0.1 | 432.8 | 0.8 | 436.6 | 1.8 | 438.4 |
| 2000 | 0.0 | 2.6 | 0.6 | 58.5 | 46.5 | 0.2 | 2.9 | 335.8 | 3.4 | 447.9 | 0.8 | 451.3 | R 1.8 | 453.2 |
| 2001 | 0.0 | 3.5 | 0.4 | 61.0 | 39.7 | 0.1 | 2.7 | 335.3 | 1.8 | 441.1 | 0.8 | 445.4 | 1.9 | 447.3 |
| 2002 | 0.0 | 4.5 | 0.4 | 60.8 | 31.8 | 0.1 | 2.7 | 344.1 | 2.0 | 441.8 | 0.8 | 447.2 | 1.8 | 449.0 |
| 2003 | 0.0 | 2.2 | 0.4 | 58.4 | 36.3 | 0.1 | 2.5 | 343.3 | (s) | 441.0 | 1.0 | 444.2 | 2.2 | 446.4 |
| 2004 | 0.0 | 2.0 | 0.5 | 68.3 | 46.7 | 0.1 | 2.5 | 350.5 | (s) | 468.5 | 1.4 | 471.9 | R 3.0 | R 474.9 |
| 2005 | 0.0 | 2.6 | 0.6 | 71.4 | 51.2 | 0.1 | 2.5 | 350.0 | 4.1 | 479.9 | 1.4 | 483.8 | 3.0 | R 486.8 |
| 2006 | 0.0 | 2.2 | 0.2 | 69.8 | 47.6 | 0.1 | 2.4 | 351.7 | 2.4 | 474.2 | 1.3 | 477.7 | 2.8 | 480.6 |
| 2007 | 0.0 | 2.5 | 0.4 | 69.2 | 46.7 | 0.1 | 2.5 | 364.2 | 1.8 | 484.9 | 1.4 | 488.7 | R 2.9 | 491.7 |
| 2008 | 0.0 | R 1.9 | 0.3 | R 65.7 | 62.7 | 0.2 | 2.3 | 350.7 | 2.0 | R 483.8 | 1.1 | R 486.9 | 2.4 | R 489.3 |
| 2009 | 0.0 | 2.0 | 0.5 | 63.8 | 35.2 | 0.1 | 2.1 | 343.7 | 2.6 | 447.9 | 1.2 | 451.1 | 2.6 | 453.7 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Massachusetts

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 2,446 | 11 | 9,990 | 277 | 0 | 10,267 | 34 | 865 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 4,066 | 13 | 12,157 | 337 | 0 | 12,494 | 966 | 564 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 575 | 6 | 42,301 | 1,176 | 0 | 43,477 | 1,209 | 682 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 804 | 1 | 39,912 | 503 | 0 | 40,415 | 3,781 | 350 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 676 | 5 | 45,726 | 616 | 0 | 46,342 | 3,232 | 96 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 3,863 | 45 | 23,645 | 822 | 0 | 24,467 | 6,133 | 200 | – – | 0 | 0 | 0 | 4,311 | – – |
| 1990 | 4,234 | 61 | 23,505 | 614 | 0 | 24,120 | 5,070 | 1,238 | – – | 0 | 0 | 0 | 1,921 | – – |
| 1995 | 4,080 | 128 | 9,143 | 678 | 0 | 9,820 | 4,486 | 858 | – – | 0 | 0 | 0 | 1,790 | – – |
| 1996 | 4,427 | 103 | 9,273 | 603 | 0 | 9,877 | 5,324 | 1,169 | – – | 0 | 0 | 0 | 1,591 | – – |
| 1997 | 4,826 | 117 | 17,043 | 461 | 0 | 17,504 | 4,310 | 1,014 | – – | 0 | 0 | 0 | 1,863 | – – |
| 1998 | 4,312 | 102 | 22,432 | 559 | 0 | 22,991 | 5,698 | 1,018 | – – | 0 | 0 | 0 | 1,759 | – – |
| 1999 | 4,439 | 93 | 17,142 | 593 | 0 | 17,735 | 4,518 | 963 | – – | 0 | 0 | 0 | 1,934 | – – |
| 2000 | 4,485 | 88 | 13,627 | 376 | 0 | 14,003 | 5,512 | 1,053 | – – | 0 | 0 | 0 | 1,779 | – – |
| 2001 | 4,359 | 96 | 13,384 | 325 | 0 | 13,709 | 5,144 | 694 | – – | 0 | 0 | 0 | 1,137 | – – |
| 2002 | 4,603 | 129 | 10,154 | 441 | 0 | 10,595 | 5,769 | 865 | – – | 0 | 0 | 0 | 497 | – – |
| 2003 | 4,390 | 169 | 10,975 | 952 | 0 | 11,927 | 4,978 | 1,064 | – – | 0 | 0 | 0 | 213 | – – |
| 2004 | 4,357 | 157 | 10,658 | 607 | 0 | 11,265 | 5,939 | 993 | – – | 0 | 0 | 0 | 480 | – – |
| 2005 | 5,025 | 152 | 10,304 | 381 | 0 | 10,685 | 5,475 | 1,041 | – – | 0 | 0 | 0 | 613 | – – |
| 2006 | 4,750 | 169 | 3,844 | 155 | 0 | 3,999 | 5,830 | 1,504 | – – | 0 | 0 | 0 | 580 | – – |
| 2007 | 5,120 | 183 | 4,928 | 144 | 0 | 5,072 | 5,120 | 778 | – – | 0 | 0 | 0 | 734 | – – |
| 2008 | 4,581 | 155 | 3,372 | 192 | 0 | 3,563 | 5,869 | 1,142 | – – | 0 | 0 | 4 | R 3,849 | – – |
| 2009 | 3,892 | 150 | 1,208 | 254 | 0 | 1,462 | 5,396 | 1,186 | – – | 0 | 0 | 6 | 4,573 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 64.5 | 11.2 | 62.8 | 1.6 | 0.0 | 64.4 | 0.4 | 9.3 | 0.0 | 0.0 | NA | NA | 0.0 | 149.8 |
| 1965 | 106.0 | 13.3 | 76.4 | 2.0 | 0.0 | 78.4 | 11.4 | 5.9 | 0.0 | 0.0 | NA | NA | 0.0 | 215.0 |
| 1970 | 13.4 | 5.7 | 265.9 | 6.8 | 0.0 | 272.8 | 13.3 | 7.2 | 0.0 | 0.0 | NA | NA | 0.0 | 312.3 |
| 1975 | 19.6 | 1.4 | 250.9 | 2.9 | 0.0 | 253.8 | 41.6 | 3.6 | 0.0 | 0.0 | NA | NA | 0.0 | 320.1 |
| 1980 | 18.1 | 5.1 | 287.5 | 3.6 | 0.0 | 291.1 | 35.3 | 1.0 | 0.0 | 0.0 | NA | NA | 0.0 | 350.1 |
| 1985 | 102.6 | 46.9 | 148.7 | 4.8 | 0.0 | 153.4 | 65.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 14.7 | 384.1 |
| 1990 | 110.6 | 63.8 | 147.8 | 3.6 | 0.0 | 151.4 | 53.6 | 12.9 | 24.4 | 0.0 | 0.0 | 0.0 | 6.6 | 423.1 |
| 1995 | 103.6 | 131.6 | 57.5 | 3.9 | 0.0 | 61.4 | 47.1 | 8.8 | 31.4 | 0.0 | 0.0 | 0.0 | 6.1 | 390.0 |
| 1996 | 111.9 | 105.7 | 58.3 | 3.5 | 0.0 | 61.8 | 55.9 | 12.1 | 33.0 | 0.0 | 0.0 | 0.0 | 5.4 | 385.7 |
| 1997 | 121.3 | 120.6 | 107.2 | 2.7 | 0.0 | 109.8 | 45.2 | 10.4 | 34.3 | 0.0 | 0.0 | 0.0 | 6.4 | 447.9 |
| 1998 | 108.3 | 106.0 | 141.0 | 3.3 | 0.0 | 144.3 | 59.8 | 10.4 | 33.6 | 0.0 | 0.0 | 0.0 | 6.0 | 468.4 |
| 1999 | 111.8 | 94.5 | 107.8 | 3.5 | 0.0 | 111.2 | 47.2 | 9.8 | 31.7 | 0.0 | 0.0 | 0.0 | 6.6 | 412.9 |
| 2000 | 112.7 | 91.2 | 85.7 | 2.2 | 0.0 | 87.9 | 57.5 | 10.7 | 34.1 | 0.0 | 0.0 | 0.0 | 6.1 | 400.2 |
| 2001 | 107.1 | 99.8 | 84.1 | 1.9 | 0.0 | 86.0 | 53.7 | 7.2 | 21.2 | 0.0 | 0.0 | 0.0 | 3.9 | 379.0 |
| 2002 | 115.0 | 131.0 | 63.8 | 2.6 | 0.0 | 66.4 | 60.2 | 8.8 | 19.5 | 0.0 | 0.0 | 0.0 | 1.7 | 402.6 |
| 2003 | 106.6 | 174.0 | 69.0 | 5.5 | 0.0 | 74.5 | 51.9 | 10.9 | 20.4 | 0.0 | 0.0 | 0.0 | 0.7 | 438.9 |
| 2004 | 102.7 | 162.5 | 67.0 | 3.5 | 0.0 | 70.5 | 61.9 | 10.0 | 20.6 | 0.0 | 0.0 | 0.0 | 1.6 | 429.8 |
| 2005 | 116.4 | 157.4 | 64.8 | 2.2 | 0.0 | 67.0 | 57.1 | 10.4 | 21.1 | 0.0 | 0.0 | 0.0 | 2.1 | 431.6 |
| 2006 | 109.7 | 174.4 | 24.2 | 0.9 | 0.0 | 25.1 | 60.8 | 14.9 | 21.0 | 0.0 | 0.0 | 0.0 | 2.0 | 407.9 |
| 2007 | 117.4 | 189.9 | 31.0 | 0.8 | 0.0 | 31.8 | 53.7 | 7.7 | 20.1 | 0.0 | 0.0 | 0.0 | 2.5 | 423.1 |
| 2008 | 104.7 | 160.3 | 21.2 | 1.1 | 0.0 | 22.3 | 61.3 | 11.3 | 21.7 | 0.0 | 0.0 | (s) | R 13.1 | R 394.7 |
| 2009 | 90.7 | 155.3 | 7.6 | 1.5 | 0.0 | 9.1 | 56.4 | 11.6 | 20.9 | 0.0 | 0.0 | 0.1 | 15.6 | 359.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 25,930 | 370 | 30,235 | 3,369 | 2,827 | 65,782 | 11,840 | 14,867 | 128,920 | 0 | 2,030 | NA |
| 1965 | 33,132 | 556 | 30,287 | 4,377 | 3,716 | 78,044 | 8,594 | 21,864 | 146,882 | 181 | 1,813 | NA |
| 1970 | 34,065 | 809 | 38,141 | 7,365 | 6,202 | 96,831 | 10,056 | 20,655 | 179,250 | 375 | 1,704 | NA |
| 1971 | 34,556 | 851 | 41,724 | 7,195 | 6,755 | 99,540 | 11,173 | 18,672 | 185,059 | 388 | 1,776 | NA |
| 1972 | 34,666 | 865 | 47,365 | 6,905 | 7,993 | 105,198 | 13,078 | 20,038 | 200,576 | 2,125 | 1,793 | NA |
| 1973 | 32,632 | 920 | 46,932 | 6,959 | 8,092 | 110,100 | 15,822 | 21,460 | 209,365 | 2,980 | 1,054 | NA |
| 1974 | 29,804 | 936 | 43,673 | 6,460 | 7,845 | 107,057 | 16,692 | 20,395 | 202,121 | 416 | 1,182 | NA |
| 1975 | 31,198 | 884 | 42,170 | 5,776 | 7,475 | 108,255 | 18,291 | 18,577 | 200,545 | 7,176 | 1,110 | NA |
| 1976 | 29,763 | 888 | 44,130 | 5,735 | 8,748 | 113,506 | 21,102 | 20,778 | 213,997 | 9,901 | 1,050 | NA |
| 1977 | 28,926 | 741 | 44,829 | 6,290 | 8,793 | 114,812 | 22,126 | 23,285 | 220,134 | 10,231 | 931 | NA |
| 1978 | 28,519 | 790 | 45,149 | 6,499 | 9,051 | 117,526 | 25,452 | 25,094 | 228,771 | 13,104 | 1,085 | NA |
| 1979 | 31,570 | 876 | 31,268 | 6,639 | 7,515 | 108,261 | 19,046 | 27,140 | 199,868 | 15,139 | 1,306 | NA |
| 1980 | 31,110 | 865 | 27,643 | 6,646 | 6,736 | 97,025 | 13,289 | 26,014 | 177,353 | 15,891 | 1,200 | NA |
| 1981 | 31,610 | 801 | 26,630 | 6,131 | 5,572 | 92,783 | 7,825 | 17,905 | 156,846 | 17,066 | 1,240 | 184 |
| 1982 | 29,280 | 748 | 22,943 | 5,706 | 7,107 | 88,179 | 4,891 | 14,555 | 143,381 | 15,003 | 1,211 | 491 |
| 1983 | 29,647 | 696 | 22,176 | 5,892 | 7,150 | 88,646 | 4,464 | 14,543 | 142,872 | 16,383 | 1,229 | 1,316 |
| 1984 | 31,412 | 718 | 24,913 | 5,983 | 7,523 | 92,952 | 3,116 | 15,739 | 150,227 | 14,078 | 1,071 | 1,295 |
| 1985 | 32,793 | 709 | 26,024 | 6,570 | 14,225 | 93,447 | 3,109 | 14,727 | 158,101 | 13,452 | 997 | 1,032 |
| 1986 | 33,999 | 671 | 26,989 | 7,129 | 15,690 | 96,015 | 3,761 | 16,106 | 165,690 | 12,257 | 721 | 830 |
| 1987 | 35,865 | 657 | 26,614 | 8,371 | 17,656 | 99,154 | 3,316 | 17,013 | 172,124 | 14,389 | 481 | 1,176 |
| 1988 | 35,332 | 749 | 28,392 | 8,585 | 17,302 | 102,367 | 4,793 | 16,361 | 177,801 | 17,808 | 600 | 1,214 |
| 1989 | 34,885 | 777 | 26,202 | 9,235 | 19,053 | 101,143 | 4,497 | 17,974 | 178,105 | 21,312 | 749 | 1,164 |
| 1990 | 34,817 | 879 | 24,357 | 10,057 | 14,901 | 99,913 | 2,728 | 18,745 | 170,701 | 21,611 | 1,628 | 1,205 |
| 1991 | 34,086 | 888 | 24,820 | 10,234 | 16,017 | 101,375 | 1,745 | 20,253 | 174,444 | 27,021 | 1,752 | 1,582 |
| 1992 | 31,781 | 960 | 24,830 | 10,125 | 16,666 | 101,370 | 1,696 | 21,112 | 175,800 | 18,849 | 1,782 | 1,367 |
| 1993 | 32,445 | 919 | 28,123 | 10,305 | 13,077 | 105,003 | 2,081 | 22,193 | 180,782 | 28,525 | 1,762 | 1,609 |
| 1994 | 35,902 | 912 | 27,536 | 10,281 | 14,287 | 105,744 | 2,172 | 21,994 | 182,014 | 14,144 | 1,660 | 1,859 |
| 1995 | 36,037 | 976 | 27,444 | 8,818 | 14,497 | 110,546 | 1,602 | 22,883 | 185,790 | 24,448 | 1,597 | 1,219 |
| 1996 | 36,958 | 1,027 | 28,754 | 9,045 | 18,306 | 110,520 | 1,777 | 24,118 | 192,519 | 26,829 | 1,784 | 514 |
| 1997 | 36,116 | 994 | 29,692 | 9,487 | 14,524 | 112,389 | 1,553 | 29,319 | 196,965 | 21,914 | 1,712 | 654 |
| 1998 | 38,255 | 876 | 29,895 | 9,033 | 13,108 | 114,913 | 2,113 | 28,334 | 197,396 | 12,494 | 1,397 | 845 |
| 1999 | 38,510 | 951 | 31,573 | 9,116 | 15,339 | 121,027 | 2,491 | 28,429 | 207,974 | 14,591 | 1,458 | 956 |
| 2000 | 37,294 | 963 | 30,824 | 7,214 | 16,308 | 118,160 | 2,358 | 26,667 | 201,530 | 18,882 | 1,428 | 2,267 |
| 2001 | 37,730 | 906 | 29,515 | 6,219 | 18,876 | 119,472 | 1,590 | 18,346 | 194,018 | 26,711 | 1,562 | 1,394 |
| 2002 | 36,413 | 966 | 28,994 | 6,016 | 21,039 | 121,745 | 1,992 | 18,324 | 198,111 | 31,087 | 1,669 | 2,953 |
| 2003 | 36,973 | 925 | 29,463 | 2,695 | 20,578 | 119,019 | 2,153 | 19,469 | 193,377 | 27,954 | 1,386 | 3,706 |
| 2004 | 38,503 | 917 | 31,139 | 3,733 | 20,826 | 118,967 | 2,098 | 20,621 | 197,385 | 30,562 | 1,540 | 3,838 |
| 2005 | 39,442 | 914 | 30,315 | 3,431 | 23,157 | 119,584 | 2,209 | 19,658 | 198,354 | 32,872 | 1,462 | 5,091 |
| 2006 | 38,067 | 803 | 29,929 | 4,124 | 15,036 | 118,106 | 1,201 | R 14,894 | R 183,291 | 29,066 | 1,520 | 5,358 |
| 2007 | 39,669 | 798 | 29,371 | 5,270 | 16,217 | 116,059 | 1,783 | R 15,215 | R 183,915 | 31,517 | 1,270 | 6,573 |
| 2008 | 39,870 | R 780 | R 27,071 | 4,641 | 12,506 | 111,410 | 1,653 | R 12,697 | R 169,977 | 31,484 | 1,364 | 9,010 |
| 2009 | 37,425 | 731 | 25,831 | 4,270 | 11,829 | 110,010 | 391 | 11,251 | 163,582 | 21,851 | 1,372 | 10,205 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Michigan
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 653.1 | 383.0 | 176.1 | 18.2 | 11.3 | 345.6 | 74.4 | 88.2 | 713.9 | 1,750.0 | *383.0* | *345.6* |
| 1965 | 830.2 | 563.6 | 176.4 | 24.0 | 14.9 | 410.0 | 54.0 | 125.4 | 804.7 | 2,198.4 | *563.6* | *410.0* |
| 1970 | 828.9 | 821.3 | 222.2 | 41.0 | 23.4 | 508.7 | 63.2 | 120.7 | 979.1 | 2,629.3 | *821.3* | *508.7* |
| 1971 | 837.6 | 863.3 | 243.0 | 40.0 | 25.5 | 522.9 | 70.2 | 109.9 | 1,011.6 | 2,712.5 | *863.3* | *522.9* |
| 1972 | 843.7 | 877.7 | 275.9 | 38.4 | 30.1 | 552.6 | 82.2 | 118.4 | 1,097.5 | 2,818.9 | *877.7* | *552.6* |
| 1973 | 791.3 | 929.6 | 273.4 | 38.8 | 30.3 | 578.4 | 99.5 | 127.4 | 1,147.7 | 2,868.5 | *929.6* | *578.4* |
| 1974 | 710.0 | 942.6 | 254.4 | 35.9 | 29.3 | 562.4 | 104.9 | 120.9 | 1,107.8 | 2,760.4 | *942.6* | *562.4* |
| 1975 | 751.0 | 894.8 | 245.6 | 32.1 | 27.8 | 568.7 | 115.0 | 109.7 | 1,098.9 | 2,744.6 | *894.8* | *568.7* |
| 1976 | 717.7 | 895.1 | 257.1 | 31.9 | 32.5 | 596.2 | 132.7 | 121.5 | 1,171.8 | 2,784.6 | *895.1* | *596.2* |
| 1977 | 693.0 | 745.7 | 261.1 | 35.0 | 32.3 | 603.1 | 139.1 | 136.6 | 1,207.2 | 2,646.0 | *745.7* | *603.1* |
| 1978 | 671.3 | 793.9 | 263.0 | 36.3 | 33.2 | 617.4 | 160.0 | 147.1 | 1,257.0 | 2,722.2 | *793.9* | *617.4* |
| 1979 | 758.9 | 880.4 | 182.1 | 37.1 | 27.7 | 568.7 | 119.7 | 157.4 | 1,092.7 | 2,732.0 | *880.4* | *568.7* |
| 1980 | 759.0 | 874.7 | 161.0 | 37.1 | 24.7 | 509.7 | 83.6 | 149.2 | 965.4 | 2,599.0 | *874.7* | *509.7* |
| 1981 | 757.5 | 811.4 | 155.1 | 34.3 | 20.3 | 487.4 | 49.2 | 104.7 | 850.9 | 2,419.8 | *814.5* | *487.4* |
| 1982 | 711.4 | 762.1 | 133.6 | 31.8 | 25.7 | 463.2 | 30.7 | 85.0 | 770.1 | 2,243.6 | *764.6* | *463.2* |
| 1983 | 706.6 | 710.1 | 129.2 | 32.9 | 25.8 | 465.7 | 28.1 | 85.7 | 767.3 | 2,184.0 | *713.2* | *465.7* |
| 1984 | 747.6 | 727.5 | 145.1 | 33.4 | 27.1 | 488.3 | 19.6 | 91.4 | 804.9 | 2,280.0 | *730.3* | *488.3* |
| 1985 | 781.9 | 717.0 | 151.6 | 36.7 | 51.3 | 490.9 | 19.5 | 86.0 | 836.0 | 2,334.9 | *719.9* | *490.9* |
| 1986 | 811.9 | 686.6 | 157.2 | 39.9 | 57.1 | 504.4 | 23.6 | 94.4 | 876.7 | 2,375.2 | *689.4* | *504.4* |
| 1987 | 840.2 | 668.7 | 155.0 | 46.9 | 64.6 | 520.9 | 20.8 | 99.4 | 907.7 | 2,416.6 | *671.2* | *520.9* |
| 1988 | 830.9 | 763.3 | 165.4 | 48.1 | 63.2 | 537.7 | 30.1 | 95.4 | 940.0 | 2,534.1 | *765.7* | *537.7* |
| 1989 | 790.2 | 797.3 | 152.6 | 51.8 | 70.2 | 531.3 | 28.3 | 105.6 | 939.8 | 2,527.4 | *799.8* | *531.3* |
| 1990 | 788.0 | 879.3 | 141.9 | 56.6 | 54.0 | 524.8 | 17.2 | 110.1 | 904.5 | 2,571.9 | *898.8* | *524.8* |
| 1991 | 764.1 | 890.0 | 144.6 | 57.5 | 57.9 | 532.5 | 11.0 | 117.6 | 921.0 | 2,575.1 | *905.3* | *532.5* |
| 1992 | 707.5 | 964.2 | 144.6 | 57.0 | 60.4 | 532.5 | 10.7 | 122.0 | 927.2 | 2,598.8 | *979.2* | *532.5* |
| 1993 | 715.5 | 924.9 | 163.8 | 58.1 | 47.2 | R 546.0 | 13.1 | 129.1 | R 957.3 | R 2,597.6 | *938.0* | *551.6* |
| 1994 | 801.0 | 917.0 | 160.4 | 58.2 | 51.9 | R 546.6 | 13.7 | 127.1 | R 957.9 | R 2,675.9 | *931.0* | *553.0* |
| 1995 | 786.7 | 971.0 | 159.9 | 50.0 | 52.5 | R 572.3 | 10.1 | 133.6 | R 978.4 | R 2,736.0 | *992.7* | *576.5* |
| 1996 | 796.3 | 1,017.1 | 167.5 | 51.3 | 66.1 | R 574.7 | 11.2 | 138.4 | 1,009.1 | 2,822.5 | *1,039.2* | *576.5* |
| 1997 | 781.1 | 987.6 | 173.0 | 53.8 | 52.5 | 583.6 | 9.8 | 172.1 | 1,044.7 | 2,813.4 | *1,010.2* | *585.9* |
| 1998 | 826.9 | 871.6 | 174.1 | 51.2 | 47.4 | R 596.0 | 13.3 | 165.3 | R 1,047.3 | R 2,745.8 | *894.0* | *598.9* |
| 1999 | 832.6 | 947.0 | 183.9 | 51.7 | 55.5 | R 627.4 | 15.7 | 165.1 | R 1,099.2 | R 2,878.8 | *968.3* | *630.7* |
| 2000 | 799.8 | 971.7 | 179.5 | 40.9 | 58.8 | R 607.7 | 14.8 | 154.3 | R 1,056.2 | R 2,827.6 | *984.3* | *615.6* |
| 2001 | 789.7 | 924.5 | 171.9 | 35.3 | 68.2 | R 617.6 | 10.0 | 108.9 | R 1,011.9 | R 2,726.1 | *928.7* | *622.4* |
| 2002 | 739.9 | 984.7 | 168.9 | 34.1 | 76.0 | R 623.8 | 12.5 | 108.4 | R 1,023.7 | R 2,748.3 | *984.7* | *634.0* |
| 2003 | 747.9 | 950.7 | 171.6 | 15.3 | 74.7 | R 606.9 | 13.5 | 115.4 | R 997.3 | R 2,696.0 | *950.7* | *619.7* |
| 2004 | 773.8 | 938.6 | 181.4 | 21.2 | 75.3 | R 607.1 | 13.2 | 122.5 | R 1,020.6 | R 2,733.1 | *938.6* | *620.4* |
| 2005 | 799.5 | 927.5 | 176.6 | 19.5 | 83.8 | R 606.3 | 13.9 | 116.9 | R 1,017.0 | R 2,744.0 | *927.5* | *624.0* |
| 2006 | 773.6 | 817.0 | 174.3 | 23.4 | 54.2 | R 597.7 | 7.6 | R 90.3 | R 947.4 | R 2,538.0 | *817.0* | *616.3* |
| 2007 | 801.2 | 816.5 | 171.1 | 29.9 | 58.2 | R 582.9 | 11.2 | R 91.8 | R 945.1 | R 2,562.8 | *816.5* | *605.7* |
| 2008 | 800.0 | R 797.5 | R 157.7 | 26.3 | 45.0 | R 550.1 | 10.4 | R 76.2 | R 865.6 | R 2,463.1 | R *797.5* | *581.3* |
| 2009 | 735.9 | 746.8 | 150.5 | 24.2 | 42.1 | 538.7 | 2.5 | 67.7 | 825.6 | 2,308.3 | *746.8* | *574.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Michigan (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 21.8 | 37.3 | NA | NA | 37.3 | 0.0 | NA | NA | 59.1 | 38.8 | 4.3 | 1,852.2 |
| 1965 | 2.1 | 19.0 | 36.9 | NA | NA | 36.9 | 0.0 | NA | NA | 55.9 | R 36.3 | -1.4 | R 2,291.3 |
| 1970 | 4.1 | 17.9 | 36.4 | NA | NA | 36.4 | 0.0 | NA | NA | 54.3 | R 39.4 | -1.4 | R 2,725.8 |
| 1971 | 4.2 | 18.6 | 35.3 | NA | NA | 35.3 | 0.0 | NA | NA | 54.0 | R 45.3 | 1.8 | R 2,817.8 |
| 1972 | 22.9 | 18.6 | 37.6 | NA | NA | 37.6 | 0.0 | NA | NA | 56.2 | R 86.4 | 8.5 | R 2,993.0 |
| 1973 | 32.5 | 10.9 | 36.3 | NA | NA | 36.3 | 0.0 | NA | NA | 47.2 | R 124.9 | 12.2 | R 3,085.3 |
| 1974 | 4.6 | 12.3 | 38.2 | NA | NA | 38.2 | 0.0 | NA | NA | 50.6 | R 114.1 | 12.4 | R 2,942.1 |
| 1975 | 79.0 | 11.6 | 35.9 | NA | NA | 35.9 | 0.0 | NA | NA | 47.5 | R 15.8 | 1.1 | R 2,888.0 |
| 1976 | 109.4 | 10.9 | 41.6 | NA | NA | 41.6 | 0.0 | NA | NA | 52.5 | R 56.3 | 9.5 | R 3,012.2 |
| 1977 | 110.2 | 9.7 | 45.0 | NA | NA | 45.0 | 0.0 | NA | NA | 54.7 | R 77.7 | 20.9 | R 2,909.4 |
| 1978 | 143.4 | 11.2 | 55.0 | NA | NA | 55.0 | 0.0 | NA | NA | 66.3 | R 29.4 | 23.0 | R 2,984.2 |
| 1979 | 164.7 | 13.5 | 60.4 | NA | NA | 60.4 | 0.0 | NA | NA | 73.9 | R 7.2 | (s) | R 2,977.8 |
| 1980 | 173.3 | 12.5 | 90.6 | NA | NA | 90.6 | 0.0 | NA | NA | 103.0 | R -11.7 | 19.4 | R 2,883.1 |
| 1981 | 188.2 | 13.0 | 95.3 | 0.6 | 0.0 | 95.9 | 0.0 | NA | NA | 108.9 | R -25.9 | 15.2 | R 2,706.2 |
| 1982 | 166.1 | 12.7 | 94.8 | 1.7 | 0.0 | 96.5 | 0.0 | NA | NA | R 109.1 | R 23.3 | 7.3 | R 2,549.4 |
| 1983 | 178.7 | 12.9 | 104.8 | 4.6 | 0.0 | R 109.4 | 0.0 | NA | 0.0 | R 122.3 | R 52.1 | 4.3 | R 2,541.5 |
| 1984 | 152.7 | 11.2 | 99.1 | 4.5 | 0.0 | R 103.6 | 0.0 | 0.0 | 0.0 | R 114.8 | R 70.6 | 1.9 | R 2,619.9 |
| 1985 | 142.9 | 10.4 | 100.2 | 3.6 | 0.0 | R 103.8 | 0.0 | 0.0 | 0.0 | R 114.2 | R 64.7 | 1.3 | R 2,658.1 |
| 1986 | 129.7 | 7.5 | 105.6 | 2.9 | 0.0 | R 108.5 | 0.0 | 0.0 | 0.0 | R 116.0 | R 57.1 | 2.3 | R 2,680.4 |
| 1987 | 150.3 | 5.0 | 107.1 | 4.1 | 0.0 | R 111.2 | 0.0 | 0.0 | 0.0 | R 116.2 | R -18.1 | 2.6 | R 2,667.6 |
| 1988 | 188.8 | 6.2 | 112.2 | 4.2 | 0.0 | R 116.4 | 0.0 | 0.0 | 0.0 | R 122.6 | R -5.9 | 0.6 | R 2,840.1 |
| 1989 | 225.5 | 7.8 | 103.3 | 4.0 | 0.0 | R 107.3 | 0.5 | 0.2 | 0.0 | R 115.9 | R 23.4 | -18.5 | R 2,873.6 |
| 1990 | 228.7 | 16.9 | 80.2 | 4.2 | 0.0 | R 84.4 | 0.6 | 0.2 | 0.0 | R 102.2 | R -31.6 | -37.3 | R 2,834.0 |
| 1991 | 283.3 | 18.3 | 86.2 | 5.5 | 0.0 | R 91.7 | 0.6 | 0.2 | 0.0 | R 110.9 | R -108.6 | -1.5 | R 2,859.1 |
| 1992 | 197.4 | 18.4 | 89.1 | 4.7 | 0.0 | R 93.9 | 0.7 | 0.2 | 0.0 | R 113.2 | R -7.8 | -0.8 | R 2,900.9 |
| 1993 | 299.6 | 18.2 | 81.4 | 5.6 | 0.0 | R 86.9 | 0.7 | 0.2 | 0.0 | R 106.1 | R -93.5 | 8.2 | R 2,918.0 |
| 1994 | 147.8 | 17.1 | 84.3 | 6.5 | 0.0 | R 90.8 | 0.8 | 0.3 | 0.0 | R 108.9 | R 14.1 | 23.6 | R 2,970.3 |
| 1995 | 256.9 | 16.5 | 88.2 | 4.2 | 0.0 | R 92.4 | 0.8 | 0.3 | 0.0 | R 110.0 | R -43.1 | 19.7 | R 3,079.4 |
| 1996 | 281.8 | 18.4 | 102.9 | 1.8 | 0.0 | R 104.6 | 0.9 | 0.3 | 0.0 | R 124.2 | R -69.7 | 6.5 | R 3,165.4 |
| 1997 | 230.0 | 17.5 | 95.0 | 2.3 | 0.0 | R 97.3 | 1.0 | 0.3 | 0.0 | R 116.0 | R -5.4 | 4.7 | R 3,158.7 |
| 1998 | 131.1 | 14.2 | 90.4 | 2.9 | 0.0 | R 93.3 | 1.0 | 0.3 | 0.0 | R 108.9 | R 86.6 | -5.2 | R 3,067.1 |
| 1999 | 152.5 | 14.9 | 91.9 | 3.3 | 0.0 | R 95.2 | 1.2 | 0.3 | 0.0 | R 111.5 | R 113.4 | -0.7 | R 3,255.5 |
| 2000 | 196.9 | 14.6 | 94.8 | 7.9 | 0.0 | R 102.7 | 1.2 | 0.2 | 0.0 | R 118.6 | R 98.5 | -1.1 | R 3,240.6 |
| 2001 | 278.9 | 16.1 | 76.6 | 4.8 | 0.0 | R 81.4 | 1.2 | 0.2 | (s) | R 99.0 | R -20.1 | -7.2 | R 3,076.8 |
| 2002 | 324.6 | 17.0 | 70.7 | 10.2 | 0.0 | R 80.9 | 1.4 | 0.2 | (s) | R 99.5 | R -30.8 | -7.6 | R 3,134.0 |
| 2003 | 291.3 | 14.2 | 81.1 | 12.9 | 2.6 | R 96.6 | 1.8 | 0.2 | (s) | R 112.8 | R 81.4 | -12.2 | R 3,169.3 |
| 2004 | 318.7 | 15.4 | 84.3 | 13.3 | 2.9 | R 100.5 | 1.9 | 0.3 | (s) | R 118.1 | R -20.4 | -10.9 | R 3,138.5 |
| 2005 | 343.0 | 14.6 | R 93.1 | 17.7 | 2.7 | R 113.5 | 2.2 | 0.3 | (s) | R 130.7 | R -36.1 | -9.2 | R 3,172.5 |
| 2006 | 303.3 | 15.1 | R 88.7 | 18.6 | 4.6 | R 111.9 | 2.6 | 0.4 | (s) | R 130.0 | R 18.5 | -7.2 | R 2,982.6 |
| 2007 | 330.5 | 12.6 | R 90.9 | 22.8 | 10.7 | R 124.4 | 3.0 | R 0.5 | (s) | R 140.5 | R -41.3 | -4.1 | R 2,988.3 |
| 2008 | 329.1 | 13.4 | R 93.8 | 31.3 | 13.0 | R 138.0 | 3.5 | R 0.6 | 1.4 | R 157.0 | R -52.5 | 7.9 | R 2,904.7 |
| 2009 | 228.6 | 13.4 | 89.6 | 35.3 | 12.1 | 137.0 | 4.3 | 0.7 | 2.9 | 158.4 | -17.9 | 19.2 | 2,696.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 15,631 | 365 | 30,158 | 3,369 | 2,827 | 65,782 | 11,477 | 14,867 | 128,481 | 212 | – – | – – | – – | – – | 27,599 | – – | – – | – – |
| 1965 | 17,009 | 553 | 30,219 | 4,377 | 3,716 | 78,044 | 8,278 | 21,864 | 146,498 | 146 | – – | – – | – – | – – | 39,784 | – – | – – | – – |
| 1970 | 13,942 | 745 | 37,176 | 7,365 | 6,202 | 96,831 | 5,543 | 20,655 | 173,771 | 123 | – – | – – | – – | – – | 55,292 | – – | – – | – – |
| 1975 | 10,284 | 827 | 40,708 | 5,700 | 7,475 | 108,255 | 4,156 | 18,577 | 184,871 | 121 | – – | – – | – – | – – | 64,348 | – – | – – | – – |
| 1980 | 8,960 | 839 | 26,864 | 6,646 | 6,736 | 97,025 | 3,669 | 26,014 | 166,952 | 117 | – – | – – | – – | – – | 69,681 | – – | – – | – – |
| 1985 | 6,898 | 699 | 25,378 | 6,570 | 14,225 | 93,447 | 2,587 | 14,727 | 156,933 | 117 | – – | – – | – – | – – | 74,427 | – – | – – | – – |
| 1990 | 4,987 | 794 | 24,016 | 10,057 | 14,901 | 99,913 | 1,579 | 18,745 | 169,210 | 23 | – – | – – | – – | – – | 82,367 | – – | – – | – – |
| 1995 | 4,637 | 853 | 27,034 | 8,818 | 14,497 | 110,546 | 500 | 22,883 | 184,278 | 27 | – – | – – | – – | – – | 94,701 | – – | – – | – – |
| 2000 | 4,018 | 828 | 30,450 | 7,214 | 16,308 | 118,160 | 675 | 26,659 | 199,464 | 27 | – – | – – | – – | – – | 104,772 | – – | – – | – – |
| 2001 | 3,802 | 773 | 29,145 | 6,219 | 18,876 | 119,472 | 440 | 18,344 | 192,497 | 26 | – – | – – | – – | – – | 102,409 | – – | – – | – – |
| 2002 | 3,047 | 820 | 28,460 | 6,016 | 21,039 | 121,745 | 455 | 18,251 | 195,966 | 29 | – – | – – | – – | – – | 104,714 | – – | – – | – – |
| 2003 | 2,872 | 822 | 28,979 | 2,695 | 20,578 | 119,019 | 1,001 | 19,408 | 191,680 | 75 | – – | – – | – – | – – | 108,877 | – – | – – | – – |
| 2004 | 3,191 | 783 | 30,746 | 3,733 | 20,826 | 118,967 | 987 | 20,604 | 195,863 | 30 | – – | – – | – – | – – | 106,606 | – – | – – | – – |
| 2005 | 3,170 | 783 | 29,943 | 3,431 | 23,157 | 119,584 | 1,110 | 19,488 | 196,713 | 29 | – – | – – | – – | – – | 110,445 | – – | – – | – – |
| 2006 | 3,141 | 694 | 29,627 | 4,124 | 15,036 | 118,106 | 970 | 14,676 | 182,539 | 32 | – – | – – | – – | – – | 108,018 | – – | – – | – – |
| 2007 | 3,095 | 674 | 29,076 | 5,270 | 16,217 | 116,059 | 1,255 | 14,963 | 182,840 | 26 | – – | – – | – – | – – | 109,297 | – – | – – | – – |
| 2008 | 3,394 | 686 | 26,784 | 4,641 | 12,506 | 111,410 | 1,438 | 12,461 | 169,240 | 26 | – – | – – | – – | – – | 105,781 | – – | – – | – – |
| 2009 | 2,095 | 648 | 25,574 | 4,270 | 11,829 | 110,010 | 264 | 11,017 | 162,964 | 25 | – – | – – | – – | – – | 98,121 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 396.8 | 377.6 | 175.7 | 18.2 | 11.3 | 345.6 | 72.2 | 88.2 | 711.1 | 2.3 | 37.3 | NA | NA | NA | 94.2 | 1,619.3 | 232.9 | 1,852.2 |
| 1965 | 430.3 | 560.5 | 176.0 | 24.0 | 14.9 | 410.0 | 52.0 | 125.4 | 802.3 | 1.5 | 36.9 | NA | NA | NA | 135.7 | 1,967.3 | 324.0 | 2,291.3 |
| 1970 | 341.8 | 756.0 | 216.6 | 41.0 | 23.4 | 508.7 | 34.8 | 120.7 | 945.1 | 1.3 | 36.4 | NA | NA | NA | 188.7 | 2,269.4 | 456.4 | 2,725.8 |
| 1975 | 256.1 | 847.5 | 237.1 | 31.6 | 27.8 | 568.7 | 26.1 | 109.7 | 1,001.0 | 1.3 | 35.9 | NA | NA | NA | 219.6 | 2,361.4 | 526.6 | 2,888.0 |
| 1980 | 226.9 | 855.2 | 156.5 | 37.1 | 24.7 | 509.7 | 23.1 | 149.2 | 900.3 | 1.2 | 90.6 | NA | NA | NA | 237.8 | 2,312.0 | 571.2 | 2,883.1 |
| 1985 | 176.1 | 715.2 | 147.8 | 36.7 | 51.3 | 490.9 | 16.3 | 86.0 | 829.0 | 1.2 | 100.2 | 0.0 | NA | NA | 253.9 | 2,076.4 | 581.6 | 2,658.1 |
| 1990 | 124.5 | 829.7 | 139.9 | 56.6 | 54.0 | 524.8 | 9.9 | 110.1 | 895.3 | 0.2 | 71.2 | 0.0 | 0.6 | 0.2 | 281.0 | 2,189.1 | 644.8 | 2,834.0 |
| 1995 | 115.5 | 887.6 | 157.5 | 50.0 | 52.5 | 576.5 | 3.1 | 133.6 | 973.3 | 0.3 | 68.5 | 0.0 | 0.8 | 0.3 | 323.1 | 2,350.0 | 729.4 | 3,079.4 |
| 2000 | 105.1 | 858.4 | 177.4 | 40.9 | 58.8 | 615.6 | 4.2 | 154.3 | 1,051.2 | 0.3 | 69.2 | 0.0 | 1.2 | 0.2 | 357.5 | 2,432.0 | 808.5 | 3,240.6 |
| 2001 | 99.2 | 796.9 | 169.8 | 35.3 | 68.2 | 622.4 | 2.8 | 108.9 | 1,007.4 | 0.3 | 51.5 | 0.0 | 1.2 | 0.2 | 349.4 | 2,302.6 | 774.2 | 3,076.8 |
| 2002 | 79.1 | 837.4 | 165.8 | 34.1 | 76.0 | 634.0 | 2.9 | 107.9 | 1,020.7 | 0.3 | 45.8 | 0.0 | 1.4 | 0.2 | 357.3 | 2,342.2 | 791.7 | 3,134.0 |
| 2003 | 75.4 | 846.1 | 168.8 | 15.3 | 74.7 | 619.7 | 6.3 | 115.0 | 999.8 | 0.8 | 56.3 | 2.6 | 1.8 | 0.2 | 371.5 | 2,354.4 | 814.9 | 3,169.3 |
| 2004 | 82.6 | 803.2 | 179.1 | 21.2 | 75.3 | 620.4 | 6.2 | 122.3 | 1,024.6 | 0.3 | 59.0 | 2.9 | 1.9 | 0.3 | 363.7 | 2,338.5 | 800.0 | 3,138.5 |
| 2005 | 81.2 | 794.9 | 174.4 | 19.5 | 83.8 | 624.0 | 7.0 | 115.9 | 1,024.6 | 0.3 | 69.9 | 2.7 | 2.2 | 0.3 | 376.8 | 2,353.0 | 819.4 | 3,172.5 |
| 2006 | 80.2 | 706.6 | 172.6 | 23.4 | 54.2 | 616.3 | 6.1 | 89.0 | 961.5 | 0.3 | 65.5 | 4.6 | 2.6 | 0.4 | 368.6 | 2,190.3 | 792.3 | 2,982.6 |
| 2007 | 79.8 | 691.0 | 169.4 | 29.9 | 58.2 | 605.7 | 7.9 | 90.3 | 961.4 | 0.3 | 68.8 | 10.7 | 3.0 | 0.5 | 372.9 | 2,188.5 | 799.9 | 2,988.3 |
| 2008 | 87.6 | 702.7 | 156.0 | 26.3 | 45.0 | 581.3 | 9.0 | 74.7 | 892.5 | 0.3 | 71.1 | 13.0 | 3.5 | 0.6 | 360.9 | 2,132.2 | 772.5 | 2,904.7 |
| 2009 | 53.4 | 661.7 | 149.0 | 24.2 | 42.1 | 574.0 | 1.7 | 66.2 | 857.2 | 0.2 | 67.6 | 12.1 | 4.3 | 0.7 | 334.8 | 1,992.1 | 704.5 | 2,696.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 1,414 | 202 | 17,380 | 765 | 2,090 | 20,234 | 1,103 | – – | – – | 8,728 | – – | – – | – – |
| 1965 | 1,007 | 271 | 16,334 | 1,279 | 2,528 | 20,141 | 890 | – – | – – | 11,309 | – – | – – | – – |
| 1970 | 481 | 340 | 18,839 | 545 | 4,842 | 24,226 | 829 | – – | – – | 17,103 | – – | – – | – – |
| 1975 | 119 | 335 | 19,420 | 302 | 5,625 | 25,347 | 796 | – – | – – | 20,886 | – – | – – | – – |
| 1980 | 65 | 387 | 9,195 | 83 | 3,637 | 12,915 | 2,115 | – – | – – | 22,260 | – – | – – | – – |
| 1985 | 56 | 341 | 6,192 | 425 | 4,771 | 11,389 | 2,193 | – – | – – | 22,302 | – – | – – | – – |
| 1990 | 54 | 327 | 4,842 | 217 | 7,045 | 12,104 | 1,373 | – – | – – | 25,319 | – – | – – | – – |
| 1995 | 33 | 380 | 3,815 | 233 | 8,637 | 12,685 | 739 | – – | – – | 28,623 | – – | – – | – – |
| 1996 | 32 | 400 | 3,859 | 230 | 11,594 | 15,682 | 768 | – – | – – | 28,901 | – – | – – | – – |
| 1997 | 21 | 380 | 3,662 | 254 | 10,955 | 14,871 | 503 | – – | – – | 28,726 | – – | – – | – – |
| 1998 | 16 | 320 | 2,653 | 272 | 10,238 | 13,163 | 447 | – – | – – | 29,808 | – – | – – | – – |
| 1999 | 2 | 351 | 2,994 | 606 | 11,599 | 15,200 | 471 | – – | – – | 30,661 | – – | – – | – – |
| 2000 | 2 | 368 | 2,902 | 356 | 11,940 | 15,199 | 506 | – – | – – | 30,707 | – – | – – | – – |
| 2001 | 1 | 344 | 2,654 | 222 | 14,923 | 17,799 | 673 | – – | – – | 32,305 | – – | – – | – – |
| 2002 | 32 | 368 | 2,212 | 160 | 15,937 | 18,310 | 683 | – – | – – | 34,336 | – – | – – | – – |
| 2003 | 4 | 386 | 2,216 | 264 | 15,801 | 18,281 | 719 | – – | – – | 33,669 | – – | – – | – – |
| 2004 | 18 | 362 | 2,040 | 221 | 13,772 | 16,033 | 737 | – – | – – | 33,104 | – – | – – | – – |
| 2005 | 12 | 359 | 1,945 | 219 | 15,437 | 17,601 | R 1,270 | – – | – – | 36,095 | – – | – – | – – |
| 2006 | 1 | 316 | 1,504 | 153 | 9,483 | 11,140 | R 1,156 | – – | – – | 34,622 | – – | – – | – – |
| 2007 | 17 | 328 | 1,371 | 95 | 10,916 | 12,383 | R 1,275 | – – | – – | 35,366 | – – | – – | – – |
| 2008 | 19 | 342 | R 1,158 | 55 | 10,215 | R 11,428 | R 1,334 | – – | – – | 34,297 | – – | – – | – – |
| 2009 | 25 | 327 | 932 | 71 | 9,925 | 10,928 | 1,275 | – – | – – | 32,854 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 35.0 | 209.0 | 101.2 | 4.3 | 8.4 | 114.0 | 22.1 | NA | NA | 29.8 | 409.9 | 73.6 | 483.5 |
| 1965 | 24.8 | 274.8 | 95.1 | 7.3 | 10.1 | 112.5 | 17.8 | NA | NA | 38.6 | 468.5 | 92.1 | R 560.6 |
| 1970 | 11.4 | 345.1 | 109.7 | 3.1 | 18.3 | 131.1 | 16.6 | NA | NA | 58.4 | 562.6 | 141.2 | R 703.8 |
| 1975 | 2.8 | 343.0 | 113.1 | 1.7 | 20.9 | 135.7 | 15.9 | NA | NA | 71.3 | 568.7 | R 170.9 | R 739.6 |
| 1980 | 1.6 | 394.9 | 53.6 | 0.5 | 13.4 | 67.4 | 42.3 | NA | NA | 76.0 | 582.1 | R 182.5 | R 764.6 |
| 1985 | 1.4 | 348.9 | 36.1 | 2.4 | 17.2 | 55.7 | 43.9 | NA | NA | 76.1 | 524.5 | R 174.3 | R 698.7 |
| 1990 | 1.3 | 341.9 | 28.2 | 1.2 | 25.5 | 55.0 | 27.5 | 0.6 | 0.2 | 86.4 | 505.2 | R 198.2 | R 703.4 |
| 1995 | 0.8 | 395.4 | 22.2 | 1.3 | 31.3 | 54.8 | 14.8 | 0.7 | 0.3 | 97.7 | 555.5 | R 220.5 | R 775.9 |
| 1996 | 0.8 | 413.2 | 22.5 | 1.3 | 41.9 | 65.7 | 15.4 | 0.8 | 0.3 | 98.6 | 585.5 | R 222.8 | R 808.4 |
| 1997 | 0.5 | 395.1 | 21.3 | 1.4 | 39.6 | 62.4 | 10.1 | 0.8 | 0.3 | 98.0 | 558.0 | R 220.6 | R 778.7 |
| 1998 | 0.4 | 334.7 | 15.5 | 1.5 | 37.0 | 54.0 | 8.9 | 0.8 | 0.3 | 101.7 | 492.2 | R 229.2 | R 721.4 |
| 1999 | 0.1 | 365.3 | 17.4 | 3.4 | 41.9 | 62.8 | 9.4 | 0.9 | 0.3 | 104.6 | 535.1 | R 237.8 | R 772.9 |
| 2000 | (s) | 381.1 | 16.9 | 2.0 | 43.1 | 62.0 | 10.1 | 0.9 | 0.2 | 104.8 | 554.1 | R 237.0 | R 791.0 |
| 2001 | (s) | 354.4 | 15.5 | 1.3 | 53.9 | 70.7 | 13.5 | 1.0 | 0.2 | 110.2 | 548.3 | R 244.2 | R 792.5 |
| 2002 | 0.8 | 375.5 | 12.9 | 0.9 | 57.6 | 71.4 | 13.7 | 1.1 | 0.2 | 117.2 | R 579.7 | R 259.6 | R 839.4 |
| 2003 | 0.1 | 397.1 | 12.9 | 1.5 | 57.3 | 71.7 | 14.4 | 1.4 | 0.2 | 114.9 | 599.9 | R 252.0 | R 851.9 |
| 2004 | 0.4 | 371.1 | 11.9 | 1.3 | 49.8 | 63.0 | 14.7 | 1.5 | 0.3 | 112.9 | 564.0 | R 248.4 | R 812.5 |
| 2005 | 0.3 | 364.0 | 11.3 | 1.2 | 55.9 | 68.5 | R 25.4 | 1.8 | 0.3 | 123.2 | R 583.4 | R 267.8 | R 851.2 |
| 2006 | (s) | 321.5 | 8.8 | 0.9 | 34.2 | 43.8 | R 23.1 | 2.1 | 0.4 | 118.1 | R 509.0 | R 254.0 | R 763.0 |
| 2007 | 0.4 | 336.5 | 8.0 | 0.5 | 39.2 | 47.7 | R 25.5 | 2.5 | R 0.5 | 120.7 | R 533.8 | R 258.8 | R 792.6 |
| 2008 | 0.5 | 350.0 | 6.7 | 0.3 | 36.8 | 43.8 | R 26.7 | 3.0 | R 0.6 | 117.0 | R 541.6 | R 250.5 | R 792.0 |
| 2009 | 0.6 | 334.2 | 5.4 | 0.4 | 35.3 | 41.1 | 25.5 | 3.7 | 0.7 | 112.1 | 518.0 | 235.9 | 753.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 982 | 43 | 3,212 | 566 | 192 | 324 | 1,175 | 5,468 | NA | – – | – – | 6,381 | – – | – – | – – |
| 1965 | 760 | 85 | 3,019 | 946 | 232 | 536 | 839 | 5,572 | NA | – – | – – | 9,124 | – – | – – | – – |
| 1970 | 378 | 133 | 3,482 | 403 | 444 | 804 | 558 | 5,691 | NA | – – | – – | 13,021 | – – | – – | – – |
| 1975 | 279 | 182 | 3,589 | 224 | 516 | 954 | 390 | 5,672 | NA | – – | – – | 14,596 | – – | – – | – – |
| 1980 | 243 | 190 | 3,123 | 15 | 333 | 823 | 225 | 4,519 | NA | – – | – – | 16,765 | – – | – – | – – |
| 1985 | 197 | 158 | 2,449 | 11 | 438 | 699 | 274 | 3,872 | NA | – – | – – | 18,421 | – – | – – | – – |
| 1990 | 214 | 159 | 2,010 | 18 | 646 | 770 | 71 | 3,516 | 0 | – – | – – | 21,986 | – – | – – | – – |
| 1995 | 221 | 194 | 1,638 | 102 | 792 | 77 | 5 | 2,614 | 0 | – – | – – | 32,153 | – – | – – | – – |
| 1996 | 238 | 201 | 1,766 | 149 | 1,063 | 77 | 5 | 3,060 | 0 | – – | – – | 32,896 | – – | – – | – – |
| 1997 | 167 | 192 | 1,917 | 56 | 1,005 | 76 | 55 | 3,108 | 0 | – – | – – | 33,231 | – – | – – | – – |
| 1998 | 129 | 163 | 1,506 | 66 | 939 | 208 | 2 | 2,720 | 0 | – – | – – | 34,710 | – – | – – | – – |
| 1999 | 18 | 179 | 1,401 | 37 | 1,064 | 171 | 3 | 2,676 | 0 | – – | – – | 36,040 | – – | – – | – – |
| 2000 | 12 | 187 | 1,577 | 33 | 1,095 | 159 | 5 | 2,868 | 0 | – – | – – | 36,793 | – – | – – | – – |
| 2001 | 8 | 174 | 1,525 | 35 | 1,368 | 433 | 17 | 3,378 | 0 | – – | – – | 35,925 | – – | – – | – – |
| 2002 | 234 | 176 | 966 | 28 | 1,461 | 247 | 64 | 2,767 | 0 | – – | – – | 36,835 | – – | – – | – – |
| 2003 | 28 | 186 | 1,149 | 19 | 1,582 | 203 | 90 | 3,043 | 0 | – – | – – | 35,391 | – – | – – | – – |
| 2004 | 161 | 175 | 1,063 | 22 | 1,547 | 191 | 49 | 2,872 | 0 | – – | – – | 38,632 | – – | – – | – – |
| 2005 | 141 | 175 | 1,267 | 28 | 933 | 207 | 4 | 2,440 | 0 | – – | – – | 39,600 | – – | – – | – – |
| 2006 | 8 | 154 | 1,337 | 26 | 915 | 91 | 2 | 2,370 | 0 | – – | – – | 39,299 | – – | – – | – – |
| 2007 | 155 | 164 | 1,128 | 8 | 911 | 82 | 0 | 2,129 | 0 | – – | – – | 40,047 | – – | – – | – – |
| 2008 | 171 | 172 | R 1,031 | 8 | 998 | 84 | 56 | R 2,177 | 0 | – – | – – | 38,974 | – – | – – | – – |
| 2009 | 221 | 164 | 1,405 | 8 | 690 | 127 | 13 | 2,243 | 0 | – – | – – | 37,870 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 24.3 | 44.5 | 18.7 | 3.2 | 0.8 | 1.7 | 7.4 | 31.8 | NA | 0.4 | NA | 21.8 | 122.8 | 53.8 | 176.6 |
| 1965 | 18.7 | 86.0 | 17.6 | 5.4 | 0.9 | 2.8 | 5.3 | 32.0 | NA | 0.3 | NA | 31.1 | 168.2 | 74.3 | 242.5 |
| 1970 | 9.0 | 134.7 | 20.3 | 2.3 | 1.7 | 4.2 | 3.5 | 32.0 | NA | 0.3 | NA | 44.4 | 220.4 | 107.5 | 327.9 |
| 1975 | 6.5 | 186.4 | 20.9 | 1.3 | 1.9 | 5.0 | 2.4 | 31.6 | NA | 0.3 | NA | 49.8 | 274.5 | R 119.5 | R 394.0 |
| 1980 | 5.9 | 194.0 | 18.2 | 0.1 | 1.2 | 4.3 | 1.4 | 25.2 | NA | 1.0 | NA | 57.2 | 283.4 | R 137.4 | R 420.8 |
| 1985 | 4.8 | 161.4 | 14.3 | 0.1 | 1.6 | 3.7 | 1.7 | 21.3 | NA | 1.0 | NA | 62.9 | 250.8 | R 144.0 | R 394.8 |
| 1990 | 5.3 | 166.5 | 11.7 | 0.1 | 2.3 | 4.0 | 0.4 | 18.6 | 0.0 | 7.3 | 0.0 | 75.0 | 269.1 | R 172.1 | R 441.2 |
| 1995 | 5.4 | 201.9 | 9.5 | 0.6 | 2.9 | 0.4 | (s) | 13.4 | 0.0 | 9.0 | 0.1 | 109.7 | 335.1 | R 247.6 | R 582.7 |
| 1996 | 5.9 | 208.3 | 10.3 | 0.8 | 3.8 | 0.4 | (s) | 15.4 | 0.0 | 10.8 | 0.1 | 112.2 | 348.2 | R 253.6 | R 601.8 |
| 1997 | 4.1 | 200.0 | 11.2 | 0.3 | 3.6 | 0.4 | 0.3 | 15.9 | 0.0 | 11.0 | 0.2 | 113.4 | 339.9 | R 255.2 | R 595.1 |
| 1998 | 3.2 | 171.1 | 8.8 | 0.4 | 3.4 | 1.1 | (s) | 13.6 | 0.0 | 9.4 | 0.2 | 118.4 | 311.5 | R 266.9 | R 578.4 |
| 1999 | 0.4 | 186.8 | 8.2 | 0.2 | 3.8 | 0.9 | (s) | 13.1 | 0.0 | 9.4 | 0.2 | 123.0 | 328.7 | R 279.6 | R 608.3 |
| 2000 | 0.3 | 193.6 | 9.2 | 0.2 | 3.9 | 0.8 | (s) | 14.2 | 0.0 | 8.6 | 0.2 | 125.5 | 339.9 | R 283.9 | R 623.8 |
| 2001 | 0.2 | 179.1 | 8.9 | 0.2 | 4.9 | 2.3 | 0.1 | 16.4 | 0.0 | 2.6 | 0.2 | 122.6 | 320.3 | R 271.6 | R 591.9 |
| 2002 | 5.5 | 179.7 | 5.6 | 0.2 | 5.3 | 1.3 | 0.4 | 12.8 | 0.0 | 6.5 | 0.3 | 125.7 | 330.4 | R 278.5 | R 608.9 |
| 2003 | 0.7 | 191.7 | 6.7 | 0.1 | 5.7 | 1.1 | 0.6 | 14.2 | 0.0 | 6.5 | 0.4 | 120.8 | 334.2 | R 264.9 | R 599.1 |
| 2004 | 3.9 | 179.6 | 6.2 | 0.1 | 5.6 | 1.0 | 0.3 | 13.2 | 0.0 | 7.0 | 0.4 | 131.8 | 336.0 | R 289.9 | R 625.9 |
| 2005 | 3.4 | 177.2 | 7.4 | 0.2 | 3.4 | 1.1 | (s) | 12.0 | 0.0 | R 8.2 | 0.5 | 135.1 | R 336.5 | R 293.8 | R 630.3 |
| 2006 | 0.2 | 156.7 | 7.8 | 0.1 | 3.3 | 0.5 | (s) | 11.7 | 0.0 | R 8.3 | 0.5 | 134.1 | R 311.5 | R 288.3 | R 599.7 |
| 2007 | 3.8 | 167.8 | 6.6 | (s) | 3.3 | 0.4 | 0.0 | 10.3 | 0.0 | R 8.6 | 0.5 | 136.6 | R 327.7 | R 293.1 | R 620.8 |
| 2008 | 4.4 | 176.3 | 6.0 | (s) | 3.6 | 0.4 | 0.4 | 10.4 | 0.0 | R 9.1 | 0.6 | 133.0 | R 333.7 | R 284.6 | R 618.3 |
| 2009 | 5.7 | 167.2 | 8.2 | (s) | 2.5 | 0.7 | 0.1 | 11.4 | 0.0 | 8.9 | 0.7 | 129.2 | 323.2 | 271.9 | 595.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 13,011 | 117 | 7,091 | 524 | 3,151 | 9,574 | 10,949 | 31,288 | 212 | – – | – – | – – | 12,482 | – – | – – | – – |
| 1965 | 15,193 | 192 | 7,518 | 923 | 2,694 | 6,660 | 15,894 | 33,689 | 146 | – – | – – | – – | 19,350 | – – | – – | – – |
| 1970 | 13,061 | 262 | 8,502 | 854 | 2,758 | 4,557 | 17,665 | 34,336 | 123 | – – | – – | – – | 25,169 | – – | – – | – – |
| 1975 | 9,885 | 300 | 8,749 | 1,239 | 1,889 | 3,343 | 16,383 | 31,603 | 121 | – – | – – | – – | 28,866 | – – | – – | – – |
| 1980 | 8,652 | 249 | 4,804 | 2,637 | 967 | 3,213 | 23,951 | 35,572 | 117 | – – | – – | – – | 30,656 | – – | – – | – – |
| 1985 | 6,645 | 190 | 4,408 | 8,725 | 1,192 | 2,213 | 12,744 | 29,283 | 117 | – – | – – | – – | 33,704 | – – | – – | – – |
| 1990 | 4,719 | 290 | 3,957 | 6,926 | 976 | 1,416 | 16,782 | 30,058 | 23 | – – | – – | – – | 35,062 | – – | – – | – – |
| 1995 | 4,383 | 254 | 3,457 | 4,826 | 1,310 | 402 | 20,874 | 30,869 | 27 | – – | – – | – – | 33,921 | – – | – – | – – |
| 1996 | 4,283 | 260 | 3,889 | 5,425 | 1,418 | 415 | 22,120 | 33,267 | 29 | – – | – – | – – | 34,499 | – – | – – | – – |
| 1997 | 3,770 | 255 | 3,986 | 2,361 | 1,271 | 415 | 27,333 | 35,366 | 26 | – – | – – | – – | 35,430 | – – | – – | – – |
| 1998 | 3,857 | 224 | 4,122 | 1,127 | 1,097 | 400 | 26,178 | 32,924 | 25 | – – | – – | – – | 35,983 | – – | – – | – – |
| 1999 | 4,636 | 248 | 4,909 | 2,323 | 1,017 | 332 | 25,870 | 34,452 | 26 | – – | – – | – – | 37,276 | – – | – – | – – |
| 2000 | 4,004 | 247 | 4,055 | 3,006 | 1,060 | 622 | 24,523 | 33,267 | 27 | – – | – – | – – | 37,268 | – – | – – | – – |
| 2001 | 3,793 | 233 | 3,494 | 2,434 | 1,835 | 352 | 16,595 | 24,711 | 26 | – – | – – | – – | 34,174 | – – | – – | – – |
| 2002 | 2,781 | 250 | 2,767 | 3,457 | 1,931 | 344 | 16,499 | 24,998 | 29 | – – | – – | – – | 33,537 | – – | – – | – – |
| 2003 | 2,840 | 222 | 3,134 | 2,999 | 2,018 | 713 | 17,746 | 26,610 | 75 | – – | – – | – – | 39,813 | – – | – – | – – |
| 2004 | 3,012 | 219 | 3,651 | 5,110 | 2,308 | 687 | 18,974 | 30,730 | 30 | – – | – – | – – | 34,867 | – – | – – | – – |
| 2005 | 3,017 | 222 | 3,475 | 6,279 | 2,237 | 909 | 17,856 | 30,756 | 29 | – – | – – | – – | 34,745 | – – | – – | – – |
| 2006 | 3,132 | 199 | 3,020 | 4,407 | 2,378 | 736 | R 13,163 | R 23,704 | 32 | – – | – – | – – | 34,093 | – – | – – | – – |
| 2007 | 2,922 | 156 | 3,154 | 4,112 | 2,218 | 967 | R 13,476 | R 23,927 | 26 | – – | – – | – – | 33,879 | – – | – – | – – |
| 2008 | 3,204 | R 149 | R 3,303 | R 1,003 | 1,883 | 1,165 | R 11,110 | R 18,465 | 26 | – – | – – | – – | 32,505 | – – | – – | – – |
| 2009 | 1,850 | 137 | 3,173 | 988 | 1,446 | 113 | 9,783 | 15,503 | 25 | – – | – – | – – | 27,391 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 332.0 | 121.3 | 41.3 | 2.1 | 16.5 | 60.2 | 66.3 | 186.5 | 2.3 | 14.8 | NA | NA | 42.6 | 699.4 | 105.3 | 804.7 |
| 1965 | 385.6 | 195.1 | 43.8 | 3.7 | 14.2 | 41.9 | 92.7 | 196.2 | 1.5 | 18.8 | NA | NA | 66.0 | 863.2 | R 157.6 | R 1,020.8 |
| 1970 | 320.9 | 265.7 | 49.5 | 3.2 | 14.5 | 28.7 | 103.6 | 199.5 | 1.3 | 19.5 | NA | NA | 85.9 | 892.8 | R 207.7 | R 1,100.6 |
| 1975 | 246.7 | 307.7 | 51.0 | 4.6 | 9.9 | 21.0 | 97.0 | 183.5 | 1.3 | 19.7 | NA | NA | 98.5 | 857.4 | R 236.2 | R 1,093.6 |
| 1980 | 219.4 | 253.7 | 28.0 | 9.7 | 5.1 | 20.2 | 137.2 | 200.2 | 1.2 | 47.2 | NA | NA | 104.6 | 826.3 | R 251.3 | R 1,077.6 |
| 1985 | 169.9 | 194.2 | 25.7 | 31.4 | 6.3 | 13.9 | 74.4 | 151.7 | 1.2 | 55.3 | 0.0 | NA | 115.0 | 686.6 | R 263.4 | R 950.0 |
| 1990 | 117.9 | 302.6 | 23.1 | 25.1 | 5.1 | 8.9 | 98.5 | 160.7 | 0.2 | 36.5 | 0.0 | 0.0 | 119.6 | 731.0 | R 274.5 | R 1,005.5 |
| 1995 | 109.2 | 264.4 | 20.1 | 17.5 | 6.8 | 2.5 | 121.8 | 168.8 | 0.3 | 44.7 | 0.0 | 0.0 | 115.7 | 697.3 | R 261.3 | R 958.6 |
| 1996 | 107.5 | 268.8 | 22.7 | 19.6 | 7.4 | 2.6 | 126.6 | 178.9 | 0.3 | 53.3 | 0.0 | 0.0 | 117.7 | 720.8 | R 266.0 | R 986.8 |
| 1997 | 95.1 | 265.7 | 23.2 | 8.5 | 6.6 | 2.6 | 160.4 | 201.3 | 0.3 | 51.4 | 0.0 | 0.0 | 120.9 | 728.8 | R 272.1 | R 1,001.0 |
| 1998 | 97.9 | 234.9 | 24.0 | 4.1 | 5.7 | 2.5 | 152.5 | 188.9 | 0.3 | 49.6 | 0.0 | 0.0 | 122.8 | 688.5 | R 276.7 | R 965.1 |
| 1999 | 120.0 | 258.6 | 28.6 | 8.4 | 5.3 | 2.1 | 150.1 | 194.5 | 0.3 | 51.4 | 0.0 | 0.0 | 127.2 | 746.2 | R 289.1 | R 1,035.3 |
| 2000 | 104.8 | 256.2 | 23.6 | 10.8 | 5.5 | 3.9 | 141.7 | 185.6 | 0.3 | 50.4 | 0.0 | 0.0 | 127.2 | 721.0 | R 287.6 | R 1,008.6 |
| 2001 | 99.0 | 240.5 | 20.4 | 8.8 | 9.6 | 2.2 | 98.5 | 139.4 | 0.3 | 35.5 | 0.0 | 0.0 | 116.6 | 630.1 | R 258.3 | R 888.5 |
| 2002 | 72.8 | 254.7 | 16.1 | 12.5 | 10.1 | 2.2 | 97.5 | 138.4 | 0.3 | 25.7 | 0.0 | 0.0 | 114.4 | 606.3 | R 253.6 | R 859.9 |
| 2003 | 74.6 | 229.0 | 18.3 | 10.9 | 10.5 | 4.5 | 105.1 | 149.2 | 0.8 | 35.4 | 2.6 | 0.0 | 135.8 | 627.5 | R 298.0 | R 925.5 |
| 2004 | 78.2 | 224.2 | 21.3 | 18.5 | 12.0 | 4.3 | 112.6 | 168.7 | 0.3 | 37.3 | 2.9 | 0.0 | 119.0 | 630.6 | R 261.7 | R 892.2 |
| 2005 | 77.5 | 225.4 | 20.2 | 22.7 | 11.7 | 5.7 | 106.2 | 166.6 | 0.3 | 36.3 | 2.7 | 0.0 | 118.5 | R 627.3 | R 257.8 | R 885.1 |
| 2006 | 80.0 | 202.4 | 17.6 | 15.9 | 12.4 | 4.6 | R 79.9 | R 130.4 | 0.3 | R 34.1 | 4.6 | 0.0 | 116.3 | R 568.1 | R 250.1 | R 818.2 |
| 2007 | 75.6 | 160.1 | 18.4 | 14.8 | 11.6 | 6.1 | R 81.4 | R 132.2 | 0.3 | R 34.7 | 10.7 | 0.0 | 115.6 | R 529.1 | R 247.9 | R 777.0 |
| 2008 | 82.7 | R 152.2 | R 19.2 | 3.6 | 9.8 | 7.3 | R 66.6 | R 106.6 | 0.3 | R 35.3 | 13.0 | 0.0 | 110.9 | R 501.1 | R 237.4 | R 738.4 |
| 2009 | 47.1 | 140.0 | 18.5 | 3.5 | 7.5 | 0.7 | 58.9 | 89.1 | 0.2 | 33.2 | 12.1 | 0.0 | 93.5 | 415.1 | 196.7 | 611.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 223 | 3 | 1,312 | 2,475 | 3,369 | 21 | 1,277 | 62,307 | 728 | 71,489 | 9 | – – | – – | – – |
| 1965 | 50 | 5 | 2,619 | 3,348 | 4,377 | 34 | 1,126 | 74,814 | 779 | 87,097 | 0 | – – | – – | – – |
| 1970 | 21 | 10 | 718 | 6,353 | 7,365 | 62 | 1,324 | 93,269 | 427 | 109,518 | 0 | – – | – – | – – |
| 1975 | 2 | 10 | 347 | 8,949 | 5,700 | 95 | 1,321 | 105,412 | 423 | 122,248 | 0 | – – | – – | – – |
| 1980 | 0 | 12 | 488 | 9,741 | 6,646 | 128 | 1,477 | 95,235 | 232 | 113,946 | 0 | – – | – – | – – |
| 1985 | 0 | 11 | 201 | 12,328 | 6,570 | 291 | 1,344 | 91,556 | 99 | 112,389 | 0 | – – | – – | – – |
| 1990 | 0 | 18 | 215 | 13,207 | 10,057 | 283 | 1,513 | 98,167 | 92 | 123,533 | 0 | – – | – – | – – |
| 1995 | 0 | 25 | 231 | 18,125 | 8,818 | 241 | 1,443 | 109,159 | 94 | 138,111 | 4 | – – | – – | – – |
| 1996 | 0 | 26 | 215 | 18,940 | 9,045 | 224 | 1,401 | 109,025 | 123 | 138,970 | 5 | – – | – – | – – |
| 1997 | 0 | 24 | 197 | 19,815 | 9,487 | 204 | 1,480 | 111,042 | 52 | 142,276 | 4 | – – | – – | – – |
| 1998 | 0 | 21 | 167 | 21,145 | 9,033 | 804 | 1,549 | 113,608 | 82 | 146,388 | 5 | – – | – – | – – |
| 1999 | 0 | 23 | 286 | 21,764 | 9,116 | 352 | 1,565 | 119,839 | 36 | 152,958 | 4 | – – | – – | – – |
| 2000 | 0 | 27 | 205 | 21,915 | 7,214 | 266 | 1,542 | 116,941 | 48 | 148,131 | 4 | – – | – – | – – |
| 2001 | 0 | 22 | 79 | 21,472 | 6,219 | 151 | 1,412 | 117,204 | 71 | 146,608 | 5 | – – | – – | – – |
| 2002 | 0 | 27 | 167 | 22,514 | 6,016 | 183 | 1,396 | 119,567 | 47 | 149,891 | 5 | – – | – – | – – |
| 2003 | 0 | 27 | 89 | 22,480 | 2,695 | 196 | 1,290 | 116,798 | 198 | 143,747 | 3 | – – | – – | – – |
| 2004 | 0 | 28 | 80 | 23,993 | 3,733 | 397 | 1,307 | 116,468 | 251 | 146,228 | 3 | – – | – – | – – |
| 2005 | 0 | 28 | 84 | 23,256 | 3,431 | 509 | 1,300 | 117,139 | 197 | 145,916 | 5 | – – | – – | – – |
| 2006 | 0 | 26 | 67 | 23,767 | 4,124 | 231 | 1,267 | 115,637 | 232 | 145,325 | 4 | – – | – – | – – |
| 2007 | 0 | 26 | 76 | 23,422 | 5,270 | 278 | 1,308 | 113,760 | 288 | 144,401 | 5 | – – | – – | – – |
| 2008 | 0 | 24 | 74 | R 21,291 | 4,641 | R 289 | 1,215 | 109,444 | 217 | R 137,170 | 5 | – – | – – | – – |
| 2009 | 0 | 20 | 62 | 20,064 | 4,270 | 227 | 1,092 | 108,437 | 138 | 134,291 | 5 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 5.5 | 2.7 | 6.6 | 14.4 | 18.2 | 0.1 | 7.7 | 327.3 | 4.6 | 378.9 | (s) | 387.2 | 0.1 | 387.3 |
| 1965 | 1.2 | 4.6 | 13.2 | 19.5 | 24.0 | 0.1 | 6.8 | 393.0 | 4.9 | 461.5 | 0.0 | 467.4 | 0.0 | 467.4 |
| 1970 | 0.5 | 10.5 | 3.6 | 37.0 | 41.0 | 0.2 | 8.0 | 489.9 | 2.7 | 582.5 | 0.0 | 593.5 | 0.0 | 593.5 |
| 1975 | (s) | 10.5 | 1.7 | 52.1 | 31.6 | 0.4 | 8.0 | 553.7 | 2.7 | 650.3 | 0.0 | 660.8 | 0.0 | 660.8 |
| 1980 | 0.0 | 12.6 | 2.5 | 56.7 | 37.1 | 0.5 | 9.0 | 500.3 | 1.5 | 607.5 | 0.0 | 620.1 | 0.0 | 620.1 |
| 1985 | 0.0 | 10.8 | 1.0 | 71.8 | 36.7 | 1.0 | 8.2 | 480.9 | 0.6 | 600.3 | 0.0 | R 614.6 | 0.0 | R 614.6 |
| 1990 | 0.0 | 18.7 | 1.1 | 76.9 | 56.6 | 1.0 | 9.2 | 515.7 | 0.6 | 661.0 | 0.0 | R 683.9 | 0.0 | R 683.9 |
| 1995 | 0.0 | 25.9 | 1.2 | 105.6 | 50.0 | 0.9 | 8.8 | 569.3 | 0.6 | 736.2 | (s) | 762.2 | (s) | 762.2 |
| 1996 | 0.0 | 26.9 | 1.1 | 110.3 | 51.3 | 0.8 | 8.5 | 568.7 | 0.8 | 741.4 | (s) | 768.3 | (s) | 768.4 |
| 1997 | 0.0 | 24.8 | 1.0 | 115.4 | 53.8 | 0.7 | 9.0 | 578.9 | 0.3 | 759.1 | (s) | 783.9 | (s) | 783.9 |
| 1998 | 0.0 | 21.9 | 0.8 | 123.2 | 51.2 | 2.9 | 9.4 | 592.1 | 0.5 | 780.2 | (s) | 802.1 | (s) | 802.1 |
| 1999 | 0.0 | 23.5 | 1.4 | 126.8 | 51.7 | 1.3 | 9.5 | 624.5 | 0.2 | 815.4 | (s) | 838.9 | (s) | 838.9 |
| 2000 | 0.0 | 27.5 | 1.0 | 127.7 | 40.9 | 1.0 | 9.3 | 609.3 | 0.3 | 789.5 | (s) | 817.0 | (s) | 817.1 |
| 2001 | 0.0 | 23.0 | 0.4 | 125.1 | 35.3 | 0.5 | 8.6 | 610.6 | 0.4 | 780.9 | (s) | 803.9 | (s) | 804.0 |
| 2002 | 0.0 | 27.5 | 0.8 | 131.1 | 34.1 | 0.7 | 8.5 | 622.7 | 0.3 | 798.2 | (s) | 825.8 | (s) | 825.8 |
| 2003 | 0.0 | 28.3 | 0.5 | 130.9 | 15.3 | 0.7 | 7.8 | 608.2 | 1.2 | 764.6 | (s) | 792.9 | (s) | 792.9 |
| 2004 | 0.0 | 28.2 | 0.4 | 139.8 | 21.2 | 1.4 | 7.9 | 607.4 | 1.6 | 779.6 | (s) | 807.9 | (s) | 807.9 |
| 2005 | 0.0 | 28.3 | 0.4 | 135.5 | 19.5 | 1.8 | 7.9 | 611.2 | 1.2 | 777.5 | (s) | 805.8 | (s) | 805.9 |
| 2006 | 0.0 | 26.1 | 0.3 | 138.4 | 23.4 | 0.8 | 7.7 | 603.4 | 1.5 | 775.5 | (s) | 801.6 | (s) | 801.7 |
| 2007 | 0.0 | 26.7 | 0.4 | 136.4 | 29.9 | 1.0 | 7.9 | 593.7 | 1.8 | 771.2 | (s) | 797.9 | (s) | 797.9 |
| 2008 | 0.0 | 24.2 | 0.4 | R 124.0 | 26.3 | 1.0 | 7.4 | 571.1 | 1.4 | R 731.6 | (s) | R 755.8 | (s) | R 755.9 |
| 2009 | 0.0 | 20.3 | 0.3 | 116.9 | 24.2 | 0.8 | 6.6 | 565.8 | 0.9 | 715.5 | (s) | 735.8 | (s) | 735.9 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Michigan

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 10,300 | 5 | 362 | 77 | 0 | 440 | 0 | 1,817 | – – | 0 | NA | NA | 1,250 | – – |
| 1965 | 16,123 | 3 | 316 | 68 | 0 | 384 | 181 | 1,667 | – – | 0 | NA | NA | -413 | – – |
| 1970 | 20,124 | 64 | 4,514 | 965 | 0 | 5,479 | 375 | 1,581 | – – | 0 | NA | NA | -400 | – – |
| 1975 | 20,914 | 57 | 14,136 | 1,538 | 0 | 15,674 | 7,176 | 989 | – – | 0 | NA | NA | 320 | – – |
| 1980 | 22,150 | 26 | 9,621 | 780 | 0 | 10,400 | 15,891 | 1,083 | – – | 0 | NA | NA | 5,685 | – – |
| 1985 | 25,896 | 10 | 522 | 646 | 0 | 1,168 | 13,452 | 881 | – – | 0 | 0 | 0 | 391 | – – |
| 1990 | 29,830 | 85 | 1,149 | 341 | 0 | 1,490 | 21,611 | 1,605 | – – | 0 | 0 | 0 | -10,918 | – – |
| 1995 | 31,400 | 123 | 1,101 | 410 | 0 | 1,512 | 24,448 | 1,570 | – – | 0 | 0 | 0 | 5,760 | – – |
| 1996 | 32,405 | 140 | 1,235 | 300 | 3 | 1,539 | 26,829 | 1,755 | – – | 0 | 0 | 0 | 1,907 | – – |
| 1997 | 32,158 | 143 | 1,031 | 312 | 0 | 1,343 | 21,914 | 1,686 | – – | 0 | 0 | 0 | 1,380 | – – |
| 1998 | 34,253 | 148 | 1,630 | 468 | 103 | 2,201 | 12,494 | 1,372 | – – | 0 | 0 | 0 | -1,534 | – – |
| 1999 | 33,854 | 150 | 2,120 | 505 | 65 | 2,690 | 14,591 | 1,432 | – – | 0 | 0 | 0 | -219 | – – |
| 2000 | 33,277 | 135 | 1,683 | 374 | 9 | 2,066 | 18,882 | 1,401 | – – | 0 | 0 | 0 | -327 | – – |
| 2001 | 33,928 | 133 | 1,150 | 369 | 2 | 1,522 | 26,711 | 1,536 | – – | 0 | 0 | (s) | -2,102 | – – |
| 2002 | 33,367 | 146 | 1,537 | 535 | 73 | 2,145 | 31,087 | 1,640 | – – | 0 | 0 | (s) | -2,234 | – – |
| 2003 | 34,101 | 103 | 1,152 | 484 | 60 | 1,697 | 27,954 | 1,310 | – – | 0 | 0 | 3 | -3,564 | – – |
| 2004 | 35,312 | 133 | 1,112 | 393 | 17 | 1,522 | 30,562 | 1,509 | – – | 0 | 0 | 2 | -3,204 | – – |
| 2005 | 36,273 | 131 | 1,099 | 372 | 170 | 1,641 | 32,872 | 1,433 | – – | 0 | 0 | 2 | -2,699 | – – |
| 2006 | 34,926 | 109 | 231 | 302 | 218 | 751 | 29,066 | 1,488 | – – | 0 | 0 | 2 | -2,117 | – – |
| 2007 | 36,574 | 124 | 529 | 295 | 252 | 1,076 | 31,517 | 1,244 | – – | 0 | 0 | 3 | -1,206 | – – |
| 2008 | 36,476 | 93 | 214 | 287 | 236 | 738 | 31,484 | 1,339 | – – | 0 | 0 | 141 | 2,305 | – – |
| 2009 | 35,330 | 84 | 127 | 257 | 234 | 618 | 21,851 | 1,347 | – – | 0 | 0 | 300 | 5,637 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 256.3 | 5.4 | 2.3 | 0.5 | 0.0 | 2.7 | 0.0 | 19.6 | 0.0 | 0.0 | NA | NA | 4.3 | 288.2 |
| 1965 | 399.9 | 3.0 | 2.0 | 0.4 | 0.0 | 2.4 | 2.1 | 17.4 | 0.0 | 0.0 | NA | NA | -1.4 | 423.5 |
| 1970 | 487.0 | 65.2 | 28.4 | 5.6 | 0.0 | 34.0 | 4.1 | 16.6 | 0.0 | 0.0 | NA | NA | -1.4 | 605.6 |
| 1975 | 494.9 | 47.3 | 88.9 | 8.9 | 0.0 | 97.8 | 79.0 | 10.3 | 0.0 | 0.0 | NA | NA | 1.1 | 730.4 |
| 1980 | 532.2 | 19.4 | 60.5 | 4.5 | 0.0 | 65.0 | 173.3 | 11.3 | 0.0 | 0.0 | NA | NA | 19.4 | 820.6 |
| 1985 | 605.8 | 4.7 | 3.3 | 3.8 | 0.0 | 7.0 | 142.9 | 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 770.9 |
| 1990 | 663.5 | 69.1 | 7.2 | 2.0 | 0.0 | 9.2 | 228.7 | 16.7 | 9.0 | 0.0 | 0.0 | 0.0 | -37.3 | 957.4 |
| 1995 | 671.2 | 105.1 | 6.9 | 2.4 | 0.0 | 9.3 | 256.9 | 16.2 | 19.7 | 0.0 | 0.0 | 0.0 | 19.7 | 1,095.6 |
| 1996 | 682.1 | 122.1 | 7.8 | 1.7 | (s) | 9.5 | 281.8 | 18.1 | 23.4 | 0.0 | 0.0 | 0.0 | 6.5 | 1,140.8 |
| 1997 | 681.4 | 124.5 | 6.5 | 1.8 | 0.0 | 8.3 | 230.0 | 17.2 | 22.6 | 0.0 | 0.0 | 0.0 | 4.7 | 1,085.8 |
| 1998 | 725.3 | 131.4 | 10.2 | 2.7 | 0.6 | 13.6 | 131.1 | 14.0 | 22.5 | 0.0 | 0.0 | 0.0 | -5.2 | 1,029.2 |
| 1999 | 712.2 | 134.1 | 13.3 | 2.9 | 0.4 | 16.7 | 152.5 | 14.6 | 21.7 | 0.0 | 0.0 | 0.0 | -0.7 | 1,047.9 |
| 2000 | 694.7 | 126.0 | 10.6 | 2.2 | 0.1 | 12.8 | 196.9 | 14.3 | 25.6 | 0.0 | 0.0 | 0.0 | -1.1 | 1,067.5 |
| 2001 | 690.5 | 131.7 | 7.2 | 2.2 | (s) | 9.4 | 278.9 | 15.9 | 25.0 | 0.0 | 0.0 | (s) | -7.2 | 1,143.7 |
| 2002 | 660.8 | 147.3 | 9.7 | 3.1 | 0.4 | 13.2 | 324.6 | 16.7 | 24.8 | 0.0 | 0.0 | (s) | -7.6 | 1,179.8 |
| 2003 | 672.6 | 104.6 | 7.2 | 2.8 | 0.4 | 10.4 | 291.3 | 13.4 | 24.8 | 0.0 | 0.0 | (s) | -12.2 | 1,105.0 |
| 2004 | 691.2 | 135.5 | 7.0 | 2.3 | 0.1 | 9.4 | 318.7 | 15.1 | 25.3 | 0.0 | 0.0 | (s) | -10.9 | 1,184.2 |
| 2005 | 718.2 | 132.6 | 6.9 | 2.2 | 1.0 | 10.1 | 343.0 | 14.3 | 23.2 | 0.0 | 0.0 | (s) | -9.2 | 1,232.4 |
| 2006 | 693.4 | 110.4 | 1.5 | 1.8 | 1.3 | 4.5 | 303.3 | 14.8 | 23.2 | 0.0 | 0.0 | (s) | -7.2 | 1,142.4 |
| 2007 | 721.3 | 125.5 | 3.3 | 1.7 | 1.5 | 6.6 | 330.5 | 12.3 | 22.1 | 0.0 | 0.0 | (s) | -4.1 | 1,214.1 |
| 2008 | 712.4 | 94.8 | 1.3 | 1.7 | 1.4 | 4.4 | 329.1 | 13.2 | 22.7 | 0.0 | 0.0 | 1.4 | 7.9 | 1,185.9 |
| 2009 | 682.5 | 85.1 | 0.8 | 1.5 | 1.4 | 3.7 | 228.6 | 13.2 | 22.0 | 0.0 | 0.0 | 2.9 | 19.2 | 1,057.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 5,976 | 180 | 16,151 | 472 | 4,525 | 32,583 | 6,658 | 9,046 | 69,435 | 0 | 887 | NA |
| 1965 | 7,259 | 249 | 18,960 | 2,624 | 5,781 | 35,278 | 4,980 | 9,886 | 77,507 | 143 | 1,093 | NA |
| 1970 | 8,787 | 342 | 22,356 | 3,491 | 8,887 | 44,122 | 5,159 | 10,420 | 94,435 | 0 | 894 | NA |
| 1971 | 7,884 | 351 | 23,814 | 3,985 | 9,430 | 45,866 | 4,133 | 10,295 | 97,523 | 1,394 | 980 | NA |
| 1972 | 8,287 | 351 | 26,014 | 4,528 | 10,415 | 47,727 | 7,115 | 11,367 | 107,166 | 3,559 | 1,041 | NA |
| 1973 | 9,384 | 361 | 26,735 | 5,185 | 9,816 | 49,154 | 7,038 | 12,443 | 110,370 | 3,270 | 1,057 | NA |
| 1974 | 10,141 | 352 | 25,009 | 5,545 | 9,259 | 47,932 | 5,891 | 11,963 | 105,600 | 4,363 | 918 | NA |
| 1975 | 10,120 | 331 | 24,369 | 5,629 | 9,187 | 48,253 | 4,326 | 10,887 | 102,651 | 9,750 | 917 | NA |
| 1976 | 12,056 | 320 | 28,359 | 5,313 | 8,769 | 49,942 | 5,629 | 11,691 | 109,702 | 9,911 | 588 | NA |
| 1977 | 14,702 | 293 | 26,975 | 5,271 | 8,304 | 50,914 | 4,487 | 11,342 | 107,294 | 11,163 | 670 | NA |
| 1978 | 14,374 | 313 | 28,693 | 5,093 | 7,326 | 52,943 | 4,395 | 11,524 | 109,974 | 11,591 | 1,081 | NA |
| 1979 | 12,954 | 334 | 27,020 | 5,644 | 8,509 | 50,475 | 2,635 | 10,449 | 104,732 | 11,503 | 917 | NA |
| 1980 | 13,810 | 286 | 21,382 | 5,142 | 7,697 | 46,211 | 3,183 | 8,630 | 92,244 | 10,027 | 786 | NA |
| 1981 | 13,894 | 266 | 18,698 | 4,516 | 5,956 | 45,024 | 1,576 | 7,441 | 83,211 | 10,187 | 938 | 9 |
| 1982 | 12,115 | 262 | 20,900 | 4,261 | 7,492 | 44,877 | 1,693 | 7,527 | 86,750 | 10,197 | 1,006 | 11 |
| 1983 | 11,984 | 241 | 17,388 | 4,044 | 7,538 | 46,061 | 1,567 | 9,040 | 85,636 | 11,753 | 1,073 | 8 |
| 1984 | 13,258 | 256 | 19,099 | 7,331 | 4,983 | 48,051 | 1,109 | 9,269 | 89,842 | 8,328 | 971 | 6 |
| 1985 | 12,744 | 257 | 19,891 | 7,781 | 5,353 | 45,285 | 859 | 9,245 | 88,414 | 11,572 | 973 | 658 |
| 1986 | 11,327 | 245 | 19,275 | 7,801 | 6,280 | 45,776 | 1,797 | 9,840 | 90,769 | 11,052 | 1,081 | 812 |
| 1987 | 14,504 | 240 | 19,310 | 5,656 | 5,418 | 47,018 | 1,208 | 10,709 | 89,318 | 11,554 | 865 | 521 |
| 1988 | 17,285 | 284 | 20,497 | 5,142 | 5,621 | 48,813 | 1,277 | 10,769 | 92,118 | 12,288 | 677 | 418 |
| 1989 | 18,279 | 300 | 20,592 | 4,663 | 6,088 | 48,576 | 1,062 | 11,666 | 92,648 | 10,926 | 817 | 493 |
| 1990 | 18,377 | 291 | 19,576 | 5,099 | 5,966 | 47,760 | 961 | 12,912 | 92,275 | 12,139 | 857 | 577 |
| 1991 | 16,993 | 314 | 21,107 | 4,978 | 6,595 | 48,578 | 1,047 | 12,244 | 94,548 | 12,059 | 1,037 | 1,102 |
| 1992 | 16,924 | 309 | 21,270 | 6,621 | 8,008 | 49,693 | 1,176 | 13,489 | 100,256 | 11,166 | 1,063 | 1,729 |
| 1993 | 18,321 | 328 | 20,786 | 9,438 | 8,926 | 51,348 | 1,235 | 12,845 | 104,577 | 11,986 | 1,151 | 3,224 |
| 1994 | 18,729 | 324 | 22,035 | 9,780 | 9,445 | 52,540 | 1,085 | 13,423 | 108,308 | 12,224 | 1,139 | 3,690 |
| 1995 | 18,947 | 353 | 23,038 | 9,969 | 9,758 | 54,303 | 647 | 14,541 | 112,256 | 13,243 | 1,098 | 3,968 |
| 1996 | 19,703 | 368 | 24,016 | 10,625 | 12,018 | 54,866 | 783 | 15,694 | 118,003 | 12,095 | 1,187 | 3,023 |
| 1997 | 19,086 | 354 | 23,757 | 10,892 | 10,269 | 55,755 | 695 | 15,862 | 117,230 | 10,819 | 1,035 | 4,523 |
| 1998 | 19,958 | 331 | 24,606 | 10,709 | 7,410 | 58,106 | 515 | 15,174 | 116,520 | 11,644 | 955 | 5,063 |
| 1999 | 19,082 | 345 | 23,920 | 12,591 | 8,705 | 59,894 | 552 | 16,455 | 122,119 | 13,316 | 1,179 | 5,500 |
| 2000 | 20,735 | 362 | 24,846 | 13,301 | 9,844 | 61,120 | 930 | 15,570 | 125,610 | 12,960 | 931 | 5,589 |
| 2001 | 19,683 | 341 | 24,995 | 11,588 | 8,974 | 62,236 | 1,146 | 16,021 | 124,959 | 11,789 | 832 | 5,718 |
| 2002 | 20,455 | 372 | 24,636 | 11,064 | 11,302 | 63,503 | 992 | 14,756 | 126,254 | 13,685 | 809 | 6,190 |
| 2003 | 21,998 | 371 | 24,601 | 11,977 | 10,862 | 64,638 | 1,063 | 16,026 | 129,168 | 13,414 | 815 | 6,736 |
| 2004 | 21,382 | 360 | 26,457 | 12,505 | 11,662 | 64,804 | 1,461 | 16,133 | 133,021 | 13,296 | 738 | 6,403 |
| 2005 | 21,381 | 368 | 26,439 | 12,656 | 11,161 | 64,697 | 1,710 | 17,392 | 134,055 | 12,835 | 775 | 5,016 |
| 2006 | 20,935 | 353 | 26,035 | 11,773 | 10,363 | 64,432 | 851 | R 16,772 | R 130,225 | 13,183 | 572 | 4,621 |
| 2007 | 20,595 | 388 | 27,334 | 11,275 | 10,401 | 64,627 | 1,348 | R 16,193 | R 131,179 | 13,103 | 654 | 5,848 |
| 2008 | 20,182 | R 425 | R 26,864 | 10,238 | 9,702 | 62,903 | 1,966 | R 13,796 | R 125,470 | 12,997 | 727 | 6,235 |
| 2009 | 18,576 | 394 | 23,707 | 9,200 | 10,587 | 60,795 | 446 | 12,506 | 117,240 | 12,393 | 809 | 6,140 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 131.3 | 186.1 | 94.1 | 2.6 | 18.1 | 171.2 | 41.9 | 54.3 | 382.1 | 699.5 | *186.1* | *171.2* |
| 1965 | 160.0 | 248.2 | 110.4 | 14.8 | 23.2 | 185.3 | 31.3 | 60.1 | 425.1 | 833.4 | *248.2* | *185.3* |
| 1970 | 179.7 | 343.0 | 130.2 | 19.7 | 33.6 | 231.8 | 32.4 | 64.4 | 512.2 | 1,034.9 | *343.0* | *231.8* |
| 1971 | 155.6 | 352.1 | 138.7 | 22.5 | 35.6 | 240.9 | 26.0 | 63.7 | 527.4 | 1,035.2 | *352.1* | *240.9* |
| 1972 | 161.6 | 352.1 | 151.5 | 25.6 | 39.2 | 250.7 | 44.7 | 70.8 | 582.5 | 1,096.2 | *352.1* | *250.7* |
| 1973 | 180.7 | 360.5 | 155.7 | 29.3 | 36.8 | 258.2 | 44.2 | 77.7 | 602.0 | 1,143.2 | *360.5* | *258.2* |
| 1974 | 188.7 | 352.0 | 145.7 | 31.4 | 34.5 | 251.8 | 37.0 | 74.6 | 575.0 | 1,115.7 | *352.0* | *251.8* |
| 1975 | 191.5 | 331.5 | 141.9 | 31.9 | 34.1 | 253.5 | 27.2 | 67.6 | 556.2 | 1,079.2 | *331.5* | *253.5* |
| 1976 | 222.4 | 319.5 | 165.2 | 30.1 | 32.5 | 262.3 | 35.4 | 73.0 | 598.5 | 1,140.5 | *319.5* | *262.3* |
| 1977 | 264.9 | 292.5 | 157.1 | 29.8 | 30.5 | 267.5 | 28.2 | 70.9 | 584.0 | 1,141.5 | *292.5* | *267.5* |
| 1978 | 255.7 | 312.2 | 167.1 | 28.8 | 26.9 | 278.1 | 27.6 | 72.1 | 600.7 | 1,168.6 | *312.2* | *278.1* |
| 1979 | 229.5 | 332.6 | 157.4 | 31.9 | 31.3 | 265.1 | 16.6 | 65.6 | 567.9 | 1,130.0 | *332.6* | *265.1* |
| 1980 | 242.4 | 284.9 | 124.5 | 29.1 | 28.3 | 242.7 | 20.0 | 53.7 | 498.4 | 1,025.7 | *285.0* | *242.7* |
| 1981 | 244.2 | 264.8 | 108.9 | 25.5 | 21.7 | 236.5 | 9.9 | 47.4 | 450.0 | 959.0 | *265.0* | *236.5* |
| 1982 | 212.5 | 263.0 | 121.7 | 24.1 | 27.1 | 235.7 | 10.6 | 47.9 | 467.2 | 942.7 | *263.3* | *235.7* |
| 1983 | 211.2 | 246.3 | 101.3 | 22.9 | 27.2 | 242.0 | 9.9 | 57.4 | 460.6 | 918.1 | *246.3* | *242.0* |
| 1984 | 231.4 | 256.4 | 111.2 | 41.5 | 17.9 | 252.4 | 7.0 | 58.6 | 488.6 | 976.4 | *256.4* | *252.4* |
| 1985 | 226.1 | 258.5 | 115.9 | 44.1 | 19.3 | 237.9 | 5.4 | 58.9 | 481.4 | 966.0 | *258.5* | *237.9* |
| 1986 | 201.4 | 244.5 | 112.3 | 44.2 | 22.9 | 240.5 | 11.3 | 62.9 | 494.0 | 939.9 | *244.5* | *240.5* |
| 1987 | 256.0 | 239.7 | 112.5 | 32.0 | 19.8 | 247.0 | 7.6 | 68.1 | 487.0 | 982.7 | *239.8* | *247.0* |
| 1988 | 303.6 | 285.4 | 119.4 | 29.1 | 20.5 | 256.4 | 8.0 | 67.7 | 501.2 | 1,090.2 | *285.8* | *256.4* |
| 1989 | 324.9 | 301.4 | 119.9 | 26.4 | 22.4 | 255.2 | 6.7 | 72.9 | 503.5 | 1,129.8 | *301.7* | *255.2* |
| 1990 | 325.5 | 291.8 | 114.0 | 28.9 | 21.6 | 250.9 | 6.0 | 81.1 | 502.6 | 1,119.8 | *291.8* | *250.9* |
| 1991 | 301.5 | 318.2 | 122.9 | 28.2 | 23.8 | 255.2 | 6.6 | 76.3 | 513.0 | 1,132.7 | *318.2* | *255.2* |
| 1992 | 300.8 | 312.2 | 123.9 | 37.5 | 29.0 | 261.0 | 7.4 | 83.7 | 542.5 | 1,155.4 | *312.2* | *261.0* |
| 1993 | 325.9 | 331.5 | 121.1 | 53.5 | 32.2 | R 258.5 | 7.8 | 79.7 | R 552.7 | R 1,210.1 | *331.6* | *269.7* |
| 1994 | 332.8 | 327.1 | 128.4 | 55.4 | 34.3 | R 262.0 | 6.8 | 83.0 | R 569.9 | R 1,229.8 | *327.4* | *274.8* |
| 1995 | 338.0 | 357.5 | 134.2 | 56.5 | 35.4 | R 269.4 | 4.1 | 90.8 | R 590.4 | R 1,285.8 | *357.7* | *283.2* |
| 1996 | 354.6 | 374.3 | 139.9 | 60.2 | 43.4 | R 275.7 | 4.9 | 98.1 | R 622.3 | R 1,351.2 | *375.0* | *286.2* |
| 1997 | 341.6 | 360.3 | 138.4 | 61.8 | 37.1 | R 275.0 | 4.4 | 99.1 | R 615.7 | R 1,317.6 | *360.4* | *290.6* |
| 1998 | 357.0 | 337.1 | 143.3 | 60.7 | 26.8 | R 285.3 | 3.2 | 95.3 | R 614.6 | R 1,308.7 | *337.1* | *302.8* |
| 1999 | 341.5 | 351.1 | 139.3 | 71.4 | 31.5 | R 293.0 | 3.5 | 103.4 | R 642.1 | R 1,334.7 | *351.1* | *312.1* |
| 2000 | 373.8 | 367.4 | 144.7 | 75.4 | 35.5 | R 299.0 | 5.8 | 98.0 | R 658.6 | R 1,399.7 | *367.5* | *318.4* |
| 2001 | 353.3 | 344.9 | 145.6 | 65.7 | 32.4 | R 304.4 | 7.2 | 99.8 | R 655.1 | R 1,353.3 | *345.0* | *324.2* |
| 2002 | 360.8 | 374.2 | 143.5 | 62.7 | 40.8 | R 309.2 | 6.2 | 91.6 | R 654.2 | R 1,389.2 | *374.2* | *330.7* |
| 2003 | 390.7 | 374.2 | 143.3 | 67.9 | 39.4 | R 313.2 | 6.7 | 99.7 | R 670.2 | R 1,435.1 | *374.2* | *336.6* |
| 2004 | 378.8 | 362.3 | 154.1 | 70.9 | 42.2 | R 315.7 | 9.2 | 100.5 | R 692.7 | R 1,433.8 | *362.4* | *338.0* |
| 2005 | 379.1 | 372.1 | 154.0 | 71.8 | 40.4 | R 320.2 | 10.7 | 108.6 | R 705.7 | R 1,456.9 | *372.2* | *337.6* |
| 2006 | 370.8 | 358.2 | 151.7 | 66.8 | 37.4 | R 320.2 | 5.3 | R 104.5 | R 685.7 | R 1,414.8 | *358.2* | *336.2* |
| 2007 | 366.2 | 396.0 | 159.2 | 63.9 | 37.4 | R 317.0 | 8.5 | R 100.9 | R 686.8 | R 1,449.1 | *396.1* | *337.3* |
| 2008 | 359.4 | R 435.1 | R 156.5 | 58.1 | 34.9 | R 306.6 | 12.4 | R 85.7 | R 654.2 | R 1,448.6 | R *435.1* | *328.2* |
| 2009 | 328.7 | 405.5 | 138.1 | 52.2 | 37.7 | 296.0 | 2.8 | 77.6 | 604.3 | 1,338.5 | *405.6* | *317.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 9.5 | 25.4 | NA | NA | 25.4 | 0.0 | NA | NA | 35.0 | -10.9 | 0.3 | R 723.8 |
| 1965 | 1.7 | 11.4 | 23.4 | NA | NA | 23.4 | 0.0 | NA | NA | 34.8 | -3.9 | 0.4 | R 866.3 |
| 1970 | 0.0 | 9.4 | 23.4 | NA | NA | 23.4 | 0.0 | NA | NA | 32.8 | R 39.4 | 0.4 | R 1,107.6 |
| 1971 | 15.1 | 10.3 | 23.5 | NA | NA | 23.5 | 0.0 | NA | NA | 33.8 | R 63.6 | 0.5 | R 1,148.1 |
| 1972 | 38.4 | 10.8 | 24.9 | NA | NA | 24.9 | 0.0 | NA | NA | 35.7 | R 38.5 | 0.4 | R 1,209.3 |
| 1973 | 35.7 | 11.0 | 25.5 | NA | NA | 25.5 | 0.0 | NA | NA | 36.5 | R 41.2 | 0.6 | R 1,257.2 |
| 1974 | 48.7 | 9.6 | 26.3 | NA | NA | 26.3 | 0.0 | NA | NA | 35.9 | R 36.6 | 0.2 | R 1,237.0 |
| 1975 | 107.4 | 9.5 | 27.4 | NA | NA | 27.4 | 0.0 | NA | NA | 36.9 | R 21.3 | 0.6 | R 1,245.5 |
| 1976 | 109.5 | 6.1 | 29.5 | NA | NA | 29.5 | 0.0 | NA | NA | 35.6 | R 6.6 | 0.7 | R 1,292.9 |
| 1977 | 120.2 | 7.0 | 29.7 | NA | NA | 29.7 | 0.0 | NA | NA | 36.7 | R -42.5 | 0.6 | R 1,256.6 |
| 1978 | 126.8 | 11.2 | 39.0 | NA | NA | 39.0 | 0.0 | NA | NA | 50.2 | R 0.1 | 4.4 | R 1,350.1 |
| 1979 | 125.1 | 9.5 | 44.5 | NA | NA | 44.5 | 0.0 | NA | NA | 53.9 | R 35.1 | 6.2 | R 1,350.5 |
| 1980 | 109.4 | 8.2 | 46.6 | NA | NA | 46.6 | 0.0 | NA | NA | 54.8 | R 31.1 | 3.3 | R 1,224.3 |
| 1981 | 112.4 | 9.8 | 46.8 | (s) | 0.0 | 46.8 | 0.0 | NA | NA | 56.6 | R 48.1 | 0.3 | R 1,176.4 |
| 1982 | 112.9 | 10.5 | 48.4 | (s) | 0.0 | 48.5 | 0.0 | NA | NA | 59.0 | R 71.7 | 0.9 | R 1,187.2 |
| 1983 | 128.2 | 11.3 | 51.4 | (s) | 0.0 | 51.4 | 0.0 | NA | 0.0 | 62.7 | R 79.8 | 1.4 | R 1,190.1 |
| 1984 | 90.3 | 10.1 | 55.9 | (s) | 0.0 | 55.9 | 0.0 | 0.0 | 0.0 | 66.0 | R 115.3 | 3.4 | R 1,251.4 |
| 1985 | 122.9 | 10.2 | 56.3 | 2.3 | 0.0 | 58.6 | 0.0 | 0.0 | 0.0 | 68.8 | R 91.2 | 9.1 | R 1,258.0 |
| 1986 | 116.9 | 11.3 | 52.2 | 2.8 | 0.2 | 55.2 | 0.0 | 0.0 | 0.0 | R 66.4 | R 99.0 | 23.4 | R 1,245.7 |
| 1987 | 120.6 | 9.0 | 49.5 | 1.8 | 0.2 | 51.5 | 0.0 | 0.0 | 0.0 | R 60.5 | R 80.6 | 6.6 | R 1,251.1 |
| 1988 | 130.3 | 7.0 | 52.8 | 1.5 | 0.2 | 54.5 | 0.0 | 0.0 | (s) | R 61.4 | R 78.6 | -5.7 | R 1,354.9 |
| 1989 | 115.6 | 8.5 | 52.9 | 1.7 | 0.7 | 55.4 | 0.1 | 0.3 | (s) | R 64.3 | R 84.2 | -1.5 | R 1,392.4 |
| 1990 | 128.5 | 8.9 | 48.8 | 2.0 | 0.7 | 51.6 | 0.1 | 0.3 | (s) | 61.0 | R 75.6 | 2.5 | R 1,387.4 |
| 1991 | 126.4 | 10.8 | 49.4 | 3.8 | 1.1 | R 54.3 | 0.2 | 0.3 | (s) | R 65.7 | R 96.9 | 9.7 | R 1,431.4 |
| 1992 | 116.9 | 11.0 | 52.8 | 6.0 | 2.3 | R 61.1 | 0.2 | R 0.3 | (s) | R 72.6 | R 82.7 | 18.5 | R 1,446.2 |
| 1993 | 125.9 | 11.9 | 52.1 | 11.2 | 2.4 | R 65.8 | 0.2 | R 0.3 | (s) | R 78.2 | R 73.3 | 21.3 | R 1,508.7 |
| 1994 | 127.8 | 11.7 | 53.4 | 12.8 | 2.6 | R 68.9 | 0.2 | R 0.3 | 0.4 | R 81.5 | R 79.0 | 26.4 | R 1,544.6 |
| 1995 | 139.1 | 11.3 | 56.2 | 13.8 | 3.2 | R 73.2 | 0.2 | 0.4 | 0.6 | R 85.7 | R 93.8 | 28.8 | R 1,633.3 |
| 1996 | 127.0 | 12.3 | 57.1 | 10.5 | 4.3 | R 72.0 | 0.2 | 0.4 | 0.5 | R 85.3 | R 110.5 | 30.2 | R 1,704.2 |
| 1997 | 113.5 | 10.6 | 55.6 | 15.7 | 6.9 | R 78.3 | 0.2 | 0.4 | 0.6 | R 90.0 | R 125.3 | 33.7 | R 1,680.2 |
| 1998 | 122.2 | 9.7 | 50.9 | 17.6 | 7.6 | R 76.1 | 0.2 | 0.4 | 1.5 | R 87.9 | R 123.3 | 27.1 | R 1,669.2 |
| 1999 | 139.1 | 12.1 | 50.7 | 19.1 | 11.7 | R 81.4 | 0.2 | 0.3 | 5.0 | R 99.0 | R 133.8 | 20.5 | R 1,727.1 |
| 2000 | 135.2 | 9.5 | 54.6 | 19.4 | 13.4 | R 87.4 | 0.2 | 0.3 | 7.4 | R 104.9 | R 128.7 | 26.9 | R 1,795.4 |
| 2001 | 123.1 | 8.6 | 54.4 | 19.8 | 15.4 | R 89.6 | 0.3 | 0.3 | 9.3 | R 108.0 | R 146.0 | 28.2 | R 1,758.6 |
| 2002 | 142.9 | 8.2 | 46.3 | 21.5 | 18.2 | R 86.0 | 0.3 | R 0.2 | 9.2 | R 103.9 | R 145.4 | 14.2 | R 1,795.7 |
| 2003 | 139.8 | 8.3 | 43.9 | 23.4 | 21.6 | R 88.9 | 0.4 | 0.2 | 10.0 | R 107.8 | R 135.6 | -8.6 | R 1,809.7 |
| 2004 | 138.6 | 7.4 | 52.8 | 22.2 | 23.8 | R 98.8 | 0.4 | 0.2 | 8.1 | R 114.9 | R 146.7 | 8.9 | R 1,842.9 |
| 2005 | 133.9 | 7.7 | 57.1 | 17.4 | 24.7 | R 99.3 | 0.4 | 0.2 | 15.8 | R 123.4 | R 135.3 | 26.5 | R 1,876.0 |
| 2006 | 137.6 | 5.7 | R 53.8 | 16.0 | 32.0 | R 101.8 | 0.5 | 0.2 | 20.4 | R 128.6 | R 143.2 | 27.0 | R 1,851.2 |
| 2007 | 137.4 | 6.5 | R 63.7 | 20.3 | 34.2 | R 118.2 | 0.6 | 0.2 | 26.1 | R 151.5 | R 143.5 | 23.4 | R 1,904.9 |
| 2008 | 135.9 | 7.2 | R 64.3 | 21.6 | 41.0 | R 127.0 | 0.7 | 0.3 | 42.9 | R 178.1 | R 148.0 | 26.5 | R 1,937.0 |
| 2009 | 129.6 | 7.9 | 66.6 | 21.3 | 53.6 | 141.4 | 0.9 | 0.3 | 49.3 | 199.8 | 114.9 | 26.6 | 1,809.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 3,543 | 131 | 15,994 | 472 | 4,525 | 32,583 | 6,419 | 9,046 | 69,040 | 156 | – – | – – | – – | – – | 8,821 | – – | – – | – – |
| 1965 | 3,402 | 197 | 18,777 | 2,624 | 5,781 | 35,278 | 4,702 | 9,886 | 77,047 | 178 | – – | – – | – – | – – | 12,766 | – – | – – | – – |
| 1970 | 2,595 | 283 | 21,805 | 3,491 | 8,887 | 44,122 | 4,316 | 10,277 | 92,898 | 168 | – – | – – | – – | – – | 20,715 | – – | – – | – – |
| 1975 | 2,525 | 308 | 23,695 | 5,629 | 9,187 | 48,253 | 3,475 | 10,828 | 101,067 | 189 | – – | – – | – – | – – | 26,313 | – – | – – | – – |
| 1980 | 1,200 | 278 | 21,215 | 5,142 | 7,697 | 46,211 | 2,821 | 8,630 | 91,716 | 145 | – – | – – | – – | – – | 32,998 | – – | – – | – – |
| 1985 | 1,247 | 256 | 19,842 | 7,781 | 5,353 | 45,285 | 859 | 9,245 | 88,365 | 145 | – – | – – | – – | – – | 38,664 | – – | – – | – – |
| 1990 | 1,462 | 285 | 19,485 | 5,099 | 5,966 | 47,760 | 959 | 12,185 | 91,455 | 172 | – – | – – | – – | – – | 47,167 | – – | – – | – – |
| 1995 | 1,665 | 345 | 22,904 | 9,969 | 9,758 | 54,303 | 647 | 13,771 | 111,352 | 224 | – – | – – | – – | – – | 53,959 | – – | – – | – – |
| 2000 | 2,097 | 352 | 24,599 | 13,301 | 9,844 | 61,120 | 929 | 14,490 | 124,283 | 248 | – – | – – | – – | – – | 59,782 | – – | – – | – – |
| 2001 | 1,255 | 330 | 24,796 | 11,588 | 8,974 | 62,236 | 1,096 | 15,041 | 123,731 | 186 | – – | – – | – – | – – | 60,687 | – – | – – | – – |
| 2002 | 1,367 | 358 | 24,541 | 11,064 | 11,302 | 63,503 | 987 | 13,701 | 125,100 | 45 | – – | – – | – – | – – | 62,162 | – – | – – | – – |
| 2003 | 1,269 | 355 | 24,395 | 11,977 | 10,862 | 64,638 | 1,022 | 14,715 | 127,610 | 93 | – – | – – | – – | – – | 63,087 | – – | – – | – – |
| 2004 | 1,312 | 347 | 26,327 | 12,505 | 11,662 | 64,804 | 1,399 | 14,928 | 131,625 | 132 | – – | – – | – – | – – | 63,340 | – – | – – | – – |
| 2005 | 1,372 | 342 | 26,207 | 12,656 | 11,161 | 64,697 | 1,631 | 16,283 | 132,635 | 130 | – – | – – | – – | – – | 66,019 | – – | – – | – – |
| 2006 | 1,362 | 328 | 25,886 | 11,773 | 10,363 | 64,432 | 829 | 16,015 | 129,297 | 96 | – – | – – | – – | – – | 66,770 | – – | – – | – – |
| 2007 | 1,417 | 354 | 26,937 | 11,275 | 10,401 | 64,627 | 1,278 | 15,857 | 130,375 | 96 | – – | – – | – – | – – | 68,231 | – – | – – | – – |
| 2008 | 1,419 | 400 | 26,707 | 10,238 | 9,702 | 62,903 | 1,942 | 13,519 | 125,012 | 118 | – – | – – | – – | – – | 68,792 | – – | – – | – – |
| 2009 | 1,221 | 370 | 23,584 | 9,200 | 10,587 | 60,795 | 440 | 12,506 | 117,113 | 134 | – – | – – | – – | – – | 64,004 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 76.8 | 135.9 | 93.2 | 2.6 | 18.1 | 171.2 | 40.4 | 54.3 | 379.7 | 1.7 | 25.3 | NA | NA | NA | 30.1 | 649.4 | 74.4 | 723.8 |
| 1965 | 74.4 | 196.9 | 109.4 | 14.8 | 23.2 | 185.3 | 29.6 | 60.1 | 422.3 | 1.9 | 23.2 | NA | NA | NA | 43.6 | 762.3 | 104.0 | 866.3 |
| 1970 | 54.2 | 283.9 | 127.0 | 19.7 | 33.6 | 231.8 | 27.1 | 63.6 | 502.8 | 1.8 | 23.2 | NA | NA | NA | 70.7 | 936.6 | 171.0 | 1,107.6 |
| 1975 | 55.2 | 309.2 | 138.0 | 31.9 | 34.1 | 253.5 | 21.8 | 67.3 | 546.6 | 2.0 | 27.4 | NA | NA | NA | 89.8 | 1,030.1 | 215.4 | 1,245.5 |
| 1980 | 21.0 | 277.0 | 123.6 | 29.1 | 28.3 | 242.7 | 17.7 | 53.7 | 495.1 | 1.5 | 46.6 | NA | NA | NA | 112.6 | 953.8 | 270.5 | 1,224.3 |
| 1985 | 25.5 | 257.2 | 115.6 | 44.1 | 19.3 | 237.9 | 5.4 | 58.9 | 481.2 | 1.5 | 56.3 | 0.0 | NA | NA | 131.9 | 955.8 | 302.1 | 1,258.0 |
| 1990 | 27.0 | 286.4 | 113.5 | 28.9 | 21.6 | 250.9 | 6.0 | 76.7 | 497.7 | 1.8 | 41.1 | 0.7 | 0.1 | 0.3 | 160.9 | 1,018.1 | 369.3 | 1,387.4 |
| 1995 | 32.1 | 349.3 | 133.4 | 56.5 | 35.4 | 283.2 | 4.1 | 86.2 | 598.7 | 2.3 | 47.6 | 3.2 | 0.2 | 0.4 | 184.1 | 1,217.7 | 415.6 | 1,633.3 |
| 2000 | 40.5 | 357.4 | 143.3 | 75.4 | 35.5 | 318.4 | 5.8 | 91.5 | 670.0 | 2.5 | 45.8 | 13.4 | 0.2 | 0.3 | 204.0 | 1,334.1 | 461.3 | 1,795.4 |
| 2001 | 24.4 | 334.2 | 144.4 | 65.7 | 32.4 | 324.2 | 6.9 | 93.9 | 667.6 | 1.9 | 48.9 | 15.4 | 0.2 | 0.3 | 207.1 | 1,299.9 | 458.8 | 1,758.6 |
| 2002 | 26.2 | 360.9 | 143.0 | 62.7 | 40.8 | 330.7 | 6.2 | 85.3 | 668.7 | 0.5 | 38.5 | 18.2 | 0.3 | 0.2 | 212.1 | 1,325.7 | 470.0 | 1,795.7 |
| 2003 | 24.0 | 357.4 | 142.1 | 67.9 | 39.4 | 336.6 | 6.4 | 91.8 | 684.2 | 1.0 | 33.5 | 21.6 | 0.4 | 0.2 | 215.3 | 1,337.5 | 472.2 | 1,809.7 |
| 2004 | 24.9 | 349.6 | 153.4 | 70.9 | 42.2 | 338.0 | 8.8 | 93.3 | 706.5 | 1.3 | 44.8 | 23.8 | 0.4 | 0.2 | 216.1 | 1,367.6 | 475.3 | 1,842.9 |
| 2005 | 26.1 | 346.0 | 152.7 | 71.8 | 40.4 | 337.6 | 10.3 | 101.9 | 714.6 | 1.3 | 47.8 | 24.7 | 0.4 | 0.2 | 225.3 | 1,386.2 | 489.8 | 1,876.0 |
| 2006 | 25.7 | 333.1 | 150.8 | 66.8 | 37.4 | 336.2 | 5.2 | 99.9 | 696.2 | 1.0 | 44.9 | 32.0 | 0.5 | 0.2 | 227.8 | 1,361.4 | 489.8 | 1,851.2 |
| 2007 | 27.0 | 361.0 | 156.9 | 63.9 | 37.4 | 337.3 | 8.0 | 98.9 | 702.4 | 0.9 | 46.5 | 34.2 | 0.6 | 0.2 | 232.8 | 1,405.6 | 499.4 | 1,904.9 |
| 2008 | 27.2 | 409.9 | 155.6 | 58.1 | 34.9 | 328.2 | 12.2 | 84.1 | 673.1 | 1.2 | 46.6 | 41.0 | 0.7 | 0.3 | 234.7 | 1,434.6 | 502.4 | 1,937.0 |
| 2009 | 23.4 | 381.6 | 137.4 | 52.2 | 37.7 | 317.2 | 2.8 | 77.6 | 624.8 | 1.3 | 45.7 | 53.6 | 0.9 | 0.3 | 218.4 | 1,350.0 | 459.5 | 1,809.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 557 | 61 | 5,414 | 1,748 | 3,192 | 10,354 | 878 | – – | – – | 4,186 | – – | – – | – – |
| 1965 | 352 | 86 | 6,309 | 1,556 | 4,152 | 12,017 | 682 | – – | – – | 6,063 | – – | – – | – – |
| 1970 | 320 | 102 | 7,197 | 1,195 | 6,563 | 14,955 | 560 | – – | – – | 9,031 | – – | – – | – – |
| 1975 | 70 | 114 | 7,242 | 558 | 6,203 | 14,004 | 563 | – – | – – | 10,189 | – – | – – | – – |
| 1980 | 30 | 103 | 5,946 | 114 | 3,008 | 9,069 | 745 | – – | – – | 11,749 | – – | – – | – – |
| 1985 | 48 | 107 | 3,973 | 137 | 2,465 | 6,574 | 957 | – – | – – | 13,261 | – – | – – | – – |
| 1990 | 36 | 107 | 3,743 | 30 | 3,012 | 6,786 | 562 | – – | – – | 14,858 | – – | – – | – – |
| 1995 | 34 | 129 | 3,085 | 50 | 4,567 | 7,702 | 498 | – – | – – | 16,974 | – – | – – | – – |
| 1996 | 19 | 142 | 3,451 | 61 | 6,130 | 9,642 | 517 | – – | – – | 17,157 | – – | – – | – – |
| 1997 | 12 | 129 | 2,932 | 52 | 5,803 | 8,787 | 404 | – – | – – | 17,073 | – – | – – | – – |
| 1998 | 5 | 110 | 2,542 | 73 | 4,033 | 6,648 | 359 | – – | – – | 17,378 | – – | – – | – – |
| 1999 | 2 | 119 | 2,102 | 32 | 4,984 | 7,118 | 378 | – – | – – | 17,998 | – – | – – | – – |
| 2000 | 1 | 130 | 2,294 | 33 | 5,583 | 7,910 | 406 | – – | – – | 18,629 | – – | – – | – – |
| 2001 | (s) | 125 | 2,288 | 188 | 4,890 | 7,365 | 399 | – – | – – | 19,400 | – – | – – | – – |
| 2002 | 13 | 135 | 2,216 | 16 | 4,705 | 6,937 | 405 | – – | – – | 20,451 | – – | – – | – – |
| 2003 | (s) | 138 | 2,342 | 18 | 5,884 | 8,245 | 427 | – – | – – | 20,638 | – – | – – | – – |
| 2004 | (s) | 133 | 2,351 | 28 | 5,370 | 7,748 | 437 | – – | – – | 20,507 | – – | – – | – – |
| 2005 | 6 | 129 | 1,956 | 27 | 5,197 | 7,181 | R 533 | – – | – – | 21,743 | – – | – – | – – |
| 2006 | 8 | 117 | 1,541 | 18 | 4,894 | 6,454 | R 485 | – – | – – | 21,909 | – – | – – | – – |
| 2007 | 6 | 129 | 1,544 | 11 | 5,111 | 6,666 | R 535 | – – | – – | 22,646 | – – | – – | – – |
| 2008 | 6 | 139 | R 1,466 | 7 | 5,307 | R 6,780 | R 560 | – – | – – | 22,355 | – – | – – | – – |
| 2009 | 5 | 133 | 1,044 | 18 | 5,377 | 6,439 | 535 | – – | – – | 22,034 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 12.2 | 63.6 | 31.5 | 9.9 | 12.8 | 54.3 | 17.6 | NA | NA | 14.3 | 161.9 | 35.3 | 197.2 |
| 1965 | 7.7 | 86.3 | 36.7 | 8.8 | 16.7 | 62.2 | 13.6 | NA | NA | 20.7 | 190.5 | 49.4 | 239.9 |
| 1970 | 6.8 | 102.0 | 41.9 | 6.8 | 24.8 | 73.5 | 11.2 | NA | NA | 30.8 | 224.2 | R 74.5 | 298.8 |
| 1975 | 1.3 | 114.7 | 42.2 | 3.2 | 23.0 | 68.4 | 11.3 | NA | NA | 34.8 | 230.4 | R 83.4 | R 313.8 |
| 1980 | 0.6 | 103.1 | 34.6 | 0.6 | 11.1 | 46.3 | 14.9 | NA | NA | 40.1 | 205.0 | R 96.3 | R 301.3 |
| 1985 | 0.9 | 107.1 | 23.1 | 0.8 | 8.9 | 32.8 | 19.1 | NA | NA | 45.2 | 205.2 | R 103.6 | R 308.8 |
| 1990 | 0.6 | 107.4 | 21.8 | 0.2 | 10.9 | 32.9 | 11.2 | 0.1 | 0.3 | 50.7 | 203.3 | R 116.3 | R 319.6 |
| 1995 | 0.7 | 130.4 | 18.0 | 0.3 | 16.5 | 34.8 | 10.0 | 0.2 | 0.4 | 57.9 | 234.3 | R 130.7 | R 365.0 |
| 1996 | 0.3 | 144.9 | 20.1 | 0.3 | 22.1 | 42.6 | 10.3 | 0.2 | 0.4 | 58.5 | 257.0 | R 132.3 | R 389.3 |
| 1997 | 0.2 | 131.2 | 17.1 | 0.3 | 21.0 | 38.4 | 8.1 | 0.2 | 0.4 | 58.3 | 236.6 | R 131.1 | R 367.7 |
| 1998 | 0.1 | 112.5 | 14.8 | 0.4 | 14.6 | 29.8 | 7.2 | 0.2 | 0.4 | 59.3 | 209.4 | R 133.6 | R 343.0 |
| 1999 | (s) | 121.2 | 12.2 | 0.2 | 18.0 | 30.4 | 7.6 | 0.2 | 0.3 | 61.4 | 221.2 | R 139.6 | R 360.8 |
| 2000 | (s) | 131.7 | 13.4 | 0.2 | 20.1 | 33.7 | 8.1 | 0.2 | 0.3 | 63.6 | 237.6 | R 143.8 | R 381.4 |
| 2001 | (s) | 126.3 | 13.3 | 1.1 | 17.7 | 32.1 | 8.0 | 0.3 | 0.3 | 66.2 | 233.1 | R 146.7 | R 379.7 |
| 2002 | 0.2 | 136.2 | 12.9 | 0.1 | 17.0 | 30.0 | 8.1 | 0.3 | R 0.2 | 69.8 | 244.8 | R 154.6 | R 399.4 |
| 2003 | (s) | 139.1 | 13.6 | 0.1 | 21.4 | 35.1 | 8.5 | 0.4 | 0.2 | 70.4 | 253.7 | R 154.5 | R 408.2 |
| 2004 | (s) | 133.8 | 13.7 | 0.2 | 19.4 | 33.3 | 8.7 | 0.4 | 0.2 | 70.0 | 246.4 | R 153.9 | R 400.3 |
| 2005 | 0.1 | 130.2 | 11.4 | 0.2 | 18.8 | 30.4 | R 10.7 | 0.4 | 0.2 | 74.2 | 246.1 | R 161.3 | R 407.4 |
| 2006 | 0.1 | 119.1 | 9.0 | 0.1 | 17.6 | 26.7 | 9.7 | 0.5 | 0.2 | 74.8 | 231.1 | R 160.7 | R 391.8 |
| 2007 | 0.1 | 131.6 | 9.0 | 0.1 | 18.4 | 27.4 | 10.7 | 0.6 | 0.2 | 77.3 | R 247.9 | R 165.7 | R 413.6 |
| 2008 | 0.1 | 142.8 | 8.5 | (s) | 19.1 | R 27.7 | 11.2 | 0.7 | 0.3 | 76.3 | 259.0 | R 163.3 | R 422.3 |
| 2009 | 0.1 | 137.4 | 6.1 | 0.1 | 19.1 | 25.3 | 10.7 | 0.9 | 0.3 | 75.2 | 249.9 | 158.2 | 408.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 387 | 20 | 1,323 | 378 | 464 | 142 | 634 | 2,942 | NA | – – | – – | 1,540 | – – | – – | – – |
| 1965 | 265 | 27 | 1,542 | 337 | 604 | 158 | 414 | 3,055 | NA | – – | – – | 2,026 | – – | – – | – – |
| 1970 | 252 | 77 | 1,759 | 259 | 955 | 235 | 393 | 3,601 | NA | – – | – – | 3,178 | – – | – – | – – |
| 1975 | 163 | 90 | 1,770 | 121 | 902 | 355 | 223 | 3,372 | NA | – – | – – | 4,845 | – – | – – | – – |
| 1980 | 113 | 64 | 1,443 | 0 | 438 | 340 | 32 | 2,252 | NA | – – | – – | 5,724 | – – | – – | – – |
| 1985 | 171 | 77 | 2,845 | 24 | 359 | 335 | 223 | 3,786 | NA | – – | – – | 7,469 | – – | – – | – – |
| 1990 | 143 | 78 | 1,091 | 5 | 438 | 1,568 | 259 | 3,362 | 0 | – – | – – | 8,813 | – – | – – | – – |
| 1995 | 229 | 91 | 862 | 23 | 664 | 50 | 111 | 1,711 | 0 | – – | – – | 10,407 | – – | – – | – – |
| 1996 | 137 | 99 | 1,014 | 27 | 892 | 50 | 138 | 2,120 | 0 | – – | – – | 10,850 | – – | – – | – – |
| 1997 | 94 | 92 | 873 | 26 | 844 | 1,010 | 160 | 2,913 | 0 | – – | – – | 10,888 | – – | – – | – – |
| 1998 | 37 | 82 | 843 | 31 | 587 | 988 | 161 | 2,610 | 0 | – – | – – | 11,152 | – – | – – | – – |
| 1999 | 13 | 88 | 889 | 20 | 725 | 50 | 155 | 1,838 | 0 | – – | – – | 11,637 | – – | – – | – – |
| 2000 | 5 | 95 | 889 | 54 | 812 | 50 | 137 | 1,942 | 0 | – – | – – | 12,311 | – – | – – | – – |
| 2001 | 1 | 94 | 1,134 | 35 | 711 | 52 | 218 | 2,151 | 0 | – – | – – | 20,520 | – – | – – | – – |
| 2002 | 93 | 104 | 821 | 22 | 685 | 52 | 195 | 1,775 | 0 | – – | – – | 20,197 | – – | – – | – – |
| 2003 | 1 | 101 | 738 | 14 | 966 | 794 | 342 | 2,854 | 0 | – – | – – | 20,533 | – – | – – | – – |
| 2004 | (s) | 97 | 804 | 10 | 746 | 52 | 449 | 2,062 | 0 | – – | – – | 20,407 | – – | – – | – – |
| 2005 | 67 | 96 | 1,002 | 14 | 709 | 53 | 306 | 2,083 | 0 | – – | – – | 21,985 | – – | – – | – – |
| 2006 | 83 | 87 | 666 | 12 | 680 | 1,378 | 235 | 2,971 | 0 | – – | – – | 22,175 | – – | – – | – – |
| 2007 | 57 | 91 | 727 | 10 | 581 | 941 | 88 | 2,347 | 0 | – – | – – | 22,523 | – – | – – | – – |
| 2008 | 54 | 100 | R 861 | 6 | 959 | 861 | 150 | R 2,837 | 0 | – – | – – | 22,604 | – – | – – | – – |
| 2009 | 48 | 96 | 1,074 | 3 | 789 | 654 | 187 | 2,708 | 0 | – – | – – | 22,311 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 8.5 | 21.0 | 7.7 | 2.1 | 1.9 | 0.7 | 4.0 | 16.4 | NA | 0.3 | NA | 5.3 | 51.6 | 13.0 | 64.6 |
| 1965 | 5.8 | 26.8 | 9.0 | 1.9 | 2.4 | 0.8 | 2.6 | 16.7 | NA | 0.3 | NA | 6.9 | 56.5 | 16.5 | R 73.0 |
| 1970 | 5.3 | 76.7 | 10.2 | 1.5 | 3.6 | 1.2 | 2.5 | 19.0 | NA | 0.2 | NA | 10.8 | 112.1 | 26.2 | 138.4 |
| 1975 | 3.1 | 89.9 | 10.3 | 0.7 | 3.4 | 1.9 | 1.4 | 17.6 | NA | 0.2 | NA | 16.5 | 127.3 | R 39.6 | R 167.0 |
| 1980 | 2.4 | 63.6 | 8.4 | 0.0 | 1.6 | 1.8 | 0.2 | 12.0 | NA | 0.4 | NA | 19.5 | 97.8 | R 46.9 | R 144.8 |
| 1985 | 3.3 | 77.3 | 16.6 | 0.1 | 1.3 | 1.8 | 1.4 | 21.2 | NA | 0.5 | NA | 25.5 | 127.7 | R 58.4 | R 186.1 |
| 1990 | 2.6 | 78.3 | 6.4 | (s) | 1.6 | 8.2 | 1.6 | 17.8 | 0.0 | 1.9 | 0.0 | 30.1 | 130.7 | R 69.0 | R 199.7 |
| 1995 | 4.6 | 91.8 | 5.0 | 0.1 | 2.4 | 0.3 | 0.7 | 8.5 | 0.0 | 2.0 | 0.0 | 35.5 | 142.5 | R 80.2 | R 222.6 |
| 1996 | 2.4 | 100.3 | 5.9 | 0.2 | 3.2 | 0.3 | 0.9 | 10.4 | 0.0 | 2.1 | 0.0 | 37.0 | 152.0 | R 83.7 | R 235.7 |
| 1997 | 1.7 | 93.9 | 5.1 | 0.1 | 3.1 | 5.3 | 1.0 | 14.6 | 0.0 | 2.0 | 0.0 | 37.1 | 149.3 | R 83.6 | R 232.9 |
| 1998 | 0.7 | 83.9 | 4.9 | 0.2 | 2.1 | 5.2 | 1.0 | 13.4 | 0.0 | 1.9 | 0.0 | 38.1 | 137.9 | R 85.8 | R 223.6 |
| 1999 | 0.2 | 89.7 | 5.2 | 0.1 | 2.6 | 0.3 | 1.0 | 9.1 | 0.0 | 1.9 | 0.0 | 39.7 | 140.7 | R 90.3 | R 231.0 |
| 2000 | 0.1 | 96.8 | 5.2 | 0.3 | 2.9 | 0.3 | 0.9 | 9.5 | 0.0 | 2.0 | 0.0 | 42.0 | 150.4 | R 95.0 | R 245.4 |
| 2001 | (s) | 94.9 | 6.6 | 0.2 | 2.6 | 0.3 | 1.4 | 11.0 | 0.0 | 1.8 | 0.0 | 70.0 | 177.8 | R 155.1 | R 332.9 |
| 2002 | 1.6 | 105.1 | 4.8 | 0.1 | 2.5 | 0.3 | 1.2 | 8.9 | 0.0 | 1.8 | 0.0 | 68.9 | 186.4 | R 152.7 | R 339.1 |
| 2003 | (s) | 102.3 | 4.3 | 0.1 | 3.5 | 4.1 | 2.1 | 14.2 | 0.0 | 1.9 | 0.0 | 70.1 | 188.4 | R 153.7 | R 342.1 |
| 2004 | (s) | 97.2 | 4.7 | 0.1 | 2.7 | 0.3 | 2.8 | 10.5 | 0.0 | 1.9 | 0.0 | 69.6 | 179.2 | R 153.1 | R 332.4 |
| 2005 | 1.3 | 97.1 | 5.8 | 0.1 | 2.6 | 0.3 | 1.9 | 10.7 | 0.0 | 2.1 | 0.0 | 75.0 | 186.1 | R 163.1 | R 349.2 |
| 2006 | 1.5 | 88.6 | 3.9 | 0.1 | 2.5 | 7.2 | 1.5 | 15.1 | 0.0 | 2.2 | 0.0 | 75.7 | 183.0 | R 162.7 | R 345.6 |
| 2007 | 1.1 | 93.2 | 4.2 | 0.1 | 2.1 | 4.9 | 0.6 | 11.8 | 0.0 | 2.2 | 0.0 | 76.8 | 185.2 | R 164.8 | R 350.0 |
| 2008 | 1.0 | 101.9 | 5.0 | (s) | 3.5 | 4.5 | 0.9 | 13.9 | 0.0 | 2.4 | 0.0 | 77.1 | R 196.3 | R 165.1 | R 361.3 |
| 2009 | 0.9 | 99.1 | 6.3 | (s) | 2.8 | 3.4 | 1.2 | 13.7 | 0.0 | 2.3 | 0.0 | 76.1 | 192.1 | 160.2 | 352.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,555 | 49 | 6,062 | 841 | 4,266 | 5,690 | 5,024 | 21,884 | 156 | – – | – – | – – | 3,095 | – – | – – | – – |
| 1965 | 2,776 | 83 | 7,651 | 988 | 3,947 | 4,213 | 6,593 | 23,392 | 178 | – – | – – | – – | 4,677 | – – | – – | – – |
| 1970 | 2,020 | 98 | 7,784 | 1,275 | 3,608 | 3,894 | 7,919 | 24,480 | 168 | – – | – – | – – | 8,506 | – – | – – | – – |
| 1975 | 2,292 | 101 | 7,991 | 1,985 | 3,132 | 2,675 | 9,183 | 24,965 | 189 | – – | – – | – – | 11,280 | – – | – – | – – |
| 1980 | 1,057 | 101 | 5,708 | 4,183 | 1,336 | 1,818 | 7,527 | 20,573 | 145 | – – | – – | – – | 15,525 | – – | – – | – – |
| 1985 | 1,027 | 66 | 4,985 | 2,406 | 1,718 | 481 | 8,206 | 17,796 | 145 | – – | – – | – – | 17,934 | – – | – – | – – |
| 1990 | 1,283 | 88 | 5,483 | 2,459 | 1,117 | 700 | 11,122 | 20,880 | 172 | – – | – – | – – | 23,497 | – – | – – | – – |
| 1995 | 1,401 | 106 | 6,031 | 4,392 | 1,192 | 536 | 12,791 | 24,942 | 224 | – – | – – | – – | 26,577 | – – | – – | – – |
| 1996 | 2,088 | 102 | 6,510 | 4,855 | 670 | 643 | 13,673 | 26,352 | 250 | – – | – – | – – | 26,934 | – – | – – | – – |
| 1997 | 1,490 | 107 | 6,404 | 3,485 | 1,846 | 519 | 13,610 | 25,864 | 227 | – – | – – | – – | 27,713 | – – | – – | – – |
| 1998 | 2,014 | 105 | 6,298 | 2,777 | 1,240 | 353 | 13,102 | 23,769 | 204 | – – | – – | – – | 28,214 | – – | – – | – – |
| 1999 | 1,954 | 104 | 5,291 | 2,989 | 1,026 | 394 | 14,158 | 23,858 | 272 | – – | – – | – – | 27,764 | – – | – – | – – |
| 2000 | 2,092 | 106 | 4,857 | 3,442 | 996 | 570 | 13,437 | 23,302 | 248 | – – | – – | – – | 28,842 | – – | – – | – – |
| 2001 | 1,254 | 92 | 5,154 | 3,359 | 1,465 | 698 | 13,962 | 24,638 | 186 | – – | – – | – – | 20,767 | – – | – – | – – |
| 2002 | 1,261 | 96 | 5,010 | 5,899 | 1,412 | 530 | 12,775 | 25,626 | 45 | – – | – – | – – | 21,515 | – – | – – | – – |
| 2003 | 1,268 | 95 | 5,451 | 3,932 | 1,360 | 610 | 13,894 | 25,247 | 93 | – – | – – | – – | 21,916 | – – | – – | – – |
| 2004 | 1,312 | 97 | 5,854 | 5,448 | 1,400 | 654 | 14,094 | 27,449 | 132 | – – | – – | – – | 22,415 | – – | – – | – – |
| 2005 | 1,300 | 95 | 5,741 | 5,156 | 1,299 | 1,092 | 15,438 | 28,727 | 130 | – – | – – | – – | 22,266 | – – | – – | – – |
| 2006 | 1,271 | 103 | 5,296 | 4,702 | 1,228 | 396 | R 15,216 | R 26,838 | 96 | – – | – – | – – | 22,664 | – – | – – | – – |
| 2007 | 1,354 | 114 | 5,150 | 4,618 | 1,476 | 789 | R 15,043 | R 27,077 | 96 | – – | – – | – – | 23,041 | – – | – – | – – |
| 2008 | 1,359 | R 144 | R 5,557 | R 3,265 | 924 | 1,136 | R 12,774 | R 23,655 | 118 | – – | – – | – – | 23,810 | – – | – – | – – |
| 2009 | 1,167 | 128 | 5,556 | 4,307 | 990 | 88 | 11,756 | 22,696 | 134 | – – | – – | – – | 19,637 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 55.2 | 51.0 | 35.3 | 3.4 | 22.4 | 35.8 | 31.9 | 128.8 | 1.7 | 7.4 | NA | NA | 10.6 | 254.6 | 26.1 | 280.7 |
| 1965 | 60.8 | 82.6 | 44.6 | 4.0 | 20.7 | 26.5 | 41.7 | 137.4 | 1.9 | 9.3 | NA | NA | 16.0 | 308.0 | 38.1 | 346.1 |
| 1970 | 42.1 | 97.8 | 45.3 | 4.8 | 19.0 | 24.5 | 50.1 | 143.7 | 1.8 | 11.8 | NA | NA | 29.0 | 326.1 | 70.2 | 396.4 |
| 1975 | 50.8 | 100.8 | 46.5 | 7.4 | 16.5 | 16.8 | 57.8 | 145.0 | 2.0 | 15.9 | NA | NA | 38.5 | 352.8 | R 92.3 | R 445.2 |
| 1980 | 18.1 | 101.2 | 33.3 | 15.4 | 7.0 | 11.4 | 47.3 | 114.3 | 1.5 | 31.3 | NA | NA | 53.0 | 319.4 | R 127.3 | R 446.6 |
| 1985 | 21.3 | 66.6 | 29.0 | 8.7 | 9.0 | 3.0 | 52.9 | 102.6 | 1.5 | 36.7 | 0.0 | NA | 61.2 | 289.9 | R 140.1 | R 430.1 |
| 1990 | 23.8 | 88.7 | 31.9 | 8.9 | 5.9 | 4.4 | 70.5 | 121.6 | 1.8 | 28.0 | 0.7 | 0.0 | 80.2 | 344.9 | R 184.0 | R 528.8 |
| 1995 | 26.7 | 107.6 | 35.1 | 15.9 | 6.2 | 3.4 | 80.4 | 141.0 | 2.3 | 35.6 | 3.2 | 0.0 | 90.7 | 407.1 | R 204.7 | R 611.8 |
| 1996 | 40.0 | 104.3 | 37.9 | 17.5 | 3.5 | 4.0 | 86.1 | 149.1 | 2.6 | 35.9 | 4.3 | 0.0 | 91.9 | R 427.8 | R 207.7 | R 635.5 |
| 1997 | 28.1 | 109.3 | 37.3 | 12.6 | 9.6 | 3.3 | 85.7 | 148.5 | 2.3 | 36.1 | 6.9 | 0.0 | 94.6 | R 425.7 | R 212.9 | R 638.6 |
| 1998 | 37.5 | 106.6 | 36.7 | 10.0 | 6.5 | 2.2 | 82.9 | 138.3 | 2.1 | 33.3 | 7.6 | 0.0 | 96.3 | R 421.6 | R 216.9 | R 638.6 |
| 1999 | 36.4 | 106.2 | 30.8 | 10.8 | 5.3 | 2.5 | 89.7 | 139.2 | 2.8 | 33.0 | 11.7 | 0.0 | 94.7 | R 423.9 | R 215.4 | R 639.2 |
| 2000 | 40.4 | 107.5 | 28.3 | 12.4 | 5.2 | 3.6 | 85.3 | 134.8 | 2.5 | 35.7 | 13.4 | 0.0 | 98.4 | R 432.6 | R 222.6 | R 655.2 |
| 2001 | 24.4 | 93.5 | 30.0 | 12.1 | 7.6 | 4.4 | 87.5 | 141.7 | 1.9 | 39.1 | 15.4 | 0.0 | 70.9 | R 386.9 | R 157.0 | R 543.9 |
| 2002 | 24.4 | 96.3 | 29.2 | 21.3 | 7.4 | 3.3 | 79.8 | 141.0 | 0.5 | 28.6 | 18.2 | 0.0 | 73.4 | R 382.4 | R 162.7 | R 545.1 |
| 2003 | 24.0 | 95.5 | 31.7 | 14.3 | 7.1 | 3.8 | 86.9 | 143.8 | 1.0 | 23.1 | 21.6 | 0.0 | 74.8 | R 383.8 | R 164.0 | R 547.9 |
| 2004 | 24.9 | 97.8 | 34.1 | 19.7 | 7.3 | 4.1 | 88.3 | 153.5 | 1.3 | 34.2 | 23.8 | 0.0 | 76.5 | R 412.1 | R 168.2 | R 580.3 |
| 2005 | 24.7 | 96.2 | 33.4 | 18.7 | 6.8 | 6.9 | 96.9 | 162.6 | 1.3 | 35.1 | 24.7 | 0.0 | 76.0 | R 420.5 | R 165.2 | R 585.7 |
| 2006 | 24.1 | 104.7 | 30.8 | 17.0 | 6.4 | 2.5 | R 95.2 | R 151.9 | 1.0 | R 33.0 | 32.0 | 0.0 | 77.3 | R 424.0 | R 166.2 | R 590.3 |
| 2007 | 25.8 | 115.9 | 30.0 | 16.6 | 7.7 | 5.0 | R 94.0 | R 153.3 | 0.9 | R 33.6 | 34.2 | 0.0 | 78.6 | R 442.2 | R 168.6 | R 610.9 |
| 2008 | 26.1 | R 147.2 | R 32.4 | 11.8 | 4.8 | 7.1 | R 79.6 | R 135.7 | 1.2 | R 33.0 | 41.0 | 0.0 | 81.2 | R 465.5 | R 173.9 | R 639.4 |
| 2009 | 22.4 | 132.2 | 32.4 | 15.3 | 5.2 | 0.6 | 73.2 | 126.6 | 1.3 | 32.6 | 53.6 | 0.0 | 67.0 | 435.7 | 141.0 | 576.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 44 | (s) | 1,199 | 3,194 | 472 | 27 | 697 | 28,176 | 95 | 33,860 | 0 | – – | – – | – – |
| 1965 | 9 | 1 | 803 | 3,276 | 2,624 | 37 | 596 | 31,173 | 75 | 38,584 | 0 | – – | – – | – – |
| 1970 | 3 | 7 | 277 | 5,064 | 3,491 | 95 | 628 | 40,279 | 29 | 49,863 | 0 | – – | – – | – – |
| 1975 | (s) | 4 | 215 | 6,691 | 5,629 | 97 | 752 | 44,766 | 577 | 58,726 | 0 | – – | – – | – – |
| 1980 | 0 | 9 | 193 | 8,117 | 5,142 | 68 | 796 | 44,535 | 971 | 59,822 | 0 | – – | – – | – – |
| 1985 | 0 | 6 | 154 | 8,038 | 7,781 | 123 | 724 | 43,232 | 155 | 60,209 | 0 | – – | – – | – – |
| 1990 | 0 | 12 | 214 | 9,168 | 5,099 | 57 | 815 | 45,075 | 0 | 60,427 | 0 | – – | – – | – – |
| 1995 | 0 | 19 | 129 | 12,926 | 9,969 | 134 | 778 | 53,061 | 0 | 76,997 | 0 | – – | – – | – – |
| 1996 | 0 | 20 | 124 | 12,901 | 10,625 | 140 | 755 | 54,146 | 0 | 78,692 | 0 | – – | – – | – – |
| 1997 | 0 | 20 | 137 | 13,295 | 10,892 | 137 | 797 | 52,898 | 10 | 78,166 | 0 | – – | – – | – – |
| 1998 | 0 | 20 | 92 | 14,740 | 10,709 | 13 | 835 | 55,878 | 0 | 82,268 | 0 | – – | – – | – – |
| 1999 | 0 | 22 | 141 | 15,422 | 12,591 | 7 | 843 | 58,819 | 1 | 87,824 | 0 | – – | – – | – – |
| 2000 | 0 | 21 | 136 | 16,559 | 13,301 | 7 | 831 | 60,074 | 222 | 91,129 | 0 | – – | – – | – – |
| 2001 | 0 | 19 | 95 | 16,221 | 11,588 | 13 | 761 | 60,719 | 179 | 89,576 | 0 | – – | – – | – – |
| 2002 | 0 | 23 | 137 | 16,495 | 11,064 | 14 | 752 | 62,039 | 262 | 90,762 | 0 | – – | – – | – – |
| 2003 | 0 | 20 | 93 | 15,864 | 11,977 | 79 | 695 | 62,484 | 70 | 91,264 | 0 | – – | – – | – – |
| 2004 | 0 | 21 | 92 | 17,319 | 12,505 | 98 | 704 | 63,352 | 296 | 94,365 | 11 | – – | – – | – – |
| 2005 | 0 | 22 | 102 | 17,508 | 12,656 | 99 | 701 | 63,344 | 234 | 94,645 | 25 | – – | – – | – – |
| 2006 | 0 | 20 | 86 | 18,383 | 11,773 | 87 | 683 | 61,825 | 199 | 93,035 | 21 | – – | – – | – – |
| 2007 | 0 | 20 | 87 | 19,515 | 11,275 | 92 | 705 | 62,210 | 402 | 94,285 | 21 | – – | – – | – – |
| 2008 | 0 | 18 | 78 | R 18,824 | 10,238 | R 171 | 654 | 61,118 | 656 | R 91,739 | 22 | – – | – – | – – |
| 2009 | 0 | 13 | 141 | 15,910 | 9,200 | 115 | 588 | 59,151 | 165 | 85,270 | 22 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.9 | 0.3 | 6.1 | 18.6 | 2.6 | 0.1 | 4.2 | 148.0 | 0.6 | 180.2 | 0.0 | 181.4 | 0.0 | 181.4 |
| 1965 | 0.2 | 1.2 | 4.1 | 19.1 | 14.8 | 0.1 | 3.6 | 163.8 | 0.5 | 205.9 | 0.0 | 207.3 | 0.0 | 207.3 |
| 1970 | 0.1 | 7.5 | 1.4 | 29.5 | 19.7 | 0.4 | 3.8 | 211.6 | 0.2 | 266.6 | 0.0 | 274.1 | 0.0 | 274.1 |
| 1975 | (s) | 3.9 | 1.1 | 39.0 | 31.9 | 0.4 | 4.6 | 235.2 | 3.6 | 315.6 | 0.0 | 319.5 | 0.0 | 319.5 |
| 1980 | 0.0 | 9.1 | 1.0 | 47.3 | 29.1 | 0.2 | 4.8 | 233.9 | 6.1 | 322.5 | 0.0 | 331.6 | 0.0 | 331.6 |
| 1985 | 0.0 | 6.3 | 0.8 | 46.8 | 44.1 | 0.4 | 4.4 | 227.1 | 1.0 | 324.6 | 0.0 | R 333.0 | 0.0 | R 333.0 |
| 1990 | 0.0 | 12.1 | 1.1 | 53.4 | 28.9 | 0.2 | 4.9 | 236.8 | 0.0 | 325.3 | 0.0 | R 339.2 | 0.0 | R 339.2 |
| 1995 | 0.0 | 19.4 | 0.7 | 75.3 | 56.5 | 0.5 | 4.7 | 276.7 | 0.0 | 414.4 | 0.0 | 433.8 | 0.0 | 433.8 |
| 1996 | 0.0 | 20.1 | 0.6 | 75.2 | 60.2 | 0.5 | 4.6 | 282.4 | 0.0 | 423.5 | 0.0 | 443.7 | 0.0 | 443.7 |
| 1997 | 0.0 | 19.9 | 0.7 | 77.4 | 61.8 | 0.5 | 4.8 | 275.8 | 0.1 | 421.0 | 0.0 | 440.9 | 0.0 | 440.9 |
| 1998 | 0.0 | 20.5 | 0.5 | 85.9 | 60.7 | (s) | 5.1 | 291.2 | 0.0 | 443.4 | 0.0 | 463.9 | 0.0 | 463.9 |
| 1999 | 0.0 | 22.5 | 0.7 | 89.8 | 71.4 | (s) | 5.1 | 306.5 | (s) | 473.6 | 0.0 | 496.1 | 0.0 | 496.1 |
| 2000 | 0.0 | 21.4 | 0.7 | 96.5 | 75.4 | (s) | 5.0 | 313.0 | 1.4 | 492.0 | 0.0 | 513.4 | 0.0 | 513.4 |
| 2001 | 0.0 | 19.3 | 0.5 | 94.5 | 65.7 | (s) | 4.6 | 316.3 | 1.1 | 482.8 | 0.0 | 502.1 | 0.0 | 502.1 |
| 2002 | 0.0 | 23.3 | 0.7 | 96.1 | 62.7 | (s) | 4.6 | 323.1 | 1.6 | 488.9 | 0.0 | 512.2 | 0.0 | 512.2 |
| 2003 | 0.0 | 20.5 | 0.5 | 92.4 | 67.9 | 0.3 | 4.2 | 325.4 | 0.4 | 491.1 | 0.0 | 511.6 | 0.0 | 511.6 |
| 2004 | 0.0 | 20.7 | 0.5 | 100.9 | 70.9 | 0.4 | 4.3 | 330.4 | 1.9 | 509.1 | (s) | 529.9 | 0.1 | 530.0 |
| 2005 | 0.0 | 22.5 | 0.5 | 102.0 | 71.8 | 0.4 | 4.2 | 330.5 | 1.5 | 510.9 | 0.1 | 533.5 | 0.2 | 533.7 |
| 2006 | 0.0 | 20.7 | 0.4 | 107.1 | 66.8 | 0.3 | 4.1 | 322.6 | 1.2 | 502.6 | 0.1 | 523.3 | 0.2 | 523.5 |
| 2007 | 0.0 | 20.3 | 0.4 | 113.7 | 63.9 | 0.3 | 4.3 | 324.7 | 2.5 | 509.8 | 0.1 | 530.3 | 0.2 | 530.4 |
| 2008 | 0.0 | 18.0 | 0.4 | R 109.6 | 58.1 | 0.6 | 4.0 | 318.9 | 4.1 | R 495.7 | 0.1 | R 513.8 | 0.2 | R 514.0 |
| 2009 | 0.0 | 13.0 | 0.7 | 92.7 | 52.2 | 0.4 | 3.6 | 308.7 | 1.0 | 459.2 | 0.1 | 472.2 | 0.2 | 472.4 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Minnesota

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 2,433 | 49 | 239 | 156 | 0 | 395 | 0 | 731 | – – | 0 | NA | NA | 90 | – – |
| 1965 | 3,857 | 51 | 278 | 182 | 0 | 460 | 143 | 915 | – – | 0 | NA | NA | 111 | – – |
| 1970 | 6,192 | 59 | 842 | 551 | 143 | 1,537 | 0 | 726 | – – | 0 | NA | NA | 127 | – – |
| 1975 | 7,595 | 23 | 851 | 674 | 59 | 1,584 | 9,750 | 728 | – – | 0 | NA | NA | 185 | – – |
| 1980 | 12,610 | 8 | 361 | 167 | 0 | 529 | 10,027 | 642 | – – | 0 | NA | NA | 953 | – – |
| 1985 | 11,498 | 1 | (s) | 49 | 0 | 49 | 11,572 | 829 | – – | 0 | 0 | 0 | 2,668 | – – |
| 1990 | 16,916 | 5 | 1 | 91 | 727 | 820 | 12,139 | 685 | – – | 0 | 0 | (s) | 728 | – – |
| 1995 | 17,282 | 8 | 0 | 134 | 770 | 904 | 13,243 | 874 | – – | 0 | 0 | 57 | 8,441 | – – |
| 1996 | 17,459 | 5 | 2 | 140 | 1,055 | 1,196 | 12,095 | 937 | – – | 0 | 0 | 50 | 8,837 | – – |
| 1997 | 17,490 | 6 | 7 | 253 | 1,241 | 1,501 | 10,819 | 807 | – – | 0 | 0 | 54 | 9,889 | – – |
| 1998 | 17,902 | 13 | 1 | 184 | 1,041 | 1,225 | 11,644 | 750 | – – | 0 | 0 | 147 | 7,936 | – – |
| 1999 | 17,114 | 11 | 2 | 217 | 1,261 | 1,480 | 13,316 | 906 | – – | 0 | 0 | 486 | 5,998 | – – |
| 2000 | 18,639 | 10 | 1 | 246 | 1,080 | 1,327 | 12,960 | 684 | – – | 0 | 0 | 725 | 7,892 | – – |
| 2001 | 18,427 | 11 | 50 | 199 | 980 | 1,229 | 11,789 | 645 | – – | 0 | 0 | 897 | 8,270 | – – |
| 2002 | 19,088 | 13 | 5 | 95 | 1,054 | 1,154 | 13,685 | 764 | – – | 0 | 0 | 906 | 4,174 | – – |
| 2003 | 20,729 | 17 | 41 | 206 | 1,311 | 1,558 | 13,414 | 721 | – – | 0 | 0 | 978 | -2,511 | – – |
| 2004 | 20,070 | 13 | 62 | 129 | 1,205 | 1,396 | 13,296 | 607 | – – | 0 | 0 | 812 | 2,610 | – – |
| 2005 | 20,008 | 26 | 78 | 232 | 1,109 | 1,420 | 12,835 | 645 | – – | 0 | 0 | 1,582 | 7,754 | – – |
| 2006 | 19,573 | 25 | 21 | 149 | 757 | 928 | 13,183 | 475 | – – | 0 | 0 | 2,055 | 7,925 | – – |
| 2007 | 19,178 | 35 | 70 | 397 | 336 | 803 | 13,103 | 558 | – – | 0 | 0 | 2,639 | 6,858 | – – |
| 2008 | 18,763 | 25 | 25 | 157 | 277 | 458 | 12,997 | 609 | – – | 0 | 0 | 4,355 | 7,768 | – – |
| 2009 | 17,355 | 24 | 5 | 122 | 0 | 128 | 12,393 | 675 | – – | 0 | 0 | 5,053 | 7,792 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 54.5 | 50.2 | 1.5 | 0.9 | 0.0 | 2.4 | 0.0 | 7.9 | 0.2 | 0.0 | NA | NA | 0.3 | 115.4 |
| 1965 | 85.5 | 51.3 | 1.7 | 1.1 | 0.0 | 2.8 | 1.7 | 9.6 | 0.1 | 0.0 | NA | NA | 0.4 | 151.4 |
| 1970 | 125.5 | 59.1 | 5.3 | 3.2 | 0.9 | 9.4 | 0.0 | 7.6 | 0.2 | 0.0 | NA | NA | 0.4 | 202.2 |
| 1975 | 136.3 | 22.3 | 5.4 | 3.9 | 0.4 | 9.6 | 107.4 | 7.6 | (s) | 0.0 | NA | NA | 0.6 | 283.8 |
| 1980 | 221.4 | 8.0 | 2.3 | 1.0 | 0.0 | 3.2 | 109.4 | 6.7 | (s) | 0.0 | NA | NA | 3.3 | 352.0 |
| 1985 | 200.6 | 1.3 | (s) | 0.3 | 0.0 | 0.3 | 122.9 | 8.7 | (s) | 0.0 | 0.0 | 0.0 | 9.1 | 342.9 |
| 1990 | 298.5 | 5.4 | (s) | 0.5 | 4.4 | 4.9 | 128.5 | 7.1 | 7.7 | 0.0 | 0.0 | (s) | 2.5 | 454.6 |
| 1995 | 305.9 | 8.4 | 0.0 | 0.8 | 4.6 | 5.4 | 139.1 | 9.0 | 8.6 | 0.0 | 0.0 | 0.6 | 28.8 | 505.9 |
| 1996 | 311.9 | 5.3 | (s) | 0.8 | 6.4 | 7.2 | 127.0 | 9.7 | 8.8 | 0.0 | 0.0 | 0.5 | 30.2 | 500.6 |
| 1997 | 311.6 | 6.2 | (s) | 1.5 | 7.5 | 9.0 | 113.5 | 8.2 | 9.4 | 0.0 | 0.0 | 0.6 | 33.7 | 492.3 |
| 1998 | 318.7 | 13.6 | (s) | 1.1 | 6.3 | 7.3 | 122.2 | 7.7 | 8.5 | 0.0 | 0.0 | 1.5 | 27.1 | 506.6 |
| 1999 | 304.8 | 11.5 | (s) | 1.3 | 7.6 | 8.9 | 139.1 | 9.3 | 8.2 | 0.0 | 0.0 | 5.0 | 20.5 | 507.3 |
| 2000 | 333.3 | 10.1 | (s) | 1.4 | 6.5 | 7.9 | 135.2 | 7.0 | 8.8 | 0.0 | 0.0 | 7.4 | 26.9 | 536.6 |
| 2001 | 328.9 | 10.8 | 0.3 | 1.2 | 5.9 | 7.4 | 123.1 | 6.7 | 5.5 | 0.0 | 0.0 | 9.3 | 28.2 | 519.8 |
| 2002 | 334.6 | 13.3 | (s) | 0.6 | 6.4 | 6.9 | 142.9 | 7.8 | 7.8 | 0.0 | 0.0 | 9.2 | 14.2 | 536.7 |
| 2003 | 366.7 | 16.8 | 0.3 | 1.2 | 7.9 | 9.4 | 139.8 | 7.4 | 10.4 | 0.0 | 0.0 | 10.0 | -8.6 | 551.8 |
| 2004 | 353.8 | 12.9 | 0.4 | 0.8 | 7.3 | 8.4 | 138.6 | 6.1 | 7.9 | 0.0 | 0.0 | 8.1 | 8.9 | 544.8 |
| 2005 | 353.0 | 26.3 | 0.5 | 1.4 | 6.7 | 8.5 | 133.9 | 6.5 | 9.3 | 0.0 | 0.0 | 15.8 | 26.5 | 579.8 |
| 2006 | 345.1 | 25.1 | 0.1 | 0.9 | 4.6 | 5.6 | 137.6 | 4.7 | 8.9 | 0.0 | 0.0 | 20.4 | 27.0 | 574.4 |
| 2007 | 339.2 | 35.1 | 0.4 | 2.3 | 2.0 | 4.8 | 137.4 | 5.5 | 17.2 | 0.0 | 0.0 | 26.1 | 23.4 | 588.6 |
| 2008 | 332.2 | 25.2 | 0.2 | 0.9 | 1.7 | 2.7 | 135.9 | 6.0 | 17.7 | 0.0 | 0.0 | 42.9 | 26.5 | 589.1 |
| 2009 | 305.3 | 23.9 | (s) | 0.7 | 0.0 | 0.7 | 129.6 | 6.6 | 20.9 | 0.0 | 0.0 | 49.3 | 26.6 | 563.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 30 | 182 | 2,375 | 1,465 | 4,220 | 16,096 | 311 | 2,950 | 27,417 | 0 | 0 | NA |
| 1965 | 40 | 244 | 2,796 | 1,460 | 4,720 | 18,539 | 489 | 5,232 | 33,237 | 0 | 0 | NA |
| 1970 | 549 | 360 | 5,991 | 1,614 | 8,645 | 24,316 | 703 | 10,682 | 51,951 | 0 | 0 | NA |
| 1971 | 559 | 378 | 7,225 | 1,669 | 8,641 | 25,371 | 1,122 | 10,704 | 54,730 | 0 | 0 | NA |
| 1972 | 581 | 378 | 7,610 | 1,600 | 9,658 | 27,539 | 4,292 | 11,467 | 62,166 | 0 | 0 | NA |
| 1973 | 1,247 | 314 | 9,199 | 1,513 | 9,414 | 28,248 | 7,663 | 12,701 | 68,738 | 0 | 0 | NA |
| 1974 | 1,506 | 276 | 9,822 | 1,538 | 9,065 | 28,176 | 10,748 | 10,407 | 69,756 | 0 | 0 | NA |
| 1975 | 1,440 | 230 | 9,852 | 1,475 | 8,180 | 27,811 | 12,063 | 9,813 | 69,194 | 0 | 0 | NA |
| 1976 | 1,825 | 199 | 12,009 | 1,425 | 8,662 | 28,957 | 15,794 | 9,713 | 76,559 | 0 | 0 | NA |
| 1977 | 1,690 | 198 | 14,206 | 1,498 | 9,150 | 30,566 | 20,722 | 10,188 | 86,328 | 0 | 0 | NA |
| 1978 | 1,732 | 204 | 15,503 | 1,361 | 8,217 | 30,766 | 24,359 | 11,308 | 91,514 | 0 | 0 | NA |
| 1979 | 2,555 | 254 | 11,034 | 1,451 | 5,972 | 29,424 | 22,344 | 10,221 | 80,447 | 0 | 0 | NA |
| 1980 | 3,127 | 264 | 9,648 | 1,530 | 5,694 | 26,781 | 16,010 | 9,130 | 68,793 | 0 | 0 | NA |
| 1981 | 3,446 | 243 | 13,444 | 1,734 | 4,541 | 27,658 | 10,404 | 5,883 | 63,665 | 0 | 0 | 0 |
| 1982 | 4,158 | 269 | 11,830 | 3,336 | 4,481 | 26,436 | 5,461 | 5,949 | 57,494 | 0 | 0 | 0 |
| 1983 | 3,962 | 238 | 13,152 | 2,963 | 4,507 | 26,691 | 2,361 | 7,012 | 56,685 | 0 | 0 | 0 |
| 1984 | 4,297 | 269 | 12,257 | 2,334 | 4,524 | 26,900 | 2,134 | 9,027 | 57,175 | 165 | 0 | 0 |
| 1985 | 4,519 | 227 | 13,461 | 4,111 | 4,672 | 27,586 | 1,319 | 6,940 | 58,088 | 4,332 | 0 | 0 |
| 1986 | 4,454 | 215 | 12,779 | 4,914 | 3,663 | 28,548 | 4,461 | 7,014 | 61,379 | 4,087 | 0 | 0 |
| 1987 | 4,846 | 209 | 13,294 | 7,657 | 3,694 | 29,365 | 2,051 | 8,047 | 64,108 | 7,717 | 0 | 0 |
| 1988 | 5,136 | 213 | 14,894 | 8,006 | 3,927 | 29,479 | 3,547 | 9,543 | 69,396 | 9,582 | 0 | 0 |
| 1989 | 3,831 | 226 | 14,108 | 6,567 | 4,915 | 29,023 | 3,550 | 9,018 | 67,181 | 7,826 | 0 | 0 |
| 1990 | 4,159 | 254 | 13,221 | 6,922 | 7,093 | 29,080 | 3,658 | 9,612 | 69,585 | 7,422 | 0 | 0 |
| 1991 | 3,812 | 250 | 13,443 | 8,080 | 6,103 | 29,794 | 4,754 | 9,407 | 71,580 | 9,133 | 0 | 0 |
| 1992 | 3,485 | 239 | 13,174 | 11,006 | 6,203 | 30,535 | 3,401 | 10,233 | 74,552 | 8,174 | 0 | 0 |
| 1993 | 4,030 | 230 | 13,312 | 8,328 | 6,214 | 31,907 | 8,953 | 9,639 | 78,354 | 7,904 | 0 | 139 |
| 1994 | 4,285 | 258 | 14,250 | 6,750 | 6,505 | 32,868 | 5,388 | 9,407 | 75,168 | 9,615 | 0 | 98 |
| 1995 | 4,606 | 288 | 14,065 | 7,573 | 6,810 | 34,017 | 2,607 | 9,424 | 74,494 | 8,013 | 0 | 55 |
| 1996 | 5,791 | 269 | 14,851 | 7,157 | 8,945 | 34,178 | 3,491 | 10,681 | 79,302 | 9,225 | 0 | 6 |
| 1997 | 6,273 | 256 | 16,654 | 7,916 | 3,091 | 35,393 | 5,317 | 11,227 | 79,597 | 10,813 | 0 | 0 |
| 1998 | 5,897 | 241 | 16,937 | 7,690 | 2,787 | 36,708 | 9,507 | 10,587 | 84,216 | 9,191 | 0 | 0 |
| 1999 | 6,206 | 307 | 17,510 | 9,658 | 5,312 | 38,422 | 5,843 | 10,786 | 87,531 | 8,428 | 0 | 0 |
| 2000 | 6,386 | 301 | 16,517 | 9,004 | 6,545 | 37,193 | 5,906 | 9,843 | 85,008 | 10,695 | 0 | 0 |
| 2001 | 8,488 | 333 | 16,995 | 8,411 | 7,526 | 36,481 | 9,883 | 9,810 | 89,106 | 9,924 | 0 | 0 |
| 2002 | 8,018 | 344 | 18,228 | 7,223 | 5,647 | 38,010 | 1,368 | 9,940 | 80,415 | 10,059 | 0 | 0 |
| 2003 | 9,691 | 266 | 19,610 | 9,193 | 6,672 | 38,676 | 3,592 | 11,405 | 89,147 | 10,902 | 0 | 0 |
| 2004 | 10,110 | 282 | 21,131 | 6,119 | 3,872 | 39,206 | 6,448 | 11,692 | 88,469 | 10,233 | 0 | 0 |
| 2005 | 9,882 | 302 | 20,143 | 5,902 | 3,198 | 39,765 | 3,282 | 11,923 | 84,213 | 10,078 | 0 | 34 |
| 2006 | 10,528 | 307 | 21,407 | 7,097 | 3,614 | 40,097 | 1,418 | R 12,322 | R 85,955 | 10,419 | 0 | 32 |
| 2007 | 10,043 | 364 | 22,909 | 4,366 | 3,080 | 40,534 | 1,449 | R 12,288 | R 84,626 | 9,359 | 0 | 99 |
| 2008 | 9,632 | 355 | R 20,391 | 4,104 | 3,313 | 39,371 | 906 | R 9,956 | R 78,041 | 9,397 | 0 | 812 |
| 2009 | 8,533 | 364 | 19,937 | 4,853 | 3,365 | 37,581 | 806 | 9,394 | 75,936 | 10,999 | 0 | 2,035 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 0.8 | 187.9 | 13.8 | 7.8 | 16.9 | 84.6 | 2.0 | 17.9 | 143.0 | 331.7 | *187.9* | *84.6* |
| 1965 | 1.0 | 250.6 | 16.3 | 7.8 | 18.9 | 97.4 | 3.1 | 31.6 | 175.1 | 426.8 | *250.6* | *97.4* |
| 1970 | 13.2 | 369.4 | 34.9 | 8.7 | 32.7 | 127.7 | 4.4 | 64.1 | 272.6 | 655.2 | *369.4* | *127.7* |
| 1971 | 13.5 | 387.8 | 42.1 | 9.0 | 32.6 | 133.3 | 7.1 | 64.8 | 288.8 | 690.1 | *387.8* | *133.3* |
| 1972 | 14.0 | 387.4 | 44.3 | 8.7 | 36.3 | 144.7 | 27.0 | 69.5 | 330.5 | 731.9 | *387.4* | *144.7* |
| 1973 | 29.5 | 321.5 | 53.6 | 8.2 | 35.3 | 148.4 | 48.2 | 76.7 | 370.3 | 721.3 | *321.5* | *148.4* |
| 1974 | 34.6 | 283.1 | 57.2 | 8.4 | 33.8 | 148.0 | 67.6 | 63.6 | 378.6 | 696.3 | *283.1* | *148.0* |
| 1975 | 33.4 | 235.3 | 57.4 | 8.0 | 30.4 | 146.1 | 75.8 | 59.9 | 377.6 | 646.3 | *235.3* | *146.1* |
| 1976 | 42.5 | 203.7 | 69.9 | 7.8 | 32.1 | 152.1 | 99.3 | 59.2 | 420.5 | 666.7 | *203.7* | *152.1* |
| 1977 | 38.7 | 202.6 | 82.7 | 8.2 | 33.6 | 160.6 | 130.3 | 61.8 | 477.2 | 718.5 | *202.6* | *160.6* |
| 1978 | 41.0 | 208.0 | 90.3 | 7.4 | 30.1 | 161.6 | 153.1 | 68.7 | 511.3 | 760.3 | *208.0* | *161.6* |
| 1979 | 59.8 | 260.5 | 64.3 | 7.9 | 22.0 | 154.6 | 140.5 | 62.7 | 451.9 | 772.3 | *260.5* | *154.6* |
| 1980 | 75.0 | 270.9 | 56.2 | 8.3 | 20.9 | 140.7 | 100.7 | 55.8 | 382.6 | 728.5 | *270.9* | *140.7* |
| 1981 | 82.9 | 249.1 | 78.3 | 9.5 | 16.5 | 145.3 | 65.4 | 37.2 | 352.2 | 684.2 | *249.1* | *145.3* |
| 1982 | 100.5 | 276.7 | 68.9 | 18.5 | 16.2 | 138.9 | 34.3 | 37.3 | 314.2 | 691.4 | *276.7* | *138.9* |
| 1983 | 96.1 | 244.3 | 76.6 | 16.4 | 16.3 | 140.2 | 14.8 | 43.4 | 307.8 | 648.2 | *244.3* | *140.2* |
| 1984 | 103.9 | 276.6 | 71.4 | 12.8 | 16.3 | 141.3 | 13.4 | 56.7 | 311.9 | 692.5 | *276.6* | *141.3* |
| 1985 | 109.4 | 233.0 | 78.4 | 22.9 | 16.8 | 144.9 | 8.3 | 43.7 | 315.1 | 657.5 | *233.0* | *144.9* |
| 1986 | 108.8 | 220.2 | 74.4 | 27.5 | 13.3 | 150.0 | 28.0 | 44.2 | 337.5 | 666.4 | *220.2* | *150.0* |
| 1987 | 122.4 | 212.3 | 77.4 | 43.1 | 13.5 | 154.3 | 12.9 | 50.0 | 351.2 | 685.9 | *212.3* | *154.3* |
| 1988 | 129.6 | 216.4 | 86.8 | 45.0 | 14.3 | 154.9 | 22.3 | 59.0 | 382.3 | 728.3 | *216.4* | *154.9* |
| 1989 | 95.6 | 232.4 | 82.2 | 36.9 | 18.1 | 152.5 | 22.3 | 55.1 | 367.1 | 695.1 | *232.4* | *152.5* |
| 1990 | 103.9 | 261.9 | 77.0 | 39.0 | 25.7 | 152.8 | 23.0 | 59.0 | 376.4 | 742.3 | *261.9* | *152.8* |
| 1991 | 95.3 | 257.0 | 78.3 | 45.5 | 22.1 | 156.5 | 29.9 | 57.8 | 390.0 | 742.3 | *257.0* | *156.5* |
| 1992 | 86.8 | 250.7 | 76.7 | 62.2 | 22.5 | 160.4 | 21.4 | 62.0 | 405.2 | 742.7 | *250.7* | *160.4* |
| 1993 | 99.3 | 235.3 | 77.5 | 47.0 | 22.4 | 167.1 | 56.3 | 58.6 | 429.0 | 763.6 | *235.3* | *167.6* |
| 1994 | 97.3 | 266.2 | 83.0 | 38.2 | 23.6 | 171.6 | 33.9 | 57.2 | 407.4 | 770.9 | *266.2* | *171.9* |
| 1995 | 103.8 | 295.4 | 81.9 | 42.9 | 24.7 | 177.2 | 16.4 | 57.5 | 400.6 | 799.8 | *295.4* | *177.4* |
| 1996 | 127.8 | 277.5 | 86.5 | 40.6 | 32.3 | 178.3 | 21.9 | 64.8 | 424.4 | 829.7 | *277.5* | *178.3* |
| 1997 | 132.2 | 264.2 | 97.0 | 44.9 | 11.2 | 184.5 | 33.4 | 68.3 | 439.3 | 835.7 | *264.2* | *184.5* |
| 1998 | 125.9 | 252.4 | 98.7 | 43.6 | 10.1 | 191.3 | 59.8 | 64.7 | 468.1 | 846.5 | *252.4* | *191.3* |
| 1999 | 137.6 | 317.8 | 102.0 | 54.8 | 19.2 | 200.2 | 36.7 | 65.8 | 478.7 | 934.1 | *317.8* | *200.2* |
| 2000 | 147.5 | 312.1 | 96.2 | 51.1 | 23.6 | 193.8 | 37.1 | 60.0 | 461.8 | 921.4 | *312.1* | *193.8* |
| 2001 | 198.3 | 340.9 | 99.0 | 47.7 | 27.2 | 190.1 | 62.1 | 59.2 | 485.3 | 1,024.5 | *340.9* | *190.1* |
| 2002 | 154.3 | 354.6 | 106.2 | 41.0 | 20.4 | 198.0 | 8.6 | 60.1 | 434.2 | 943.1 | *354.6* | *198.0* |
| 2003 | 178.9 | 275.1 | 114.2 | 52.1 | 24.2 | 201.4 | 22.6 | 69.4 | 484.0 | 938.1 | *275.1* | *201.4* |
| 2004 | 185.0 | 290.5 | 123.1 | 34.7 | 14.0 | 204.5 | 40.5 | 71.2 | 488.0 | 963.5 | *290.5* | *204.5* |
| 2005 | 176.3 | 310.7 | 117.3 | 33.5 | 11.6 | 207.4 | 20.6 | 72.8 | 463.2 | 950.2 | *310.7* | *207.5* |
| 2006 | 190.1 | 315.9 | 124.7 | 40.2 | 13.0 | 209.1 | 8.9 | R 76.2 | R 472.2 | R 978.2 | *315.9* | *209.2* |
| 2007 | 185.1 | 375.0 | 133.4 | 24.8 | 11.1 | 211.2 | 9.1 | R 76.1 | R 465.7 | R 1,025.7 | *375.0* | *211.5* |
| 2008 | 177.2 | 364.2 | R 118.8 | 23.3 | 11.9 | R 202.6 | 5.7 | R 61.3 | R 423.6 | R 965.0 | *364.2* | *205.4* |
| 2009 | 141.7 | 371.3 | 116.1 | 27.5 | 12.0 | 189.1 | 5.1 | 57.8 | 407.5 | 920.5 | *371.3* | *196.1* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.0 | 46.6 | NA | NA | 46.6 | 0.0 | NA | NA | 46.6 | 27.5 | 0.0 | 405.7 |
| 1965 | 0.0 | 0.0 | 37.8 | NA | NA | 37.8 | 0.0 | NA | NA | 37.8 | 48.0 | 0.0 | 512.5 |
| 1970 | 0.0 | 0.0 | 33.5 | NA | NA | 33.5 | 0.0 | NA | NA | 33.5 | R 58.1 | 0.0 | R 746.8 |
| 1971 | 0.0 | 0.0 | 32.8 | NA | NA | 32.8 | 0.0 | NA | NA | 32.8 | R 63.0 | 0.0 | R 785.9 |
| 1972 | 0.0 | 0.0 | 32.4 | NA | NA | 32.4 | 0.0 | NA | NA | 32.4 | R 66.2 | 0.0 | R 830.5 |
| 1973 | 0.0 | 0.0 | 32.2 | NA | NA | 32.2 | 0.0 | NA | NA | 32.2 | R 94.2 | 0.0 | R 847.7 |
| 1974 | 0.0 | 0.0 | 31.3 | NA | NA | 31.3 | 0.0 | NA | NA | 31.3 | R 89.5 | 0.0 | R 817.0 |
| 1975 | 0.0 | 0.0 | 31.2 | NA | NA | 31.2 | 0.0 | NA | NA | 31.2 | R 94.4 | 0.0 | R 771.8 |
| 1976 | 0.0 | 0.0 | 34.8 | NA | NA | 34.8 | 0.0 | NA | NA | 34.8 | R 77.2 | 0.0 | R 778.7 |
| 1977 | 0.0 | 0.0 | 36.2 | NA | NA | 36.2 | 0.0 | NA | NA | 36.2 | R 64.2 | 0.0 | R 818.9 |
| 1978 | 0.0 | 0.0 | 37.6 | NA | NA | 37.6 | 0.0 | NA | NA | 37.6 | R 51.0 | 0.0 | R 848.9 |
| 1979 | 0.0 | 0.0 | 37.5 | NA | NA | 37.5 | 0.0 | NA | NA | 37.5 | R 67.8 | 0.0 | R 877.6 |
| 1980 | 0.0 | 0.0 | 38.1 | NA | NA | 38.1 | 0.0 | NA | NA | 38.1 | R 67.3 | 0.0 | R 833.9 |
| 1981 | 0.0 | 0.0 | 41.1 | 0.0 | 0.0 | 41.1 | 0.0 | NA | NA | 41.1 | R 92.4 | 0.0 | R 817.7 |
| 1982 | 0.0 | 0.0 | 44.6 | 0.0 | 0.0 | 44.6 | 0.0 | NA | NA | 44.6 | R 78.0 | 0.0 | R 814.0 |
| 1983 | 0.0 | 0.0 | 45.1 | 0.0 | 0.0 | 45.1 | 0.0 | NA | 0.0 | 45.1 | R 126.2 | 0.0 | R 819.5 |
| 1984 | 1.8 | 0.0 | 50.5 | 0.0 | 0.0 | 50.5 | 0.0 | 0.0 | 0.0 | 50.5 | R 113.9 | 0.0 | R 858.6 |
| 1985 | 46.0 | 0.0 | 50.9 | 0.0 | 0.0 | 50.9 | 0.0 | 0.0 | 0.0 | 50.9 | R 82.6 | 0.0 | R 837.0 |
| 1986 | 43.2 | 0.0 | 49.2 | 0.0 | 0.0 | 49.2 | 0.0 | 0.0 | 0.0 | 49.2 | R 89.1 | 0.0 | R 848.0 |
| 1987 | 80.6 | 0.0 | 45.4 | 0.0 | 0.0 | 45.4 | 0.0 | 0.0 | 0.0 | 45.4 | R 58.4 | 0.0 | R 870.3 |
| 1988 | 101.6 | 0.0 | 47.4 | 0.0 | 0.0 | 47.4 | 0.0 | 0.0 | 0.0 | 47.4 | R 41.8 | 0.0 | R 919.2 |
| 1989 | 82.8 | 0.0 | 76.4 | 0.0 | 0.0 | 76.4 | (s) | (s) | 0.0 | 76.4 | R 106.7 | 0.0 | R 961.0 |
| 1990 | 78.5 | 0.0 | 84.8 | 0.0 | 0.0 | 84.8 | (s) | (s) | 0.0 | 84.9 | R 109.9 | 0.0 | R 1,015.6 |
| 1991 | 95.7 | 0.0 | 89.5 | 0.0 | 0.0 | 89.5 | (s) | (s) | 0.0 | 89.5 | R 115.4 | 0.0 | R 1,043.0 |
| 1992 | 85.6 | 0.0 | 90.8 | 0.0 | 0.0 | 90.8 | (s) | (s) | 0.0 | 90.8 | R 143.4 | 0.0 | R 1,062.5 |
| 1993 | 83.0 | 0.0 | 92.4 | 0.5 | 0.0 | 92.9 | 0.1 | (s) | 0.0 | 92.9 | R 135.1 | 0.0 | R 1,074.7 |
| 1994 | 100.5 | 0.0 | 94.8 | 0.3 | 0.0 | 95.1 | 0.1 | (s) | 0.0 | 95.2 | R 117.2 | 0.0 | R 1,083.9 |
| 1995 | 84.2 | 0.0 | 94.1 | 0.2 | 0.0 | 94.3 | 0.1 | (s) | 0.0 | 94.4 | R 124.4 | 0.0 | R 1,102.8 |
| 1996 | 96.9 | 0.0 | 85.6 | (s) | 0.0 | 85.6 | 0.2 | (s) | 0.0 | 85.8 | R 124.4 | 0.0 | R 1,136.7 |
| 1997 | 113.5 | 0.0 | 84.1 | 0.0 | 0.0 | 84.1 | 0.2 | (s) | 0.0 | 84.3 | R 103.7 | 0.0 | R 1,137.2 |
| 1998 | 96.4 | 0.0 | 63.9 | 0.0 | 0.0 | 63.9 | 0.2 | (s) | 0.0 | 64.2 | R 123.1 | 0.0 | R 1,130.2 |
| 1999 | 88.1 | 0.0 | 64.9 | 0.0 | 0.0 | 64.9 | 0.3 | (s) | 0.0 | 65.2 | R 129.7 | 0.0 | R 1,217.1 |
| 2000 | 111.5 | 0.0 | 75.2 | 0.0 | 0.0 | 75.2 | 0.3 | (s) | 0.0 | 75.5 | R 117.0 | 0.0 | R 1,225.4 |
| 2001 | 103.6 | 0.0 | 55.8 | 0.0 | 0.0 | 55.8 | 0.3 | (s) | 0.0 | 56.1 | R -18.8 | 0.0 | R 1,165.4 |
| 2002 | 105.0 | 0.0 | 49.3 | 0.0 | 0.0 | 49.3 | 0.3 | (s) | 0.0 | 49.6 | R 74.8 | 0.0 | R 1,172.6 |
| 2003 | 113.6 | 0.0 | 44.9 | 0.0 | 0.0 | 44.9 | 0.4 | (s) | 0.0 | 45.3 | R 91.4 | 0.0 | R 1,188.5 |
| 2004 | 106.7 | 0.0 | 60.8 | 0.0 | 0.0 | 60.8 | 0.5 | (s) | 0.0 | 61.3 | R 75.5 | 0.0 | R 1,206.9 |
| 2005 | 105.2 | 0.0 | R 62.1 | 0.1 | 0.0 | R 62.2 | 0.5 | (s) | 0.0 | R 62.8 | R 63.2 | 0.0 | R 1,181.3 |
| 2006 | 108.7 | 0.0 | R 62.6 | 0.1 | 0.0 | R 62.7 | 0.6 | (s) | 0.0 | R 63.3 | R 60.6 | 0.0 | R 1,210.8 |
| 2007 | 98.1 | 0.0 | R 63.1 | 0.3 | 0.0 | R 63.4 | 0.6 | (s) | 0.0 | R 64.0 | R 43.9 | 0.0 | R 1,231.8 |
| 2008 | 98.2 | 0.0 | R 46.0 | 2.8 | 0.3 | R 49.0 | 0.7 | (s) | 0.0 | R 49.7 | R 66.7 | 0.0 | R 1,179.7 |
| 2009 | 115.0 | 0.0 | 45.1 | 7.0 | 3.0 | 55.2 | 0.8 | (s) | 0.0 | 55.9 | 47.2 | 0.0 | 1,138.7 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 22 | 147 | 2,374 | 1,465 | 4,220 | 16,096 | 247 | 2,950 | 27,353 | 0 | – – | – – | – – | – – | 5,371 | – – | – – | – – |
| 1965 | 31 | 187 | 2,796 | 1,460 | 4,720 | 18,539 | 483 | 5,232 | 33,230 | 0 | – – | – – | – – | – – | 9,191 | – – | – – | – – |
| 1970 | 49 | 261 | 5,986 | 1,614 | 8,645 | 24,316 | 288 | 10,682 | 51,531 | 0 | – – | – – | – – | – – | 15,000 | – – | – – | – – |
| 1975 | 24 | 199 | 9,586 | 1,475 | 8,180 | 27,811 | 2,861 | 9,813 | 59,725 | 0 | – – | – – | – – | – – | 18,887 | – – | – – | – – |
| 1980 | 55 | 168 | 9,578 | 1,530 | 5,694 | 26,781 | 10,932 | 9,130 | 63,645 | 0 | – – | – – | – – | – – | 23,258 | – – | – – | – – |
| 1985 | 252 | 173 | 13,400 | 4,111 | 4,672 | 27,586 | 1,210 | 6,940 | 57,919 | 0 | – – | – – | – – | – – | 25,726 | – – | – – | – – |
| 1990 | 271 | 188 | 13,171 | 6,922 | 7,093 | 29,080 | 2,479 | 9,612 | 68,357 | 0 | – – | – – | – – | – – | 32,127 | – – | – – | – – |
| 1995 | 287 | 177 | 14,024 | 7,573 | 6,810 | 34,017 | 2,600 | 9,424 | 74,446 | 0 | – – | – – | – – | – – | 37,868 | – – | – – | – – |
| 2000 | 155 | 200 | 16,465 | 9,004 | 6,545 | 37,193 | 1,373 | 9,843 | 80,423 | 0 | – – | – – | – – | – – | 45,336 | – – | – – | – – |
| 2001 | 154 | 183 | 16,946 | 8,411 | 7,526 | 36,481 | 1,535 | 9,810 | 80,710 | 0 | – – | – – | – – | – – | 44,287 | – – | – – | – – |
| 2002 | 149 | 180 | 18,196 | 7,223 | 5,647 | 38,010 | 1,345 | 9,940 | 80,361 | 0 | – – | – – | – – | – – | 45,452 | – – | – – | – – |
| 2003 | 146 | 170 | 19,575 | 9,193 | 6,672 | 38,676 | 992 | 11,405 | 86,512 | 0 | – – | – – | – – | – – | 45,544 | – – | – – | – – |
| 2004 | 160 | 175 | 21,087 | 6,119 | 3,872 | 39,206 | 2,000 | 11,692 | 83,976 | 0 | – – | – – | – – | – – | 46,033 | – – | – – | – – |
| 2005 | 121 | 166 | 20,053 | 5,902 | 3,198 | 39,765 | 894 | 11,923 | 81,735 | 0 | – – | – – | – – | – – | 45,901 | – – | – – | – – |
| 2006 | 150 | 167 | 21,379 | 7,097 | 3,614 | 40,097 | 769 | 12,322 | 85,277 | 0 | – – | – – | – – | – – | 46,936 | – – | – – | – – |
| 2007 | 148 | 181 | 22,840 | 4,366 | 3,080 | 40,534 | 799 | 12,288 | 83,907 | 0 | – – | – – | – – | – – | 48,153 | – – | – – | – – |
| 2008 | 134 | 188 | 20,351 | 4,104 | 3,313 | 39,371 | 796 | 9,956 | 77,892 | 0 | – – | – – | – – | – – | 47,721 | – – | – – | – – |
| 2009 | 110 | 181 | 19,914 | 4,853 | 3,365 | 37,581 | 794 | 9,394 | 75,901 | 0 | – – | – – | – – | – – | 46,049 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.6 | 152.3 | 13.8 | 7.8 | 16.9 | 84.6 | 1.6 | 17.9 | 142.6 | 0.0 | 46.6 | NA | NA | NA | 18.3 | 360.4 | 45.3 | 405.7 |
| 1965 | 0.8 | 192.6 | 16.3 | 7.8 | 18.9 | 97.4 | 3.0 | 31.6 | 175.1 | 0.0 | 37.8 | NA | NA | NA | 31.4 | 437.6 | 74.9 | 512.5 |
| 1970 | 1.2 | 267.2 | 34.9 | 8.7 | 32.7 | 127.7 | 1.8 | 64.1 | 269.9 | 0.0 | 33.5 | NA | NA | NA | 51.2 | 623.0 | 123.8 | 746.8 |
| 1975 | 0.6 | 202.9 | 55.8 | 8.0 | 30.4 | 146.1 | 18.0 | 59.9 | 318.2 | 0.0 | 31.2 | NA | NA | NA | 64.4 | 617.2 | 154.6 | 771.8 |
| 1980 | 1.3 | 174.2 | 55.8 | 8.3 | 20.9 | 140.7 | 68.7 | 55.8 | 350.3 | 0.0 | 38.1 | NA | NA | NA | 79.4 | 643.2 | 190.6 | 833.9 |
| 1985 | 5.9 | 177.3 | 78.1 | 22.9 | 16.8 | 144.9 | 7.6 | 43.7 | 314.0 | 0.0 | 50.9 | 0.0 | NA | NA | 87.8 | 635.9 | 201.0 | 837.0 |
| 1990 | 6.3 | 194.5 | 76.7 | 39.0 | 25.7 | 152.8 | 15.6 | 59.0 | 368.7 | 0.0 | 84.8 | 0.0 | (s) | (s) | 109.6 | 764.1 | 251.5 | 1,015.6 |
| 1995 | 6.9 | 180.3 | 81.7 | 42.9 | 24.7 | 177.4 | 16.3 | 57.5 | 400.5 | 0.0 | 94.1 | 0.0 | 0.1 | (s) | 129.2 | 811.1 | 291.7 | 1,102.8 |
| 2000 | 3.7 | 208.6 | 95.9 | 51.1 | 23.6 | 193.8 | 8.6 | 60.0 | 433.0 | 0.0 | 75.2 | 0.0 | 0.3 | (s) | 154.7 | 875.5 | 349.9 | 1,225.4 |
| 2001 | 3.7 | 187.2 | 98.7 | 47.7 | 27.2 | 190.1 | 9.7 | 59.2 | 432.6 | 0.0 | 55.8 | 0.0 | 0.3 | (s) | 151.1 | 830.6 | 334.8 | 1,165.4 |
| 2002 | 3.6 | 186.7 | 106.0 | 41.0 | 20.4 | 198.0 | 8.5 | 60.1 | 433.9 | 0.0 | 49.3 | 0.0 | 0.3 | (s) | 155.1 | 829.0 | 343.7 | 1,172.6 |
| 2003 | 3.5 | 175.9 | 114.0 | 52.1 | 24.2 | 201.4 | 6.2 | 69.4 | 467.4 | 0.0 | 44.9 | 0.0 | 0.4 | (s) | 155.4 | 847.6 | 340.9 | 1,188.5 |
| 2004 | 3.7 | 179.6 | 122.8 | 34.7 | 14.0 | 204.5 | 12.6 | 71.2 | 459.8 | 0.0 | 60.8 | 0.0 | 0.5 | (s) | 157.1 | 861.4 | 345.5 | 1,206.9 |
| 2005 | 2.9 | 170.9 | 116.8 | 33.5 | 11.6 | 207.5 | 5.6 | 72.8 | 447.7 | 0.0 | 62.1 | 0.0 | 0.5 | (s) | 156.6 | 840.8 | 340.6 | 1,181.3 |
| 2006 | 3.6 | 171.5 | 124.5 | 40.2 | 13.0 | 209.2 | 4.8 | 76.2 | 468.1 | 0.0 | 62.6 | 0.0 | 0.6 | (s) | 160.1 | 866.5 | 344.3 | 1,210.8 |
| 2007 | 3.5 | 186.3 | 133.0 | 24.8 | 11.1 | 211.5 | 5.0 | 76.1 | 461.5 | 0.0 | 63.1 | 0.0 | 0.6 | (s) | 164.3 | 879.4 | 352.4 | 1,231.8 |
| 2008 | 3.1 | 192.8 | 118.5 | 23.3 | 11.9 | 205.4 | 5.0 | 61.3 | 425.5 | 0.0 | 46.0 | 0.3 | 0.7 | (s) | 162.8 | 831.2 | 348.5 | 1,179.7 |
| 2009 | 2.6 | 185.1 | 116.0 | 27.5 | 12.0 | 196.1 | 5.0 | 57.8 | 414.4 | 0.0 | 45.1 | 3.0 | 0.8 | (s) | 157.1 | 808.0 | 330.6 | 1,138.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 0 | 24 | 23 | 13 | 2,187 | 2,223 | 1,375 | – – | – – | 2,089 | – – | – – | – – |
| 1965 | 0 | 24 | 32 | 27 | 2,558 | 2,617 | 923 | – – | – – | 3,705 | – – | – – | – – |
| 1970 | 0 | 37 | 89 | 75 | 4,580 | 4,744 | 515 | – – | – – | 6,880 | – – | – – | – – |
| 1975 | 0 | 30 | 196 | 127 | 3,778 | 4,101 | 507 | – – | – – | 8,091 | – – | – – | – – |
| 1980 | (s) | 29 | 7 | 44 | 1,965 | 2,016 | 507 | – – | – – | 9,964 | – – | – – | – – |
| 1985 | (s) | 26 | 1 | 27 | 1,710 | 1,738 | 900 | – – | – – | 10,447 | – – | – – | – – |
| 1990 | (s) | 25 | 1 | 12 | 1,927 | 1,940 | 458 | – – | – – | 12,266 | – – | – – | – – |
| 1995 | 0 | 27 | (s) | 20 | 1,737 | 1,758 | 360 | – – | – – | 14,181 | – – | – – | – – |
| 1996 | 0 | 30 | 1 | 22 | 2,140 | 2,163 | 374 | – – | – – | 14,965 | – – | – – | – – |
| 1997 | (s) | 28 | (s) | 21 | 2,000 | 2,022 | 195 | – – | – – | 14,817 | – – | – – | – – |
| 1998 | 0 | 25 | 1 | 24 | 1,897 | 1,922 | 174 | – – | – – | 16,392 | – – | – – | – – |
| 1999 | 0 | 25 | 2 | 21 | 2,079 | 2,102 | 183 | – – | – – | 16,321 | – – | – – | – – |
| 2000 | 0 | 27 | 1 | 35 | 3,570 | 3,607 | 196 | – – | – – | 17,193 | – – | – – | – – |
| 2001 | 0 | 28 | 5 | 32 | 3,697 | 3,734 | 158 | – – | – – | 16,856 | – – | – – | – – |
| 2002 | 0 | 26 | 1 | 9 | 2,627 | 2,637 | 160 | – – | – – | 17,844 | – – | – – | – – |
| 2003 | 0 | 27 | 1 | 11 | 2,042 | 2,054 | 168 | – – | – – | 17,670 | – – | – – | – – |
| 2004 | 0 | 24 | 5 | 15 | 1,941 | 1,961 | 173 | – – | – – | 17,580 | – – | – – | – – |
| 2005 | 0 | 24 | 8 | 17 | 1,723 | 1,749 | R 242 | – – | – – | 17,953 | – – | – – | – – |
| 2006 | 0 | 21 | (s) | 14 | 1,637 | 1,652 | R 220 | – – | – – | 18,276 | – – | – – | – – |
| 2007 | 0 | 22 | (s) | 13 | 1,646 | 1,659 | R 243 | – – | – – | 18,566 | – – | – – | – – |
| 2008 | 0 | 24 | (s) | 4 | 1,984 | 1,988 | R 254 | – – | – – | 18,294 | – – | – – | – – |
| 2009 | 0 | 23 | (s) | 13 | 2,048 | 2,061 | 243 | – – | – – | 18,095 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.0 | 24.9 | 0.1 | 0.1 | 8.8 | 9.0 | 27.5 | NA | NA | 7.1 | 68.5 | 17.6 | 86.1 |
| 1965 | 0.0 | 24.8 | 0.2 | 0.2 | 10.3 | 10.6 | 18.5 | NA | NA | 12.6 | 66.5 | 30.2 | 96.7 |
| 1970 | 0.0 | 37.6 | 0.5 | 0.4 | 17.3 | 18.3 | 10.3 | NA | NA | 23.5 | 89.6 | 56.8 | 146.4 |
| 1975 | 0.0 | 30.2 | 1.1 | 0.7 | 14.0 | 15.9 | 10.1 | NA | NA | 27.6 | 83.8 | R 66.2 | R 150.1 |
| 1980 | (s) | 30.5 | (s) | 0.2 | 7.2 | 7.5 | 10.1 | NA | NA | 34.0 | 82.1 | R 81.7 | R 163.8 |
| 1985 | (s) | 26.3 | (s) | 0.2 | 6.2 | 6.3 | 18.0 | NA | NA | 35.6 | 86.3 | R 81.6 | R 168.0 |
| 1990 | (s) | 25.9 | (s) | 0.1 | 7.0 | 7.1 | 9.2 | (s) | (s) | 41.9 | 83.9 | R 96.0 | R 180.0 |
| 1995 | 0.0 | 27.5 | (s) | 0.1 | 6.3 | 6.4 | 7.2 | (s) | (s) | 48.4 | 89.6 | R 109.2 | R 198.8 |
| 1996 | 0.0 | 31.0 | (s) | 0.1 | 7.7 | 7.9 | 7.5 | (s) | (s) | 51.1 | 97.5 | R 115.4 | R 212.9 |
| 1997 | (s) | 28.6 | (s) | 0.1 | 7.2 | 7.4 | 3.9 | (s) | (s) | 50.6 | 90.5 | R 113.8 | R 204.3 |
| 1998 | 0.0 | 26.1 | (s) | 0.1 | 6.9 | 7.0 | 3.5 | (s) | (s) | 55.9 | 92.6 | R 126.0 | R 218.6 |
| 1999 | 0.0 | 25.6 | (s) | 0.1 | 7.5 | 7.6 | 3.7 | (s) | (s) | 55.7 | 92.6 | R 126.6 | R 219.2 |
| 2000 | 0.0 | 28.2 | (s) | 0.2 | 12.9 | 13.1 | 3.9 | (s) | (s) | 58.7 | 103.9 | R 132.7 | R 236.6 |
| 2001 | 0.0 | 28.5 | (s) | 0.2 | 13.4 | 13.6 | 3.2 | (s) | (s) | 57.5 | 102.8 | R 127.4 | R 230.2 |
| 2002 | 0.0 | 27.4 | (s) | 0.1 | 9.5 | 9.6 | 3.2 | (s) | (s) | 60.9 | 101.1 | R 134.9 | R 236.0 |
| 2003 | 0.0 | 27.5 | (s) | 0.1 | 7.4 | 7.5 | 3.4 | (s) | (s) | 60.3 | 98.7 | R 132.3 | R 231.0 |
| 2004 | 0.0 | 24.8 | (s) | 0.1 | 7.0 | 7.1 | 3.5 | (s) | (s) | 60.0 | 95.4 | R 131.9 | R 227.4 |
| 2005 | 0.0 | 25.2 | (s) | 0.1 | 6.2 | 6.4 | R 4.8 | (s) | (s) | 61.3 | 97.7 | R 133.2 | R 230.9 |
| 2006 | 0.0 | 22.0 | (s) | 0.1 | 5.9 | 6.0 | R 4.4 | (s) | (s) | 62.4 | 94.8 | R 134.1 | R 228.8 |
| 2007 | 0.0 | 22.9 | (s) | 0.1 | 5.9 | 6.0 | 4.9 | (s) | (s) | 63.3 | R 97.1 | R 135.9 | R 233.0 |
| 2008 | 0.0 | 24.5 | (s) | (s) | 7.1 | 7.2 | R 5.1 | (s) | (s) | 62.4 | R 99.2 | R 133.6 | R 232.8 |
| 2009 | 0.0 | 23.9 | (s) | 0.1 | 7.3 | 7.4 | 4.9 | (s) | (s) | 61.7 | 97.9 | 129.9 | 227.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 0 | 15 | 28 | 0 | 695 | 79 | 18 | 819 | NA | – – | – – | 1,278 | – – | – – | – – |
| 1965 | 0 | 12 | 39 | 0 | 812 | 88 | 33 | 971 | NA | – – | – – | 1,968 | – – | – – | – – |
| 1970 | 0 | 24 | 108 | 0 | 1,454 | 91 | 45 | 1,699 | NA | – – | – – | 3,019 | – – | – – | – – |
| 1975 | 0 | 24 | 239 | 0 | 1,200 | 105 | 898 | 2,441 | NA | – – | – – | 3,982 | – – | – – | – – |
| 1980 | 2 | 21 | 24 | 0 | 624 | 122 | 3,405 | 4,175 | NA | – – | – – | 5,110 | – – | – – | – – |
| 1985 | 1 | 17 | 755 | 39 | 543 | 134 | 11 | 1,482 | NA | – – | – – | 6,131 | – – | – – | – – |
| 1990 | (s) | 18 | 400 | 6 | 612 | 165 | 0 | 1,183 | 0 | – – | – – | 7,407 | – – | – – | – – |
| 1995 | 0 | 20 | 318 | 7 | 552 | 49 | 0 | 926 | 0 | – – | – – | 8,210 | – – | – – | – – |
| 1996 | 0 | 22 | 397 | 6 | 680 | 57 | 0 | 1,140 | 0 | – – | – – | 8,615 | – – | – – | – – |
| 1997 | (s) | 22 | 330 | 13 | 635 | 47 | 0 | 1,025 | 0 | – – | – – | 10,649 | – – | – – | – – |
| 1998 | 0 | 21 | 366 | 7 | 602 | 49 | 0 | 1,023 | 0 | – – | – – | 11,519 | – – | – – | – – |
| 1999 | 0 | 20 | 260 | 44 | 660 | 44 | 0 | 1,008 | 0 | – – | – – | 11,923 | – – | – – | – – |
| 2000 | 0 | 22 | 261 | 8 | 1,134 | 45 | 0 | 1,447 | 0 | – – | – – | 12,287 | – – | – – | – – |
| 2001 | 0 | 22 | 332 | 10 | 1,174 | 40 | 50 | 1,605 | 0 | – – | – – | 12,163 | – – | – – | – – |
| 2002 | 0 | 21 | 262 | 8 | 834 | 33 | 0 | 1,137 | 0 | – – | – – | 12,588 | – – | – – | – – |
| 2003 | 0 | 23 | 432 | 44 | 744 | 34 | 2 | 1,256 | 0 | – – | – – | 12,593 | – – | – – | – – |
| 2004 | 0 | 22 | 207 | 9 | 637 | 38 | 9 | 899 | 0 | – – | – – | 12,750 | – – | – – | – – |
| 2005 | 0 | 21 | 193 | 8 | 469 | 194 | 0 | 864 | 0 | – – | – – | 12,666 | – – | – – | – – |
| 2006 | 0 | 19 | 200 | 6 | 575 | 32 | 0 | 814 | 0 | – – | – – | 12,949 | – – | – – | – – |
| 2007 | 0 | 21 | 1,137 | 4 | 514 | 32 | 0 | 1,688 | 0 | – – | – – | 13,400 | – – | – – | – – |
| 2008 | 0 | 20 | R 521 | 2 | 556 | 37 | (s) | R 1,117 | 0 | – – | – – | 13,233 | – – | – – | – – |
| 2009 | 0 | 19 | 685 | 1 | 574 | 32 | 0 | 1,292 | 0 | – – | – – | 13,013 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 15.7 | 0.2 | 0.0 | 2.8 | 0.4 | 0.1 | 3.5 | NA | 0.5 | NA | 4.4 | 24.1 | 10.8 | 34.8 |
| 1965 | 0.0 | 12.8 | 0.2 | 0.0 | 3.3 | 0.5 | 0.2 | 4.2 | NA | 0.3 | NA | 6.7 | 24.0 | 16.0 | 40.0 |
| 1970 | 0.0 | 24.4 | 0.6 | 0.0 | 5.5 | 0.5 | 0.3 | 6.9 | NA | 0.2 | NA | 10.3 | 41.8 | 24.9 | R 66.7 |
| 1975 | 0.0 | 24.4 | 1.4 | 0.0 | 4.5 | 0.6 | 5.6 | 12.0 | NA | 0.2 | NA | 13.6 | 50.3 | R 32.6 | 82.9 |
| 1980 | (s) | 21.6 | 0.1 | 0.0 | 2.3 | 0.6 | 21.4 | 24.5 | NA | 0.3 | NA | 17.4 | 63.8 | R 41.9 | R 105.7 |
| 1985 | (s) | 17.0 | 4.4 | 0.2 | 2.0 | 0.7 | 0.1 | 7.3 | NA | 0.4 | NA | 20.9 | 45.7 | R 47.9 | R 93.6 |
| 1990 | (s) | 18.1 | 2.3 | (s) | 2.2 | 0.9 | 0.0 | 5.5 | 0.0 | 1.0 | (s) | 25.3 | 49.9 | R 58.0 | R 107.9 |
| 1995 | 0.0 | 20.3 | 1.9 | (s) | 2.0 | 0.3 | 0.0 | 4.1 | 0.0 | 1.0 | 0.1 | 28.0 | 53.6 | R 63.2 | R 116.8 |
| 1996 | 0.0 | 22.9 | 2.3 | (s) | 2.5 | 0.3 | 0.0 | 5.1 | 0.0 | 1.0 | 0.1 | 29.4 | 58.5 | R 66.4 | R 125.0 |
| 1997 | (s) | 22.9 | 1.9 | 0.1 | 2.3 | 0.2 | 0.0 | 4.5 | 0.0 | 0.7 | 0.2 | 36.3 | 64.5 | R 81.8 | R 146.3 |
| 1998 | 0.0 | 22.5 | 2.1 | (s) | 2.2 | 0.3 | 0.0 | 4.6 | 0.0 | 0.6 | 0.2 | 39.3 | 67.2 | R 88.6 | R 155.7 |
| 1999 | 0.0 | 21.1 | 1.5 | 0.2 | 2.4 | 0.2 | 0.0 | 4.4 | 0.0 | 0.6 | 0.2 | 40.7 | 66.9 | R 92.5 | R 159.4 |
| 2000 | 0.0 | 22.6 | 1.5 | (s) | 4.1 | 0.2 | 0.0 | 5.9 | 0.0 | 0.6 | 0.2 | 41.9 | 71.3 | R 94.8 | R 166.1 |
| 2001 | 0.0 | 22.1 | 1.9 | 0.1 | 4.2 | 0.2 | 0.3 | 6.8 | 0.0 | 0.6 | 0.3 | 41.5 | 71.1 | R 91.9 | R 163.1 |
| 2002 | 0.0 | 22.0 | 1.5 | (s) | 3.0 | 0.2 | 0.0 | 4.8 | 0.0 | 0.6 | 0.3 | 42.9 | 70.5 | R 95.2 | R 165.7 |
| 2003 | 0.0 | 23.8 | 2.5 | 0.2 | 2.7 | 0.2 | (s) | 5.7 | 0.0 | 0.6 | 0.4 | 43.0 | 73.3 | R 94.3 | R 167.6 |
| 2004 | 0.0 | 22.8 | 1.2 | 0.1 | 2.3 | 0.2 | 0.1 | 3.8 | 0.0 | 0.6 | 0.4 | 43.5 | 71.1 | R 95.7 | R 166.8 |
| 2005 | 0.0 | 21.5 | 1.1 | (s) | 1.7 | 1.0 | 0.0 | 3.9 | 0.0 | 0.8 | 0.5 | 43.2 | R 69.8 | R 94.0 | R 163.8 |
| 2006 | 0.0 | 19.9 | 1.2 | (s) | 2.1 | 0.2 | 0.0 | 3.4 | 0.0 | 0.7 | 0.5 | 44.2 | 68.8 | R 95.0 | R 163.7 |
| 2007 | 0.0 | 21.4 | 6.6 | (s) | 1.8 | 0.2 | 0.0 | 8.7 | 0.0 | 0.8 | 0.6 | 45.7 | 77.1 | R 98.1 | R 175.2 |
| 2008 | 0.0 | 20.7 | 3.0 | (s) | 2.0 | 0.2 | (s) | 5.2 | 0.0 | 0.8 | 0.6 | 45.1 | 72.5 | R 96.6 | R 169.2 |
| 2009 | 0.0 | 19.6 | 4.0 | (s) | 2.0 | 0.2 | 0.0 | 6.2 | 0.0 | 0.8 | 0.7 | 44.4 | 71.7 | 93.4 | 165.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 21 | 77 | 1,441 | 1,118 | 738 | 218 | 2,475 | 5,990 | 0 | – – | – – | – – | 2,004 | – – | – – | – – |
| 1965 | 31 | 105 | 1,590 | 1,117 | 610 | 149 | 4,430 | 7,896 | 0 | – – | – – | – – | 3,517 | – – | – – | – – |
| 1970 | 48 | 141 | 3,100 | 2,139 | 311 | 240 | 10,006 | 15,795 | 0 | – – | – – | – – | 5,101 | – – | – – | – – |
| 1975 | 24 | 107 | 4,455 | 2,739 | 218 | 778 | 9,176 | 17,366 | 0 | – – | – – | – – | 6,814 | – – | – – | – – |
| 1980 | 53 | 79 | 3,527 | 2,952 | 73 | 2,172 | 8,566 | 17,290 | 0 | – – | – – | – – | 8,184 | – – | – – | – – |
| 1985 | 251 | 105 | 3,814 | 2,187 | 751 | 89 | 6,480 | 13,321 | 0 | – – | – – | – – | 9,147 | – – | – – | – – |
| 1990 | 271 | 108 | 3,851 | 4,423 | 578 | 947 | 9,140 | 18,937 | 0 | – – | – – | – – | 12,454 | – – | – – | – – |
| 1995 | 287 | 88 | 3,881 | 4,448 | 427 | 81 | 8,989 | 17,826 | 0 | – – | – – | – – | 15,477 | – – | – – | – – |
| 1996 | 233 | 84 | 3,858 | 6,061 | 430 | 112 | 10,294 | 20,755 | 0 | – – | – – | – – | 16,043 | – – | – – | – – |
| 1997 | 238 | 88 | 4,643 | 397 | 488 | 31 | 10,812 | 16,371 | 0 | – – | – – | – – | 14,622 | – – | – – | – – |
| 1998 | 213 | 82 | 4,051 | 280 | 370 | 153 | 10,127 | 14,981 | 0 | – – | – – | – – | 14,599 | – – | – – | – – |
| 1999 | 184 | 124 | 3,926 | 2,232 | 733 | 11 | 10,308 | 17,211 | 0 | – – | – – | – – | 15,735 | – – | – – | – – |
| 2000 | 155 | 120 | 3,275 | 1,727 | 758 | 7 | 9,373 | 15,140 | 0 | – – | – – | – – | 15,856 | – – | – – | – – |
| 2001 | 154 | 103 | 3,700 | 2,631 | 1,086 | 195 | 9,362 | 16,974 | 0 | – – | – – | – – | 15,268 | – – | – – | – – |
| 2002 | 149 | 106 | 3,497 | 2,113 | 1,176 | 121 | 9,546 | 16,454 | 0 | – – | – – | – – | 15,021 | – – | – – | – – |
| 2003 | 146 | 94 | 3,246 | 3,843 | 1,239 | 169 | 11,005 | 19,503 | 0 | – – | – – | – – | 15,281 | – – | – – | – – |
| 2004 | 160 | 106 | 4,175 | 1,251 | 1,415 | 310 | 11,275 | 18,426 | 0 | – – | – – | – – | 15,702 | – – | – – | – – |
| 2005 | 121 | 99 | 3,188 | 960 | 1,383 | 294 | 11,577 | 17,402 | 0 | – – | – – | – – | 15,282 | – – | – – | – – |
| 2006 | 150 | 104 | 2,845 | 1,369 | 1,483 | 66 | R 11,923 | R 17,684 | 0 | – – | – – | – – | 15,712 | – – | – – | – – |
| 2007 | 148 | 111 | 3,113 | 891 | 628 | 115 | R 11,884 | R 16,630 | 0 | – – | – – | – – | 16,187 | – – | – – | – – |
| 2008 | 134 | 115 | R 2,701 | R 695 | 427 | 126 | R 9,593 | R 13,542 | 0 | – – | – – | – – | 16,195 | – – | – – | – – |
| 2009 | 110 | 110 | 2,132 | 687 | 437 | 55 | 9,074 | 12,385 | 0 | – – | – – | – – | 14,940 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.5 | 79.3 | 8.4 | 4.5 | 3.9 | 1.4 | 15.2 | 33.4 | 0.0 | 18.5 | NA | NA | 6.8 | 138.5 | 16.9 | 155.4 |
| 1965 | 0.8 | 108.5 | 9.3 | 4.5 | 3.2 | 0.9 | 27.2 | 45.1 | 0.0 | 19.0 | NA | NA | 12.0 | 185.3 | R 28.6 | 214.0 |
| 1970 | 1.2 | 144.4 | 18.1 | 8.1 | 1.6 | 1.5 | 60.3 | 89.6 | 0.0 | 23.0 | NA | NA | 17.4 | 275.6 | 42.1 | 317.7 |
| 1975 | 0.6 | 109.1 | 26.0 | 10.2 | 1.1 | 4.9 | 56.3 | 98.4 | 0.0 | 20.8 | NA | NA | 23.3 | 252.1 | R 55.8 | R 307.9 |
| 1980 | 1.2 | 81.5 | 20.5 | 10.8 | 0.4 | 13.7 | 52.6 | 98.0 | 0.0 | 27.7 | NA | NA | 27.9 | 236.4 | R 67.1 | R 303.5 |
| 1985 | 5.9 | 108.1 | 22.2 | 7.9 | 3.9 | 0.6 | 41.0 | 75.6 | 0.0 | 32.5 | 0.0 | NA | 31.2 | 253.2 | R 71.5 | R 324.7 |
| 1990 | 6.3 | 111.6 | 22.4 | 16.0 | 3.0 | 6.0 | 56.3 | 103.7 | 0.0 | 74.7 | 0.0 | 0.0 | 42.5 | 338.8 | R 97.5 | R 436.3 |
| 1995 | 6.9 | 89.9 | 22.6 | 16.1 | 2.2 | 0.5 | 55.0 | 96.4 | 0.0 | 85.9 | 0.0 | 0.0 | 52.8 | 331.9 | R 119.2 | R 451.1 |
| 1996 | 5.6 | 87.0 | 22.5 | 21.9 | 2.2 | 0.7 | 62.6 | 109.9 | 0.0 | 77.1 | 0.0 | 0.0 | 54.7 | 334.2 | R 123.7 | R 457.9 |
| 1997 | 5.6 | 90.8 | 27.0 | 1.4 | 2.5 | 0.2 | 65.9 | 97.1 | 0.0 | 79.6 | 0.0 | 0.0 | 49.9 | 323.0 | R 112.3 | R 435.3 |
| 1998 | 5.1 | 86.6 | 23.6 | 1.0 | 1.9 | 1.0 | 62.0 | 89.5 | 0.0 | 59.9 | 0.0 | 0.0 | 49.8 | 291.0 | R 112.3 | R 403.2 |
| 1999 | 4.4 | 129.2 | 22.9 | 8.1 | 3.8 | 0.1 | 63.0 | 97.9 | 0.0 | 60.7 | 0.0 | (s) | 53.7 | 346.0 | R 122.1 | R 468.0 |
| 2000 | 3.7 | 125.6 | 19.1 | 6.2 | 3.9 | (s) | 57.3 | 86.6 | 0.0 | 70.6 | 0.0 | (s) | 54.1 | 340.7 | R 122.4 | R 463.0 |
| 2001 | 3.7 | 105.6 | 21.5 | 9.5 | 5.7 | 1.2 | 56.6 | 94.6 | 0.0 | 52.1 | 0.0 | (s) | 52.1 | 308.2 | R 115.4 | R 423.6 |
| 2002 | 3.6 | 109.3 | 20.4 | 7.6 | 6.1 | 0.8 | 57.8 | 92.7 | 0.0 | 45.5 | 0.0 | (s) | 51.3 | 302.5 | R 113.6 | R 416.1 |
| 2003 | 3.5 | 97.6 | 18.9 | 13.9 | 6.5 | 1.1 | 67.1 | 107.5 | 0.0 | 41.0 | 0.0 | (s) | 52.1 | 301.8 | R 114.4 | R 416.1 |
| 2004 | 3.7 | 109.5 | 24.3 | 4.5 | 7.4 | 1.9 | 68.8 | 107.0 | 0.0 | 56.7 | 0.0 | (s) | 53.6 | 330.6 | R 117.8 | R 448.4 |
| 2005 | 2.9 | 102.1 | 18.6 | 3.5 | 7.2 | 1.9 | 70.7 | 101.8 | 0.0 | 56.5 | 0.0 | (s) | 52.1 | 315.5 | R 113.4 | R 428.9 |
| 2006 | 3.6 | 106.9 | 16.6 | 4.9 | 7.7 | 0.4 | R 73.9 | R 103.6 | 0.0 | R 57.5 | 0.0 | (s) | 53.6 | R 325.2 | R 115.2 | R 440.4 |
| 2007 | 3.5 | 114.0 | 18.1 | 3.2 | 3.3 | 0.7 | R 73.8 | R 99.1 | 0.0 | R 57.4 | 0.0 | (s) | 55.2 | R 329.3 | R 118.5 | R 447.8 |
| 2008 | 3.1 | 118.1 | R 15.7 | 2.5 | 2.2 | 0.8 | R 59.2 | R 80.4 | 0.0 | R 40.1 | 0.3 | (s) | 55.3 | R 297.3 | R 118.3 | R 415.6 |
| 2009 | 2.6 | 112.1 | 12.4 | 2.4 | 2.3 | 0.3 | 55.9 | 73.4 | 0.0 | 39.4 | 3.0 | (s) | 51.0 | 281.6 | 107.3 | 388.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | 31 | 170 | 882 | 1,465 | 220 | 292 | 15,279 | 11 | 18,320 | 0 | – – | – – | – – |
| 1965 | (s) | 45 | 463 | 1,136 | 1,460 | 233 | 312 | 17,842 | 301 | 21,747 | 0 | – – | – – | – – |
| 1970 | (s) | 59 | 318 | 2,690 | 1,614 | 472 | 283 | 23,914 | 3 | 29,293 | 0 | – – | – – | – – |
| 1975 | (s) | 38 | 203 | 4,696 | 1,475 | 464 | 307 | 27,489 | 1,184 | 35,817 | 0 | – – | – – | – – |
| 1980 | 0 | 39 | 206 | 6,020 | 1,530 | 152 | 315 | 26,585 | 5,355 | 40,163 | 0 | – – | – – | – – |
| 1985 | 0 | 25 | 108 | 8,830 | 4,111 | 232 | 286 | 26,701 | 1,110 | 41,379 | 0 | – – | – – | – – |
| 1990 | 0 | 38 | 132 | 8,920 | 6,922 | 131 | 322 | 28,337 | 1,532 | 46,296 | 0 | – – | – – | – – |
| 1995 | 0 | 42 | 100 | 9,825 | 7,573 | 72 | 307 | 33,540 | 2,519 | 53,937 | 0 | – – | – – | – – |
| 1996 | 0 | 49 | 61 | 10,506 | 7,157 | 64 | 298 | 33,690 | 1,675 | 53,451 | 0 | – – | – – | – – |
| 1997 | 0 | 45 | 66 | 11,629 | 7,916 | 58 | 315 | 34,858 | 1,251 | 56,094 | 0 | – – | – – | – – |
| 1998 | 0 | 36 | 99 | 12,458 | 7,690 | 7 | 330 | 36,290 | 1,040 | 57,913 | 0 | – – | – – | – – |
| 1999 | 0 | 32 | 80 | 13,260 | 9,658 | 341 | 333 | 37,644 | 916 | 62,232 | 0 | – – | – – | – – |
| 2000 | 0 | 31 | 98 | 12,927 | 9,004 | 114 | 328 | 36,391 | 1,366 | 60,228 | 0 | – – | – – | – – |
| 2001 | 0 | 30 | 106 | 12,909 | 8,411 | 24 | 301 | 35,355 | 1,291 | 58,397 | 0 | – – | – – | – – |
| 2002 | 0 | 27 | 79 | 14,436 | 7,223 | 72 | 297 | 36,801 | 1,224 | 60,133 | 0 | – – | – – | – – |
| 2003 | 0 | 26 | 69 | 15,896 | 9,193 | 43 | 275 | 37,402 | 821 | 63,699 | R 0 | – – | – – | – – |
| 2004 | 0 | 22 | 114 | 16,700 | 6,119 | 43 | 278 | 37,753 | 1,681 | 62,689 | R 0 | – – | – – | – – |
| 2005 | 0 | 22 | 45 | 16,664 | 5,902 | 45 | 277 | 38,188 | 600 | 61,721 | R 0 | – – | – – | – – |
| 2006 | 0 | 22 | 109 | 18,333 | 7,097 | 32 | 270 | 38,582 | 703 | 65,127 | R 0 | – – | – – | – – |
| 2007 | 0 | 27 | 108 | 18,590 | 4,366 | 30 | 279 | 39,874 | 684 | 63,931 | R 0 | – – | – – | – – |
| 2008 | 0 | 29 | 98 | R 17,129 | 4,104 | R 78 | 259 | 38,906 | 670 | R 61,244 | R 0 | – – | – – | – – |
| 2009 | 0 | 29 | 73 | 17,097 | 4,853 | 56 | 233 | 37,112 | 739 | 60,163 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 32.5 | 0.9 | 5.1 | 7.8 | 0.9 | 1.8 | 80.3 | 0.1 | 96.8 | 0.0 | 129.3 | 0.0 | 129.3 |
| 1965 | (s) | 46.6 | 2.3 | 6.6 | 7.8 | 0.9 | 1.9 | 93.7 | 1.9 | 115.2 | 0.0 | 161.8 | 0.0 | 161.8 |
| 1970 | (s) | 60.8 | 1.6 | 15.7 | 8.7 | 1.8 | 1.7 | 125.6 | (s) | 155.2 | 0.0 | 216.0 | 0.0 | 216.0 |
| 1975 | (s) | 39.2 | 1.0 | 27.4 | 8.0 | 1.7 | 1.9 | 144.4 | 7.4 | 191.8 | 0.0 | 231.0 | 0.0 | 231.0 |
| 1980 | 0.0 | 40.6 | 1.0 | 35.1 | 8.3 | 0.6 | 1.9 | 139.7 | 33.7 | 220.2 | 0.0 | 260.8 | 0.0 | 260.8 |
| 1985 | 0.0 | 25.9 | 0.5 | 51.4 | 22.9 | 0.8 | 1.7 | 140.3 | 7.0 | 224.7 | 0.0 | 250.7 | 0.0 | 250.7 |
| 1990 | 0.0 | 39.0 | 0.7 | 52.0 | 39.0 | 0.5 | 2.0 | 148.9 | 9.6 | 252.5 | 0.0 | 291.5 | 0.0 | 291.5 |
| 1995 | 0.0 | 42.6 | 0.5 | 57.2 | 42.9 | 0.3 | 1.9 | 174.9 | 15.8 | 293.5 | 0.0 | 336.1 | 0.0 | 336.1 |
| 1996 | 0.0 | 50.6 | 0.3 | 61.2 | 40.6 | 0.2 | 1.8 | 175.7 | 10.5 | 290.4 | 0.0 | 341.0 | 0.0 | 341.0 |
| 1997 | 0.0 | 46.7 | 0.3 | 67.7 | 44.9 | 0.2 | 1.9 | 181.7 | 7.9 | 304.7 | 0.0 | 351.3 | 0.0 | 351.3 |
| 1998 | 0.0 | 38.2 | 0.5 | 72.6 | 43.6 | (s) | 2.0 | 189.1 | 6.5 | 314.4 | 0.0 | 352.6 | 0.0 | 352.6 |
| 1999 | 0.0 | 32.9 | 0.4 | 77.2 | 54.8 | 1.2 | 2.0 | 196.2 | 5.8 | 337.6 | 0.0 | 370.5 | 0.0 | 370.5 |
| 2000 | 0.0 | 32.2 | 0.5 | 75.3 | 51.1 | 0.4 | 2.0 | 189.6 | 8.6 | 327.4 | 0.0 | 359.7 | 0.0 | 359.7 |
| 2001 | 0.0 | 30.9 | 0.5 | 75.2 | 47.7 | 0.1 | 1.8 | 184.2 | 8.1 | 317.6 | 0.0 | 348.6 | 0.0 | 348.6 |
| 2002 | 0.0 | 28.0 | 0.4 | 84.1 | 41.0 | 0.3 | 1.8 | 191.7 | 7.7 | 326.9 | 0.0 | 354.9 | 0.0 | 354.9 |
| 2003 | 0.0 | 27.0 | 0.3 | 92.6 | 52.1 | 0.2 | 1.7 | 194.8 | 5.2 | 346.8 | R 0.0 | 373.8 | R 0.0 | 373.8 |
| 2004 | 0.0 | 22.5 | 0.6 | 97.3 | 34.7 | 0.2 | 1.7 | 196.9 | 10.6 | 341.8 | R 0.0 | 364.4 | R 0.0 | 364.4 |
| 2005 | 0.0 | 22.1 | 0.2 | 97.1 | 33.5 | 0.2 | 1.7 | 199.3 | 3.8 | 335.6 | R 0.0 | 357.8 | R 0.0 | 357.8 |
| 2006 | 0.0 | 22.7 | 0.6 | 106.8 | 40.2 | 0.1 | 1.6 | 201.3 | 4.4 | 355.1 | R 0.0 | 377.8 | R 0.0 | 377.8 |
| 2007 | 0.0 | 28.1 | 0.5 | 108.3 | 24.8 | 0.1 | 1.7 | 208.1 | 4.3 | 347.8 | R 0.0 | 375.9 | R 0.0 | 375.9 |
| 2008 | 0.0 | 29.5 | 0.5 | R 99.8 | 23.3 | 0.3 | 1.6 | 203.0 | 4.2 | R 332.6 | R 0.0 | R 362.1 | R 0.0 | R 362.1 |
| 2009 | 0.0 | 29.4 | 0.4 | 99.6 | 27.5 | 0.2 | 1.4 | 193.7 | 4.6 | 327.4 | 0.0 | 356.8 | 0.0 | 356.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Mississippi

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 8 | 34 | 64 | 1 | 0 | 65 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 9 | 56 | 6 | (s) | 0 | 7 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 500 | 100 | 415 | 5 | 0 | 420 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 1,416 | 32 | 9,203 | 266 | 0 | 9,469 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 3,072 | 95 | 5,078 | 70 | 0 | 5,149 | 0 | 0 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 4,267 | 54 | 108 | 61 | 0 | 169 | 4,332 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 3,888 | 65 | 1,179 | 50 | 0 | 1,228 | 7,422 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 4,319 | 111 | 7 | 41 | 0 | 48 | 8,013 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 5,558 | 83 | 1,703 | 89 | 0 | 1,792 | 9,225 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 6,035 | 73 | 4,035 | 51 | 0 | 4,086 | 10,813 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 5,684 | 76 | 8,314 | 61 | 0 | 8,376 | 9,191 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 6,022 | 106 | 4,916 | 62 | 0 | 4,978 | 8,428 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 6,232 | 101 | 4,533 | 53 | 0 | 4,585 | 10,695 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 8,334 | 149 | 8,348 | 49 | 0 | 8,396 | 9,924 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 7,869 | 164 | 23 | 31 | 0 | 54 | 10,059 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 9,545 | 96 | 2,600 | 35 | 0 | 2,635 | 10,902 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 9,950 | 107 | 4,449 | 44 | 0 | 4,493 | 10,233 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 9,760 | 136 | 2,388 | 90 | 0 | 2,478 | 10,078 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 10,378 | 140 | 650 | 28 | 0 | 678 | 10,419 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 9,895 | 183 | 650 | 69 | 0 | 719 | 9,359 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 9,497 | 167 | 110 | 40 | 0 | 150 | 9,397 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 8,424 | 183 | 12 | 23 | 0 | 35 | 10,999 | 0 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 35.6 | 0.4 | (s) | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 36.2 |
| 1965 | 0.2 | 58.0 | (s) | (s) | 0.0 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 58.3 |
| 1970 | 12.1 | 102.2 | 2.6 | (s) | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 116.9 |
| 1975 | 32.8 | 32.5 | 57.9 | 1.5 | 0.0 | 59.4 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 124.7 |
| 1980 | 73.7 | 96.7 | 31.9 | 0.4 | 0.0 | 32.3 | 0.0 | 0.0 | 0.0 | 0.0 | NA | NA | 0.0 | 202.7 |
| 1985 | 103.5 | 55.7 | 0.7 | 0.4 | 0.0 | 1.0 | 46.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 206.2 |
| 1990 | 97.6 | 67.4 | 7.4 | 0.3 | 0.0 | 7.7 | 78.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 251.3 |
| 1995 | 96.9 | 115.1 | (s) | 0.2 | 0.0 | 0.3 | 84.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 296.4 |
| 1996 | 122.2 | 85.9 | 10.7 | 0.5 | 0.0 | 11.2 | 96.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 316.3 |
| 1997 | 126.5 | 75.3 | 25.4 | 0.3 | 0.0 | 25.7 | 113.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 341.0 |
| 1998 | 120.8 | 79.0 | 52.3 | 0.4 | 0.0 | 52.6 | 96.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 348.8 |
| 1999 | 133.2 | 109.0 | 30.9 | 0.4 | 0.0 | 31.3 | 88.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 361.5 |
| 2000 | 143.8 | 103.5 | 28.5 | 0.3 | 0.0 | 28.8 | 111.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 387.6 |
| 2001 | 194.6 | 153.7 | 52.5 | 0.3 | 0.0 | 52.8 | 103.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 504.7 |
| 2002 | 150.7 | 167.8 | 0.1 | 0.2 | 0.0 | 0.3 | 105.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 423.9 |
| 2003 | 175.4 | 99.3 | 16.3 | 0.2 | 0.0 | 16.6 | 113.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 404.8 |
| 2004 | 181.2 | 110.9 | 28.0 | 0.3 | 0.0 | 28.2 | 106.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 427.1 |
| 2005 | 173.4 | 139.9 | 15.0 | 0.5 | 0.0 | 15.5 | 105.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 434.0 |
| 2006 | 186.4 | 144.4 | 4.1 | 0.2 | 0.0 | 4.2 | 108.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 443.9 |
| 2007 | 181.5 | 188.7 | 4.1 | 0.4 | 0.0 | 4.5 | 98.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 472.8 |
| 2008 | 174.0 | 171.4 | 0.7 | 0.2 | 0.0 | 0.9 | 98.2 | 0.0 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 444.6 |
| 2009 | 139.1 | 186.2 | 0.1 | 0.1 | 0.0 | 0.2 | 115.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Missouri

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 7,509 | 261 | 12,817 | 1,249 | 5,994 | 40,807 | 3,179 | 10,815 | 74,860 | 0 | 726 | NA |
| 1965 | 8,534 | 341 | 13,803 | 3,625 | 7,692 | 45,015 | 3,449 | 13,310 | 86,894 | 0 | 802 | NA |
| 1970 | 12,863 | 430 | 16,235 | 8,074 | 11,771 | 56,041 | 3,570 | 13,097 | 108,789 | 0 | 927 | NA |
| 1971 | 13,510 | 429 | 16,365 | 8,024 | 11,890 | 58,707 | 2,923 | 12,230 | 110,139 | 0 | 703 | NA |
| 1972 | 15,382 | 425 | 18,256 | 8,366 | 12,451 | 61,213 | 2,731 | 12,368 | 115,384 | 0 | 612 | NA |
| 1973 | 17,652 | 427 | 19,038 | 8,019 | 12,445 | 62,431 | 2,874 | 14,037 | 118,843 | 0 | 2,008 | NA |
| 1974 | 17,646 | 410 | 17,555 | 7,642 | 12,436 | 61,500 | 2,565 | 13,482 | 115,180 | 0 | 1,713 | NA |
| 1975 | 19,955 | 370 | 17,819 | 8,311 | 12,995 | 62,342 | 2,521 | 11,952 | 115,940 | 0 | 1,280 | NA |
| 1976 | 21,517 | 380 | 19,874 | 7,870 | 13,255 | 65,111 | 3,041 | 15,120 | 124,272 | 0 | 740 | NA |
| 1977 | 23,075 | 367 | 20,736 | 7,963 | 13,354 | 66,596 | 3,658 | 16,927 | 129,234 | 0 | 454 | NA |
| 1978 | 22,538 | 359 | 23,138 | 8,114 | 13,171 | 67,945 | 3,716 | 18,379 | 134,462 | 0 | 1,017 | NA |
| 1979 | 23,780 | 347 | 23,152 | 7,480 | 13,548 | 63,350 | 3,512 | 18,623 | 129,665 | 0 | 1,100 | NA |
| 1980 | 24,845 | 318 | 18,390 | 6,268 | 9,121 | 58,966 | 1,427 | 17,466 | 111,638 | 0 | 558 | NA |
| 1981 | 25,199 | 284 | 18,221 | 4,741 | 7,391 | 58,581 | 667 | 16,361 | 105,962 | 0 | 669 | 0 |
| 1982 | 24,405 | 279 | 20,921 | 4,371 | 8,945 | 57,855 | 730 | 13,676 | 106,499 | 0 | 1,656 | 21 |
| 1983 | 26,267 | 259 | 16,952 | 5,457 | 9,000 | 58,742 | 598 | 12,056 | 102,805 | 0 | 1,716 | 16 |
| 1984 | 27,607 | 265 | 18,640 | 5,615 | 5,566 | 59,930 | 373 | 14,044 | 104,168 | 920 | 1,587 | 31 |
| 1985 | 24,733 | 260 | 19,987 | 5,889 | 5,583 | 60,036 | 732 | 13,699 | 105,926 | 8,030 | 2,993 | 35 |
| 1986 | 23,821 | 242 | 18,448 | 6,710 | 5,907 | 63,388 | 551 | 14,382 | 109,387 | 7,170 | 1,996 | 31 |
| 1987 | 24,764 | 232 | 20,115 | 7,463 | 6,226 | 63,758 | 680 | 15,020 | 113,262 | 6,284 | 1,447 | 53 |
| 1988 | 26,118 | 253 | 21,667 | 7,307 | 6,555 | 64,863 | 754 | 16,313 | 117,459 | 8,935 | 1,511 | 328 |
| 1989 | 26,348 | 253 | 22,550 | 7,277 | 8,306 | 63,715 | 556 | 14,983 | 117,387 | 8,344 | 1,094 | 454 |
| 1990 | 25,836 | 239 | 21,188 | 6,647 | 6,874 | 63,994 | 620 | 15,629 | 114,952 | 7,998 | 2,192 | 631 |
| 1991 | 25,773 | 256 | 20,152 | 7,506 | 8,633 | 63,908 | 545 | 9,894 | 110,638 | 9,979 | 1,119 | 570 |
| 1992 | 25,180 | 241 | 21,930 | 7,522 | 8,470 | 65,260 | 659 | 10,518 | 114,359 | 8,084 | 1,481 | 672 |
| 1993 | 23,381 | 280 | 22,198 | 9,034 | 9,586 | 66,109 | 1,066 | 11,139 | 119,131 | 8,381 | 3,184 | 768 |
| 1994 | 27,663 | 267 | 23,150 | 10,623 | 9,407 | 67,526 | 526 | 13,447 | 124,680 | 10,006 | 1,916 | 861 |
| 1995 | 31,753 | 279 | 24,122 | 11,425 | 11,085 | 68,930 | 354 | 12,680 | 128,597 | 8,242 | 1,919 | 576 |
| 1996 | 34,382 | 294 | 27,137 | 12,133 | 12,965 | 69,947 | 360 | 10,798 | 133,341 | 8,890 | 1,314 | 303 |
| 1997 | 36,860 | 283 | 28,760 | 12,325 | 11,200 | 70,581 | 253 | 9,217 | 132,337 | 8,955 | 1,593 | 167 |
| 1998 | 38,549 | 259 | 36,172 | 12,758 | 8,134 | 71,675 | 233 | 10,621 | 139,593 | 8,517 | 2,347 | 189 |
| 1999 | 37,975 | 266 | 36,225 | 12,760 | 12,671 | 71,189 | 140 | 12,498 | 145,484 | 8,587 | 1,853 | 406 |
| 2000 | 38,300 | 285 | 28,818 | 4,906 | 10,820 | 73,852 | 109 | 10,376 | 128,881 | 9,992 | 600 | 696 |
| 2001 | 39,812 | 284 | 29,913 | 7,493 | 12,897 | 72,510 | 141 | 14,150 | 137,104 | 8,384 | 1,104 | 632 |
| 2002 | 40,885 | 276 | 29,381 | 9,535 | 12,722 | 73,737 | 112 | 12,800 | 138,286 | 8,390 | 1,357 | 1,520 |
| 2003 | 45,028 | 263 | 31,143 | 8,048 | 12,360 | 76,754 | 118 | 12,205 | 140,627 | 9,700 | 652 | 2,160 |
| 2004 | 45,635 | 264 | 33,955 | 3,999 | 12,234 | 77,040 | 161 | 15,328 | 142,717 | 7,831 | 1,480 | 2,305 |
| 2005 | 47,033 | 268 | 33,124 | 6,599 | 10,795 | 76,998 | 110 | 14,581 | 142,207 | 8,031 | 1,159 | 2,841 |
| 2006 | 46,884 | 253 | 33,474 | 6,574 | 8,917 | 77,084 | 70 | R 14,478 | R 140,596 | 10,117 | 199 | 2,834 |
| 2007 | 45,376 | 273 | 34,364 | 6,339 | 10,573 | 77,817 | 38 | R 12,636 | R 141,767 | 9,372 | 1,204 | 3,920 |
| 2008 | 44,902 | 296 | R 30,584 | 5,586 | 10,473 | 76,835 | 34 | R 10,966 | R 134,478 | 9,379 | 2,047 | 5,708 |
| 2009 | 43,614 | 265 | 29,402 | 3,635 | 9,260 | 76,379 | 32 | 8,661 | 127,369 | 10,247 | 1,817 | 5,381 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Missouri
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 170.9 | 270.1 | 74.7 | 7.0 | 24.0 | 214.4 | 20.0 | 64.6 | 404.6 | 845.6 | *270.1* | *214.4* |
| 1965 | 189.6 | 348.0 | 80.4 | 20.4 | 30.9 | 236.5 | 21.7 | 78.6 | 468.4 | 1,006.0 | *348.0* | *236.5* |
| 1970 | 279.2 | 432.5 | 94.6 | 45.7 | 44.5 | 294.4 | 22.4 | 79.8 | 581.3 | 1,293.1 | *432.5* | *294.4* |
| 1971 | 294.1 | 432.1 | 95.3 | 45.4 | 44.8 | 308.4 | 18.4 | 75.3 | 587.6 | 1,313.9 | *432.1* | *308.4* |
| 1972 | 334.4 | 428.2 | 106.3 | 47.3 | 46.8 | 321.6 | 17.2 | 76.0 | 615.2 | 1,377.8 | *428.2* | *321.6* |
| 1973 | 383.5 | 424.7 | 110.9 | 45.4 | 46.6 | 327.9 | 18.1 | 86.6 | 635.5 | 1,443.7 | *424.7* | *327.9* |
| 1974 | 382.0 | 411.9 | 102.3 | 43.2 | 46.4 | 323.1 | 16.1 | 83.2 | 614.2 | 1,408.2 | *411.9* | *323.1* |
| 1975 | 430.2 | 371.8 | 103.8 | 47.0 | 48.3 | 327.5 | 15.9 | 73.6 | 616.0 | 1,418.1 | *371.8* | *327.5* |
| 1976 | 468.3 | 381.4 | 115.8 | 44.5 | 49.2 | 342.0 | 19.1 | 90.6 | 661.3 | 1,511.0 | *381.4* | *342.0* |
| 1977 | 503.9 | 367.7 | 120.8 | 45.1 | 49.1 | 349.8 | 23.0 | 101.6 | 689.3 | 1,561.0 | *367.7* | *349.8* |
| 1978 | 485.7 | 360.3 | 134.8 | 45.9 | 48.3 | 356.9 | 23.4 | 110.5 | 719.8 | 1,565.8 | *360.3* | *356.9* |
| 1979 | 512.5 | 340.1 | 134.9 | 42.4 | 49.9 | 332.8 | 22.1 | 110.3 | 692.3 | 1,544.9 | *340.1* | *332.8* |
| 1980 | 531.4 | 322.8 | 107.1 | 35.5 | 33.5 | 309.8 | 9.0 | 102.2 | 597.0 | 1,451.3 | *322.9* | *309.8* |
| 1981 | 536.0 | 287.7 | 106.1 | 26.8 | 26.9 | 307.7 | 4.2 | 95.3 | 567.1 | 1,390.9 | *287.8* | *307.7* |
| 1982 | 523.8 | 282.3 | 121.9 | 24.7 | 32.3 | 303.9 | 4.6 | 79.9 | 567.3 | 1,373.5 | *284.5* | *303.9* |
| 1983 | 564.4 | 264.2 | 98.7 | 30.9 | 32.5 | 308.6 | 3.8 | 71.3 | 545.8 | 1,374.4 | *265.5* | *308.6* |
| 1984 | 593.3 | 269.1 | 108.6 | 31.8 | 20.0 | 314.8 | 2.3 | 82.1 | 559.6 | 1,422.0 | *269.5* | *314.8* |
| 1985 | 529.7 | 264.0 | 116.4 | 33.3 | 20.1 | 315.4 | 4.6 | 80.7 | 570.6 | 1,364.2 | *264.3* | *315.4* |
| 1986 | 512.3 | 244.3 | 107.5 | 38.0 | 21.5 | 333.0 | 3.5 | 85.2 | 588.5 | 1,345.2 | *244.3* | *333.0* |
| 1987 | 528.0 | 234.5 | 117.2 | 42.2 | 22.8 | 334.9 | 4.3 | 88.5 | 609.9 | 1,372.4 | *234.5* | *334.9* |
| 1988 | 547.3 | 254.4 | 126.2 | 41.3 | 23.9 | 340.7 | 4.7 | 97.3 | 634.3 | 1,436.0 | *254.4* | *340.7* |
| 1989 | 550.4 | 252.7 | 131.4 | 41.2 | 30.6 | 334.7 | 3.5 | 88.6 | 629.9 | 1,432.9 | *254.5* | *334.7* |
| 1990 | 539.6 | 241.3 | 123.4 | 37.6 | 24.9 | 336.2 | 3.9 | 92.2 | 618.2 | 1,399.1 | *241.3* | *336.2* |
| 1991 | 533.9 | 258.6 | 117.4 | 42.5 | 31.2 | 335.7 | 3.4 | 60.3 | 590.5 | 1,383.0 | *258.6* | *335.7* |
| 1992 | 522.3 | 241.2 | 127.7 | 42.6 | 30.7 | 342.8 | 4.1 | 63.7 | 611.7 | 1,375.2 | *241.2* | *342.8* |
| 1993 | 467.8 | 280.7 | 129.3 | 51.2 | 34.6 | R 344.6 | 6.7 | 67.6 | 633.9 | R 1,382.4 | *280.7* | *347.3* |
| 1994 | 540.0 | 267.8 | 134.8 | 60.2 | 34.2 | R 350.2 | 3.3 | 82.5 | R 665.2 | 1,472.9 | *268.1* | *353.2* |
| 1995 | 593.7 | 281.1 | 140.5 | 64.8 | 40.2 | R 357.5 | 2.2 | 77.7 | R 682.9 | 1,557.6 | *281.1* | *359.5* |
| 1996 | 631.1 | 296.4 | 158.1 | 68.8 | 46.8 | 363.8 | 2.3 | 66.9 | 706.7 | 1,634.2 | *297.2* | *364.8* |
| 1997 | 670.6 | 285.4 | 167.5 | 69.9 | 40.5 | R 367.4 | 1.6 | 56.6 | 703.5 | R 1,659.5 | *286.1* | *367.9* |
| 1998 | 695.7 | 261.5 | 210.7 | 72.3 | 29.4 | 372.9 | 1.5 | 64.8 | 751.6 | 1,708.8 | *261.5* | *373.6* |
| 1999 | 687.2 | 269.1 | 211.0 | 72.3 | 45.8 | R 369.6 | 0.9 | 76.6 | 776.2 | R 1,732.5 | *269.3* | *371.0* |
| 2000 | 688.9 | 288.1 | 167.9 | 27.8 | 39.0 | R 382.4 | 0.7 | 63.5 | R 681.3 | 1,658.2 | *289.0* | *384.8* |
| 2001 | 716.4 | 288.6 | 174.2 | 42.5 | 46.6 | R 375.6 | 0.9 | 87.3 | R 727.1 | 1,732.0 | *288.6* | *377.8* |
| 2002 | 725.7 | 278.9 | 171.1 | 54.1 | 46.0 | R 378.7 | 0.7 | 78.7 | R 729.3 | R 1,733.8 | *278.9* | *384.0* |
| 2003 | 795.6 | 265.1 | 181.4 | 45.6 | 44.9 | R 392.2 | 0.7 | 75.2 | R 740.0 | R 1,800.8 | *266.2* | *399.7* |
| 2004 | 807.5 | 268.3 | 197.8 | 22.7 | 44.3 | R 393.8 | 1.0 | 94.7 | R 754.2 | R 1,830.0 | *269.2* | *401.8* |
| 2005 | 835.7 | 273.4 | 192.9 | 37.4 | 39.1 | R 391.9 | 0.7 | 90.1 | R 752.1 | R 1,861.2 | *273.4* | *401.8* |
| 2006 | 829.1 | 257.9 | 195.0 | 37.3 | 32.1 | R 392.4 | 0.4 | R 89.4 | R 746.7 | R 1,833.6 | *258.0* | *402.2* |
| 2007 | 802.9 | 277.6 | 200.2 | 35.9 | 38.0 | R 392.5 | 0.2 | R 77.6 | R 744.5 | R 1,825.0 | *277.7* | *406.1* |
| 2008 | 792.9 | 298.1 | R 178.2 | 31.7 | 37.7 | R 381.1 | 0.2 | R 66.9 | R 695.8 | R 1,786.8 | *298.1* | *400.9* |
| 2009 | 765.6 | 266.5 | 171.3 | 20.6 | 32.9 | 379.9 | 0.2 | 53.0 | 658.0 | 1,690.1 | *266.5* | *398.5* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Missouri (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 7.8 | 33.6 | NA | NA | 33.6 | 0.0 | NA | NA | 41.4 | 13.9 | 0.0 | 900.9 |
| 1965 | 0.0 | 8.4 | 27.0 | NA | NA | 27.0 | 0.0 | NA | NA | 35.4 | 8.1 | 0.0 | 1,049.5 |
| 1970 | 0.0 | 9.7 | 23.6 | NA | NA | 23.6 | 0.0 | NA | NA | 33.3 | R -7.5 | 0.0 | R 1,318.9 |
| 1971 | 0.0 | 7.4 | 23.0 | NA | NA | 23.0 | 0.0 | NA | NA | 30.4 | R -14.7 | 0.0 | R 1,329.6 |
| 1972 | 0.0 | 6.4 | 23.0 | NA | NA | 23.0 | 0.0 | NA | NA | 29.4 | R -20.5 | 0.0 | R 1,386.6 |
| 1973 | 0.0 | 20.9 | 22.9 | NA | NA | 22.9 | 0.0 | NA | NA | 43.8 | R -65.3 | 0.0 | R 1,422.1 |
| 1974 | 0.0 | 17.9 | 26.1 | NA | NA | 26.1 | 0.0 | NA | NA | 44.0 | R -49.7 | 0.0 | R 1,402.5 |
| 1975 | 0.0 | 13.3 | 27.1 | NA | NA | 27.1 | 0.0 | NA | NA | 40.4 | R -43.2 | 0.0 | R 1,415.3 |
| 1976 | 0.0 | 7.7 | 31.9 | NA | NA | 31.9 | 0.0 | NA | NA | 39.5 | R -62.0 | 0.0 | R 1,488.6 |
| 1977 | 0.0 | 4.7 | 33.2 | NA | NA | 33.2 | 0.0 | NA | NA | 38.0 | R -71.5 | 0.0 | R 1,527.5 |
| 1978 | 0.0 | 10.5 | 39.1 | NA | NA | 39.1 | 0.0 | NA | NA | 49.7 | R -34.1 | 0.0 | R 1,581.4 |
| 1979 | 0.0 | 11.4 | 44.6 | NA | NA | 44.6 | 0.0 | NA | NA | 55.9 | R -37.1 | 0.0 | R 1,563.7 |
| 1980 | 0.0 | 5.8 | 25.1 | NA | NA | 25.1 | 0.0 | NA | NA | 30.9 | R -23.2 | 0.0 | R 1,459.0 |
| 1981 | 0.0 | 7.0 | 23.5 | 0.0 | 0.0 | 23.5 | 0.0 | NA | NA | 30.5 | R -24.9 | 0.0 | R 1,396.5 |
| 1982 | 0.0 | 17.3 | 26.6 | 0.1 | 0.0 | 26.6 | 0.0 | NA | NA | 44.0 | R -32.1 | 0.0 | R 1,385.3 |
| 1983 | 0.0 | 18.0 | 26.0 | 0.1 | 0.0 | 26.0 | 0.0 | NA | 0.0 | 44.1 | R -34.4 | 0.0 | R 1,384.0 |
| 1984 | 10.0 | 16.6 | 30.5 | 0.1 | 0.0 | 30.6 | 0.0 | 0.0 | 0.0 | 47.1 | R -73.9 | 0.0 | R 1,405.3 |
| 1985 | 85.3 | 31.3 | 31.1 | 0.1 | 0.0 | 31.3 | 0.0 | 0.0 | 0.0 | 62.5 | R -84.3 | 0.0 | R 1,427.7 |
| 1986 | 75.9 | 20.8 | 28.5 | 0.1 | 0.0 | 28.6 | 0.0 | 0.0 | 0.0 | 49.4 | R -36.0 | 0.0 | R 1,434.5 |
| 1987 | 65.6 | 15.1 | 25.7 | 0.2 | 0.0 | 25.9 | 0.0 | 0.0 | 0.0 | 41.0 | R -21.7 | 0.0 | R 1,457.4 |
| 1988 | 94.7 | 15.6 | 27.5 | 1.1 | 0.0 | 28.6 | 0.0 | 0.0 | 0.0 | 44.2 | R -47.8 | 0.0 | R 1,527.1 |
| 1989 | 88.3 | 11.4 | 24.7 | 1.6 | 0.0 | R 26.2 | (s) | 0.2 | 0.0 | R 37.8 | R -20.6 | 0.0 | R 1,538.4 |
| 1990 | 84.6 | 22.8 | 17.9 | 2.2 | 0.0 | R 20.1 | (s) | 0.2 | 0.0 | 43.2 | R -9.1 | 0.0 | R 1,517.8 |
| 1991 | 104.6 | 11.7 | 18.6 | 2.0 | 0.0 | R 20.6 | (s) | 0.2 | 0.0 | R 32.5 | R 1.2 | 0.0 | R 1,521.3 |
| 1992 | 84.6 | 15.3 | 19.2 | 2.3 | 0.0 | 21.6 | 0.1 | 0.2 | 0.0 | R 37.1 | R 10.9 | 0.0 | R 1,507.9 |
| 1993 | 88.0 | 32.8 | 16.9 | 2.7 | 0.0 | R 19.6 | 0.1 | 0.2 | 0.0 | R 52.6 | R 84.8 | 0.0 | R 1,607.8 |
| 1994 | 104.6 | 19.8 | 15.9 | 3.0 | 0.0 | R 18.9 | 0.1 | 0.2 | 0.0 | R 38.9 | R 11.1 | 0.0 | R 1,627.6 |
| 1995 | 86.6 | 19.8 | 16.3 | 2.0 | 0.0 | 18.3 | 0.1 | 0.2 | 0.0 | 38.3 | R 0.5 | (s) | R 1,683.0 |
| 1996 | 93.4 | 13.6 | 17.0 | 1.1 | 0.0 | R 18.0 | 0.1 | 0.2 | 0.0 | R 31.8 | R 6.6 | 0.0 | R 1,766.0 |
| 1997 | 94.0 | 16.3 | 14.3 | 0.6 | 0.0 | 14.9 | 0.1 | 0.2 | 0.0 | R 31.3 | R -23.6 | (s) | R 1,761.2 |
| 1998 | 89.3 | 23.9 | 13.3 | 0.7 | 0.0 | 13.9 | 0.1 | 0.1 | 0.0 | 38.1 | R -32.6 | (s) | R 1,803.6 |
| 1999 | 89.7 | 18.9 | 13.6 | 1.4 | 0.0 | 15.0 | 0.1 | 0.1 | 0.0 | R 34.1 | R -16.4 | (s) | R 1,840.0 |
| 2000 | 104.2 | 6.1 | 14.2 | 2.4 | 0.6 | R 17.2 | 0.1 | 0.1 | 0.0 | R 23.5 | R -0.1 | 0.0 | R 1,785.8 |
| 2001 | 87.6 | 11.4 | 17.8 | 2.2 | 1.5 | R 21.5 | 0.1 | 0.1 | 0.0 | R 33.1 | R -27.3 | 0.0 | R 1,825.4 |
| 2002 | 87.6 | 13.8 | 16.6 | 5.3 | 2.0 | R 23.8 | 0.1 | 0.1 | 0.0 | R 37.8 | R -12.8 | 0.0 | R 1,846.4 |
| 2003 | 101.1 | 6.7 | 17.1 | 7.5 | 3.3 | R 27.9 | 0.1 | 0.1 | 0.0 | R 34.7 | R -90.5 | (s) | R 1,846.1 |
| 2004 | 81.7 | 14.8 | 17.6 | 8.0 | 3.5 | R 29.1 | 0.1 | 0.1 | 0.0 | R 44.1 | R -93.8 | (s) | R 1,861.8 |
| 2005 | 83.8 | 11.6 | R 27.1 | 9.9 | 5.6 | R 42.6 | 0.1 | (s) | 0.0 | R 54.4 | R -60.0 | (s) | R 1,939.4 |
| 2006 | 105.6 | 2.0 | R 24.2 | 9.8 | 6.9 | R 40.9 | 0.2 | (s) | 0.0 | R 43.1 | R -60.2 | (s) | R 1,922.2 |
| 2007 | 98.3 | 11.9 | R 26.4 | 13.6 | 9.3 | R 49.3 | 0.2 | (s) | 0.0 | R 61.5 | R -9.3 | (s) | R 1,975.4 |
| 2008 | 98.0 | 20.2 | R 27.6 | 19.8 | 12.7 | R 60.1 | 0.2 | 0.1 | 2.0 | R 82.6 | R -27.7 | 0.7 | R 1,940.4 |
| 2009 | 107.2 | 17.7 | 27.0 | 18.6 | 14.7 | 60.3 | 0.3 | (s) | 4.9 | 83.2 | -64.9 | 2.2 | 1,817.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 3,835 | 231 | 12,638 | 1,249 | 5,994 | 40,807 | 3,029 | 10,815 | 74,532 | 0 | – – | – – | – – | – – | 11,429 | – – | – – | – – |
| 1965 | 2,844 | 294 | 13,711 | 3,625 | 7,692 | 45,015 | 3,372 | 13,310 | 86,725 | 0 | – – | – – | – – | – – | 16,322 | – – | – – | – – |
| 1970 | 2,017 | 367 | 16,077 | 8,074 | 11,771 | 56,041 | 3,437 | 13,097 | 108,497 | 0 | – – | – – | – – | – – | 25,779 | – – | – – | – – |
| 1975 | 2,221 | 343 | 17,108 | 8,311 | 12,995 | 62,342 | 2,147 | 11,937 | 114,840 | 0 | – – | – – | – – | – – | 33,075 | – – | – – | – – |
| 1980 | 1,677 | 303 | 17,852 | 6,268 | 9,121 | 58,966 | 1,398 | 17,365 | 110,971 | 0 | – – | – – | – – | – – | 42,652 | – – | – – | – – |
| 1985 | 1,954 | 258 | 19,785 | 5,889 | 5,583 | 60,036 | 715 | 13,698 | 105,707 | 0 | – – | – – | – – | – – | 46,314 | – – | – – | – – |
| 1990 | 1,605 | 235 | 20,981 | 6,647 | 6,874 | 63,994 | 613 | 15,629 | 114,737 | 0 | – – | – – | – – | – – | 53,925 | – – | – – | – – |
| 1995 | 1,313 | 266 | 23,839 | 11,425 | 11,085 | 68,930 | 341 | 11,566 | 127,187 | 0 | – – | – – | – – | – – | 62,259 | – – | – – | – – |
| 2000 | 1,117 | 254 | 28,226 | 4,906 | 10,820 | 73,852 | 109 | 10,376 | 128,289 | 0 | – – | – – | – – | – – | 72,643 | – – | – – | – – |
| 2001 | 1,227 | 251 | 29,600 | 7,493 | 12,897 | 72,510 | 141 | 13,231 | 135,872 | 0 | – – | – – | – – | – – | 73,213 | – – | – – | – – |
| 2002 | 1,182 | 246 | 29,160 | 9,535 | 12,722 | 73,737 | 111 | 12,034 | 137,299 | 0 | – – | – – | – – | – – | 75,001 | – – | – – | – – |
| 2003 | 1,193 | 241 | 30,902 | 8,048 | 12,360 | 76,754 | 118 | 12,115 | 140,298 | 0 | – – | – – | – – | – – | 74,270 | – – | – – | – – |
| 2004 | 1,256 | 239 | 33,801 | 3,999 | 12,234 | 77,040 | 161 | 15,107 | 142,342 | 0 | – – | – – | – – | – – | 74,054 | – – | – – | – – |
| 2005 | 1,267 | 236 | 32,882 | 6,599 | 10,795 | 76,998 | 110 | 14,468 | 141,852 | 0 | – – | – – | – – | – – | 80,940 | – – | – – | – – |
| 2006 | 1,282 | 220 | 33,336 | 6,574 | 8,917 | 77,084 | 70 | 14,478 | 140,458 | 0 | – – | – – | – – | – – | 82,015 | – – | – – | – – |
| 2007 | 1,281 | 231 | 34,225 | 6,339 | 10,573 | 77,817 | 38 | 12,636 | 141,628 | 0 | – – | – – | – – | – – | 85,533 | – – | – – | – – |
| 2008 | 1,191 | 253 | 30,444 | 5,586 | 10,473 | 76,835 | 34 | 10,963 | 134,336 | 0 | – – | – – | – – | – – | 84,382 | – – | – – | – – |
| 2009 | 936 | 235 | 29,246 | 3,635 | 9,260 | 76,379 | 32 | 8,591 | 127,143 | 0 | – – | – – | – – | – – | 79,687 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 90.4 | 238.8 | 73.6 | 7.0 | 24.0 | 214.4 | 19.0 | 64.6 | 402.6 | 0.0 | 33.6 | NA | NA | NA | 39.0 | 804.5 | 96.4 | 900.9 |
| 1965 | 67.0 | 299.5 | 79.9 | 20.4 | 30.9 | 236.5 | 21.2 | 78.6 | 467.4 | 0.0 | 27.0 | NA | NA | NA | 55.7 | 916.6 | 132.9 | 1,049.5 |
| 1970 | 45.9 | 369.1 | 93.6 | 45.7 | 44.5 | 294.4 | 21.6 | 79.8 | 579.6 | 0.0 | 23.6 | NA | NA | NA | 88.0 | 1,106.1 | 212.8 | 1,318.9 |
| 1975 | 49.1 | 346.1 | 99.7 | 47.0 | 48.3 | 327.5 | 13.5 | 73.5 | 609.4 | 0.0 | 27.1 | NA | NA | NA | 112.9 | 1,144.6 | 270.7 | 1,415.3 |
| 1980 | 37.8 | 307.9 | 104.0 | 35.5 | 33.5 | 309.8 | 8.8 | 101.6 | 593.1 | 0.0 | 25.1 | NA | NA | NA | 145.5 | 1,109.4 | 349.6 | 1,459.0 |
| 1985 | 44.7 | 262.9 | 115.2 | 33.3 | 20.1 | 315.4 | 4.5 | 80.7 | 569.3 | 0.0 | 31.1 | 0.0 | NA | NA | 158.0 | 1,065.8 | 361.9 | 1,427.7 |
| 1990 | 36.6 | 237.7 | 122.2 | 37.6 | 24.9 | 336.2 | 3.9 | 92.2 | 616.9 | 0.0 | 17.9 | 0.0 | (s) | 0.2 | 184.0 | 1,095.6 | 422.2 | 1,517.8 |
| 1995 | 30.3 | 268.1 | 138.9 | 64.8 | 40.2 | 359.5 | 2.1 | 71.0 | 676.4 | 0.0 | 16.0 | 0.0 | 0.1 | 0.2 | 212.4 | 1,203.5 | 479.5 | 1,683.0 |
| 2000 | 25.6 | 258.1 | 164.4 | 27.8 | 39.0 | 384.8 | 0.7 | 63.5 | 680.2 | 0.0 | 13.5 | 0.6 | 0.1 | 0.1 | 247.9 | 1,225.2 | 560.6 | 1,785.8 |
| 2001 | 28.2 | 252.6 | 172.4 | 42.5 | 46.6 | 377.8 | 0.9 | 81.7 | 721.9 | 0.0 | 17.8 | 1.5 | 0.1 | 0.1 | 249.8 | 1,271.9 | 553.5 | 1,825.4 |
| 2002 | 27.4 | 248.8 | 169.9 | 54.1 | 46.0 | 384.0 | 0.7 | 74.0 | 728.6 | 0.0 | 16.6 | 2.0 | 0.1 | 0.1 | 255.9 | 1,279.3 | 567.1 | 1,846.4 |
| 2003 | 27.6 | 244.1 | 180.0 | 45.6 | 44.9 | 399.7 | 0.7 | 74.7 | 745.6 | 0.0 | 17.1 | 3.3 | 0.1 | 0.1 | 253.4 | 1,290.2 | 555.9 | 1,846.1 |
| 2004 | 28.9 | 244.1 | 196.9 | 22.7 | 44.3 | 401.8 | 1.0 | 93.4 | 760.0 | 0.0 | 17.6 | 3.5 | 0.1 | 0.1 | 252.7 | 1,306.1 | 555.8 | 1,861.8 |
| 2005 | 29.0 | 240.9 | 191.5 | 37.4 | 39.1 | 401.8 | 0.7 | 89.4 | 759.9 | 0.0 | 27.1 | 5.6 | 0.1 | (s) | 276.2 | 1,338.8 | 600.5 | 1,939.4 |
| 2006 | 29.2 | 224.7 | 194.2 | 37.3 | 32.1 | 402.2 | 0.4 | 89.4 | 755.7 | 0.0 | 24.1 | 6.9 | 0.2 | (s) | 279.8 | 1,320.6 | 601.6 | 1,922.2 |
| 2007 | 28.9 | 235.7 | 199.4 | 35.9 | 38.0 | 406.1 | 0.2 | 77.6 | 757.3 | 0.0 | 26.2 | 9.3 | 0.2 | (s) | 291.8 | 1,349.4 | 626.0 | 1,975.4 |
| 2008 | 26.8 | 254.4 | 177.3 | 31.7 | 37.7 | 400.9 | 0.2 | 66.9 | 714.8 | 0.0 | 27.3 | 12.7 | 0.2 | 0.1 | 287.9 | 1,324.2 | 616.2 | 1,940.4 |
| 2009 | 21.1 | 236.2 | 170.4 | 20.6 | 32.9 | 398.5 | 0.2 | 52.6 | 675.3 | 0.0 | 26.2 | 14.7 | 0.3 | (s) | 271.9 | 1,245.7 | 572.1 | 1,817.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 699 | 111 | 1,330 | 240 | 4,400 | 5,970 | 1,293 | – – | – – | 4,223 | – – | – – | – – |
| 1965 | 172 | 130 | 1,056 | 138 | 5,763 | 6,957 | 898 | – – | – – | 5,977 | – – | – – | – – |
| 1970 | 52 | 157 | 1,312 | 69 | 8,388 | 9,769 | 674 | – – | – – | 9,672 | – – | – – | – – |
| 1975 | 47 | 155 | 1,435 | 28 | 8,945 | 10,409 | 704 | – – | – – | 13,654 | – – | – – | – – |
| 1980 | 17 | 143 | 1,246 | 57 | 4,686 | 5,989 | 911 | – – | – – | 18,648 | – – | – – | – – |
| 1985 | 34 | 128 | 847 | 95 | 3,282 | 4,224 | 1,155 | – – | – – | 18,483 | – – | – – | – – |
| 1990 | 57 | 116 | 412 | 29 | 3,937 | 4,378 | 669 | – – | – – | 21,652 | – – | – – | – – |
| 1995 | 27 | 125 | 436 | 32 | 5,483 | 5,952 | 586 | – – | – – | 25,409 | – – | – – | – – |
| 1996 | 25 | 137 | 330 | 56 | 7,360 | 7,747 | 609 | – – | – – | 26,448 | – – | – – | – – |
| 1997 | 29 | 128 | 311 | 45 | 6,711 | 7,067 | 478 | – – | – – | 26,595 | – – | – – | – – |
| 1998 | 18 | 111 | 294 | 49 | 4,793 | 5,136 | 424 | – – | – – | 28,265 | – – | – – | – – |
| 1999 | 27 | 112 | 306 | 55 | 6,429 | 6,791 | 447 | – – | – – | 27,766 | – – | – – | – – |
| 2000 | 19 | 115 | 308 | 69 | 5,619 | 5,996 | 480 | – – | – – | 29,581 | – – | – – | – – |
| 2001 | 23 | 116 | 404 | 78 | 8,444 | 8,926 | 470 | – – | – – | 30,168 | – – | – – | – – |
| 2002 | 23 | 114 | 290 | 51 | 6,373 | 6,714 | 477 | – – | – – | 31,684 | – – | – – | – – |
| 2003 | 25 | 115 | 200 | 72 | 6,157 | 6,429 | 502 | – – | – – | 31,422 | – – | – – | – – |
| 2004 | 19 | 110 | 192 | 87 | 5,045 | 5,325 | 515 | – – | – – | 31,351 | – – | – – | – – |
| 2005 | 17 | 107 | 161 | 79 | 4,561 | 4,802 | R 924 | – – | – – | 34,412 | – – | – – | – – |
| 2006 | 19 | 95 | 151 | 66 | 4,022 | 4,239 | R 841 | – – | – – | 33,880 | – – | – – | – – |
| 2007 | 20 | 102 | 143 | 54 | 4,567 | 4,764 | R 928 | – – | – – | 35,872 | – – | – – | – – |
| 2008 | 20 | 114 | R 101 | 22 | 5,905 | R 6,028 | R 971 | – – | – – | 35,390 | – – | – – | – – |
| 2009 | 15 | 106 | 78 | 25 | 5,080 | 5,183 | 928 | – – | – – | 34,221 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 16.0 | 115.0 | 7.7 | 1.4 | 17.6 | 26.8 | 25.9 | NA | NA | 14.4 | 198.1 | 35.6 | 233.7 |
| 1965 | 3.9 | 132.1 | 6.1 | 0.8 | 23.1 | 30.0 | 18.0 | NA | NA | 20.4 | 204.4 | 48.7 | 253.1 |
| 1970 | 1.1 | 157.7 | 7.6 | 0.4 | 31.7 | 39.7 | 13.5 | NA | NA | 33.0 | 245.0 | R 79.8 | 324.9 |
| 1975 | 1.0 | 156.5 | 8.4 | 0.2 | 33.2 | 41.8 | 14.1 | NA | NA | 46.6 | 259.9 | R 111.8 | R 371.6 |
| 1980 | 0.4 | 145.7 | 7.3 | 0.3 | 17.2 | 24.8 | 18.2 | NA | NA | 63.6 | 252.7 | R 152.9 | R 405.5 |
| 1985 | 0.8 | 130.3 | 4.9 | 0.5 | 11.8 | 17.3 | 23.1 | NA | NA | 63.1 | 234.4 | R 144.4 | R 378.8 |
| 1990 | 1.2 | 117.2 | 2.4 | 0.2 | 14.3 | 16.8 | 13.4 | (s) | 0.2 | 73.9 | 222.8 | R 169.5 | R 392.3 |
| 1995 | 0.6 | 126.0 | 2.5 | 0.2 | 19.9 | 22.6 | 11.7 | 0.1 | 0.2 | 86.7 | 247.8 | R 195.7 | R 443.5 |
| 1996 | 0.6 | 138.7 | 1.9 | 0.3 | 26.6 | 28.8 | 12.2 | 0.1 | 0.2 | 90.2 | 270.4 | R 203.9 | R 474.3 |
| 1997 | 0.7 | 128.9 | 1.8 | 0.3 | 24.3 | 26.3 | 9.6 | 0.1 | 0.2 | 90.7 | 256.1 | R 204.3 | R 460.3 |
| 1998 | 0.4 | 112.0 | 1.7 | 0.3 | 17.3 | 19.3 | 8.5 | 0.1 | 0.1 | 96.4 | 236.8 | R 217.3 | R 454.1 |
| 1999 | 0.6 | 113.5 | 1.8 | 0.3 | 23.2 | 25.3 | 8.9 | 0.1 | 0.1 | 94.7 | 243.2 | R 215.4 | R 458.6 |
| 2000 | 0.4 | 117.2 | 1.8 | 0.4 | 20.3 | 22.5 | 9.6 | 0.1 | 0.1 | 100.9 | 250.4 | R 228.3 | R 478.7 |
| 2001 | 0.5 | 116.9 | 2.4 | 0.4 | 30.5 | 33.3 | 9.4 | 0.1 | 0.1 | 102.9 | 263.3 | R 228.1 | R 491.3 |
| 2002 | 0.5 | 115.6 | 1.7 | 0.3 | 23.0 | 25.0 | 9.5 | 0.1 | 0.1 | 108.1 | 258.9 | R 239.6 | R 498.5 |
| 2003 | 0.6 | 116.1 | 1.2 | 0.4 | 22.3 | 23.9 | 10.0 | 0.1 | 0.1 | 107.2 | 257.6 | R 235.2 | R 492.8 |
| 2004 | 0.4 | 111.9 | 1.1 | 0.5 | 18.3 | 19.9 | 10.3 | 0.1 | 0.1 | 107.0 | 249.3 | R 235.3 | R 484.5 |
| 2005 | 0.4 | 109.0 | 0.9 | 0.4 | 16.5 | 17.9 | R 18.5 | 0.1 | (s) | 117.4 | R 263.3 | R 255.3 | R 518.7 |
| 2006 | 0.5 | 97.3 | 0.9 | 0.4 | 14.5 | 15.8 | R 16.8 | 0.2 | (s) | 115.6 | R 246.1 | R 248.5 | R 494.7 |
| 2007 | 0.5 | 103.5 | 0.8 | 0.3 | 16.4 | 17.5 | R 18.6 | 0.2 | (s) | 122.4 | R 262.6 | R 262.5 | R 525.2 |
| 2008 | 0.4 | 114.6 | 0.6 | 0.1 | 21.3 | 22.0 | R 19.4 | 0.2 | 0.1 | 120.8 | R 277.5 | R 258.4 | R 535.9 |
| 2009 | 0.3 | 106.9 | 0.5 | 0.1 | 18.1 | 18.7 | 18.6 | 0.3 | (s) | 116.8 | 261.6 | 245.7 | 507.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 486 | 33 | 1,101 | 1,507 | 1,114 | 113 | 1,366 | 5,200 | NA | – – | – – | 3,314 | – – | – – | – – |
| 1965 | 129 | 41 | 873 | 865 | 1,459 | 133 | 1,508 | 4,839 | NA | – – | – – | 4,473 | – – | – – | – – |
| 1970 | 41 | 88 | 1,085 | 433 | 2,123 | 153 | 1,654 | 5,448 | NA | – – | – – | 6,168 | – – | – – | – – |
| 1975 | 109 | 91 | 1,187 | 179 | 2,264 | 159 | 764 | 4,554 | NA | – – | – – | 7,639 | – – | – – | – – |
| 1980 | 65 | 76 | 1,001 | 171 | 1,186 | 223 | 554 | 3,135 | NA | – – | – – | 12,986 | – – | – – | – – |
| 1985 | 122 | 60 | 1,521 | 33 | 831 | 262 | 121 | 2,768 | NA | – – | – – | 15,205 | – – | – – | – – |
| 1990 | 227 | 59 | 1,026 | 8 | 997 | 239 | 60 | 2,329 | 0 | – – | – – | 19,335 | – – | – – | – – |
| 1995 | 183 | 65 | 1,190 | 10 | 1,388 | 99 | 1 | 2,688 | 0 | – – | – – | 22,514 | – – | – – | – – |
| 1996 | 180 | 73 | 1,309 | 27 | 1,863 | 116 | 6 | 3,321 | 0 | – – | – – | 23,462 | – – | – – | – – |
| 1997 | 237 | 70 | 1,169 | 21 | 1,699 | 145 | 33 | 3,067 | 0 | – – | – – | 23,831 | – – | – – | – – |
| 1998 | 148 | 62 | 1,160 | 18 | 1,213 | 122 | 34 | 2,548 | 0 | – – | – – | 24,925 | – – | – – | – – |
| 1999 | 199 | 63 | 1,023 | 17 | 1,628 | 305 | 26 | 2,999 | 0 | – – | – – | 25,138 | – – | – – | – – |
| 2000 | 157 | 63 | 1,118 | 22 | 1,422 | 263 | 31 | 2,857 | 0 | – – | – – | 26,962 | – – | – – | – – |
| 2001 | 189 | 65 | 1,558 | 23 | 2,137 | 332 | 29 | 4,080 | 0 | – – | – – | 27,210 | – – | – – | – – |
| 2002 | 165 | 62 | 994 | 18 | 1,613 | 290 | 30 | 2,946 | 0 | – – | – – | 27,946 | – – | – – | – – |
| 2003 | 167 | 62 | 816 | 21 | 1,549 | 286 | 22 | 2,694 | 0 | – – | – – | 27,987 | – – | – – | – – |
| 2004 | 174 | 62 | 851 | 31 | 1,533 | 236 | 16 | 2,666 | 0 | – – | – – | 28,391 | – – | – – | – – |
| 2005 | 198 | 60 | 520 | 30 | 843 | 290 | 17 | 1,700 | 0 | – – | – – | 29,640 | – – | – – | – – |
| 2006 | 197 | 57 | 435 | 17 | 1,089 | 57 | 9 | 1,607 | 0 | – – | – – | 29,800 | – – | – – | – – |
| 2007 | 176 | 59 | 368 | 9 | 1,037 | 58 | 6 | 1,478 | 0 | – – | – – | 31,126 | – – | – – | – – |
| 2008 | 178 | 65 | R 549 | 3 | 1,714 | 58 | 1 | R 2,325 | 0 | – – | – – | 31,118 | – – | – – | – – |
| 2009 | 134 | 61 | 601 | 6 | 1,161 | 58 | 1 | 1,826 | 0 | – – | – – | 30,394 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 11.1 | 33.8 | 6.4 | 8.5 | 4.5 | 0.6 | 8.6 | 28.6 | NA | 0.5 | NA | 11.3 | 85.4 | 28.0 | 113.3 |
| 1965 | 3.0 | 41.8 | 5.1 | 4.9 | 5.9 | 0.7 | 9.5 | 26.0 | NA | 0.3 | NA | 15.3 | 86.4 | 36.4 | 122.8 |
| 1970 | 0.9 | 88.3 | 6.3 | 2.5 | 8.0 | 0.8 | 10.4 | 28.0 | NA | 0.3 | NA | 21.0 | 138.5 | 50.9 | 189.4 |
| 1975 | 2.3 | 91.5 | 6.9 | 1.0 | 8.4 | 0.8 | 4.8 | 22.0 | NA | 0.3 | NA | 26.1 | 142.1 | R 62.5 | R 204.6 |
| 1980 | 1.4 | 77.3 | 5.8 | 1.0 | 4.4 | 1.2 | 3.5 | 15.8 | NA | 0.5 | NA | 44.3 | 139.2 | R 106.4 | R 245.7 |
| 1985 | 2.8 | 61.4 | 8.9 | 0.2 | 3.0 | 1.4 | 0.8 | 14.2 | NA | 0.5 | NA | 51.9 | 130.7 | R 118.8 | R 249.5 |
| 1990 | 5.0 | 60.0 | 6.0 | (s) | 3.6 | 1.3 | 0.4 | 11.3 | 0.0 | 1.5 | 0.0 | 66.0 | 143.7 | R 151.4 | R 295.1 |
| 1995 | 4.1 | 65.5 | 6.9 | 0.1 | 5.0 | 0.5 | (s) | 12.5 | 0.0 | 1.6 | 0.0 | 76.8 | 160.7 | R 173.4 | R 334.1 |
| 1996 | 4.1 | 73.6 | 7.6 | 0.2 | 6.7 | 0.6 | (s) | 15.1 | 0.0 | 1.7 | 0.0 | 80.1 | 174.4 | R 180.9 | R 355.3 |
| 1997 | 5.4 | 70.5 | 6.8 | 0.1 | 6.1 | 0.8 | 0.2 | 14.0 | 0.0 | 1.7 | 0.0 | 81.3 | 172.8 | R 183.0 | R 355.8 |
| 1998 | 3.3 | 62.7 | 6.8 | 0.1 | 4.4 | 0.6 | 0.2 | 12.1 | 0.0 | 1.5 | 0.0 | 85.0 | 164.5 | R 191.7 | R 356.1 |
| 1999 | 4.5 | 63.9 | 6.0 | 0.1 | 5.9 | 1.6 | 0.2 | 13.7 | 0.0 | 1.5 | 0.0 | 85.8 | 169.3 | R 195.0 | R 364.3 |
| 2000 | 3.5 | 63.6 | 6.5 | 0.1 | 5.1 | 1.4 | 0.2 | 13.3 | 0.0 | 1.6 | 0.0 | 92.0 | 173.8 | R 208.1 | R 381.9 |
| 2001 | 4.3 | 65.3 | 9.1 | 0.1 | 7.7 | 1.7 | 0.2 | 18.8 | 0.0 | 1.7 | 0.0 | 92.8 | 183.0 | R 205.7 | R 388.7 |
| 2002 | 3.8 | 62.7 | 5.8 | 0.1 | 5.8 | 1.5 | 0.2 | 13.4 | 0.0 | 1.7 | 0.0 | 95.4 | 176.9 | R 211.3 | R 388.2 |
| 2003 | 3.9 | 62.4 | 4.8 | 0.1 | 5.6 | 1.5 | 0.1 | 12.1 | 0.0 | 1.8 | 0.0 | 95.5 | 175.4 | R 209.5 | R 384.9 |
| 2004 | 4.0 | 63.0 | 5.0 | 0.2 | 5.5 | 1.2 | 0.1 | 12.0 | 0.0 | 1.7 | 0.0 | 96.9 | 177.4 | R 213.1 | R 390.4 |
| 2005 | 4.6 | 61.6 | 3.0 | 0.2 | 3.1 | 1.5 | 0.1 | 7.9 | 0.0 | R 3.0 | 0.0 | 101.1 | R 178.1 | R 219.9 | R 398.0 |
| 2006 | 4.6 | 57.9 | 2.5 | 0.1 | 3.9 | 0.3 | 0.1 | 6.9 | 0.0 | R 2.7 | 0.0 | 101.7 | R 173.8 | R 218.6 | R 392.3 |
| 2007 | 4.1 | 60.3 | 2.1 | 0.1 | 3.7 | 0.3 | (s) | 6.3 | 0.0 | R 2.9 | 0.0 | 106.2 | R 179.7 | R 227.8 | R 407.5 |
| 2008 | 4.0 | 65.3 | 3.2 | (s) | 6.2 | 0.3 | (s) | 9.7 | 0.0 | R 3.1 | 0.0 | 106.2 | R 188.3 | R 227.3 | R 415.6 |
| 2009 | 3.1 | 61.8 | 3.5 | (s) | 4.1 | 0.3 | (s) | 8.0 | 0.0 | 3.1 | 0.0 | 103.7 | 179.6 | 218.2 | 397.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,605 | 79 | 5,722 | 437 | 3,074 | 1,630 | 6,556 | 17,419 | 0 | – – | – – | – – | 3,890 | – – | – – | – – |
| 1965 | 2,534 | 114 | 5,097 | 423 | 3,224 | 1,710 | 9,284 | 19,739 | 0 | – – | – – | – – | 5,872 | – – | – – | – – |
| 1970 | 1,921 | 110 | 5,689 | 1,175 | 2,767 | 1,620 | 11,681 | 22,932 | 0 | – – | – – | – – | 9,939 | – – | – – | – – |
| 1975 | 2,065 | 90 | 5,765 | 1,712 | 2,707 | 1,242 | 10,753 | 22,178 | 0 | – – | – – | – – | 11,782 | – – | – – | – – |
| 1980 | 1,595 | 78 | 4,782 | 3,182 | 1,866 | 703 | 16,042 | 26,575 | 0 | – – | – – | – – | 11,018 | – – | – – | – – |
| 1985 | 1,798 | 66 | 4,146 | 1,333 | 1,076 | 557 | 12,587 | 19,699 | 0 | – – | – – | – – | 12,625 | – – | – – | – – |
| 1990 | 1,321 | 55 | 3,494 | 1,823 | 663 | 519 | 14,511 | 21,011 | 0 | – – | – – | – – | 12,937 | – – | – – | – – |
| 1995 | 1,102 | 69 | 3,018 | 4,102 | 1,676 | 319 | 10,504 | 19,620 | 0 | – – | – – | – – | 14,321 | – – | – – | – – |
| 1996 | 1,118 | 71 | 3,181 | 3,644 | 1,677 | 309 | 9,723 | 18,534 | 0 | – – | – – | – – | 14,915 | – – | – – | – – |
| 1997 | 1,401 | 71 | 3,550 | 2,733 | 1,688 | 180 | 8,059 | 16,209 | 0 | – – | – – | – – | 15,267 | – – | – – | – – |
| 1998 | 1,218 | 64 | 3,785 | 2,108 | 1,033 | 182 | 9,440 | 16,547 | 0 | – – | – – | – – | 15,801 | – – | – – | – – |
| 1999 | 1,203 | 64 | 4,869 | 4,555 | 915 | 109 | 11,363 | 21,812 | 0 | – – | – – | – – | 16,122 | – – | – – | – – |
| 2000 | 941 | 68 | 3,641 | 3,712 | 902 | 72 | 9,214 | 17,542 | 0 | – – | – – | – – | 16,080 | – – | – – | – – |
| 2001 | 1,015 | 68 | 4,128 | 2,053 | 1,745 | 108 | 12,092 | 20,127 | 0 | – – | – – | – – | 15,815 | – – | – – | – – |
| 2002 | 994 | 67 | 4,627 | 4,658 | 1,848 | 71 | 10,965 | 22,169 | 0 | – – | – – | – – | 15,341 | – – | – – | – – |
| 2003 | 1,001 | 62 | 4,753 | 4,538 | 1,944 | 84 | 11,104 | 22,423 | 0 | – – | – – | – – | 14,831 | – – | – – | – – |
| 2004 | 1,063 | 64 | 5,774 | 5,545 | 2,254 | 126 | 14,040 | 27,739 | 0 | – – | – – | – – | 14,303 | – – | – – | – – |
| 2005 | 1,052 | 66 | 5,293 | 5,277 | 2,144 | 79 | 13,350 | 26,144 | 0 | – – | – – | – – | 16,869 | – – | – – | – – |
| 2006 | 1,065 | 66 | 5,187 | 3,645 | 2,247 | 51 | R 13,468 | R 24,597 | 0 | – – | – – | – – | 18,316 | – – | – – | – – |
| 2007 | 1,086 | 68 | 5,804 | 4,810 | 1,214 | 29 | R 11,621 | R 23,478 | 0 | – – | – – | – – | 18,515 | – – | – – | – – |
| 2008 | 993 | 67 | R 4,993 | R 2,594 | 931 | 33 | R 10,074 | R 18,626 | 0 | – – | – – | – – | 17,850 | – – | – – | – – |
| 2009 | 787 | 63 | 4,240 | 2,748 | 1,039 | 26 | 7,785 | 15,838 | 0 | – – | – – | – – | 15,050 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 62.2 | 81.7 | 33.3 | 1.8 | 16.1 | 10.2 | 41.3 | 102.8 | 0.0 | 7.3 | NA | NA | 13.3 | 267.2 | 32.8 | 300.1 |
| 1965 | 59.9 | 116.4 | 29.7 | 1.7 | 16.9 | 10.8 | 56.9 | 116.0 | 0.0 | 8.7 | NA | NA | 20.0 | 321.1 | 47.8 | 368.9 |
| 1970 | 43.8 | 110.4 | 33.1 | 4.4 | 14.5 | 10.2 | 71.5 | 133.8 | 0.0 | 9.9 | NA | NA | 33.9 | 331.8 | R 82.0 | 413.8 |
| 1975 | 45.7 | 90.7 | 33.6 | 6.4 | 14.2 | 7.8 | 66.6 | 128.5 | 0.0 | 12.7 | NA | NA | 40.2 | 317.9 | R 96.4 | R 414.3 |
| 1980 | 36.0 | 79.3 | 27.9 | 11.7 | 9.8 | 4.4 | 93.8 | 147.6 | 0.0 | 6.4 | NA | NA | 37.6 | 306.9 | R 90.3 | R 397.2 |
| 1985 | 41.2 | 66.8 | 24.2 | 4.8 | 5.7 | 3.5 | 74.2 | 112.3 | 0.0 | 7.5 | 0.0 | NA | 43.1 | 270.8 | R 98.7 | R 369.5 |
| 1990 | 30.4 | 55.1 | 20.4 | 6.6 | 3.5 | 3.3 | 85.5 | 119.2 | 0.0 | 3.1 | 0.0 | 0.0 | 44.1 | 252.0 | R 101.3 | R 353.3 |
| 1995 | 25.5 | 69.4 | 17.6 | 14.9 | 8.7 | 2.0 | 64.7 | 107.9 | 0.0 | 2.7 | 0.0 | 0.0 | 48.9 | 254.3 | R 110.3 | R 364.6 |
| 1996 | 25.9 | 72.0 | 18.5 | 13.2 | 8.7 | 1.9 | 60.6 | 102.9 | 0.0 | 2.8 | 0.0 | 0.0 | 50.9 | 254.3 | R 115.0 | R 369.3 |
| 1997 | 32.0 | 71.6 | 20.7 | 9.9 | 8.8 | 1.1 | 49.8 | 90.3 | 0.0 | 2.6 | 0.0 | 0.0 | 52.1 | 248.3 | R 117.3 | R 365.6 |
| 1998 | 27.9 | 65.0 | 22.0 | 7.6 | 5.4 | 1.1 | 57.8 | 94.0 | 0.0 | 2.5 | 0.0 | 0.0 | 53.9 | 243.3 | R 121.5 | R 364.8 |
| 1999 | 27.6 | 65.2 | 28.4 | 16.5 | 4.8 | 0.7 | 69.8 | 120.1 | 0.0 | 2.6 | 0.0 | 0.0 | 55.0 | 270.5 | R 125.1 | R 395.6 |
| 2000 | 21.8 | 69.5 | 21.2 | 13.4 | 4.7 | 0.5 | 56.6 | 96.4 | 0.0 | 2.2 | 0.6 | 0.0 | 54.9 | 245.1 | R 124.1 | R 369.2 |
| 2001 | 23.3 | 68.3 | 24.0 | 7.4 | 9.1 | 0.7 | 75.0 | 116.2 | 0.0 | 6.8 | 1.5 | 0.0 | 54.0 | 270.1 | R 119.6 | R 389.6 |
| 2002 | 23.0 | 67.8 | 27.0 | 16.8 | 9.6 | 0.4 | 67.7 | 121.6 | 0.0 | 5.3 | 2.0 | 0.0 | 52.3 | 272.0 | R 116.0 | R 388.0 |
| 2003 | 23.1 | 62.4 | 27.7 | 16.5 | 10.1 | 0.5 | 68.7 | 123.5 | 0.0 | 5.3 | 3.3 | 0.0 | 50.6 | 267.9 | R 111.0 | R 378.9 |
| 2004 | 24.4 | 65.8 | 33.6 | 20.1 | 11.8 | 0.8 | 87.1 | 153.3 | 0.0 | 5.6 | 3.5 | 0.0 | 48.8 | 301.2 | R 107.3 | R 408.5 |
| 2005 | 24.0 | 67.7 | 30.8 | 19.1 | 11.2 | 0.5 | 82.8 | 144.4 | 0.0 | 5.7 | 5.6 | 0.0 | 57.6 | 305.0 | R 125.2 | R 430.1 |
| 2006 | 24.2 | 67.0 | 30.2 | 13.1 | 11.7 | 0.3 | R 83.5 | R 138.9 | 0.0 | R 4.6 | 6.9 | 0.0 | 62.5 | R 303.9 | R 134.3 | R 438.3 |
| 2007 | 24.4 | 69.1 | 33.8 | 17.3 | 6.3 | 0.2 | R 71.6 | R 129.2 | 0.0 | R 4.8 | 9.3 | 0.0 | 63.2 | R 300.0 | R 135.5 | R 435.5 |
| 2008 | 22.4 | 67.1 | R 29.1 | R 9.3 | 4.9 | 0.2 | R 61.6 | R 105.1 | 0.0 | R 4.8 | 12.7 | 0.0 | 60.9 | R 273.0 | R 130.4 | R 403.4 |
| 2009 | 17.7 | 63.8 | 24.7 | 9.8 | 5.4 | 0.2 | 47.8 | 87.9 | 0.0 | 4.6 | 14.7 | 0.0 | 51.4 | 240.0 | 108.1 | 348.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 45 | 8 | 1,844 | 4,485 | 1,249 | 43 | 669 | 37,620 | 34 | 45,943 | 2 | – – | – – | – – |
| 1965 | 8 | 9 | 2,323 | 6,685 | 3,625 | 47 | 701 | 41,658 | 154 | 55,191 | 0 | – – | – – | – – |
| 1970 | 3 | 13 | 179 | 7,990 | 8,074 | 85 | 735 | 53,122 | 163 | 70,349 | 0 | – – | – – | – – |
| 1975 | (s) | 7 | 184 | 8,721 | 8,311 | 74 | 793 | 59,476 | 141 | 77,698 | 0 | – – | – – | – – |
| 1980 | 0 | 6 | 162 | 10,824 | 6,268 | 68 | 932 | 56,877 | 142 | 75,272 | 0 | – – | – – | – – |
| 1985 | 0 | 4 | 135 | 13,271 | 5,889 | 138 | 848 | 58,698 | 38 | 79,017 | 0 | – – | – – | – – |
| 1990 | 0 | 5 | 126 | 16,049 | 6,647 | 117 | 955 | 63,092 | 34 | 87,019 | 0 | – – | – – | – – |
| 1995 | 0 | 7 | 109 | 19,195 | 11,425 | 112 | 911 | 67,155 | 21 | 98,928 | 16 | – – | – – | – – |
| 1996 | 0 | 7 | 108 | 22,090 | 12,133 | 98 | 884 | 68,154 | 18 | 103,484 | 19 | – – | – – | – – |
| 1997 | 0 | 7 | 160 | 23,455 | 12,325 | 57 | 934 | 68,748 | 15 | 105,694 | 18 | – – | – – | – – |
| 1998 | 0 | 6 | 136 | 30,232 | 12,758 | 20 | 977 | 70,520 | 4 | 114,648 | 19 | – – | – – | – – |
| 1999 | 0 | 7 | 75 | 29,324 | 12,760 | 59 | 988 | 69,969 | 5 | 113,179 | 20 | – – | – – | – – |
| 2000 | 0 | 8 | 98 | 23,159 | 4,906 | 66 | 973 | 72,687 | 6 | 101,894 | 19 | – – | – – | – – |
| 2001 | 0 | 2 | 146 | 23,509 | 7,493 | 263 | 891 | 70,433 | 4 | 102,738 | 20 | – – | – – | – – |
| 2002 | 0 | 3 | 119 | 23,249 | 9,535 | 78 | 881 | 71,599 | 10 | 105,471 | 29 | – – | – – | – – |
| 2003 | 0 | 3 | 104 | 25,134 | 8,048 | 116 | 814 | 74,523 | 13 | 108,752 | 30 | – – | – – | – – |
| 2004 | 0 | 3 | 124 | 26,985 | 3,999 | 111 | 825 | 74,551 | 18 | 106,612 | 10 | – – | – – | – – |
| 2005 | 0 | 3 | 188 | 26,907 | 6,599 | 113 | 821 | 74,563 | 14 | 109,206 | 19 | – – | – – | – – |
| 2006 | 0 | 2 | 128 | 27,563 | 6,574 | 161 | 800 | 74,780 | 9 | 110,014 | 19 | – – | – – | – – |
| 2007 | 0 | 3 | 126 | 27,909 | 6,339 | 159 | 826 | 76,546 | 3 | 111,907 | 20 | – – | – – | – – |
| 2008 | 0 | 7 | 97 | R 24,801 | 5,586 | R 260 | 767 | 75,846 | 0 | R 107,357 | 24 | – – | – – | – – |
| 2009 | 0 | 4 | 85 | 24,328 | 3,635 | 271 | 689 | 75,283 | 6 | 104,295 | 21 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.1 | 8.2 | 9.3 | 26.1 | 7.0 | 0.2 | 4.1 | 197.6 | 0.2 | 244.5 | (s) | 253.8 | (s) | 253.8 |
| 1965 | 0.2 | 9.1 | 11.7 | 38.9 | 20.4 | 0.2 | 4.3 | 218.8 | 1.0 | 295.3 | 0.0 | 304.6 | 0.0 | 304.6 |
| 1970 | 0.1 | 12.8 | 0.9 | 46.5 | 45.7 | 0.3 | 4.5 | 279.0 | 1.0 | 378.0 | 0.0 | 390.9 | 0.0 | 390.9 |
| 1975 | (s) | 7.6 | 0.9 | 50.8 | 47.0 | 0.3 | 4.8 | 312.4 | 0.9 | 417.2 | 0.0 | 424.7 | 0.0 | 424.7 |
| 1980 | 0.0 | 5.7 | 0.8 | 63.0 | 35.5 | 0.2 | 5.7 | 298.8 | 0.9 | 404.9 | 0.0 | 410.6 | 0.0 | 410.6 |
| 1985 | 0.0 | 4.3 | 0.7 | 77.3 | 33.3 | 0.5 | 5.1 | 308.3 | 0.2 | 425.5 | 0.0 | 430.0 | 0.0 | 430.0 |
| 1990 | 0.0 | 5.4 | 0.6 | 93.5 | 37.6 | 0.4 | 5.8 | 331.4 | 0.2 | 469.6 | 0.0 | R 477.1 | 0.0 | R 477.1 |
| 1995 | 0.0 | 7.2 | 0.5 | 111.8 | 64.8 | 0.4 | 5.5 | 350.2 | 0.1 | 533.4 | 0.1 | 540.7 | 0.1 | 540.8 |
| 1996 | 0.0 | 7.6 | 0.5 | 128.7 | 68.8 | 0.4 | 5.4 | 355.5 | 0.1 | 559.3 | 0.1 | 567.0 | 0.1 | 567.1 |
| 1997 | 0.0 | 7.6 | 0.8 | 136.6 | 69.9 | 0.2 | 5.7 | 358.4 | 0.1 | 571.7 | 0.1 | 579.3 | 0.1 | 579.4 |
| 1998 | 0.0 | 5.6 | 0.7 | 176.1 | 72.3 | 0.1 | 5.9 | 367.6 | (s) | 622.7 | 0.1 | 628.4 | R 0.1 | 628.5 |
| 1999 | 0.0 | 6.9 | 0.4 | 170.8 | 72.3 | 0.2 | 6.0 | 364.6 | (s) | 614.4 | 0.1 | 621.4 | 0.2 | 621.5 |
| 2000 | 0.0 | 7.8 | 0.5 | 134.9 | 27.8 | 0.2 | 5.9 | 378.7 | (s) | 548.1 | 0.1 | 555.9 | 0.1 | 556.1 |
| 2001 | 0.0 | 2.0 | 0.7 | 136.9 | 42.5 | 0.9 | 5.4 | 367.0 | (s) | 553.5 | 0.1 | 555.6 | 0.2 | 555.8 |
| 2002 | 0.0 | 2.7 | 0.6 | 135.4 | 54.1 | 0.3 | 5.3 | 372.9 | 0.1 | 568.7 | 0.1 | 571.5 | 0.2 | 571.7 |
| 2003 | 0.0 | 3.2 | 0.5 | 146.4 | 45.6 | 0.4 | 4.9 | 388.0 | 0.1 | 586.0 | 0.1 | 589.3 | 0.2 | 589.6 |
| 2004 | 0.0 | 3.5 | 0.6 | 157.2 | 22.7 | 0.4 | 5.0 | 388.8 | 0.1 | 574.8 | (s) | 578.3 | 0.1 | 578.4 |
| 2005 | 0.0 | 2.7 | 0.9 | 156.7 | 37.4 | 0.4 | 5.0 | 389.1 | 0.1 | 589.6 | 0.1 | 592.4 | 0.1 | 592.5 |
| 2006 | 0.0 | 2.5 | 0.6 | 160.6 | 37.3 | 0.6 | 4.8 | 390.2 | 0.1 | 594.2 | 0.1 | 596.8 | 0.1 | 596.9 |
| 2007 | 0.0 | 2.8 | 0.6 | 162.6 | 35.9 | 0.6 | 5.0 | 399.5 | (s) | 604.2 | 0.1 | 607.1 | 0.1 | 607.3 |
| 2008 | 0.0 | 7.3 | 0.5 | R 144.5 | 31.7 | 0.9 | 4.6 | 395.8 | 0.0 | R 578.0 | 0.1 | R 585.4 | 0.2 | R 585.5 |
| 2009 | 0.0 | 3.7 | 0.4 | 141.7 | 20.6 | 1.0 | 4.2 | 392.8 | (s) | 560.7 | 0.1 | 564.5 | 0.2 | 564.7 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Missouri

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 3,674 | 30 | 150 | 178 | 0 | 328 | 0 | 726 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 5,690 | 48 | 77 | 92 | 0 | 168 | 0 | 802 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 10,846 | 63 | 133 | 159 | 0 | 291 | 0 | 927 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 17,734 | 26 | 375 | 710 | 15 | 1,100 | 0 | 1,280 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 23,168 | 15 | 29 | 538 | 101 | 668 | 0 | 558 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 22,779 | 1 | 16 | 202 | 1 | 219 | 8,030 | 2,993 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 24,231 | 4 | 8 | 207 | 0 | 215 | 7,998 | 2,192 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 30,440 | 13 | 13 | 283 | 1,114 | 1,410 | 8,242 | 1,919 | – – | 0 | 0 | 0 | (s) | – – |
| 1996 | 33,059 | 5 | 28 | 228 | 0 | 256 | 8,890 | 1,314 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 35,193 | 7 | 25 | 275 | 0 | 300 | 8,955 | 1,593 | – – | 0 | 0 | 0 | 1 | – – |
| 1998 | 37,165 | 16 | 13 | 701 | 0 | 714 | 8,517 | 2,347 | – – | 0 | 0 | 0 | (s) | – – |
| 1999 | 36,546 | 19 | (s) | 703 | 0 | 703 | 8,587 | 1,853 | – – | 0 | 0 | 0 | 3 | – – |
| 2000 | 37,183 | 30 | (s) | 592 | 0 | 592 | 9,992 | 600 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 38,585 | 33 | (s) | 313 | 919 | 1,233 | 8,384 | 1,104 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 39,703 | 30 | 1 | 220 | 766 | 987 | 8,390 | 1,357 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 43,835 | 22 | 0 | 240 | 89 | 330 | 9,700 | 652 | – – | 0 | 0 | 0 | (s) | – – |
| 2004 | 44,379 | 25 | 0 | 154 | 221 | 375 | 7,831 | 1,480 | – – | 0 | 0 | 0 | -6 | – – |
| 2005 | 45,765 | 32 | 0 | 242 | 113 | 355 | 8,031 | 1,159 | – – | 0 | 0 | 0 | 10 | – – |
| 2006 | 45,603 | 32 | 0 | 138 | 0 | 138 | 10,117 | 199 | – – | 0 | 0 | 0 | 3 | – – |
| 2007 | 44,094 | 41 | 0 | 139 | 0 | 139 | 9,372 | 1,204 | – – | 0 | 0 | 0 | 1 | – – |
| 2008 | 43,711 | 43 | 0 | 140 | 3 | 143 | 9,379 | 2,047 | – – | 0 | 0 | 203 | 194 | – – |
| 2009 | 42,678 | 30 | 0 | 155 | 71 | 226 | 10,247 | 1,817 | – – | 0 | 0 | 499 | 658 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 80.5 | 31.3 | 0.9 | 1.0 | 0.0 | 2.0 | 0.0 | 7.8 | 0.0 | 0.0 | NA | NA | 0.0 | 121.6 |
| 1965 | 122.6 | 48.5 | 0.5 | 0.5 | 0.0 | 1.0 | 0.0 | 8.4 | 0.0 | 0.0 | NA | NA | 0.0 | 180.5 |
| 1970 | 233.4 | 63.4 | 0.8 | 0.9 | 0.0 | 1.8 | 0.0 | 9.7 | 0.0 | 0.0 | NA | NA | 0.0 | 308.3 |
| 1975 | 381.2 | 25.7 | 2.4 | 4.1 | 0.1 | 6.6 | 0.0 | 13.3 | 0.0 | 0.0 | NA | NA | 0.0 | 426.8 |
| 1980 | 493.6 | 15.0 | 0.2 | 3.1 | 0.6 | 3.9 | 0.0 | 5.8 | 0.0 | 0.0 | NA | NA | 0.0 | 518.3 |
| 1985 | 484.9 | 1.5 | 0.1 | 1.2 | (s) | 1.3 | 85.3 | 31.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 604.2 |
| 1990 | 503.0 | 3.6 | (s) | 1.2 | 0.0 | 1.3 | 84.6 | 22.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 615.3 |
| 1995 | 563.4 | 12.9 | 0.1 | 1.7 | 6.7 | 8.4 | 86.6 | 19.8 | 0.3 | 0.0 | 0.0 | 0.0 | (s) | 691.4 |
| 1996 | 600.6 | 5.3 | 0.2 | 1.3 | 0.0 | 1.5 | 93.4 | 13.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 714.6 |
| 1997 | 632.6 | 7.6 | 0.2 | 1.6 | 0.0 | 1.8 | 94.0 | 16.3 | 0.4 | 0.0 | 0.0 | 0.0 | (s) | 752.5 |
| 1998 | 664.1 | 16.3 | 0.1 | 4.1 | 0.0 | 4.2 | 89.3 | 23.9 | 0.8 | 0.0 | 0.0 | 0.0 | (s) | 798.7 |
| 1999 | 654.5 | 19.7 | (s) | 4.1 | 0.0 | 4.1 | 89.7 | 18.9 | 0.5 | 0.0 | 0.0 | 0.0 | (s) | 787.5 |
| 2000 | 663.3 | 30.9 | (s) | 3.4 | 0.0 | 3.4 | 104.2 | 6.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 808.6 |
| 2001 | 688.2 | 36.1 | (s) | 1.8 | 5.5 | 7.4 | 87.6 | 11.4 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 830.6 |
| 2002 | 698.3 | 30.2 | (s) | 1.3 | 4.6 | 5.9 | 87.6 | 13.8 | (s) | 0.0 | 0.0 | 0.0 | 0.0 | 835.8 |
| 2003 | 768.1 | 22.1 | 0.0 | 1.4 | 0.5 | 1.9 | 101.1 | 6.7 | (s) | 0.0 | 0.0 | 0.0 | (s) | 899.8 |
| 2004 | 778.5 | 25.1 | 0.0 | 0.9 | 1.3 | 2.2 | 81.7 | 14.8 | (s) | 0.0 | 0.0 | 0.0 | (s) | 902.3 |
| 2005 | 806.7 | 32.5 | 0.0 | 1.4 | 0.7 | 2.1 | 83.8 | 11.6 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 936.7 |
| 2006 | 799.8 | 33.3 | 0.0 | 0.8 | 0.0 | 0.8 | 105.6 | 2.0 | 0.1 | 0.0 | 0.0 | 0.0 | (s) | 941.6 |
| 2007 | 774.0 | 42.0 | 0.0 | 0.8 | 0.0 | 0.8 | 98.3 | 11.9 | 0.2 | 0.0 | 0.0 | 0.0 | (s) | 927.1 |
| 2008 | 766.1 | 43.8 | 0.0 | 0.8 | (s) | 0.8 | 98.0 | 20.2 | 0.3 | 0.0 | 0.0 | 2.0 | 0.7 | 931.9 |
| 2009 | 744.5 | 30.3 | 0.0 | 0.9 | 0.4 | 1.3 | 107.2 | 17.7 | 0.8 | 0.0 | 0.0 | 4.9 | 2.2 | 908.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 253 | 56 | 4,898 | 265 | 737 | 6,922 | 2,063 | 4,234 | 19,118 | 0 | 5,801 | NA |
| 1965 | 370 | 71 | 4,962 | 384 | 926 | 7,709 | 1,241 | 4,587 | 19,809 | 0 | 8,389 | NA |
| 1970 | 763 | 88 | 4,827 | 649 | 1,326 | 9,262 | 1,268 | 5,338 | 22,670 | 0 | 8,745 | NA |
| 1971 | 731 | 88 | 5,715 | 767 | 1,402 | 9,494 | 1,262 | 5,285 | 23,926 | 0 | 9,594 | NA |
| 1972 | 830 | 84 | 6,206 | 762 | 1,705 | 10,137 | 1,469 | 6,031 | 26,308 | 0 | 9,444 | NA |
| 1973 | 951 | 90 | 6,989 | 757 | 1,503 | 10,883 | 1,765 | 6,151 | 28,048 | 0 | 7,520 | NA |
| 1974 | 923 | 80 | 7,840 | 780 | 1,466 | 10,550 | 2,262 | 5,418 | 28,316 | 0 | 9,724 | NA |
| 1975 | 1,149 | 80 | 7,586 | 818 | 1,370 | 10,630 | 2,178 | 5,105 | 27,687 | 0 | 10,166 | NA |
| 1976 | 2,507 | 74 | 8,411 | 753 | 1,421 | 11,605 | 2,525 | 5,127 | 29,843 | 0 | 12,402 | NA |
| 1977 | 3,385 | 71 | 8,258 | 772 | 1,368 | 11,100 | 2,506 | 5,266 | 29,270 | 0 | 8,460 | NA |
| 1978 | 3,390 | 73 | 8,232 | 699 | 1,662 | 12,809 | 2,502 | 5,095 | 30,999 | 0 | 11,708 | NA |
| 1979 | 3,686 | 70 | 9,037 | 907 | 1,094 | 11,162 | 5,773 | 4,896 | 32,869 | 0 | 10,344 | NA |
| 1980 | 3,520 | 61 | 7,509 | 920 | 1,806 | 10,416 | 4,025 | 4,585 | 29,262 | 0 | 9,966 | NA |
| 1981 | 3,622 | 52 | 6,469 | 800 | 1,027 | 10,797 | 2,494 | 4,099 | 25,686 | 0 | 11,323 | 1 |
| 1982 | 2,826 | 52 | 5,828 | 625 | 1,446 | 10,429 | 1,608 | 3,590 | 23,525 | 0 | 10,920 | 24 |
| 1983 | 2,533 | 46 | 8,863 | 652 | 1,497 | 10,525 | 1,306 | 3,804 | 26,648 | 0 | 11,561 | 26 |
| 1984 | 5,283 | 47 | 8,161 | 642 | 1,032 | 10,451 | 798 | 4,181 | 25,266 | 0 | 11,112 | 23 |
| 1985 | 5,713 | 47 | 10,444 | 678 | 1,576 | 10,188 | 133 | 4,301 | 27,320 | 0 | 10,175 | 15 |
| 1986 | 7,780 | 41 | 6,621 | 867 | 1,505 | 10,158 | 47 | 4,843 | 24,041 | 0 | 10,857 | 8 |
| 1987 | 7,730 | 39 | 6,223 | 718 | 1,716 | 10,258 | 23 | 5,218 | 24,156 | 0 | 8,925 | 6 |
| 1988 | 10,634 | 42 | 6,078 | 809 | 1,515 | 10,441 | 221 | 5,448 | 24,513 | 0 | 8,237 | 1 |
| 1989 | 10,458 | 46 | 7,336 | 750 | 1,608 | 10,310 | 180 | 5,709 | 25,893 | 0 | 9,571 | (s) |
| 1990 | 9,850 | 43 | 7,280 | 708 | 1,740 | 10,328 | 218 | 5,518 | 25,792 | 0 | 10,717 | 3 |
| 1991 | 10,786 | 45 | 7,220 | 615 | 1,053 | 10,360 | 145 | 4,890 | 24,284 | 0 | 11,970 | 13 |
| 1992 | 11,300 | 46 | 6,836 | 864 | 1,018 | 10,727 | 88 | 5,623 | 25,156 | 0 | 8,271 | 13 |
| 1993 | 9,499 | 53 | 7,315 | 901 | 2,200 | 10,999 | 680 | 5,212 | 27,308 | 0 | 9,614 | 15 |
| 1994 | 11,357 | 52 | 7,381 | 855 | 1,055 | 11,097 | 369 | 5,930 | 26,687 | 0 | 8,150 | 0 |
| 1995 | 10,272 | 58 | 8,049 | 1,052 | 918 | 11,328 | 236 | 6,428 | 28,011 | 0 | 10,746 | 17 |
| 1996 | 8,210 | 61 | 8,070 | 999 | 1,618 | 11,753 | 181 | 7,421 | 30,041 | 0 | 13,795 | 0 |
| 1997 | 9,653 | 60 | 9,037 | 793 | 277 | 11,480 | 162 | 6,780 | 28,528 | 0 | 13,406 | 0 |
| 1998 | 11,046 | 60 | 7,863 | 798 | 271 | 11,596 | 106 | 7,698 | 28,333 | 0 | 11,118 | 10 |
| 1999 | 11,074 | 62 | 7,921 | 836 | 527 | 11,768 | 20 | 9,551 | 30,624 | 0 | 13,822 | 11 |
| 2000 | 10,554 | 68 | 8,069 | 747 | 1,324 | 11,559 | 1 | 7,953 | 29,652 | 0 | 9,623 | 13 |
| 2001 | 11,000 | 65 | 8,476 | 756 | 1,400 | 11,640 | 2 | 6,090 | 28,365 | 0 | 6,613 | 35 |
| 2002 | 9,841 | 70 | 8,145 | 768 | 1,502 | 11,871 | 39 | 6,948 | 29,274 | 0 | 9,567 | 35 |
| 2003 | 11,127 | 68 | 7,721 | 832 | 2,151 | 11,846 | 6 | 6,046 | 28,603 | 0 | 8,702 | 30 |
| 2004 | 11,522 | 67 | 9,988 | 1,008 | 2,384 | 11,991 | 42 | 6,760 | 32,173 | 0 | 8,856 | 38 |
| 2005 | 11,822 | 68 | 11,465 | 1,112 | 2,455 | 11,770 | 106 | 6,601 | 33,511 | 0 | 9,587 | 261 |
| 2006 | 11,531 | 74 | 12,232 | 1,045 | 2,409 | 11,960 | 125 | 7,672 | 35,443 | 0 | 10,130 | 311 |
| 2007 | 12,041 | 74 | 13,880 | 1,026 | 2,993 | 12,079 | 0 | 8,155 | 38,133 | 0 | 9,364 | 525 |
| 2008 | 12,113 | 76 | R 10,673 | 832 | 3,076 | 11,626 | 0 | 7,501 | R 33,707 | 0 | 10,000 | 660 |
| 2009 | 10,221 | 76 | 10,242 | 792 | 2,683 | 11,877 | 61 | 6,334 | 31,990 | 0 | 9,506 | 762 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Montana

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 4.0 | 57.6 | 28.5 | 1.4 | 3.0 | 36.4 | 13.0 | 24.9 | 107.1 | 168.7 | *57.6* | *36.4* |
| 1965 | 5.5 | 70.8 | 28.9 | 2.1 | 3.7 | 40.5 | 7.8 | 27.8 | 110.8 | 187.2 | *70.8* | *40.5* |
| 1970 | 12.0 | 90.6 | 28.1 | 3.6 | 5.0 | 48.7 | 8.0 | 32.8 | 126.1 | 228.8 | *90.6* | *48.7* |
| 1971 | 11.5 | 91.1 | 33.3 | 4.3 | 5.3 | 49.9 | 7.9 | 32.5 | 133.1 | 235.7 | *91.1* | *49.9* |
| 1972 | 13.2 | 87.0 | 36.1 | 4.3 | 6.4 | 53.2 | 9.2 | 37.0 | 146.3 | 246.5 | *87.0* | *53.2* |
| 1973 | 15.2 | 93.1 | 40.7 | 4.2 | 5.6 | 57.2 | 11.1 | 37.6 | 156.5 | 264.8 | *93.1* | *57.2* |
| 1974 | 14.7 | 81.7 | 45.7 | 4.4 | 5.5 | 55.4 | 14.2 | 33.2 | 158.3 | 254.7 | *81.7* | *55.4* |
| 1975 | 18.6 | 81.2 | 44.2 | 4.6 | 5.1 | 55.8 | 13.7 | 31.2 | 154.6 | 254.4 | *81.2* | *55.8* |
| 1976 | 42.2 | 75.4 | 49.0 | 4.2 | 5.3 | 61.0 | 15.9 | 31.5 | 166.8 | 284.4 | *75.4* | *61.0* |
| 1977 | 57.8 | 71.6 | 48.1 | 4.3 | 5.0 | 58.3 | 15.8 | 32.3 | 163.8 | 293.2 | *71.6* | *58.3* |
| 1978 | 57.6 | 72.7 | 48.0 | 3.9 | 6.1 | 67.3 | 15.7 | 31.1 | 172.1 | 302.4 | *72.7* | *67.3* |
| 1979 | 63.4 | 69.1 | 52.6 | 5.1 | 4.0 | 58.6 | 36.3 | 30.0 | 186.7 | 319.2 | *69.1* | *58.6* |
| 1980 | 60.2 | 61.5 | 43.7 | 5.2 | 6.6 | 54.7 | 25.3 | 28.1 | 163.6 | 285.3 | *61.5* | *54.7* |
| 1981 | 62.5 | 53.0 | 37.7 | 4.5 | 3.7 | 56.7 | 15.7 | 25.5 | 143.8 | 259.4 | *53.0* | *56.7* |
| 1982 | 48.6 | 52.8 | 33.9 | 3.5 | 5.2 | 54.8 | 10.1 | 22.4 | 130.0 | 231.4 | *52.8* | *54.8* |
| 1983 | 42.8 | 46.6 | 51.6 | 3.7 | 5.4 | 55.3 | 8.2 | 23.7 | 147.9 | 237.3 | *46.6* | *55.3* |
| 1984 | 90.3 | 47.1 | 47.5 | 3.6 | 3.7 | 54.9 | 5.0 | 26.0 | 140.8 | 278.1 | *47.1* | *54.9* |
| 1985 | 99.1 | 47.3 | 60.8 | 3.8 | 5.7 | 53.5 | 0.8 | 27.0 | 151.7 | 298.1 | *47.3* | *53.5* |
| 1986 | 133.2 | 41.1 | 38.6 | 4.8 | 5.5 | 53.4 | 0.3 | 30.7 | 133.3 | 307.6 | *41.1* | *53.4* |
| 1987 | 132.9 | 39.6 | 36.3 | 4.0 | 6.3 | 53.9 | 0.1 | 32.6 | 133.2 | 305.7 | *39.6* | *53.9* |
| 1988 | 181.5 | 42.9 | 35.4 | 4.5 | 5.5 | 54.8 | 1.4 | 33.7 | 135.4 | 359.8 | *42.9* | *54.8* |
| 1989 | 179.4 | 46.7 | 42.7 | 4.2 | 5.9 | 54.2 | 1.1 | 35.4 | 143.5 | 369.5 | *46.7* | *54.2* |
| 1990 | 168.8 | 44.4 | 42.4 | 4.0 | 6.3 | 54.3 | 1.4 | 34.0 | 142.3 | 355.6 | *44.4* | *54.3* |
| 1991 | 184.2 | 46.7 | 42.1 | 3.5 | 3.8 | 54.4 | 0.9 | 30.3 | 135.0 | 365.9 | *46.7* | *54.4* |
| 1992 | 194.1 | 46.6 | 39.8 | 4.8 | 3.7 | 56.3 | 0.6 | 34.6 | 139.8 | 380.5 | *46.6* | *56.3* |
| 1993 | 161.9 | 54.3 | 42.6 | 5.0 | 7.9 | 57.7 | 4.3 | 32.5 | 150.0 | 366.2 | *54.3* | *57.8* |
| 1994 | 193.7 | 53.3 | 43.0 | 4.8 | 3.8 | 58.0 | 2.3 | 36.9 | 148.8 | 395.8 | *53.3* | *58.0* |
| 1995 | 175.3 | 59.6 | 46.9 | 5.9 | 3.3 | 59.0 | 1.5 | 39.5 | 156.1 | 391.0 | *59.6* | *59.1* |
| 1996 | 138.8 | 63.3 | 47.0 | 5.7 | 5.8 | 61.3 | 1.1 | 45.6 | 166.6 | 368.6 | *63.3* | *61.3* |
| 1997 | 162.6 | 61.7 | 52.6 | 4.5 | 1.0 | 59.8 | 1.0 | 41.6 | 160.6 | 384.9 | *61.7* | *59.8* |
| 1998 | 186.1 | 61.4 | 45.8 | 4.5 | 1.0 | 60.4 | 0.7 | 47.3 | 159.7 | 407.2 | *61.4* | *60.4* |
| 1999 | 186.8 | 63.6 | 46.1 | 4.7 | 1.9 | 61.3 | 0.1 | 59.1 | 173.3 | 423.7 | *63.6* | *61.3* |
| 2000 | 176.8 | 69.6 | 47.0 | 4.2 | 4.8 | 60.2 | (s) | 49.2 | 165.4 | 411.7 | *69.6* | *60.2* |
| 2001 | 184.4 | 66.5 | 49.4 | 4.3 | 5.1 | 60.5 | (s) | 37.1 | 156.3 | 407.2 | *66.5* | *60.6* |
| 2002 | 166.3 | 71.0 | 47.4 | 4.4 | 5.4 | 61.7 | 0.2 | 42.4 | 161.5 | 398.8 | *71.0* | *61.8* |
| 2003 | 189.0 | 70.0 | 45.0 | 4.7 | 7.8 | 61.6 | (s) | 36.5 | 155.6 | 414.6 | *70.0* | *61.7* |
| 2004 | 195.6 | 68.6 | 58.2 | 5.7 | 8.6 | 62.4 | 0.3 | 41.2 | 176.4 | 440.6 | *68.6* | *62.5* |
| 2005 | 199.5 | 71.1 | 66.8 | 6.3 | 8.9 | 60.5 | 0.7 | 40.1 | R 183.3 | 453.8 | *71.1* | *61.4* |
| 2006 | 194.3 | 75.1 | 71.2 | 5.9 | 8.7 | 61.3 | 0.8 | 47.0 | 194.9 | R 464.4 | *75.1* | *62.4* |
| 2007 | 202.5 | 75.0 | 80.8 | 5.8 | 10.7 | 61.2 | 0.0 | 49.5 | R 208.2 | R 485.7 | *75.0* | *63.0* |
| 2008 | 203.3 | 77.6 | R 62.2 | 4.7 | 11.1 | R 58.4 | 0.0 | 45.6 | R 181.9 | R 462.8 | *77.6* | *60.7* |
| 2009 | 172.8 | 76.4 | 59.7 | 4.5 | 9.5 | 59.3 | 0.4 | 38.5 | 171.9 | 421.1 | *76.4* | *62.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Montana (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 62.4 | 7.5 | NA | NA | 7.5 | 0.0 | NA | NA | 69.9 | -11.1 | (s) | 227.6 |
| 1965 | 0.0 | 87.7 | 7.8 | NA | NA | 7.8 | 0.0 | NA | NA | 95.5 | -23.7 | (s) | 259.0 |
| 1970 | 0.0 | 91.8 | 6.6 | NA | NA | 6.6 | 0.0 | NA | NA | 98.4 | -4.4 | (s) | R 322.7 |
| 1971 | 0.0 | 100.5 | 6.7 | NA | NA | 6.7 | 0.0 | NA | NA | 107.3 | -9.0 | (s) | 333.9 |
| 1972 | 0.0 | 98.0 | 6.3 | NA | NA | 6.3 | 0.0 | NA | NA | 104.3 | R -8.5 | (s) | R 342.3 |
| 1973 | 0.0 | 78.1 | 6.5 | NA | NA | 6.5 | 0.0 | NA | NA | 84.6 | R -1.9 | (s) | R 347.6 |
| 1974 | 0.0 | 101.5 | 5.0 | NA | NA | 5.0 | 0.0 | NA | NA | 106.6 | R -9.4 | (s) | R 351.8 |
| 1975 | 0.0 | 105.8 | 6.2 | NA | NA | 6.2 | 0.0 | NA | NA | 112.0 | R -21.1 | (s) | R 345.3 |
| 1976 | 0.0 | 128.6 | 7.2 | NA | NA | 7.2 | 0.0 | NA | NA | 135.8 | R -55.2 | (s) | R 365.0 |
| 1977 | 0.0 | 88.3 | 9.1 | NA | NA | 9.1 | 0.0 | NA | NA | 97.3 | R -29.6 | (s) | R 360.9 |
| 1978 | 0.0 | 121.3 | 10.9 | NA | NA | 10.9 | 0.0 | NA | NA | 132.2 | R -51.4 | (s) | R 383.1 |
| 1979 | 0.0 | 107.1 | 12.3 | NA | NA | 12.3 | 0.0 | NA | NA | 119.4 | R -41.5 | (s) | R 397.1 |
| 1980 | 0.0 | 103.5 | 11.1 | NA | NA | 11.1 | 0.0 | NA | NA | 114.6 | R -39.7 | (s) | R 360.2 |
| 1981 | 0.0 | 118.4 | 12.6 | (s) | (s) | 12.6 | 0.0 | NA | NA | 131.0 | R -53.3 | (s) | R 337.1 |
| 1982 | 0.0 | 114.2 | 12.4 | 0.1 | (s) | 12.5 | 0.0 | NA | NA | 126.7 | R -41.2 | (s) | R 316.9 |
| 1983 | 0.0 | 121.6 | 13.9 | 0.1 | 0.1 | R 14.0 | 0.0 | NA | 0.0 | 135.7 | R -49.7 | (s) | R 323.3 |
| 1984 | 0.0 | 116.0 | 14.3 | 0.1 | 0.1 | 14.5 | 0.0 | 0.0 | (s) | 130.5 | R -49.2 | (s) | R 359.4 |
| 1985 | 0.0 | 106.3 | 14.4 | 0.1 | 0.1 | 14.6 | 0.0 | 0.0 | (s) | 120.8 | R -49.0 | 0.2 | R 370.2 |
| 1986 | 0.0 | 113.4 | 20.2 | (s) | 0.1 | 20.4 | 0.0 | 0.0 | (s) | 133.8 | R -88.9 | (s) | R 352.5 |
| 1987 | 0.0 | 93.0 | 17.9 | (s) | 0.1 | 18.0 | 0.0 | 0.0 | 0.0 | 111.0 | R -87.6 | 0.1 | R 329.2 |
| 1988 | 0.0 | 85.0 | 18.6 | (s) | 0.1 | 18.7 | 0.0 | 0.0 | 0.0 | 103.7 | R -121.8 | (s) | R 341.7 |
| 1989 | 0.0 | 99.8 | 10.7 | (s) | 0.1 | 10.8 | 0.1 | (s) | 0.0 | 110.8 | R -128.6 | 0.1 | R 351.7 |
| 1990 | 0.0 | 111.5 | 11.7 | (s) | 0.1 | 11.8 | 0.1 | (s) | 0.0 | 123.4 | R -129.5 | 0.2 | R 349.6 |
| 1991 | 0.0 | 124.9 | 17.1 | (s) | 0.1 | 17.2 | 0.1 | (s) | 0.0 | 142.3 | R -154.6 | 0.1 | R 353.7 |
| 1992 | 0.0 | 85.5 | 10.0 | (s) | 0.1 | 10.2 | 0.1 | (s) | (s) | 95.8 | R -130.2 | 0.1 | R 346.2 |
| 1993 | 0.0 | 99.1 | 9.7 | 0.1 | 0.0 | 9.8 | 0.1 | (s) | 0.0 | 109.0 | R -111.5 | (s) | R 363.8 |
| 1994 | 0.0 | 84.1 | 10.1 | 0.0 | 0.1 | 10.2 | 0.1 | (s) | 0.0 | 94.4 | R -123.0 | (s) | R 367.3 |
| 1995 | 0.0 | 110.8 | 16.4 | 0.1 | 0.1 | 16.6 | 0.1 | (s) | 0.0 | 127.5 | R -133.6 | (s) | R 384.8 |
| 1996 | 0.0 | 142.6 | 15.7 | 0.0 | (s) | 15.8 | 0.1 | (s) | 0.0 | 158.5 | R -133.0 | 0.1 | R 394.2 |
| 1997 | 0.0 | 136.9 | 16.2 | 0.0 | (s) | 16.2 | 0.1 | (s) | 0.0 | 153.3 | R -171.6 | (s) | R 366.6 |
| 1998 | 0.0 | 113.4 | 14.7 | (s) | (s) | 14.8 | 0.1 | (s) | 0.0 | 128.3 | R -147.7 | 0.1 | R 387.9 |
| 1999 | 0.0 | 141.3 | 15.4 | (s) | (s) | 15.4 | 0.3 | (s) | 0.0 | 157.1 | R -185.2 | -0.1 | R 395.5 |
| 2000 | 0.0 | 98.2 | 15.3 | (s) | (s) | 15.4 | 0.3 | (s) | 0.0 | 113.8 | R -118.6 | (s) | R 407.0 |
| 2001 | 0.0 | 68.3 | 11.9 | 0.1 | (s) | 12.0 | 0.3 | (s) | 0.0 | 80.7 | R -133.3 | (s) | R 354.6 |
| 2002 | 0.0 | 97.3 | 11.0 | 0.1 | (s) | 11.1 | 0.3 | (s) | 0.0 | 108.7 | R -129.4 | 0.2 | R 378.4 |
| 2003 | 0.0 | 89.1 | 12.0 | 0.1 | (s) | 12.1 | 0.3 | (s) | 0.0 | 101.5 | R -144.5 | (s) | R 371.6 |
| 2004 | 0.0 | 88.8 | 12.5 | 0.1 | 0.0 | 12.7 | 0.3 | (s) | 0.0 | 101.7 | R -147.9 | -0.1 | R 394.2 |
| 2005 | 0.0 | 95.9 | R 17.8 | 0.9 | 0.0 | R 18.7 | 0.3 | (s) | 0.0 | R 114.9 | R -153.3 | (s) | R 415.4 |
| 2006 | 0.0 | 100.5 | R 17.3 | 1.1 | 0.0 | R 18.4 | 0.3 | (s) | 4.3 | R 123.4 | R -154.5 | -0.7 | R 432.6 |
| 2007 | 0.0 | 92.6 | R 20.1 | 1.8 | 0.0 | R 21.9 | 0.3 | (s) | 4.9 | R 119.7 | R -140.1 | -0.2 | R 465.1 |
| 2008 | 0.0 | 98.5 | R 18.2 | 2.3 | 0.0 | R 20.5 | R 0.3 | (s) | 5.8 | R 125.1 | R -148.5 | -0.8 | R 438.6 |
| 2009 | 0.0 | 92.8 | 16.2 | 2.6 | 0.0 | 18.9 | 0.3 | (s) | 8.0 | 119.9 | -128.6 | -1.0 | 411.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 67 | 55 | 4,898 | 265 | 737 | 6,922 | 2,063 | 4,234 | 19,118 | 0 | – – | – – | – – | – – | 4,575 | – – | – – | – – |
| 1965 | 74 | 69 | 4,962 | 384 | 926 | 7,709 | 1,241 | 4,587 | 19,808 | 0 | – – | – – | – – | – – | 6,080 | – – | – – | – – |
| 1970 | 40 | 85 | 4,826 | 649 | 1,326 | 9,262 | 1,243 | 5,338 | 22,644 | 0 | – – | – – | – – | – – | 8,750 | – – | – – | – – |
| 1975 | 60 | 78 | 7,585 | 818 | 1,370 | 10,630 | 2,125 | 5,105 | 27,634 | 0 | – – | – – | – – | – – | 8,948 | – – | – – | – – |
| 1980 | 168 | 57 | 7,450 | 920 | 1,806 | 10,416 | 4,025 | 4,585 | 29,203 | 0 | – – | – – | – – | – – | 10,825 | – – | – – | – – |
| 1985 | 233 | 47 | 10,406 | 678 | 1,576 | 10,188 | 133 | 4,301 | 27,281 | 0 | – – | – – | – – | – – | 13,700 | – – | – – | – – |
| 1990 | 277 | 43 | 7,217 | 708 | 1,740 | 10,328 | 218 | 5,518 | 25,729 | 0 | – – | – – | – – | – – | 13,125 | – – | – – | – – |
| 1995 | 632 | 57 | 7,992 | 1,052 | 918 | 11,328 | 236 | 5,207 | 26,733 | 0 | – – | – – | – – | – – | 13,419 | – – | – – | – – |
| 2000 | 169 | 68 | 8,028 | 747 | 1,324 | 11,559 | 1 | 6,596 | 28,255 | 0 | – – | – – | – – | – – | 14,580 | – – | – – | – – |
| 2001 | 162 | 65 | 8,474 | 756 | 1,400 | 11,640 | 2 | 4,661 | 26,935 | 0 | – – | – – | – – | – – | 11,447 | – – | – – | – – |
| 2002 | 95 | 69 | 8,120 | 768 | 1,502 | 11,871 | 39 | 5,704 | 28,003 | 0 | – – | – – | – – | – – | 12,831 | – – | – – | – – |
| 2003 | 95 | 68 | 7,693 | 832 | 2,151 | 11,846 | 6 | 4,859 | 27,388 | 0 | – – | – – | – – | – – | 12,825 | – – | – – | – – |
| 2004 | 200 | 67 | 9,955 | 1,008 | 2,384 | 11,991 | 42 | 5,426 | 30,807 | 0 | – – | – – | – – | – – | 12,957 | – – | – – | – – |
| 2005 | 235 | 68 | 11,447 | 1,112 | 2,455 | 11,770 | 106 | 5,343 | 32,235 | 0 | – – | – – | – – | – – | 13,479 | – – | – – | – – |
| 2006 | 229 | 73 | 12,207 | 1,045 | 2,409 | 11,960 | 125 | 6,393 | 34,139 | 0 | – – | – – | – – | – – | 13,815 | – – | – – | – – |
| 2007 | 112 | 73 | 13,859 | 1,026 | 2,993 | 12,079 | 0 | 6,912 | 36,869 | 0 | – – | – – | – – | – – | 15,532 | – – | – – | – – |
| 2008 | 102 | 76 | 10,658 | 832 | 3,076 | 11,626 | 0 | 6,336 | 32,529 | 0 | – – | – – | – – | – – | 15,326 | – – | – – | – – |
| 2009 | 70 | 75 | 10,225 | 792 | 2,683 | 11,877 | 61 | 4,986 | 30,624 | 0 | – – | – – | – – | – – | 14,326 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 1.5 | 57.3 | 28.5 | 1.4 | 3.0 | 36.4 | 13.0 | 24.9 | 107.1 | 0.0 | 7.5 | NA | NA | NA | 15.6 | 189.0 | 38.6 | 227.6 |
| 1965 | 1.6 | 68.8 | 28.9 | 2.1 | 3.7 | 40.5 | 7.8 | 27.8 | 110.8 | 0.0 | 7.4 | NA | NA | NA | 20.7 | 209.5 | 49.5 | 259.0 |
| 1970 | 0.8 | 88.0 | 28.1 | 3.6 | 5.0 | 48.7 | 7.8 | 32.8 | 126.0 | 0.0 | 5.9 | NA | NA | NA | 29.9 | 250.5 | 72.2 | 322.7 |
| 1975 | 1.3 | 80.0 | 44.2 | 4.6 | 5.1 | 55.8 | 13.4 | 31.2 | 154.2 | 0.0 | 6.1 | NA | NA | NA | 30.5 | 272.1 | 73.2 | 345.3 |
| 1980 | 3.2 | 57.1 | 43.4 | 5.2 | 6.6 | 54.7 | 25.3 | 28.1 | 163.3 | 0.0 | 10.9 | NA | NA | NA | 36.9 | 271.4 | 88.7 | 360.2 |
| 1985 | 4.2 | 46.7 | 60.6 | 3.8 | 5.7 | 53.5 | 0.8 | 27.0 | 151.5 | 0.0 | 13.8 | 0.1 | NA | NA | 46.7 | 263.1 | 107.1 | 370.2 |
| 1990 | 5.1 | 43.9 | 42.0 | 4.0 | 6.3 | 54.3 | 1.4 | 34.0 | 142.0 | 0.0 | 10.9 | 0.1 | 0.1 | (s) | 44.8 | 246.9 | 102.8 | 349.6 |
| 1995 | 11.5 | 59.2 | 46.6 | 5.9 | 3.3 | 59.1 | 1.5 | 32.1 | 148.5 | 0.0 | 16.4 | 0.1 | 0.1 | (s) | 45.8 | 281.5 | 103.3 | 384.8 |
| 2000 | 2.7 | 69.4 | 46.8 | 4.2 | 4.8 | 60.2 | (s) | 41.0 | 157.0 | 0.0 | 15.3 | (s) | 0.3 | (s) | 49.7 | 294.5 | 112.5 | 407.0 |
| 2001 | 2.7 | 66.3 | 49.4 | 4.3 | 5.1 | 60.6 | (s) | 28.5 | 147.9 | 0.0 | 11.9 | (s) | 0.3 | (s) | 39.1 | 268.1 | 86.5 | 354.6 |
| 2002 | 1.4 | 70.9 | 47.3 | 4.4 | 5.4 | 61.8 | 0.2 | 34.9 | 154.0 | 0.0 | 11.0 | (s) | 0.3 | (s) | 43.8 | 281.3 | 97.0 | 378.4 |
| 2003 | 1.4 | 69.8 | 44.8 | 4.7 | 7.8 | 61.7 | (s) | 29.3 | 148.4 | 0.0 | 12.0 | (s) | 0.3 | (s) | 43.8 | 275.6 | 96.0 | 371.6 |
| 2004 | 3.3 | 68.4 | 58.0 | 5.7 | 8.6 | 62.5 | 0.3 | 33.2 | 168.3 | 0.0 | 12.5 | 0.0 | 0.3 | (s) | 44.2 | 297.0 | 97.2 | 394.2 |
| 2005 | 3.9 | 70.9 | 66.7 | 6.3 | 8.9 | 61.4 | 0.7 | 32.5 | 176.5 | 0.0 | 17.8 | 0.0 | 0.3 | (s) | 46.0 | 315.4 | 100.0 | 415.4 |
| 2006 | 3.8 | 74.6 | 71.1 | 5.9 | 8.7 | 62.4 | 0.8 | 39.3 | 188.2 | 0.0 | 17.3 | 0.0 | 0.3 | (s) | 47.1 | 331.3 | 101.3 | 432.6 |
| 2007 | 1.7 | 74.0 | 80.7 | 5.8 | 10.7 | 63.0 | 0.0 | 42.1 | 202.4 | 0.0 | 20.1 | 0.0 | 0.3 | (s) | 53.0 | 351.4 | 113.7 | 465.1 |
| 2008 | 1.7 | 77.1 | 62.1 | 4.7 | 11.1 | 60.7 | 0.0 | 38.5 | 177.1 | 0.0 | 18.2 | 0.0 | 0.3 | (s) | 52.3 | 326.6 | 111.9 | 438.6 |
| 2009 | 1.1 | 75.7 | 59.6 | 4.5 | 9.5 | 62.0 | 0.4 | 30.4 | 166.3 | 0.0 | 16.2 | 0.0 | 0.3 | (s) | 48.9 | 308.6 | 102.9 | 411.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 18 | 17 | 262 | 0 | 488 | 750 | 237 | – – | – – | 935 | – – | – – | – – |
| 1965 | 13 | 20 | 277 | 0 | 614 | 891 | 182 | – – | – – | 1,216 | – – | – – | – – |
| 1970 | 7 | 25 | 249 | 0 | 856 | 1,106 | 139 | – – | – – | 1,534 | – – | – – | – – |
| 1975 | 3 | 24 | 589 | 0 | 939 | 1,528 | 153 | – – | – – | 2,143 | – – | – – | – – |
| 1980 | 3 | 19 | 421 | 0 | 799 | 1,220 | 125 | – – | – – | 2,916 | – – | – – | – – |
| 1985 | 2 | 19 | 309 | 9 | 583 | 901 | 195 | – – | – – | 3,614 | – – | – – | – – |
| 1990 | 11 | 17 | 291 | 1 | 784 | 1,077 | 89 | – – | – – | 3,358 | – – | – – | – – |
| 1995 | 1 | 20 | 218 | 1 | 456 | 674 | 86 | – – | – – | 3,640 | – – | – – | – – |
| 1996 | 1 | 22 | 325 | 1 | 501 | 827 | 90 | – – | – – | 3,911 | – – | – – | – – |
| 1997 | 9 | 21 | 685 | 2 | 146 | 833 | 95 | – – | – – | 3,804 | – – | – – | – – |
| 1998 | (s) | 19 | 404 | 3 | 83 | 489 | 84 | – – | – – | 3,722 | – – | – – | – – |
| 1999 | (s) | 20 | 225 | 1 | 330 | 557 | 89 | – – | – – | 3,664 | – – | – – | – – |
| 2000 | (s) | 20 | 170 | (s) | 890 | 1,060 | 95 | – – | – – | 3,908 | – – | – – | – – |
| 2001 | (s) | 20 | 170 | 1 | 907 | 1,077 | 52 | – – | – – | 3,886 | – – | – – | – – |
| 2002 | (s) | 22 | 122 | 1 | 929 | 1,052 | 53 | – – | – – | 4,031 | – – | – – | – – |
| 2003 | (s) | 20 | 190 | 4 | 1,398 | 1,592 | 56 | – – | – – | 4,120 | – – | – – | – – |
| 2004 | 11 | 20 | 187 | 1 | 1,863 | 2,050 | 57 | – – | – – | 4,053 | – – | – – | – – |
| 2005 | 12 | 20 | 169 | 1 | 1,732 | 1,902 | R 302 | – – | – – | 4,221 | – – | – – | – – |
| 2006 | 13 | 19 | 196 | 1 | 1,726 | 1,923 | R 275 | – – | – – | 4,394 | – – | – – | – – |
| 2007 | (s) | 20 | 197 | 1 | 1,990 | 2,187 | R 303 | – – | – – | 4,542 | – – | – – | – – |
| 2008 | 1 | 22 | R 162 | 2 | 2,230 | R 2,395 | R 317 | – – | – – | 4,669 | – – | – – | – – |
| 2009 | 1 | 22 | 118 | (s) | 2,362 | 2,480 | 303 | – – | – – | 4,774 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.4 | 17.5 | 1.5 | 0.0 | 2.0 | 3.5 | 4.7 | NA | NA | 3.2 | 29.3 | 7.9 | 37.2 |
| 1965 | 0.3 | 19.9 | 1.6 | 0.0 | 2.5 | 4.1 | 3.6 | NA | NA | 4.1 | 32.1 | 9.9 | 42.0 |
| 1970 | 0.1 | 25.6 | 1.5 | 0.0 | 3.2 | 4.7 | 2.8 | NA | NA | 5.2 | 38.4 | 12.7 | 51.1 |
| 1975 | 0.1 | 24.6 | 3.4 | 0.0 | 3.5 | 6.9 | 3.1 | NA | NA | 7.3 | 41.9 | R 17.5 | 59.5 |
| 1980 | 0.1 | 19.5 | 2.5 | 0.0 | 2.9 | 5.4 | 2.5 | NA | NA | 9.9 | 37.4 | R 23.9 | R 61.3 |
| 1985 | (s) | 19.4 | 1.8 | 0.1 | 2.1 | 4.0 | 3.9 | NA | NA | 12.3 | 39.6 | R 28.2 | R 67.8 |
| 1990 | 0.2 | 17.3 | 1.7 | (s) | 2.8 | 4.5 | 1.8 | (s) | (s) | 11.5 | 35.3 | R 26.3 | R 61.6 |
| 1995 | (s) | 20.2 | 1.3 | (s) | 1.7 | 2.9 | 1.7 | (s) | (s) | 12.4 | 37.4 | R 28.0 | R 65.4 |
| 1996 | (s) | 22.8 | 1.9 | (s) | 1.8 | 3.7 | 1.8 | (s) | (s) | 13.3 | 41.7 | R 30.2 | R 71.9 |
| 1997 | 0.2 | 21.7 | 4.0 | (s) | 0.5 | 4.5 | 1.9 | (s) | (s) | 13.0 | 41.3 | R 29.2 | R 70.5 |
| 1998 | (s) | 19.7 | 2.4 | (s) | 0.3 | 2.7 | 1.7 | (s) | (s) | 12.7 | 36.8 | R 28.6 | R 65.4 |
| 1999 | (s) | 20.1 | 1.3 | (s) | 1.2 | 2.5 | 1.8 | 0.1 | (s) | 12.5 | 37.0 | R 28.4 | R 65.4 |
| 2000 | (s) | 20.6 | 1.0 | (s) | 3.2 | 4.2 | 1.9 | 0.1 | (s) | 13.3 | 40.1 | R 30.2 | R 70.3 |
| 2001 | (s) | 20.6 | 1.0 | (s) | 3.3 | 4.3 | 1.0 | 0.1 | (s) | 13.3 | 39.2 | R 29.4 | R 68.6 |
| 2002 | (s) | 22.2 | 0.7 | (s) | 3.4 | 4.1 | 1.1 | 0.1 | (s) | 13.8 | 41.1 | R 30.5 | R 71.6 |
| 2003 | (s) | 20.9 | 1.1 | (s) | 5.1 | 6.2 | 1.1 | 0.1 | (s) | 14.1 | 42.4 | R 30.8 | R 73.2 |
| 2004 | 0.2 | 20.4 | 1.1 | (s) | 6.7 | 7.8 | 1.1 | 0.1 | (s) | 13.8 | 43.5 | R 30.4 | R 73.9 |
| 2005 | 0.2 | 20.6 | 1.0 | (s) | 6.3 | 7.3 | R 6.0 | 0.1 | (s) | 14.4 | R 48.6 | R 31.3 | R 79.9 |
| 2006 | 0.2 | 19.8 | 1.1 | (s) | 6.2 | 7.4 | R 5.5 | 0.1 | (s) | 15.0 | R 47.9 | R 32.2 | R 80.2 |
| 2007 | (s) | 20.0 | 1.1 | (s) | 7.1 | 8.3 | R 6.1 | 0.1 | (s) | 15.5 | R 49.9 | R 33.2 | R 83.2 |
| 2008 | (s) | 21.9 | 0.9 | (s) | 8.0 | 9.0 | R 6.3 | 0.1 | (s) | 15.9 | R 53.3 | R 34.1 | R 87.4 |
| 2009 | (s) | 22.0 | 0.7 | (s) | 8.4 | 9.1 | 6.1 | 0.1 | (s) | 16.3 | 53.6 | 34.3 | 87.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 12 | 12 | 297 | 466 | 107 | 135 | 2 | 1,007 | NA | – – | – – | 688 | – – | – – | – – |
| 1965 | 10 | 14 | 315 | 227 | 135 | 144 | 1 | 822 | NA | – – | – – | 925 | – – | – – | – – |
| 1970 | 5 | 19 | 283 | 94 | 188 | 220 | 1 | 786 | NA | – – | – – | 1,187 | – – | – – | – – |
| 1975 | 7 | 19 | 668 | 54 | 206 | 174 | 2 | 1,105 | NA | – – | – – | 1,645 | – – | – – | – – |
| 1980 | 11 | 14 | 346 | 0 | 175 | 92 | 7 | 620 | NA | – – | – – | 2,094 | – – | – – | – – |
| 1985 | 6 | 15 | 772 | (s) | 128 | 72 | 126 | 1,098 | NA | – – | – – | 4,245 | – – | – – | – – |
| 1990 | 46 | 12 | 154 | (s) | 172 | 84 | 11 | 421 | 0 | – – | – – | 3,237 | – – | – – | – – |
| 1995 | 9 | 13 | 102 | (s) | 100 | 13 | 3 | 218 | 0 | – – | – – | 3,411 | – – | – – | – – |
| 1996 | 4 | 15 | 229 | (s) | 110 | 19 | 2 | 361 | 0 | – – | – – | 3,603 | – – | – – | – – |
| 1997 | 74 | 14 | 162 | (s) | 32 | 12 | 1 | 207 | 0 | – – | – – | 3,577 | – – | – – | – – |
| 1998 | 4 | 13 | 114 | (s) | 18 | 14 | 1 | 147 | 0 | – – | – – | 3,649 | – – | – – | – – |
| 1999 | 3 | 12 | 142 | (s) | 73 | 14 | 2 | 231 | 0 | – – | – – | 3,359 | – – | – – | – – |
| 2000 | 3 | 14 | 143 | (s) | 195 | 14 | 1 | 353 | 0 | – – | – – | 4,104 | – – | – – | – – |
| 2001 | 3 | 13 | 197 | (s) | 199 | 14 | 0 | 410 | 0 | – – | – – | 4,190 | – – | – – | – – |
| 2002 | 3 | 15 | 137 | 1 | 204 | 15 | 0 | 357 | 0 | – – | – – | 4,338 | – – | – – | – – |
| 2003 | 2 | 15 | 167 | 2 | 528 | 15 | 1 | 713 | 0 | – – | – – | 4,438 | – – | – – | – – |
| 2004 | 97 | 13 | 294 | 3 | 331 | 15 | 0 | 644 | 0 | – – | – – | 4,330 | – – | – – | – – |
| 2005 | 133 | 13 | 163 | 7 | 414 | 15 | 0 | 600 | 0 | – – | – – | 4,473 | – – | – – | – – |
| 2006 | 127 | 13 | 215 | (s) | 344 | 16 | 0 | 574 | 0 | – – | – – | 4,686 | – – | – – | – – |
| 2007 | 2 | 13 | 175 | (s) | 316 | 15 | 0 | 506 | 0 | – – | – – | 4,828 | – – | – – | – – |
| 2008 | 10 | 14 | R 198 | 1 | 428 | 17 | 0 | R 644 | 0 | – – | – – | 4,826 | – – | – – | – – |
| 2009 | 9 | 24 | 151 | 0 | 183 | 15 | 33 | 383 | 0 | – – | – – | 4,779 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.3 | 12.3 | 1.7 | 2.6 | 0.4 | 0.7 | (s) | 5.5 | NA | 0.1 | NA | 2.3 | 20.5 | 5.8 | 26.3 |
| 1965 | 0.2 | 14.1 | 1.8 | 1.3 | 0.5 | 0.8 | (s) | 4.4 | NA | 0.1 | NA | 3.2 | 22.0 | 7.5 | 29.5 |
| 1970 | 0.1 | 19.2 | 1.6 | 0.5 | 0.7 | 1.2 | (s) | 4.1 | NA | 0.1 | NA | 4.1 | 27.4 | 9.8 | 37.2 |
| 1975 | 0.2 | 19.0 | 3.9 | 0.3 | 0.8 | 0.9 | (s) | 5.9 | NA | 0.1 | NA | 5.6 | 30.7 | 13.5 | 44.2 |
| 1980 | 0.2 | 14.4 | 2.0 | 0.0 | 0.6 | 0.5 | (s) | 3.2 | NA | 0.1 | NA | 7.1 | 25.0 | 17.2 | R 42.2 |
| 1985 | 0.1 | 14.8 | 4.5 | (s) | 0.5 | 0.4 | 0.8 | 6.1 | NA | 0.1 | NA | 14.5 | 35.6 | R 33.2 | R 68.8 |
| 1990 | 0.9 | 12.5 | 0.9 | (s) | 0.6 | 0.4 | 0.1 | 2.0 | 0.0 | 0.2 | 0.1 | 11.0 | 26.7 | R 25.3 | R 52.0 |
| 1995 | 0.2 | 13.9 | 0.6 | (s) | 0.4 | 0.1 | (s) | 1.0 | 0.0 | 0.2 | 0.1 | 11.6 | 27.1 | R 26.3 | R 53.3 |
| 1996 | 0.1 | 15.3 | 1.3 | (s) | 0.4 | 0.1 | (s) | 1.8 | 0.0 | 0.2 | 0.1 | 12.3 | 29.8 | R 27.8 | R 57.6 |
| 1997 | 1.3 | 14.3 | 0.9 | (s) | 0.1 | 0.1 | (s) | 1.1 | 0.0 | 0.3 | 0.1 | 12.2 | 29.4 | R 27.5 | R 56.8 |
| 1998 | 0.1 | 13.3 | 0.7 | (s) | 0.1 | 0.1 | (s) | 0.8 | 0.0 | 0.3 | 0.1 | 12.4 | 27.0 | R 28.1 | R 55.0 |
| 1999 | (s) | 12.4 | 0.8 | (s) | 0.3 | 0.1 | (s) | 1.2 | 0.0 | 0.3 | 0.1 | 11.5 | 25.5 | R 26.1 | R 51.6 |
| 2000 | (s) | 13.9 | 0.8 | (s) | 0.7 | 0.1 | (s) | 1.6 | 0.0 | 0.3 | 0.2 | 14.0 | 30.0 | R 31.7 | R 61.7 |
| 2001 | (s) | 13.5 | 1.1 | (s) | 0.7 | 0.1 | 0.0 | 1.9 | 0.0 | 0.2 | 0.2 | 14.3 | 30.2 | R 31.7 | R 61.8 |
| 2002 | (s) | 15.0 | 0.8 | (s) | 0.7 | 0.1 | 0.0 | 1.6 | 0.0 | 0.2 | 0.2 | 14.8 | 31.8 | R 32.8 | R 64.6 |
| 2003 | (s) | 15.5 | 1.0 | (s) | 1.9 | 0.1 | (s) | 3.0 | 0.0 | 0.2 | 0.2 | 15.1 | 34.0 | R 33.2 | R 67.2 |
| 2004 | 1.8 | 13.8 | 1.7 | (s) | 1.2 | 0.1 | 0.0 | 3.0 | 0.0 | 0.2 | 0.2 | 14.8 | 33.7 | R 32.5 | R 66.1 |
| 2005 | 2.4 | 13.7 | 0.9 | (s) | 1.5 | 0.1 | 0.0 | 2.6 | 0.0 | R 1.0 | 0.2 | 15.3 | R 35.0 | R 33.2 | R 68.2 |
| 2006 | 2.3 | 13.4 | 1.3 | (s) | 1.2 | 0.1 | 0.0 | 2.6 | 0.0 | R 0.9 | 0.2 | 16.0 | R 35.3 | R 34.4 | R 69.7 |
| 2007 | (s) | 13.4 | 1.0 | (s) | 1.1 | 0.1 | 0.0 | 2.2 | 0.0 | R 0.9 | 0.1 | 16.5 | R 33.3 | R 35.3 | R 68.6 |
| 2008 | 0.3 | 14.6 | R 1.2 | (s) | 1.5 | 0.1 | 0.0 | 2.8 | 0.0 | R 1.0 | 0.1 | 16.5 | R 35.2 | R 35.2 | R 70.4 |
| 2009 | 0.2 | 23.8 | 0.9 | 0.0 | 0.7 | 0.1 | 0.2 | 1.8 | 0.0 | 1.0 | 0.1 | 16.3 | 43.3 | 34.3 | 77.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 36 | 26 | 1,500 | 112 | 816 | 1,684 | 2,624 | 6,737 | 0 | – – | – – | – – | 2,951 | – – | – – | – – |
| 1965 | 52 | 34 | 1,693 | 164 | 887 | 914 | 3,901 | 7,559 | 0 | – – | – – | – – | 3,939 | – – | – – | – – |
| 1970 | 28 | 41 | 1,274 | 246 | 635 | 1,123 | 5,047 | 8,324 | 0 | – – | – – | – – | 6,029 | – – | – – | – – |
| 1975 | 50 | 34 | 2,494 | 174 | 774 | 1,963 | 4,810 | 10,215 | 0 | – – | – – | – – | 5,160 | – – | – – | – – |
| 1980 | 154 | 20 | 1,925 | 786 | 619 | 4,018 | 4,229 | 11,577 | 0 | – – | – – | – – | 5,815 | – – | – – | – – |
| 1985 | 225 | 10 | 5,192 | 814 | 677 | 7 | 4,022 | 10,712 | 0 | – – | – – | – – | 5,841 | – – | – – | – – |
| 1990 | 220 | 12 | 2,778 | 717 | 615 | 207 | 5,205 | 9,522 | 0 | – – | – – | – – | 6,529 | – – | – – | – – |
| 1995 | 622 | 20 | 2,283 | 333 | 646 | 233 | 4,936 | 8,432 | 0 | – – | – – | – – | 6,368 | – – | – – | – – |
| 1996 | 130 | 21 | 2,569 | 991 | 663 | 178 | 6,009 | 10,410 | 0 | – – | – – | – – | 6,306 | – – | – – | – – |
| 1997 | 105 | 21 | 2,422 | 90 | 686 | 161 | 5,356 | 8,715 | 0 | – – | – – | – – | 4,537 | – – | – – | – – |
| 1998 | 145 | 23 | 1,955 | 108 | 437 | 106 | 6,212 | 8,818 | 0 | – – | – – | – – | 6,774 | – – | – – | – – |
| 1999 | 168 | 24 | 1,982 | 112 | 420 | 18 | 7,893 | 10,426 | 0 | – – | – – | – – | 6,258 | – – | – – | – – |
| 2000 | 166 | 26 | 1,904 | 227 | 406 | 0 | 6,258 | 8,795 | 0 | – – | – – | – – | 6,568 | – – | – – | – – |
| 2001 | 159 | 24 | 1,907 | 275 | 546 | 2 | 4,364 | 7,094 | 0 | – – | – – | – – | 3,370 | – – | – – | – – |
| 2002 | 92 | 25 | 1,842 | 358 | 566 | 39 | 5,402 | 8,206 | 0 | – – | – – | – – | 4,463 | – – | – – | – – |
| 2003 | 93 | 24 | 2,433 | 213 | 585 | 6 | 4,581 | 7,818 | 0 | – – | – – | – – | 4,267 | – – | – – | – – |
| 2004 | 92 | 25 | 3,237 | 164 | 681 | 42 | 5,206 | 9,331 | 0 | – – | – – | – – | 4,574 | – – | – – | – – |
| 2005 | 89 | 27 | 3,519 | 287 | 638 | 106 | 5,115 | 9,665 | 0 | – – | – – | – – | 4,784 | – – | – – | – – |
| 2006 | 89 | 33 | 3,673 | 322 | 694 | 95 | 6,137 | 10,920 | 0 | – – | – – | – – | 4,735 | – – | – – | – – |
| 2007 | 110 | 32 | 4,474 | 676 | 501 | 0 | 6,667 | 12,318 | 0 | – – | – – | – – | 6,163 | – – | – – | – – |
| 2008 | 90 | 33 | R 3,875 | 383 | 359 | 0 | 6,081 | R 10,698 | 0 | – – | – – | – – | 5,831 | – – | – – | – – |
| 2009 | 60 | 25 | 3,895 | 128 | 358 | 28 | 4,766 | 9,176 | 0 | – – | – – | – – | 4,773 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.8 | 27.0 | 8.7 | 0.5 | 4.3 | 10.6 | 16.3 | 40.4 | 0.0 | 2.7 | NA | NA | 10.1 | 80.9 | 24.9 | 105.8 |
| 1965 | 1.2 | 34.3 | 9.9 | 0.7 | 4.7 | 5.7 | 24.1 | 45.0 | 0.0 | 3.7 | NA | NA | 13.4 | 97.6 | 32.1 | 129.7 |
| 1970 | 0.6 | 42.5 | 7.4 | 0.9 | 3.3 | 7.1 | 31.1 | 49.8 | 0.0 | 3.0 | NA | NA | 20.6 | 116.5 | 49.8 | 166.3 |
| 1975 | 1.0 | 34.6 | 14.5 | 0.6 | 4.1 | 12.3 | 29.5 | 61.1 | 0.0 | 3.0 | NA | NA | 17.6 | 117.3 | R 42.2 | R 159.5 |
| 1980 | 2.9 | 20.3 | 11.2 | 2.9 | 3.3 | 25.3 | 26.1 | 68.7 | 0.0 | 8.3 | NA | NA | 19.8 | 120.1 | R 47.7 | R 167.8 |
| 1985 | 4.1 | 10.3 | 30.2 | 2.9 | 3.6 | (s) | 25.4 | 62.2 | 0.0 | 9.8 | 0.1 | NA | 19.9 | 106.5 | R 45.6 | R 152.1 |
| 1990 | 4.0 | 12.0 | 16.2 | 2.6 | 3.2 | 1.3 | 32.3 | 55.6 | 0.0 | 8.9 | 0.1 | (s) | 22.3 | 102.9 | R 51.1 | R 154.0 |
| 1995 | 11.2 | 21.0 | 13.3 | 1.2 | 3.4 | 1.5 | 30.6 | 49.9 | 0.0 | 14.4 | 0.1 | (s) | 21.7 | 118.4 | R 49.0 | R 167.5 |
| 1996 | 2.4 | 21.1 | 15.0 | 3.6 | 3.5 | 1.1 | 37.2 | 60.3 | 0.0 | 13.7 | (s) | (s) | 21.5 | 119.1 | R 48.6 | R 167.7 |
| 1997 | 1.9 | 21.7 | 14.1 | 0.3 | 3.6 | 1.0 | 33.1 | 52.1 | 0.0 | 14.0 | (s) | (s) | 15.5 | 105.3 | R 34.8 | R 140.1 |
| 1998 | 2.6 | 24.0 | 11.4 | 0.4 | 2.3 | 0.7 | 38.4 | 53.2 | 0.0 | 12.7 | (s) | (s) | 23.1 | 115.7 | R 52.1 | R 167.8 |
| 1999 | 3.0 | 24.6 | 11.5 | 0.4 | 2.2 | 0.1 | 49.2 | 63.4 | 0.0 | 13.3 | (s) | 0.1 | 21.4 | 125.9 | R 48.5 | R 174.4 |
| 2000 | 2.7 | 27.1 | 11.1 | 0.8 | 2.1 | 0.0 | 39.1 | 53.1 | 0.0 | 13.1 | (s) | 0.1 | 22.4 | 118.4 | R 50.7 | R 169.1 |
| 2001 | 2.6 | 24.5 | 11.1 | 1.0 | 2.8 | (s) | 26.8 | 41.8 | 0.0 | 10.7 | (s) | 0.1 | 11.5 | 91.1 | R 25.5 | R 116.6 |
| 2002 | 1.3 | 25.8 | 10.7 | 1.3 | 2.9 | 0.2 | 33.1 | 48.4 | 0.0 | 9.7 | (s) | 0.1 | 15.2 | 100.5 | R 33.7 | R 134.3 |
| 2003 | 1.4 | 24.8 | 14.2 | 0.8 | 3.0 | (s) | 27.7 | 45.8 | 0.0 | 10.6 | (s) | (s) | 14.6 | 97.2 | R 31.9 | R 129.1 |
| 2004 | 1.4 | 25.7 | 18.9 | 0.6 | 3.6 | 0.3 | 31.9 | 55.1 | 0.0 | 11.2 | 0.0 | 0.1 | 15.6 | 109.0 | R 34.3 | R 143.4 |
| 2005 | 1.3 | 28.3 | 20.5 | 1.0 | 3.3 | 0.7 | 31.2 | 56.7 | 0.0 | 10.8 | 0.0 | 0.1 | 16.3 | 113.5 | R 35.5 | R 149.0 |
| 2006 | 1.3 | 33.7 | 21.4 | 1.2 | 3.6 | 0.6 | 37.8 | 64.6 | 0.0 | R 10.9 | 0.0 | 0.1 | 16.2 | R 126.6 | R 34.7 | R 161.4 |
| 2007 | 1.6 | 32.6 | 26.1 | 2.4 | 2.6 | 0.0 | 40.6 | 71.7 | 0.0 | R 13.1 | 0.0 | 0.1 | 21.0 | R 140.2 | R 45.1 | R 185.3 |
| 2008 | 1.4 | 33.2 | R 22.6 | 1.4 | 1.9 | 0.0 | 37.1 | R 62.9 | 0.0 | R 10.9 | 0.0 | 0.1 | 19.9 | R 128.3 | R 42.6 | R 170.9 |
| 2009 | 0.9 | 25.0 | 22.7 | 0.5 | 1.9 | 0.2 | 29.1 | 54.3 | 0.0 | 9.2 | 0.0 | 0.1 | 16.3 | 105.7 | 34.3 | 140.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 1 | (s) | 1,006 | 2,839 | 265 | 29 | 137 | 5,972 | 377 | 10,624 | 0 | – – | – – | – – |
| 1965 | (s) | (s) | 312 | 2,676 | 384 | 13 | 148 | 6,678 | 325 | 10,536 | 0 | – – | – – | – – |
| 1970 | (s) | 1 | 43 | 3,020 | 649 | 36 | 154 | 8,407 | 119 | 12,428 | 0 | – – | – – | – – |
| 1975 | (s) | 2 | 79 | 3,835 | 818 | 50 | 162 | 9,682 | 160 | 14,786 | 0 | – – | – – | – – |
| 1980 | 0 | 3 | 159 | 4,759 | 920 | 45 | 196 | 9,705 | 0 | 15,786 | 0 | – – | – – | – – |
| 1985 | 0 | 2 | 91 | 4,132 | 678 | 51 | 179 | 9,439 | (s) | 14,569 | 0 | – – | – – | – – |
| 1990 | 0 | 2 | 111 | 3,993 | 708 | 67 | 201 | 9,630 | 0 | 14,709 | 0 | – – | – – | – – |
| 1995 | 0 | 4 | 78 | 5,390 | 1,052 | 28 | 192 | 10,669 | 0 | 17,409 | 0 | – – | – – | – – |
| 1996 | 0 | 3 | 99 | 4,886 | 999 | 16 | 186 | 11,070 | 0 | 17,256 | 0 | – – | – – | – – |
| 1997 | 0 | 3 | 71 | 5,718 | 793 | 8 | 197 | 10,782 | 0 | 17,569 | 0 | – – | – – | – – |
| 1998 | 0 | 4 | 102 | 5,350 | 798 | 62 | 206 | 11,145 | 0 | 17,664 | 0 | – – | – – | – – |
| 1999 | 0 | 6 | 121 | 5,536 | 836 | 12 | 208 | 11,334 | 0 | 18,047 | 0 | – – | – – | – – |
| 2000 | 0 | 8 | 134 | 5,812 | 747 | 11 | 205 | 11,139 | 0 | 18,047 | 0 | – – | – – | – – |
| 2001 | 0 | 8 | 109 | 6,200 | 756 | 20 | 188 | 11,079 | 0 | 18,353 | 0 | – – | – – | – – |
| 2002 | 0 | 8 | 115 | 6,018 | 768 | 11 | 185 | 11,290 | 0 | 18,388 | 0 | – – | – – | – – |
| 2003 | 0 | 8 | 101 | 4,903 | 832 | 12 | 171 | 11,246 | 0 | 17,265 | 0 | – – | – – | – – |
| 2004 | 0 | 8 | 42 | 6,237 | 1,008 | 26 | 174 | 11,295 | 0 | 18,782 | 0 | – – | – – | – – |
| 2005 | 0 | 8 | 47 | 7,597 | 1,112 | 22 | 173 | 11,117 | 0 | 20,069 | 0 | – – | – – | – – |
| 2006 | 0 | 8 | 87 | 8,122 | 1,045 | 18 | 168 | 11,251 | 30 | 20,722 | 0 | – – | – – | – – |
| 2007 | 0 | 8 | 69 | 9,013 | 1,026 | 12 | 174 | 11,563 | 0 | 21,858 | 0 | – – | – – | – – |
| 2008 | 0 | 7 | 90 | R 6,423 | 832 | 35 | 161 | 11,250 | 0 | R 18,792 | 0 | – – | – – | – – |
| 2009 | 0 | 5 | 75 | 6,061 | 792 | 10 | 145 | 11,503 | 0 | 18,586 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | 0.5 | 5.1 | 16.5 | 1.4 | 0.1 | 0.8 | 31.4 | 2.4 | 57.7 | 0.0 | 58.2 | 0.0 | 58.2 |
| 1965 | (s) | 0.4 | 1.6 | 15.6 | 2.1 | 0.1 | 0.9 | 35.1 | 2.0 | 57.3 | 0.0 | 57.8 | 0.0 | 57.8 |
| 1970 | (s) | 0.7 | 0.2 | 17.6 | 3.6 | 0.1 | 0.9 | 44.2 | 0.7 | 67.4 | 0.0 | 68.1 | 0.0 | 68.1 |
| 1975 | (s) | 1.8 | 0.4 | 22.3 | 4.6 | 0.2 | 1.0 | 50.9 | 1.0 | 80.4 | 0.0 | 82.1 | 0.0 | 82.1 |
| 1980 | 0.0 | 2.9 | 0.8 | 27.7 | 5.2 | 0.2 | 1.2 | 51.0 | 0.0 | 86.0 | 0.0 | 88.9 | 0.0 | 88.9 |
| 1985 | 0.0 | 2.2 | 0.5 | 24.1 | 3.8 | 0.2 | 1.1 | 49.6 | (s) | 79.2 | 0.0 | 81.5 | 0.0 | 81.5 |
| 1990 | 0.0 | 2.1 | 0.6 | 23.3 | 4.0 | 0.2 | 1.2 | 50.6 | 0.0 | 79.8 | 0.0 | 82.0 | 0.0 | 82.0 |
| 1995 | 0.0 | 4.1 | 0.4 | 31.4 | 5.9 | 0.1 | 1.2 | 55.6 | 0.0 | 94.6 | 0.0 | 98.6 | 0.0 | 98.6 |
| 1996 | 0.0 | 3.5 | 0.5 | 28.5 | 5.7 | 0.1 | 1.1 | 57.7 | 0.0 | 93.5 | 0.0 | 97.1 | 0.0 | 97.1 |
| 1997 | 0.0 | 3.6 | 0.4 | 33.3 | 4.5 | (s) | 1.2 | 56.2 | 0.0 | 95.6 | 0.0 | 99.2 | 0.0 | 99.2 |
| 1998 | 0.0 | 3.9 | 0.5 | 31.2 | 4.5 | 0.2 | 1.2 | 58.1 | 0.0 | 95.8 | 0.0 | 99.6 | 0.0 | 99.6 |
| 1999 | 0.0 | 6.2 | 0.6 | 32.2 | 4.7 | (s) | 1.3 | 59.1 | 0.0 | 98.0 | 0.0 | 104.1 | 0.0 | 104.1 |
| 2000 | 0.0 | 7.9 | 0.7 | 33.9 | 4.2 | (s) | 1.2 | 58.0 | 0.0 | 98.1 | 0.0 | 106.0 | 0.0 | 106.0 |
| 2001 | 0.0 | 7.7 | 0.5 | 36.1 | 4.3 | 0.1 | 1.1 | 57.7 | 0.0 | 99.9 | 0.0 | 107.6 | 0.0 | 107.6 |
| 2002 | 0.0 | 7.9 | 0.6 | 35.1 | 4.4 | (s) | 1.1 | 58.8 | 0.0 | 100.0 | 0.0 | 107.9 | 0.0 | 107.9 |
| 2003 | 0.0 | 8.6 | 0.5 | 28.6 | 4.7 | (s) | 1.0 | 58.6 | 0.0 | 93.4 | 0.0 | 102.0 | 0.0 | 102.0 |
| 2004 | 0.0 | 8.5 | 0.2 | 36.3 | 5.7 | 0.1 | 1.1 | 58.9 | 0.0 | 102.3 | 0.0 | 110.8 | 0.0 | 110.8 |
| 2005 | 0.0 | 8.3 | 0.2 | 44.3 | 6.3 | 0.1 | 1.0 | 58.0 | 0.0 | 109.9 | 0.0 | 118.2 | 0.0 | 118.2 |
| 2006 | 0.0 | 7.7 | 0.4 | 47.3 | 5.9 | 0.1 | 1.0 | 58.7 | 0.2 | 113.7 | 0.0 | 121.4 | 0.0 | 121.4 |
| 2007 | 0.0 | 7.9 | 0.4 | 52.5 | 5.8 | (s) | 1.1 | 60.3 | 0.0 | 120.1 | 0.0 | 128.0 | 0.0 | 128.0 |
| 2008 | 0.0 | 7.4 | 0.5 | R 37.4 | 4.7 | 0.1 | 1.0 | 58.7 | 0.0 | R 102.4 | 0.0 | R 109.8 | 0.0 | R 109.8 |
| 2009 | 0.0 | 4.9 | 0.4 | 35.3 | 4.5 | (s) | 0.9 | 60.0 | 0.0 | 101.1 | 0.0 | 106.0 | 0.0 | 106.0 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Montana

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 187 | (s) | (s) | (s) | 0 | (s) | 0 | 5,801 | – – | 0 | NA | NA | -1 | – – |
| 1965 | 296 | 2 | 1 | (s) | 0 | 1 | 0 | 8,389 | – – | 0 | NA | NA | -1 | – – |
| 1970 | 723 | 3 | 26 | (s) | 0 | 26 | 0 | 8,745 | – – | 0 | NA | NA | -1 | – – |
| 1975 | 1,089 | 1 | 53 | 1 | 0 | 54 | 0 | 10,166 | – – | 0 | NA | NA | -2 | – – |
| 1980 | 3,352 | 4 | 0 | 59 | 0 | 59 | 0 | 9,966 | – – | 0 | NA | NA | -2 | – – |
| 1985 | 5,480 | (s) | 0 | 38 | 0 | 38 | 0 | 10,175 | – – | 0 | 0 | (s) | 70 | – – |
| 1990 | 9,573 | (s) | 0 | 63 | 0 | 63 | 0 | 10,717 | – – | 0 | 0 | 0 | 47 | – – |
| 1995 | 9,641 | (s) | 0 | 57 | 1,222 | 1,278 | 0 | 10,746 | – – | 0 | 0 | 0 | (s) | – – |
| 1996 | 8,075 | (s) | 0 | 62 | 1,126 | 1,187 | 0 | 13,795 | – – | 0 | 0 | 0 | 38 | – – |
| 1997 | 9,465 | (s) | 0 | 50 | 1,155 | 1,205 | 0 | 13,406 | – – | 0 | 0 | 0 | 11 | – – |
| 1998 | 10,896 | 1 | 0 | 40 | 1,175 | 1,215 | 0 | 11,118 | – – | 0 | 0 | 0 | 23 | – – |
| 1999 | 10,903 | (s) | 0 | 37 | 1,327 | 1,363 | 0 | 13,822 | – – | 0 | 0 | 0 | -17 | – – |
| 2000 | 10,385 | (s) | 0 | 41 | 1,356 | 1,397 | 0 | 9,623 | – – | 0 | 0 | 0 | -3 | – – |
| 2001 | 10,838 | (s) | 0 | 2 | 1,429 | 1,431 | 0 | 6,613 | – – | 0 | 0 | 0 | (s) | – – |
| 2002 | 9,746 | (s) | 0 | 26 | 1,245 | 1,270 | 0 | 9,567 | – – | 0 | 0 | 0 | 52 | – – |
| 2003 | 11,032 | (s) | 0 | 28 | 1,187 | 1,215 | 0 | 8,702 | – – | 0 | 0 | 0 | 10 | – – |
| 2004 | 11,322 | (s) | 0 | 32 | 1,334 | 1,366 | 0 | 8,856 | – – | 0 | 0 | 0 | -36 | – – |
| 2005 | 11,588 | (s) | 0 | 18 | 1,258 | 1,276 | 0 | 9,587 | – – | 0 | 0 | 0 | 9 | – – |
| 2006 | 11,302 | 1 | 0 | 25 | 1,279 | 1,303 | 0 | 10,130 | – – | 0 | 0 | 436 | -214 | – – |
| 2007 | 11,929 | 1 | 0 | 21 | 1,244 | 1,264 | 0 | 9,364 | – – | 0 | 0 | 496 | -54 | – – |
| 2008 | 12,012 | 1 | 0 | 14 | 1,164 | 1,178 | 0 | 10,000 | – – | R 0 | 0 | 593 | -248 | – – |
| 2009 | 10,151 | 1 | 0 | 17 | 1,348 | 1,366 | 0 | 9,506 | – – | 0 | 0 | 821 | -288 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.5 | 0.4 | (s) | (s) | 0.0 | (s) | 0.0 | 62.4 | 0.0 | 0.0 | NA | NA | (s) | 65.3 |
| 1965 | 3.9 | 2.0 | (s) | (s) | 0.0 | (s) | 0.0 | 87.7 | 0.4 | 0.0 | NA | NA | (s) | 94.0 |
| 1970 | 11.2 | 2.6 | 0.2 | (s) | 0.0 | 0.2 | 0.0 | 91.8 | 0.8 | 0.0 | NA | NA | (s) | 106.5 |
| 1975 | 17.4 | 1.2 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 105.8 | 0.1 | 0.0 | NA | NA | (s) | 124.9 |
| 1980 | 57.0 | 4.4 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 103.5 | 0.2 | 0.0 | NA | NA | (s) | 165.4 |
| 1985 | 94.8 | 0.6 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 106.3 | 0.6 | 0.0 | 0.0 | (s) | 0.2 | 202.8 |
| 1990 | 163.7 | 0.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 111.5 | 0.8 | 0.0 | 0.0 | 0.0 | 0.2 | 277.0 |
| 1995 | 163.8 | 0.4 | 0.0 | 0.3 | 7.4 | 7.7 | 0.0 | 110.8 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 282.7 |
| 1996 | 136.3 | 0.5 | 0.0 | 0.4 | 6.8 | 7.1 | 0.0 | 142.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 286.7 |
| 1997 | 159.2 | 0.4 | 0.0 | 0.3 | 7.0 | 7.2 | 0.0 | 136.9 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 303.8 |
| 1998 | 183.4 | 0.5 | 0.0 | 0.2 | 7.1 | 7.3 | 0.0 | 113.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 304.7 |
| 1999 | 183.7 | 0.3 | 0.0 | 0.2 | 8.0 | 8.2 | 0.0 | 141.3 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 333.5 |
| 2000 | 174.1 | 0.2 | 0.0 | 0.2 | 8.2 | 8.4 | 0.0 | 98.2 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 280.8 |
| 2001 | 181.7 | 0.2 | 0.0 | (s) | 8.6 | 8.6 | 0.0 | 68.3 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 258.9 |
| 2002 | 164.9 | 0.1 | 0.0 | 0.1 | 7.5 | 7.6 | 0.0 | 97.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 270.2 |
| 2003 | 187.6 | 0.2 | 0.0 | 0.2 | 7.1 | 7.3 | 0.0 | 89.1 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 284.3 |
| 2004 | 192.3 | 0.2 | 0.0 | 0.2 | 8.0 | 8.2 | 0.0 | 88.8 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 289.3 |
| 2005 | 195.6 | 0.2 | 0.0 | 0.1 | 7.6 | 7.7 | 0.0 | 95.9 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 299.3 |
| 2006 | 190.5 | 0.5 | 0.0 | 0.1 | 7.7 | 7.8 | 0.0 | 100.5 | 0.0 | 0.0 | 0.0 | 4.3 | -0.7 | 303.0 |
| 2007 | 200.8 | 1.0 | 0.0 | 0.1 | 7.5 | 7.6 | 0.0 | 92.6 | 0.0 | 0.0 | 0.0 | 4.9 | -0.2 | 306.7 |
| 2008 | 201.6 | 0.5 | 0.0 | 0.1 | 7.0 | 7.1 | 0.0 | 98.5 | 0.0 | R 0.0 | 0.0 | 5.8 | -0.8 | R 312.7 |
| 2009 | 171.7 | 0.7 | 0.0 | 0.1 | 8.1 | 8.2 | 0.0 | 92.8 | 0.0 | 0.0 | 0.0 | 8.0 | -1.0 | 280.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Nebraska

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 888 | 136 | 4,151 | 1,202 | 2,650 | 14,998 | 415 | 2,314 | 25,731 | 0 | 959 | NA |
| 1965 | 896 | 166 | 3,689 | 1,371 | 3,407 | 15,745 | 332 | 2,331 | 26,875 | -5 | 1,116 | NA |
| 1970 | 1,283 | 222 | 7,449 | 1,783 | 5,616 | 18,525 | 793 | 2,499 | 36,665 | 0 | 1,371 | NA |
| 1971 | 1,174 | 224 | 7,613 | 1,812 | 5,468 | 19,231 | 579 | 2,570 | 37,273 | 0 | 1,359 | NA |
| 1972 | 1,488 | 225 | 9,097 | 1,721 | 6,006 | 20,414 | 720 | 2,370 | 40,329 | 0 | 1,372 | NA |
| 1973 | 1,685 | 230 | 9,307 | 1,665 | 5,593 | 20,948 | 670 | 2,536 | 40,719 | 599 | 1,371 | NA |
| 1974 | 1,561 | 223 | 8,847 | 1,797 | 5,289 | 20,412 | 1,049 | 2,441 | 39,836 | 3,996 | 1,294 | NA |
| 1975 | 1,595 | 219 | 8,507 | 1,679 | 5,740 | 20,636 | 1,092 | 2,092 | 39,745 | 5,916 | 1,213 | NA |
| 1976 | 2,626 | 199 | 10,426 | 1,692 | 6,552 | 21,580 | 1,505 | 2,045 | 43,800 | 5,824 | 1,276 | NA |
| 1977 | 2,846 | 189 | 10,916 | 1,771 | 5,922 | 21,810 | 1,088 | 2,376 | 43,882 | 7,452 | 1,221 | NA |
| 1978 | 2,967 | 163 | 12,630 | 1,989 | 5,469 | 22,075 | 1,266 | 2,833 | 46,260 | 7,725 | 1,187 | NA |
| 1979 | 4,058 | 170 | 12,862 | 1,900 | 4,682 | 20,478 | 707 | 1,625 | 42,254 | 8,658 | 1,246 | NA |
| 1980 | 4,990 | 163 | 9,149 | 1,588 | 4,499 | 19,100 | 228 | 1,512 | 36,076 | 5,783 | 1,336 | NA |
| 1981 | 5,459 | 138 | 8,200 | 1,466 | 4,023 | 18,333 | 70 | 1,495 | 33,588 | 5,988 | 1,197 | 86 |
| 1982 | 5,399 | 138 | 9,253 | 1,453 | 4,788 | 18,261 | 191 | 1,361 | 35,308 | 8,753 | 1,212 | 213 |
| 1983 | 5,928 | 129 | 11,547 | 1,482 | 4,818 | 17,905 | 105 | 1,293 | 37,150 | 6,082 | 1,346 | 426 |
| 1984 | 6,939 | 134 | 12,003 | 1,385 | 2,118 | 17,871 | 70 | 1,279 | 34,726 | 5,780 | 1,345 | 467 |
| 1985 | 6,653 | 126 | 12,411 | 1,357 | 2,590 | 17,737 | 62 | 1,073 | 35,229 | 4,134 | 1,441 | 456 |
| 1986 | 6,288 | 105 | 12,024 | 1,353 | 2,449 | 17,757 | 252 | 1,863 | 35,698 | 7,658 | 1,678 | 470 |
| 1987 | 6,744 | 109 | 12,606 | 1,373 | 3,218 | 17,885 | 265 | 2,108 | 37,455 | 8,589 | 1,567 | 589 |
| 1988 | 8,057 | 122 | 14,121 | 1,505 | 3,500 | 18,609 | 412 | 2,101 | 40,247 | 6,828 | 1,350 | 627 |
| 1989 | 7,587 | 120 | 12,894 | 1,488 | 3,622 | 18,427 | 373 | 1,918 | 38,722 | 8,077 | 1,158 | 784 |
| 1990 | 8,266 | 111 | 12,848 | 1,501 | 2,912 | 18,451 | 257 | 2,227 | 38,196 | 7,511 | 1,140 | 710 |
| 1991 | 8,859 | 116 | 12,949 | 1,192 | 3,167 | 17,801 | 199 | 1,903 | 37,211 | 8,048 | 1,045 | 837 |
| 1992 | 8,212 | 107 | 13,848 | 1,198 | 3,225 | 17,951 | 185 | 1,390 | 37,797 | 8,748 | 1,075 | 987 |
| 1993 | 9,666 | 126 | 13,847 | 1,157 | 2,984 | 18,029 | 275 | 1,293 | 37,586 | 6,805 | 1,002 | 807 |
| 1994 | 9,300 | 127 | 14,595 | 1,259 | 3,080 | 18,043 | 212 | 1,544 | 38,734 | 6,345 | 1,312 | 545 |
| 1995 | 10,396 | 136 | 14,599 | 1,001 | 3,020 | 19,302 | 121 | 1,433 | 39,475 | 7,485 | 1,426 | 647 |
| 1996 | 10,379 | 133 | 16,644 | 1,007 | 3,831 | 19,474 | 167 | 2,263 | 43,386 | 9,457 | 1,602 | 419 |
| 1997 | 11,210 | 132 | 16,848 | 1,075 | 3,130 | 19,825 | 110 | 1,978 | 42,966 | 9,269 | 1,672 | 478 |
| 1998 | 11,889 | 131 | 18,646 | 1,081 | 3,300 | 20,305 | 116 | 1,918 | 45,366 | 8,259 | 1,683 | 504 |
| 1999 | 11,625 | 121 | 17,754 | 1,564 | 3,665 | 20,487 | 77 | 2,383 | 45,930 | 10,091 | 1,719 | 589 |
| 2000 | 11,910 | 127 | 14,937 | 1,231 | 3,830 | 20,457 | 142 | 1,441 | 42,038 | 8,629 | 1,501 | 793 |
| 2001 | 13,130 | 122 | 14,207 | 1,113 | 3,615 | 20,392 | 127 | 1,591 | 41,046 | 8,726 | 1,124 | 661 |
| 2002 | 12,605 | 120 | 13,936 | 1,527 | 4,943 | 20,846 | 124 | 1,528 | 42,903 | 10,122 | 1,097 | 834 |
| 2003 | 13,115 | 119 | 14,954 | 1,205 | 4,328 | 20,673 | 142 | 2,041 | 43,344 | 7,997 | 980 | 909 |
| 2004 | 13,023 | 115 | 16,435 | 918 | 4,039 | 20,840 | 231 | 2,021 | 44,485 | 10,241 | 913 | 861 |
| 2005 | 13,283 | 119 | 16,299 | 934 | 3,768 | 20,148 | 145 | 1,936 | 43,230 | 8,802 | 871 | 437 |
| 2006 | 13,307 | 130 | 16,534 | 1,060 | 3,762 | 20,163 | 77 | R 1,752 | R 43,349 | 9,003 | 893 | 429 |
| 2007 | 12,699 | 151 | 17,242 | 968 | 3,537 | 20,336 | 70 | R 1,600 | R 43,752 | 11,042 | 347 | 773 |
| 2008 | 13,776 | R 171 | R 16,218 | 888 | 3,514 | 20,217 | 76 | R 1,431 | R 42,345 | 9,479 | 346 | 1,375 |
| 2009 | 14,575 | 163 | 14,749 | 697 | 3,740 | 19,926 | 1 | 1,245 | 40,357 | 9,435 | 434 | 1,345 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 20.0 | 140.4 | 24.2 | 6.4 | 10.6 | 78.8 | 2.6 | 13.8 | 136.5 | 296.9 | *140.4* | *78.8* |
| 1965 | 20.8 | 164.7 | 21.5 | 7.4 | 13.7 | 82.7 | 2.1 | 13.8 | 141.1 | 326.7 | *164.7* | *82.7* |
| 1970 | 29.7 | 224.1 | 43.4 | 9.8 | 21.2 | 97.3 | 5.0 | 15.4 | 192.1 | 445.9 | *224.1* | *97.3* |
| 1971 | 26.3 | 225.5 | 44.3 | 9.9 | 20.6 | 101.0 | 3.6 | 15.7 | 195.3 | 447.1 | *225.5* | *101.0* |
| 1972 | 33.5 | 226.4 | 53.0 | 9.4 | 22.6 | 107.2 | 4.5 | 14.5 | 211.2 | 471.1 | *226.4* | *107.2* |
| 1973 | 36.9 | 230.8 | 54.2 | 9.1 | 21.0 | 110.0 | 4.2 | 15.4 | 213.9 | 481.6 | *230.8* | *110.0* |
| 1974 | 32.8 | 223.3 | 51.5 | 9.9 | 19.7 | 107.2 | 6.6 | 14.9 | 209.9 | 465.9 | *223.3* | *107.2* |
| 1975 | 32.9 | 217.5 | 49.6 | 9.2 | 21.3 | 108.4 | 6.9 | 12.7 | 208.1 | 458.5 | *217.5* | *108.4* |
| 1976 | 53.7 | 197.4 | 60.7 | 9.3 | 24.3 | 113.4 | 9.5 | 12.3 | 229.5 | 480.7 | *197.4* | *113.4* |
| 1977 | 59.3 | 188.4 | 63.6 | 9.8 | 21.8 | 114.6 | 6.8 | 14.6 | 231.1 | 478.9 | *188.4* | *114.6* |
| 1978 | 59.8 | 162.7 | 73.6 | 11.0 | 20.1 | 116.0 | 8.0 | 17.7 | 246.2 | 468.7 | *162.7* | *116.0* |
| 1979 | 77.6 | 169.0 | 74.9 | 10.5 | 17.2 | 107.6 | 4.4 | 10.1 | 224.8 | 471.3 | *169.0* | *107.6* |
| 1980 | 93.9 | 159.5 | 53.3 | 8.7 | 16.5 | 100.3 | 1.4 | 9.3 | 189.6 | 443.0 | *159.5* | *100.3* |
| 1981 | 98.6 | 133.5 | 47.8 | 8.0 | 14.7 | 96.3 | 0.4 | 9.2 | 176.3 | 408.4 | *135.3* | *96.3* |
| 1982 | 96.7 | 135.6 | 53.9 | 7.9 | 17.3 | 95.9 | 1.2 | 8.5 | 184.8 | 417.1 | *135.6* | *95.9* |
| 1983 | 104.8 | 125.0 | 67.3 | 8.1 | 17.4 | 94.1 | 0.7 | 8.0 | 195.6 | 425.4 | *127.0* | *94.1* |
| 1984 | 124.3 | 129.5 | 69.9 | 7.6 | 7.6 | 93.9 | 0.4 | 7.9 | 187.4 | 441.1 | *131.9* | *93.9* |
| 1985 | 115.5 | 121.2 | 72.3 | 7.4 | 9.3 | 93.2 | 0.4 | 6.6 | 189.2 | 425.9 | *123.9* | *93.2* |
| 1986 | 109.9 | 101.9 | 70.0 | 7.4 | 8.9 | 93.3 | 1.6 | 11.5 | 192.7 | 404.5 | *104.0* | *93.3* |
| 1987 | 116.5 | 105.6 | 73.4 | 7.5 | 11.8 | 94.0 | 1.7 | 13.2 | 201.5 | 423.6 | *107.7* | *94.0* |
| 1988 | 139.3 | 118.0 | 82.3 | 8.2 | 12.8 | 97.8 | 2.6 | 13.2 | 216.8 | 474.1 | *119.9* | *97.8* |
| 1989 | 131.1 | 116.6 | 75.1 | 8.2 | 13.3 | 96.8 | 2.3 | 12.0 | 207.8 | 455.5 | *118.7* | *96.8* |
| 1990 | 142.0 | 106.9 | 74.8 | 8.3 | 10.6 | 96.9 | 1.6 | 14.0 | 206.2 | 455.1 | *109.2* | *96.9* |
| 1991 | 152.0 | 112.0 | 75.4 | 6.6 | 11.4 | 93.5 | 1.3 | 12.2 | 200.5 | 464.4 | *114.0* | *93.5* |
| 1992 | 140.9 | 103.2 | 80.7 | 6.6 | 11.7 | 94.3 | 1.2 | 8.8 | 203.3 | 447.4 | *104.6* | *94.3* |
| 1993 | 166.2 | 122.2 | 80.7 | 6.4 | 10.8 | R 91.9 | 1.7 | 8.2 | R 199.7 | R 488.1 | *123.0* | *94.7* |
| 1994 | 160.5 | 124.0 | 85.0 | 7.0 | 11.2 | R 92.5 | 1.3 | 9.9 | 206.9 | R 491.4 | *124.9* | *94.4* |
| 1995 | 179.5 | 133.7 | 85.0 | 5.7 | 10.9 | 98.4 | 0.8 | 9.1 | 209.9 | R 523.1 | *133.7* | *100.7* |
| 1996 | 178.9 | 133.5 | 97.0 | 5.7 | 13.8 | 100.1 | 1.1 | 14.6 | 232.3 | 544.7 | *133.8* | *101.6* |
| 1997 | 193.3 | 132.0 | 98.1 | 6.1 | 11.3 | R 101.7 | 0.7 | 12.7 | 230.6 | R 556.0 | *132.1* | *103.3* |
| 1998 | 204.8 | 131.1 | 108.6 | 6.1 | 11.9 | R 104.1 | 0.7 | 12.3 | 243.8 | 579.7 | *131.1* | *105.8* |
| 1999 | 198.5 | 121.4 | 103.4 | 8.9 | 13.3 | 104.7 | 0.5 | 15.4 | R 246.2 | 566.0 | *121.4* | *106.8* |
| 2000 | 206.9 | 127.3 | 87.0 | 7.0 | 13.8 | 103.8 | 0.9 | 9.2 | R 221.7 | R 555.9 | *127.6* | *106.6* |
| 2001 | 226.7 | 124.1 | 82.8 | 6.3 | 13.1 | R 104.0 | 0.8 | 9.9 | R 216.8 | R 567.5 | *124.1* | *106.2* |
| 2002 | 217.9 | 121.2 | 81.2 | 8.7 | 17.9 | R 105.7 | 0.8 | 9.5 | R 223.6 | R 562.7 | *121.2* | *108.6* |
| 2003 | 227.3 | 119.7 | 87.1 | 6.8 | 15.7 | R 104.5 | 0.9 | 12.9 | R 227.9 | 574.9 | *119.8* | *107.6* |
| 2004 | 223.6 | 116.0 | 95.7 | 5.2 | 14.6 | R 105.7 | 1.5 | 12.7 | 235.4 | R 575.1 | *116.0* | *108.7* |
| 2005 | 228.7 | 120.1 | 94.9 | 5.3 | 13.6 | 103.6 | 0.9 | 12.2 | R 230.6 | R 579.4 | *120.1* | *105.1* |
| 2006 | 227.4 | 131.4 | 96.3 | 6.0 | 13.6 | 103.7 | 0.5 | R 11.0 | R 231.1 | R 589.9 | *131.4* | *105.2* |
| 2007 | 216.9 | 153.5 | 100.4 | 5.5 | 12.7 | 103.4 | 0.4 | R 10.0 | R 232.5 | R 602.8 | *153.5* | *106.1* |
| 2008 | 234.7 | R 172.9 | R 94.5 | 5.0 | 12.7 | R 100.7 | 0.5 | 8.9 | R 222.3 | R 629.8 | R *172.9* | *105.5* |
| 2009 | 249.6 | 164.9 | 85.9 | 4.0 | 13.3 | 99.3 | (s) | 7.8 | 210.3 | 624.8 | *164.9* | *104.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 10.3 | 3.1 | NA | NA | 3.1 | 0.0 | NA | NA | 13.4 | -2.0 | 0.0 | 308.3 |
| 1965 | -0.1 | 11.7 | 1.9 | NA | NA | 1.9 | 0.0 | NA | NA | 13.6 | R 9.0 | 0.0 | 349.2 |
| 1970 | 0.0 | 14.4 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 16.0 | 25.5 | 0.0 | 487.3 |
| 1971 | 0.0 | 14.2 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 15.8 | 33.1 | 0.0 | 496.0 |
| 1972 | 0.0 | 14.2 | 2.6 | NA | NA | 2.6 | 0.0 | NA | NA | 16.8 | R 21.4 | 0.0 | R 509.3 |
| 1973 | 6.5 | 14.2 | 2.7 | NA | NA | 2.7 | 0.0 | NA | NA | 16.9 | R 16.9 | 0.0 | R 521.9 |
| 1974 | 44.6 | 13.5 | 2.7 | NA | NA | 2.7 | 0.0 | NA | NA | 16.2 | R -8.3 | 0.0 | R 518.4 |
| 1975 | 65.2 | 12.6 | 2.8 | NA | NA | 2.8 | 0.0 | NA | NA | 15.4 | R -13.6 | 0.0 | R 525.5 |
| 1976 | 64.3 | 13.2 | 3.1 | NA | NA | 3.1 | 0.0 | NA | NA | 16.4 | R -6.6 | 0.0 | R 554.8 |
| 1977 | 80.2 | 12.7 | 3.4 | NA | NA | 3.4 | 0.0 | NA | NA | 16.1 | R -18.5 | 0.0 | R 556.8 |
| 1978 | 84.5 | 12.3 | 3.8 | NA | NA | 3.8 | 0.0 | NA | NA | 16.1 | R -12.9 | 0.0 | R 556.4 |
| 1979 | 94.2 | 12.9 | 3.9 | NA | NA | 3.9 | 0.0 | NA | NA | 16.8 | R -37.1 | 0.0 | R 545.2 |
| 1980 | 63.1 | 13.9 | 5.9 | NA | NA | 5.9 | 0.0 | NA | NA | 19.8 | R -18.7 | 0.0 | R 507.2 |
| 1981 | 66.0 | 12.5 | 5.3 | 0.3 | 0.0 | 5.6 | 0.0 | NA | NA | 18.1 | R -14.9 | 0.0 | R 477.6 |
| 1982 | 96.9 | 12.7 | 6.3 | 0.7 | 0.0 | 7.1 | 0.0 | NA | NA | R 19.7 | R -41.6 | 0.0 | R 492.1 |
| 1983 | 66.3 | 14.2 | 5.9 | 1.5 | 0.0 | 7.4 | 0.0 | NA | 0.0 | R 21.5 | R -10.4 | 0.0 | R 502.8 |
| 1984 | 62.7 | 14.0 | 7.2 | 1.6 | 0.0 | R 8.8 | 0.0 | 0.0 | 0.0 | 22.9 | R -20.2 | 0.0 | R 506.4 |
| 1985 | 43.9 | 15.1 | 7.4 | 1.6 | 0.6 | 9.6 | 0.0 | 0.0 | 0.0 | R 24.6 | R 5.4 | 0.0 | R 499.9 |
| 1986 | 81.0 | 17.5 | 6.8 | 1.6 | 0.7 | R 9.1 | 0.0 | 0.0 | 0.0 | R 26.6 | R -28.7 | 0.0 | R 483.5 |
| 1987 | 89.7 | 16.3 | 5.7 | 2.0 | 0.8 | R 8.5 | 0.0 | 0.0 | 0.0 | R 24.8 | R -41.4 | 0.0 | R 496.7 |
| 1988 | 72.4 | 13.9 | 6.1 | 2.2 | 0.8 | R 9.0 | 0.0 | 0.0 | 0.0 | 23.0 | R -33.3 | 0.0 | R 536.1 |
| 1989 | 85.5 | 12.1 | 6.4 | 2.7 | 0.8 | R 9.9 | 0.1 | (s) | 0.0 | R 22.1 | R -28.0 | 0.0 | R 535.0 |
| 1990 | 79.5 | 11.9 | 4.5 | 2.5 | 0.8 | 7.8 | 0.1 | (s) | 0.0 | R 19.7 | R -31.7 | 0.0 | R 522.6 |
| 1991 | 84.4 | 10.9 | 4.7 | 2.9 | 0.9 | R 8.4 | 0.1 | (s) | 0.0 | R 19.4 | R -36.6 | 0.0 | R 531.7 |
| 1992 | 91.6 | 11.1 | 5.0 | 3.4 | 1.5 | R 9.9 | 0.1 | (s) | 0.0 | R 21.1 | R -41.8 | 0.0 | R 518.4 |
| 1993 | 71.5 | 10.3 | 4.3 | 2.8 | 3.3 | R 10.4 | 0.1 | (s) | 0.0 | R 20.9 | R -34.5 | 0.0 | R 545.9 |
| 1994 | 66.3 | 13.5 | 4.1 | 1.9 | 5.0 | R 11.0 | 0.2 | (s) | 0.0 | R 24.7 | R -16.2 | 0.0 | R 566.2 |
| 1995 | 78.6 | 14.7 | 4.2 | 2.2 | 12.1 | R 18.5 | 0.2 | (s) | 0.0 | R 33.4 | R -37.5 | 0.0 | R 597.6 |
| 1996 | 99.3 | 16.6 | 7.8 | 1.5 | 12.4 | R 21.6 | 0.2 | (s) | 0.0 | R 38.4 | R -53.0 | 0.0 | R 629.5 |
| 1997 | 97.3 | 17.1 | 6.3 | 1.7 | 16.6 | R 24.6 | 0.2 | (s) | 0.0 | R 41.9 | R -52.8 | (s) | R 642.4 |
| 1998 | 86.6 | 17.2 | 5.8 | 1.7 | 17.6 | R 25.2 | 0.3 | (s) | 0.0 | R 42.7 | R -49.9 | -0.2 | R 659.0 |
| 1999 | 105.5 | 17.6 | 6.0 | 2.0 | 18.7 | R 26.8 | 0.3 | (s) | 0.0 | R 44.7 | R -64.0 | -0.1 | R 652.0 |
| 2000 | 90.0 | 15.3 | 5.7 | 2.8 | 19.6 | R 28.1 | 0.3 | (s) | 0.0 | R 43.8 | R -39.3 | 0.0 | R 650.4 |
| 2001 | 91.1 | 11.6 | 7.6 | 2.3 | 21.4 | R 31.4 | 0.4 | (s) | (s) | R 43.4 | R -52.8 | 0.0 | R 649.2 |
| 2002 | 105.7 | 11.2 | 8.2 | 2.9 | 21.4 | R 32.6 | 0.4 | (s) | 0.1 | R 44.2 | R -50.4 | 0.0 | R 662.2 |
| 2003 | 83.3 | 10.0 | 8.6 | 3.2 | 23.0 | R 34.8 | 0.5 | (s) | 0.4 | R 45.7 | R -37.0 | (s) | R 667.0 |
| 2004 | 106.8 | 9.2 | 8.6 | 3.0 | 30.6 | R 42.2 | 0.6 | (s) | 0.4 | R 52.3 | R -53.8 | (s) | R 680.3 |
| 2005 | 91.9 | 8.7 | R 8.0 | 1.5 | 32.0 | R 41.5 | 0.7 | (s) | 1.0 | R 51.9 | R -39.0 | (s) | R 684.1 |
| 2006 | 94.0 | 8.9 | R 6.4 | 1.5 | 35.2 | R 43.1 | 0.7 | (s) | 2.6 | R 55.3 | R -40.0 | (s) | R 699.2 |
| 2007 | 115.8 | 3.4 | R 7.2 | 2.7 | 48.2 | R 58.0 | 0.8 | (s) | 2.1 | R 64.4 | R -39.1 | (s) | R 744.0 |
| 2008 | 99.1 | 3.4 | R 7.3 | 4.8 | 67.3 | R 79.3 | 0.9 | (s) | 2.1 | R 85.7 | R -31.0 | (s) | R 783.6 |
| 2009 | 98.7 | 4.2 | 7.5 | 4.7 | 66.3 | 78.5 | 1.0 | (s) | 3.7 | 87.5 | -51.9 | (s) | 759.1 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 633 | 105 | 4,087 | 1,202 | 2,650 | 14,998 | 320 | 2,314 | 25,572 | (s) | – – | – – | – – | – – | 4,065 | – – | – – | – – |
| 1965 | 410 | 130 | 3,618 | 1,371 | 3,407 | 15,745 | 225 | 2,331 | 26,697 | (s) | – – | – – | – – | – – | 6,022 | – – | – – | – – |
| 1970 | 277 | 175 | 7,323 | 1,783 | 5,616 | 18,525 | 605 | 2,499 | 36,351 | (s) | – – | – – | – – | – – | 9,757 | – – | – – | – – |
| 1975 | 317 | 181 | 8,199 | 1,679 | 5,740 | 20,636 | 434 | 2,092 | 38,778 | 0 | – – | – – | – – | – – | 11,553 | – – | – – | – – |
| 1980 | 288 | 151 | 9,063 | 1,588 | 4,499 | 19,100 | 52 | 1,512 | 35,814 | 0 | – – | – – | – – | – – | 13,744 | – – | – – | – – |
| 1985 | 273 | 125 | 12,349 | 1,357 | 2,590 | 17,737 | 62 | 1,073 | 35,168 | 0 | – – | – – | – – | – – | 15,702 | – – | – – | – – |
| 1990 | 239 | 107 | 12,818 | 1,501 | 2,912 | 18,451 | 256 | 2,227 | 38,164 | 0 | – – | – – | – – | – – | 17,868 | – – | – – | – – |
| 1995 | 348 | 133 | 14,537 | 1,001 | 3,020 | 19,302 | 121 | 1,433 | 39,413 | 0 | – – | – – | – – | – – | 20,892 | – – | – – | – – |
| 2000 | 407 | 121 | 14,836 | 1,231 | 3,830 | 20,457 | 123 | 1,441 | 41,919 | 0 | – – | – – | – – | – – | 24,349 | – – | – – | – – |
| 2001 | 524 | 118 | 14,146 | 1,113 | 3,615 | 20,392 | 127 | 1,591 | 40,984 | 0 | – – | – – | – – | – – | 24,723 | – – | – – | – – |
| 2002 | 395 | 115 | 13,893 | 1,527 | 4,943 | 20,846 | 124 | 1,528 | 42,860 | 0 | – – | – – | – – | – – | 25,661 | – – | – – | – – |
| 2003 | 390 | 114 | 14,853 | 1,205 | 4,328 | 20,673 | 141 | 2,041 | 43,242 | 0 | – – | – – | – – | – – | 25,857 | – – | – – | – – |
| 2004 | 374 | 112 | 16,390 | 918 | 4,039 | 20,840 | 229 | 2,021 | 44,438 | 0 | – – | – – | – – | – – | 25,876 | – – | – – | – – |
| 2005 | 397 | 111 | 16,255 | 934 | 3,768 | 20,148 | 126 | 1,936 | 43,167 | 0 | – – | – – | – – | – – | 26,976 | – – | – – | – – |
| 2006 | 425 | 122 | 16,494 | 1,060 | 3,762 | 20,163 | 76 | 1,752 | 43,307 | 0 | – – | – – | – – | – – | 27,276 | – – | – – | – – |
| 2007 | 433 | 140 | 17,188 | 968 | 3,537 | 20,336 | 47 | 1,600 | 43,675 | 0 | – – | – – | – – | – – | 28,248 | – – | – – | – – |
| 2008 | 415 | 164 | 16,146 | 888 | 3,514 | 20,217 | 75 | 1,431 | 42,272 | 0 | – – | – – | – – | – – | 28,811 | – – | – – | – – |
| 2009 | 392 | 160 | 14,705 | 697 | 3,740 | 19,926 | 1 | 1,245 | 40,313 | 0 | – – | – – | – – | – – | 28,452 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 13.7 | 108.4 | 23.8 | 6.4 | 10.6 | 78.8 | 2.0 | 13.8 | 135.5 | (s) | 2.6 | NA | NA | NA | 13.9 | 274.0 | 34.3 | 308.3 |
| 1965 | 8.9 | 128.8 | 21.1 | 7.4 | 13.7 | 82.7 | 1.4 | 13.8 | 140.1 | (s) | 1.9 | NA | NA | NA | 20.5 | 300.2 | 49.1 | 349.2 |
| 1970 | 5.7 | 176.1 | 42.7 | 9.8 | 21.2 | 97.3 | 3.8 | 15.4 | 190.1 | (s) | 1.6 | NA | NA | NA | 33.3 | 406.8 | 80.5 | 487.3 |
| 1975 | 6.1 | 180.5 | 47.8 | 9.2 | 21.3 | 108.4 | 2.7 | 12.7 | 202.2 | 0.0 | 2.8 | NA | NA | NA | 39.4 | 430.9 | 94.6 | 525.5 |
| 1980 | 5.5 | 148.2 | 52.8 | 8.7 | 16.5 | 100.3 | 0.3 | 9.3 | 188.0 | 0.0 | 5.9 | NA | NA | NA | 46.9 | 394.5 | 112.7 | 507.2 |
| 1985 | 5.1 | 122.6 | 71.9 | 7.4 | 9.3 | 93.2 | 0.4 | 6.6 | 188.9 | 0.0 | 7.4 | 0.6 | NA | NA | 53.6 | 377.2 | 122.7 | 499.9 |
| 1990 | 4.6 | 105.6 | 74.7 | 8.3 | 10.6 | 96.9 | 1.6 | 14.0 | 206.0 | 0.0 | 4.5 | 0.8 | 0.1 | (s) | 61.0 | 382.7 | 139.9 | 522.6 |
| 1995 | 6.7 | 130.6 | 84.7 | 5.7 | 10.9 | 100.7 | 0.8 | 9.1 | 211.8 | 0.0 | 4.0 | 12.1 | 0.2 | (s) | 71.3 | 436.7 | 160.9 | 597.6 |
| 2000 | 8.4 | 122.0 | 86.4 | 7.0 | 13.8 | 106.6 | 0.8 | 9.2 | 223.8 | 0.0 | 5.6 | 19.6 | 0.3 | (s) | 83.1 | 462.5 | 187.9 | 650.4 |
| 2001 | 10.3 | 119.7 | 82.4 | 6.3 | 13.1 | 106.2 | 0.8 | 9.9 | 218.7 | 0.0 | 7.5 | 21.4 | 0.4 | (s) | 84.4 | 462.3 | 186.9 | 649.2 |
| 2002 | 8.1 | 116.3 | 80.9 | 8.7 | 17.9 | 108.6 | 0.8 | 9.5 | 226.2 | 0.0 | 8.1 | 21.4 | 0.4 | (s) | 87.6 | 468.2 | 194.0 | 662.2 |
| 2003 | 7.9 | 115.2 | 86.5 | 6.8 | 15.7 | 107.6 | 0.9 | 12.9 | 230.5 | 0.0 | 8.2 | 23.0 | 0.5 | (s) | 88.2 | 473.5 | 193.5 | 667.0 |
| 2004 | 7.5 | 112.7 | 95.5 | 5.2 | 14.6 | 108.7 | 1.4 | 12.7 | 238.2 | 0.0 | 8.2 | 30.6 | 0.6 | (s) | 88.3 | 486.2 | 194.2 | 680.3 |
| 2005 | 7.9 | 112.1 | 94.7 | 5.3 | 13.6 | 105.1 | 0.8 | 12.2 | 231.7 | 0.0 | 7.6 | 32.0 | 0.7 | (s) | 92.0 | 484.0 | 200.1 | 684.1 |
| 2006 | 8.3 | 123.6 | 96.1 | 6.0 | 13.6 | 105.2 | 0.5 | 11.0 | 232.3 | 0.0 | 5.9 | 35.2 | 0.7 | (s) | 93.1 | 499.1 | 200.1 | 699.2 |
| 2007 | 8.2 | 142.4 | 100.1 | 5.5 | 12.7 | 106.1 | 0.3 | 10.0 | 234.7 | 0.0 | 6.6 | 48.2 | 0.8 | (s) | 96.4 | 537.3 | 206.7 | 744.0 |
| 2008 | 7.8 | 165.6 | 94.1 | 5.0 | 12.7 | 105.5 | 0.5 | 8.9 | 226.6 | 0.0 | 6.7 | 67.3 | 0.9 | (s) | 98.3 | 573.2 | 210.4 | 783.6 |
| 2009 | 7.3 | 161.6 | 85.7 | 4.0 | 13.3 | 104.0 | (s) | 7.8 | 214.7 | 0.0 | 6.9 | 66.3 | 1.0 | (s) | 97.1 | 554.8 | 204.3 | 759.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 129 | 39 | 140 | 337 | 1,955 | 2,431 | 108 | – – | – – | 1,907 | – – | – – | – – |
| 1965 | 35 | 48 | 111 | 453 | 2,779 | 3,343 | 69 | – – | – – | 2,816 | – – | – – | – – |
| 1970 | 20 | 58 | 196 | 379 | 4,246 | 4,821 | 52 | – – | – – | 4,107 | – – | – – | – – |
| 1975 | 3 | 54 | 173 | 372 | 3,431 | 3,976 | 60 | – – | – – | 4,693 | – – | – – | – – |
| 1980 | 4 | 49 | 360 | 10 | 1,535 | 1,904 | 287 | – – | – – | 5,521 | – – | – – | – – |
| 1985 | 3 | 47 | 353 | 40 | 1,090 | 1,483 | 361 | – – | – – | 6,195 | – – | – – | – – |
| 1990 | 1 | 41 | 196 | 4 | 1,068 | 1,268 | 201 | – – | – – | 6,800 | – – | – – | – – |
| 1995 | 1 | 45 | 88 | 4 | 1,281 | 1,372 | 176 | – – | – – | 7,597 | – – | – – | – – |
| 1996 | (s) | 49 | 113 | 4 | 1,719 | 1,836 | 183 | – – | – – | 7,741 | – – | – – | – – |
| 1997 | 13 | 47 | 90 | 7 | 1,381 | 1,478 | 142 | – – | – – | 7,989 | – – | – – | – – |
| 1998 | 0 | 41 | 65 | 10 | 1,828 | 1,902 | 126 | – – | – – | 8,160 | – – | – – | – – |
| 1999 | 0 | 41 | 77 | 6 | 1,870 | 1,953 | 133 | – – | – – | 7,929 | – – | – – | – – |
| 2000 | 0 | 43 | 110 | 8 | 1,904 | 2,022 | 143 | – – | – – | 8,346 | – – | – – | – – |
| 2001 | 1 | 47 | 81 | 10 | 1,778 | 1,870 | 139 | – – | – – | 8,638 | – – | – – | – – |
| 2002 | 1 | 44 | 68 | 3 | 2,156 | 2,227 | 141 | – – | – – | 8,956 | – – | – – | – – |
| 2003 | 1 | 42 | 87 | 4 | 1,947 | 2,038 | 149 | – – | – – | 8,852 | – – | – – | – – |
| 2004 | (s) | 39 | 96 | 5 | 1,710 | 1,812 | 152 | – – | – – | 8,757 | – – | – – | – – |
| 2005 | (s) | 38 | 88 | 7 | 1,848 | 1,944 | R 114 | – – | – – | 9,309 | – – | – – | – – |
| 2006 | (s) | 36 | 102 | 2 | 1,572 | 1,676 | R 104 | – – | – – | 9,294 | – – | – – | – – |
| 2007 | 1 | 39 | 53 | 6 | 1,830 | 1,889 | R 114 | – – | – – | 9,748 | – – | – – | – – |
| 2008 | 0 | 42 | 50 | 3 | 2,441 | R 2,494 | R 120 | – – | – – | 9,749 | – – | – – | – – |
| 2009 | 0 | 40 | 36 | 3 | 2,160 | 2,199 | 114 | – – | – – | 9,627 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 2.7 | 40.9 | 0.8 | 1.9 | 7.8 | 10.6 | 2.2 | NA | NA | 6.5 | 62.8 | 16.1 | 78.9 |
| 1965 | 0.7 | 47.2 | 0.6 | 2.6 | 11.1 | 14.4 | 1.4 | NA | NA | 9.6 | 73.3 | 22.9 | 96.2 |
| 1970 | 0.4 | 58.8 | 1.1 | 2.1 | 16.0 | 19.3 | 1.0 | NA | NA | 14.0 | 93.6 | 33.9 | 127.5 |
| 1975 | (s) | 53.6 | 1.0 | 2.1 | 12.7 | 15.9 | 1.2 | NA | NA | 16.0 | 86.7 | R 38.4 | R 125.2 |
| 1980 | 0.1 | 47.9 | 2.1 | 0.1 | 5.6 | 7.8 | 5.7 | NA | NA | 18.8 | 80.4 | R 45.3 | R 125.6 |
| 1985 | 0.1 | 45.8 | 2.1 | 0.2 | 3.9 | 6.2 | 7.2 | NA | NA | 21.1 | 79.5 | R 48.4 | R 127.9 |
| 1990 | (s) | 40.8 | 1.1 | (s) | 3.9 | 5.0 | 4.0 | (s) | (s) | 23.2 | 72.3 | R 53.2 | R 125.5 |
| 1995 | (s) | 44.1 | 0.5 | (s) | 4.6 | 5.2 | 3.5 | 0.1 | (s) | 25.9 | 78.8 | R 58.5 | R 137.3 |
| 1996 | (s) | 49.3 | 0.7 | (s) | 6.2 | 6.9 | 3.7 | 0.1 | (s) | 26.4 | 86.2 | R 59.7 | R 145.9 |
| 1997 | 0.2 | 47.0 | 0.5 | (s) | 5.0 | 5.6 | 2.8 | 0.1 | (s) | 27.3 | 82.9 | R 61.4 | R 144.3 |
| 1998 | 0.0 | 40.9 | 0.4 | 0.1 | 6.6 | 7.0 | 2.5 | 0.1 | (s) | 27.8 | 78.4 | R 62.7 | R 141.1 |
| 1999 | 0.0 | 40.5 | 0.4 | (s) | 6.8 | 7.2 | 2.7 | 0.1 | (s) | 27.1 | 77.6 | R 61.5 | R 139.1 |
| 2000 | 0.0 | 42.7 | 0.6 | (s) | 6.9 | 7.6 | 2.9 | 0.1 | (s) | 28.5 | 81.6 | R 64.4 | R 146.0 |
| 2001 | (s) | 47.4 | 0.5 | 0.1 | 6.4 | 7.0 | 2.8 | 0.1 | (s) | 29.5 | 86.8 | R 65.3 | R 152.1 |
| 2002 | (s) | 44.2 | 0.4 | (s) | 7.8 | 8.2 | 2.8 | 0.1 | (s) | 30.6 | 85.9 | R 67.7 | R 153.6 |
| 2003 | (s) | 42.5 | 0.5 | (s) | 7.1 | 7.6 | 3.0 | 0.1 | (s) | 30.2 | 83.4 | R 66.3 | R 149.7 |
| 2004 | (s) | 39.0 | 0.6 | (s) | 6.2 | 6.8 | 3.0 | 0.1 | (s) | 29.9 | 78.8 | R 65.7 | R 144.5 |
| 2005 | (s) | 38.3 | 0.5 | (s) | 6.7 | 7.2 | R 2.3 | 0.1 | (s) | 31.8 | R 79.8 | R 69.1 | R 148.8 |
| 2006 | (s) | 36.3 | 0.6 | (s) | 5.7 | 6.3 | R 2.1 | 0.1 | (s) | 31.7 | R 76.6 | R 68.2 | R 144.7 |
| 2007 | (s) | 39.3 | 0.3 | (s) | 6.6 | 6.9 | R 2.3 | 0.2 | (s) | 33.3 | R 82.0 | R 71.3 | R 153.3 |
| 2008 | 0.0 | 42.8 | 0.3 | (s) | 8.8 | 9.1 | R 2.4 | 0.2 | (s) | 33.3 | R 87.8 | R 71.2 | R 159.0 |
| 2009 | 0.0 | 40.6 | 0.2 | (s) | 7.7 | 7.9 | 2.3 | 0.3 | (s) | 32.8 | 84.0 | 69.1 | 153.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 89 | 22 | 140 | 65 | 152 | 84 | 43 | 484 | NA | – – | – – | 1,269 | – – | – – | – – |
| 1965 | 26 | 26 | 112 | 87 | 216 | 95 | 84 | 593 | NA | – – | – – | 2,025 | – – | – – | – – |
| 1970 | 16 | 47 | 197 | 73 | 329 | 110 | 241 | 950 | NA | – – | – – | 3,505 | – – | – – | – – |
| 1975 | 6 | 43 | 174 | 71 | 266 | 120 | 159 | 790 | NA | – – | – – | 3,660 | – – | – – | – – |
| 1980 | 15 | 43 | 181 | 21 | 119 | 149 | 23 | 493 | NA | – – | – – | 4,068 | – – | – – | – – |
| 1985 | 9 | 39 | 831 | 12 | 85 | 158 | 0 | 1,085 | NA | – – | – – | 5,714 | – – | – – | – – |
| 1990 | 3 | 36 | 287 | 23 | 83 | 155 | 20 | 568 | 0 | – – | – – | 6,451 | – – | – – | – – |
| 1995 | 8 | 40 | 162 | 4 | 99 | 21 | 1 | 287 | 0 | – – | – – | 7,494 | – – | – – | – – |
| 1996 | 1 | 41 | 230 | 4 | 133 | 21 | 0 | 389 | 0 | – – | – – | 7,563 | – – | – – | – – |
| 1997 | 105 | 34 | 165 | 3 | 107 | 21 | 9 | 305 | 0 | – – | – – | 8,014 | – – | – – | – – |
| 1998 | 0 | 29 | 222 | 3 | 142 | 21 | 7 | 394 | 0 | – – | – – | 8,069 | – – | – – | – – |
| 1999 | 0 | 28 | 219 | 1 | 145 | 21 | 3 | 389 | 0 | – – | – – | 7,997 | – – | – – | – – |
| 2000 | 0 | 29 | 198 | 1 | 148 | 279 | 8 | 634 | 0 | – – | – – | 8,727 | – – | – – | – – |
| 2001 | 5 | 28 | 243 | 3 | 138 | 209 | 21 | 613 | 0 | – – | – – | 8,757 | – – | – – | – – |
| 2002 | 6 | 28 | 92 | 2 | 167 | 126 | 0 | 388 | 0 | – – | – – | 9,142 | – – | – – | – – |
| 2003 | 5 | 28 | 205 | 3 | 263 | 96 | 14 | 582 | 0 | – – | – – | 8,583 | – – | – – | – – |
| 2004 | 3 | 30 | 182 | 7 | 143 | 203 | 49 | 583 | 0 | – – | – – | 8,501 | – – | – – | – – |
| 2005 | 3 | 27 | 206 | 4 | 152 | 26 | 23 | 411 | 0 | – – | – – | 8,848 | – – | – – | – – |
| 2006 | 5 | 28 | 189 | 3 | 67 | 110 | 41 | 410 | 0 | – – | – – | 9,006 | – – | – – | – – |
| 2007 | 5 | 30 | 189 | 1 | 131 | 115 | 0 | 437 | 0 | – – | – – | 9,396 | – – | – – | – – |
| 2008 | 0 | 35 | R 293 | 1 | 131 | 106 | 39 | R 570 | 0 | – – | – – | 9,438 | – – | – – | – – |
| 2009 | 0 | 32 | 237 | 1 | 111 | 92 | (s) | 442 | 0 | – – | – – | 9,314 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 1.9 | 22.7 | 0.8 | 0.4 | 0.6 | 0.4 | 0.3 | 2.5 | NA | (s) | NA | 4.3 | 31.5 | 10.7 | 42.2 |
| 1965 | 0.5 | 25.3 | 0.7 | 0.5 | 0.9 | 0.5 | 0.5 | 3.0 | NA | (s) | NA | 6.9 | 35.8 | 16.5 | 52.3 |
| 1970 | 0.3 | 47.2 | 1.1 | 0.4 | 1.2 | 0.6 | 1.5 | 4.9 | NA | (s) | NA | 12.0 | 64.4 | 28.9 | 93.3 |
| 1975 | 0.1 | 43.0 | 1.0 | 0.4 | 1.0 | 0.6 | 1.0 | 4.0 | NA | (s) | NA | 12.5 | 59.6 | 30.0 | R 89.6 |
| 1980 | 0.3 | 42.5 | 1.1 | 0.1 | 0.4 | 0.8 | 0.1 | 2.5 | NA | 0.1 | NA | 13.9 | 59.3 | R 33.3 | R 92.7 |
| 1985 | 0.2 | 38.7 | 4.8 | 0.1 | 0.3 | 0.8 | 0.0 | 6.0 | NA | 0.2 | NA | 19.5 | 63.8 | R 44.7 | R 108.4 |
| 1990 | 0.1 | 35.9 | 1.7 | 0.1 | 0.3 | 0.8 | 0.1 | 3.0 | 0.0 | 0.4 | (s) | 22.0 | 60.7 | R 50.5 | R 111.2 |
| 1995 | 0.2 | 39.2 | 0.9 | (s) | 0.4 | 0.1 | (s) | 1.4 | 0.0 | 0.5 | 0.1 | 25.6 | 67.0 | R 57.7 | R 124.7 |
| 1996 | (s) | 41.1 | 1.3 | (s) | 0.5 | 0.1 | 0.0 | 2.0 | 0.0 | 0.5 | 0.2 | 25.8 | 69.5 | R 58.3 | R 127.8 |
| 1997 | 1.8 | 33.8 | 1.0 | (s) | 0.4 | 0.1 | 0.1 | 1.5 | 0.0 | 0.6 | 0.2 | 27.3 | 65.2 | R 61.6 | R 126.8 |
| 1998 | 0.0 | 29.0 | 1.3 | (s) | 0.5 | 0.1 | (s) | 2.0 | 0.0 | 0.5 | 0.2 | 27.5 | 59.3 | R 62.0 | R 121.3 |
| 1999 | 0.0 | 27.5 | 1.3 | (s) | 0.5 | 0.1 | (s) | 1.9 | 0.0 | 0.6 | 0.2 | 27.3 | 57.6 | R 62.0 | R 119.6 |
| 2000 | 0.0 | 29.0 | 1.2 | (s) | 0.5 | 1.5 | 0.1 | 3.2 | 0.0 | 0.6 | 0.2 | 29.8 | 62.8 | R 67.3 | R 130.2 |
| 2001 | 0.1 | 28.3 | 1.4 | (s) | 0.5 | 1.1 | 0.1 | 3.1 | 0.0 | 0.6 | 0.3 | 29.9 | 62.3 | R 66.2 | R 128.5 |
| 2002 | 0.1 | 28.4 | 0.5 | (s) | 0.6 | 0.7 | 0.0 | 1.8 | 0.0 | 0.6 | 0.3 | 31.2 | 62.4 | R 69.1 | R 131.5 |
| 2003 | 0.1 | 28.6 | 1.2 | (s) | 1.0 | 0.5 | 0.1 | 2.8 | 0.0 | 0.7 | 0.4 | 29.3 | 61.8 | R 64.2 | R 126.0 |
| 2004 | 0.1 | 30.1 | 1.1 | (s) | 0.5 | 1.1 | 0.3 | 3.0 | 0.0 | 0.7 | 0.5 | 29.0 | 63.3 | R 63.8 | R 127.1 |
| 2005 | 0.1 | 27.7 | 1.2 | (s) | 0.6 | 0.1 | 0.1 | 2.1 | 0.0 | R 0.5 | 0.5 | 30.2 | R 61.0 | R 65.6 | R 126.7 |
| 2006 | 0.1 | 28.4 | 1.1 | (s) | 0.2 | 0.6 | 0.3 | 2.2 | 0.0 | R 0.5 | 0.6 | 30.7 | R 62.5 | R 66.1 | R 128.6 |
| 2007 | 0.1 | 30.6 | 1.1 | (s) | 0.5 | 0.6 | 0.0 | 2.2 | 0.0 | R 0.5 | 0.6 | 32.1 | R 66.1 | R 68.8 | R 134.8 |
| 2008 | 0.0 | 35.2 | 1.7 | (s) | 0.5 | 0.6 | 0.2 | 3.0 | 0.0 | R 0.5 | 0.7 | 32.2 | R 71.6 | R 68.9 | R 140.5 |
| 2009 | 0.0 | 32.2 | 1.4 | (s) | 0.4 | 0.5 | (s) | 2.3 | 0.0 | 0.5 | 0.8 | 31.8 | 67.5 | 66.9 | 134.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 408 | 37 | 2,405 | 441 | 2,146 | 18 | 1,214 | 6,224 | (s) | – – | – – | – – | 889 | – – | – – | – – |
| 1965 | 349 | 48 | 1,956 | 314 | 1,790 | 32 | 1,086 | 5,177 | (s) | – – | – – | – – | 1,182 | – – | – – | – – |
| 1970 | 240 | 56 | 3,271 | 823 | 1,319 | 139 | 1,530 | 7,082 | (s) | – – | – – | – – | 2,145 | – – | – – | – – |
| 1975 | 308 | 74 | 3,234 | 1,811 | 1,644 | 137 | 1,208 | 8,035 | 0 | – – | – – | – – | 3,200 | – – | – – | – – |
| 1980 | 269 | 52 | 3,411 | 2,675 | 1,471 | 29 | 920 | 8,506 | 0 | – – | – – | – – | 4,155 | – – | – – | – – |
| 1985 | 261 | 33 | 4,457 | 1,359 | 1,392 | 62 | 608 | 7,877 | 0 | – – | – – | – – | 3,794 | – – | – – | – – |
| 1990 | 235 | 26 | 4,810 | 1,700 | 950 | 236 | 1,761 | 9,457 | 0 | – – | – – | – – | 4,618 | – – | – – | – – |
| 1995 | 339 | 45 | 4,748 | 1,617 | 759 | 120 | 1,009 | 8,253 | 0 | – – | – – | – – | 5,802 | – – | – – | – – |
| 1996 | 286 | 36 | 4,604 | 1,957 | 773 | 167 | 1,850 | 9,351 | 0 | – – | – – | – – | 6,193 | – – | – – | – – |
| 1997 | 296 | 44 | 4,696 | 1,571 | 810 | 101 | 1,530 | 8,708 | 0 | – – | – – | – – | 6,580 | – – | – – | – – |
| 1998 | 384 | 53 | 5,025 | 1,308 | 1,047 | 98 | 1,478 | 8,956 | 0 | – – | – – | – – | 6,916 | – – | – – | – – |
| 1999 | 405 | 46 | 4,198 | 1,636 | 686 | 69 | 1,936 | 8,524 | 0 | – – | – – | – – | 6,883 | – – | – – | – – |
| 2000 | 407 | 47 | 4,545 | 1,753 | 634 | 115 | 1,005 | 8,052 | 0 | – – | – – | – – | 7,276 | – – | – – | – – |
| 2001 | 518 | 40 | 5,170 | 1,668 | 953 | 106 | 1,159 | 9,056 | 0 | – – | – – | – – | 7,328 | – – | – – | – – |
| 2002 | 388 | 41 | 5,014 | 2,579 | 1,031 | 124 | 1,101 | 9,849 | 0 | – – | – – | – – | 7,563 | – – | – – | – – |
| 2003 | 385 | 38 | 5,146 | 2,077 | 1,086 | 127 | 1,648 | 10,084 | 0 | – – | – – | – – | 8,421 | – – | – – | – – |
| 2004 | 371 | 39 | 5,523 | 2,133 | 1,304 | 180 | 1,646 | 10,786 | 0 | – – | – – | – – | 8,618 | – – | – – | – – |
| 2005 | 393 | 41 | 5,222 | 1,745 | 1,250 | 103 | 1,536 | 9,856 | 0 | – – | – – | – – | 8,819 | – – | – – | – – |
| 2006 | 420 | 54 | 5,168 | 2,089 | 1,279 | 35 | R 1,368 | R 9,938 | 0 | – – | – – | – – | 8,977 | – – | – – | – – |
| 2007 | 427 | 66 | 6,113 | 1,537 | 719 | 47 | R 1,205 | R 9,621 | 0 | – – | – – | – – | 9,104 | – – | – – | – – |
| 2008 | 415 | R 77 | R 5,422 | R 913 | 460 | 36 | R 1,075 | R 7,907 | 0 | – – | – – | – – | 9,624 | – – | – – | – – |
| 2009 | 392 | 81 | 4,609 | 1,431 | 487 | (s) | 922 | 7,448 | 0 | – – | – – | – – | 9,511 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 9.0 | 38.3 | 14.0 | 1.8 | 11.3 | 0.1 | 7.7 | 34.9 | (s) | 0.4 | NA | NA | 3.0 | 85.5 | 7.5 | 93.0 |
| 1965 | 7.6 | 47.7 | 11.4 | 1.3 | 9.4 | 0.2 | 6.9 | 29.1 | (s) | 0.5 | NA | NA | 4.0 | 88.9 | 9.6 | 98.6 |
| 1970 | 4.9 | 56.9 | 19.1 | 3.1 | 6.9 | 0.9 | 9.9 | 39.8 | (s) | 0.5 | NA | NA | 7.3 | 109.5 | 17.7 | 127.2 |
| 1975 | 5.9 | 73.5 | 18.8 | 6.7 | 8.6 | 0.9 | 7.7 | 42.8 | 0.0 | 1.5 | NA | NA | 10.9 | 134.7 | R 26.2 | R 160.8 |
| 1980 | 5.2 | 50.9 | 19.9 | 9.8 | 7.7 | 0.2 | 5.9 | 43.6 | 0.0 | (s) | NA | NA | 14.2 | 113.8 | R 34.1 | R 147.9 |
| 1985 | 4.9 | 32.6 | 26.0 | 4.9 | 7.3 | 0.4 | 3.9 | 42.5 | 0.0 | (s) | 0.6 | NA | 12.9 | 92.9 | R 29.6 | R 122.5 |
| 1990 | 4.5 | 25.4 | 28.0 | 6.2 | 5.0 | 1.5 | 11.3 | 51.9 | 0.0 | 0.0 | 0.8 | 0.0 | 15.8 | 97.9 | R 36.2 | R 134.1 |
| 1995 | 6.6 | 43.9 | 27.7 | 5.9 | 4.0 | 0.8 | 6.6 | 44.9 | 0.0 | (s) | 12.1 | 0.0 | 19.8 | R 127.2 | R 44.7 | R 171.9 |
| 1996 | 5.4 | 36.4 | 26.8 | 7.1 | 4.0 | 1.1 | 12.2 | 51.2 | 0.0 | 3.5 | 12.4 | 0.0 | 21.1 | R 129.9 | R 47.8 | R 177.7 |
| 1997 | 5.7 | 44.4 | 27.4 | 5.7 | 4.2 | 0.6 | 10.1 | 48.0 | 0.0 | 2.7 | 16.6 | 0.0 | 22.4 | R 139.8 | R 50.5 | R 190.3 |
| 1998 | 7.3 | 53.2 | 29.3 | 4.7 | 5.5 | 0.6 | 9.7 | 49.8 | 0.0 | 2.7 | 17.6 | 0.0 | 23.6 | R 154.3 | R 53.2 | R 207.4 |
| 1999 | 7.7 | 45.7 | 24.5 | 5.9 | 3.6 | 0.4 | 12.8 | 47.2 | 0.0 | 2.7 | 18.7 | 0.0 | 23.5 | R 145.5 | R 53.4 | R 198.9 |
| 2000 | 8.4 | 47.1 | 26.5 | 6.3 | 3.3 | 0.7 | 6.6 | 43.4 | 0.0 | 2.1 | 19.6 | 0.0 | 24.8 | R 145.3 | R 56.1 | R 201.5 |
| 2001 | 10.1 | 40.9 | 30.1 | 6.0 | 5.0 | 0.7 | 7.4 | 49.1 | 0.0 | 4.2 | 21.4 | 0.0 | 25.0 | R 150.7 | R 55.4 | R 206.1 |
| 2002 | 8.0 | 41.1 | 29.2 | 9.3 | 5.4 | 0.8 | 7.0 | 51.6 | 0.0 | 4.7 | 21.4 | 0.0 | 25.8 | R 152.6 | R 57.2 | R 209.8 |
| 2003 | 7.8 | 38.7 | 30.0 | 7.5 | 5.7 | 0.8 | 10.6 | 54.6 | 0.0 | 4.6 | 23.0 | 0.0 | 28.7 | R 157.3 | R 63.0 | R 220.4 |
| 2004 | 7.5 | 39.5 | 32.2 | 7.7 | 6.8 | 1.1 | 10.5 | 58.4 | 0.0 | 4.5 | 30.6 | 0.0 | 29.4 | R 169.9 | R 64.7 | R 234.6 |
| 2005 | 7.8 | 41.6 | 30.4 | 6.3 | 6.5 | 0.6 | 9.8 | 53.7 | 0.0 | 4.8 | 32.0 | 0.0 | 30.1 | R 170.0 | R 65.4 | R 235.4 |
| 2006 | 8.2 | 54.2 | 30.1 | 7.5 | 6.7 | 0.2 | 8.7 | R 53.3 | 0.0 | R 3.3 | 35.2 | 0.0 | 30.6 | R 184.8 | R 65.8 | R 250.7 |
| 2007 | 8.1 | 67.0 | 35.6 | 5.5 | 3.8 | 0.3 | R 7.7 | 52.8 | 0.0 | R 3.8 | 48.2 | 0.0 | 31.1 | R 211.0 | R 66.6 | R 277.6 |
| 2008 | 7.8 | R 77.5 | R 31.6 | 3.3 | 2.4 | 0.2 | 6.8 | R 44.3 | 0.0 | R 3.8 | 67.3 | 0.0 | 32.8 | R 233.5 | R 70.3 | R 303.8 |
| 2009 | 7.3 | 82.2 | 26.8 | 5.1 | 2.5 | (s) | 5.9 | 40.3 | 0.0 | 4.1 | 66.3 | 0.0 | 32.5 | 232.7 | 68.3 | 301.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 7 | 6 | 371 | 1,402 | 1,202 | 103 | 328 | 12,768 | 258 | 16,432 | 0 | – – | – – | – – |
| 1965 | 1 | 9 | 410 | 1,439 | 1,371 | 99 | 295 | 13,861 | 109 | 17,583 | 0 | – – | – – | – – |
| 1970 | (s) | 13 | 199 | 3,658 | 1,783 | 217 | 319 | 17,096 | 225 | 23,497 | 0 | – – | – – | – – |
| 1975 | (s) | 10 | 141 | 4,618 | 1,679 | 231 | 299 | 18,871 | 138 | 25,976 | 0 | – – | – – | – – |
| 1980 | 0 | 7 | 213 | 5,112 | 1,588 | 171 | 348 | 17,480 | 0 | 24,911 | 0 | – – | – – | – – |
| 1985 | 0 | 6 | 96 | 6,709 | 1,357 | 57 | 317 | 16,187 | 0 | 24,722 | 0 | – – | – – | – – |
| 1990 | 0 | 4 | 83 | 7,524 | 1,501 | 61 | 356 | 17,346 | 0 | 26,871 | 0 | – – | – – | – – |
| 1995 | 0 | 3 | 77 | 9,540 | 1,001 | 23 | 340 | 18,521 | 0 | 29,501 | 0 | – – | – – | – – |
| 1996 | 0 | 5 | 75 | 11,649 | 1,007 | 21 | 330 | 18,679 | 0 | 31,763 | 0 | – – | – – | – – |
| 1997 | 0 | 4 | 90 | 11,825 | 1,075 | 71 | 348 | 18,994 | 0 | 32,404 | 0 | – – | – – | – – |
| 1998 | 0 | 3 | 63 | 13,252 | 1,081 | 23 | 365 | 19,237 | 0 | 34,021 | 0 | – – | – – | – – |
| 1999 | 0 | 3 | 71 | 13,195 | 1,564 | 14 | 368 | 19,781 | 0 | 34,994 | 0 | – – | – – | – – |
| 2000 | 0 | 3 | 64 | 9,983 | 1,231 | 26 | 363 | 19,543 | 0 | 31,210 | 0 | – – | – – | – – |
| 2001 | 0 | 3 | 86 | 8,651 | 1,113 | 31 | 333 | 19,231 | 0 | 29,445 | 0 | – – | – – | – – |
| 2002 | 0 | 3 | 93 | 8,719 | 1,527 | 41 | 329 | 19,689 | 0 | 30,397 | 0 | – – | – – | – – |
| 2003 | 0 | 5 | 81 | 9,415 | 1,205 | 41 | 304 | 19,492 | 0 | 30,538 | 0 | – – | – – | – – |
| 2004 | 0 | 4 | 56 | 10,589 | 918 | 53 | 308 | 19,333 | 0 | 31,257 | 0 | – – | – – | – – |
| 2005 | 0 | 4 | 82 | 10,739 | 934 | 23 | 306 | 18,872 | 0 | 30,957 | 0 | – – | – – | – – |
| 2006 | 0 | 5 | 80 | 11,036 | 1,060 | 34 | 298 | 18,774 | 0 | 31,283 | 0 | – – | – – | – – |
| 2007 | 0 | 5 | 79 | 10,834 | 968 | 38 | 308 | 19,501 | 0 | 31,729 | 0 | – – | – – | – – |
| 2008 | 0 | 10 | 66 | R 10,381 | 888 | R 29 | 286 | 19,652 | 0 | R 31,302 | 0 | – – | – – | – – |
| 2009 | 0 | 6 | 63 | 9,822 | 697 | 38 | 257 | 19,347 | 0 | 30,224 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 6.5 | 1.9 | 8.2 | 6.4 | 0.4 | 2.0 | 67.1 | 1.6 | 87.6 | 0.0 | 94.2 | 0.0 | 94.2 |
| 1965 | (s) | 8.6 | 2.1 | 8.4 | 7.4 | 0.4 | 1.8 | 72.8 | 0.7 | 93.5 | 0.0 | 102.2 | 0.0 | 102.2 |
| 1970 | (s) | 13.2 | 1.0 | 21.3 | 9.8 | 0.8 | 1.9 | 89.8 | 1.4 | 126.1 | 0.0 | 139.3 | 0.0 | 139.3 |
| 1975 | (s) | 10.4 | 0.7 | 26.9 | 9.2 | 0.9 | 1.8 | 99.1 | 0.9 | 139.5 | 0.0 | 149.9 | 0.0 | 149.9 |
| 1980 | 0.0 | 6.9 | 1.1 | 29.8 | 8.7 | 0.6 | 2.1 | 91.8 | 0.0 | 134.1 | 0.0 | 141.0 | 0.0 | 141.0 |
| 1985 | 0.0 | 5.5 | 0.5 | 39.1 | 7.4 | 0.2 | 1.9 | 85.0 | 0.0 | 134.1 | 0.0 | R 141.0 | 0.0 | R 141.0 |
| 1990 | 0.0 | 3.5 | 0.4 | 43.8 | 8.3 | 0.2 | 2.2 | 91.1 | 0.0 | 146.0 | 0.0 | R 151.8 | 0.0 | R 151.8 |
| 1995 | 0.0 | 3.4 | 0.4 | 55.6 | 5.7 | 0.1 | 2.1 | 96.6 | 0.0 | 160.4 | 0.0 | 163.7 | 0.0 | 163.7 |
| 1996 | 0.0 | 4.6 | 0.4 | 67.9 | 5.7 | 0.1 | 2.0 | 97.4 | 0.0 | 173.5 | 0.0 | 178.1 | 0.0 | 178.1 |
| 1997 | 0.0 | 4.3 | 0.5 | 68.9 | 6.1 | 0.3 | 2.1 | 99.0 | 0.0 | 176.8 | 0.0 | 181.1 | 0.0 | 181.1 |
| 1998 | 0.0 | 2.9 | 0.3 | 77.2 | 6.1 | 0.1 | 2.2 | 100.3 | 0.0 | 186.2 | 0.0 | 189.1 | 0.0 | 189.1 |
| 1999 | 0.0 | 3.0 | 0.4 | 76.9 | 8.9 | 0.1 | 2.2 | 103.1 | 0.0 | 191.5 | 0.0 | 194.4 | 0.0 | 194.4 |
| 2000 | 0.0 | 3.2 | 0.3 | 58.2 | 7.0 | 0.1 | 2.2 | 101.8 | 0.0 | 169.6 | 0.0 | 172.8 | 0.0 | 172.8 |
| 2001 | 0.0 | 3.1 | 0.4 | 50.4 | 6.3 | 0.1 | 2.0 | 100.2 | 0.0 | 159.5 | 0.0 | 162.6 | 0.0 | 162.6 |
| 2002 | 0.0 | 2.7 | 0.5 | 50.8 | 8.7 | 0.1 | 2.0 | 102.5 | 0.0 | 164.6 | 0.0 | 167.3 | 0.0 | 167.3 |
| 2003 | 0.0 | 5.4 | 0.4 | 54.8 | 6.8 | 0.1 | 1.8 | 101.5 | 0.0 | 165.6 | 0.0 | 171.0 | 0.0 | 171.0 |
| 2004 | 0.0 | 4.1 | 0.3 | 61.7 | 5.2 | 0.2 | 1.9 | 100.8 | 0.0 | 170.0 | 0.0 | 174.1 | 0.0 | 174.1 |
| 2005 | 0.0 | 4.5 | 0.4 | 62.6 | 5.3 | 0.1 | 1.9 | 98.5 | 0.0 | 168.7 | 0.0 | 173.2 | 0.0 | 173.2 |
| 2006 | 0.0 | 4.6 | 0.4 | 64.3 | 6.0 | 0.1 | 1.8 | 98.0 | 0.0 | 170.6 | 0.0 | 175.2 | 0.0 | 175.2 |
| 2007 | 0.0 | 5.5 | 0.4 | 63.1 | 5.5 | 0.1 | 1.9 | 101.8 | 0.0 | 172.8 | 0.0 | 178.3 | 0.0 | 178.3 |
| 2008 | 0.0 | 10.1 | 0.3 | R 60.5 | 5.0 | 0.1 | 1.7 | 102.5 | 0.0 | R 170.2 | 0.0 | R 180.3 | 0.0 | R 180.3 |
| 2009 | 0.0 | 6.6 | 0.3 | 57.2 | 4.0 | 0.1 | 1.6 | 101.0 | 0.0 | 164.1 | 0.0 | 170.7 | 0.0 | 170.7 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Nebraska

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 256 | 31 | 96 | 64 | 0 | 160 | 0 | 959 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 486 | 36 | 107 | 71 | 0 | 178 | -5 | 1,115 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 1,006 | 48 | 188 | 126 | 0 | 314 | 0 | 1,370 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 1,278 | 38 | 658 | 308 | 0 | 967 | 5,916 | 1,213 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 4,702 | 12 | 176 | 86 | 0 | 262 | 5,783 | 1,336 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 6,380 | 1 | 0 | 62 | 0 | 62 | 4,134 | 1,441 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 8,027 | 4 | 1 | 31 | 0 | 31 | 7,511 | 1,140 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 10,048 | 3 | 0 | 61 | 0 | 61 | 7,485 | 1,426 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 10,091 | 2 | 0 | 47 | 0 | 47 | 9,457 | 1,602 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 10,796 | 3 | (s) | 71 | 0 | 72 | 9,269 | 1,672 | – – | 0 | 0 | 0 | 1 | – – |
| 1998 | 11,505 | 5 | 11 | 83 | 0 | 93 | 8,259 | 1,683 | – – | 0 | 0 | 0 | -48 | – – |
| 1999 | 11,219 | 5 | 4 | 65 | 0 | 70 | 10,091 | 1,719 | – – | 0 | 0 | 0 | -42 | – – |
| 2000 | 11,503 | 6 | 19 | 100 | 0 | 119 | 8,629 | 1,501 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 12,606 | 4 | (s) | 62 | 0 | 62 | 8,726 | 1,124 | – – | 0 | 0 | 3 | 0 | – – |
| 2002 | 12,210 | 5 | (s) | 43 | 0 | 43 | 10,122 | 1,097 | – – | 0 | 0 | 8 | 0 | – – |
| 2003 | 12,725 | 5 | 1 | 101 | 0 | 102 | 7,997 | 980 | – – | 0 | 0 | 38 | 2 | – – |
| 2004 | 12,650 | 3 | 2 | 45 | 0 | 47 | 10,241 | 913 | – – | 0 | 0 | 38 | -3 | – – |
| 2005 | 12,886 | 8 | 19 | 44 | 0 | 63 | 8,802 | 871 | – – | 0 | 0 | 97 | -4 | – – |
| 2006 | 12,881 | 8 | 2 | 40 | 0 | 41 | 9,003 | 893 | – – | 0 | 0 | 261 | -1 | – – |
| 2007 | 12,267 | 11 | 23 | 54 | 0 | 76 | 11,042 | 347 | – – | 0 | 0 | 217 | 9 | – – |
| 2008 | 13,360 | 7 | 1 | 72 | 0 | 73 | 9,479 | 346 | – – | 0 | 0 | 214 | (s) | – – |
| 2009 | 14,183 | 3 | 1 | 44 | 0 | 45 | 9,435 | 434 | – – | 0 | 0 | 383 | (s) | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 6.3 | 32.1 | 0.6 | 0.4 | 0.0 | 1.0 | 0.0 | 10.3 | 0.5 | 0.0 | NA | NA | 0.0 | 50.2 |
| 1965 | 11.9 | 35.9 | 0.7 | 0.4 | 0.0 | 1.1 | -0.1 | 11.7 | 0.0 | 0.0 | NA | NA | 0.0 | 60.6 |
| 1970 | 24.1 | 48.0 | 1.2 | 0.7 | 0.0 | 1.9 | 0.0 | 14.4 | 0.0 | 0.0 | NA | NA | 0.0 | 88.4 |
| 1975 | 26.8 | 37.0 | 4.1 | 1.8 | 0.0 | 5.9 | 65.2 | 12.6 | 0.0 | 0.0 | NA | NA | 0.0 | 147.5 |
| 1980 | 88.4 | 11.3 | 1.1 | 0.5 | 0.0 | 1.6 | 63.1 | 13.9 | 0.0 | 0.0 | NA | NA | 0.0 | 178.3 |
| 1985 | 110.4 | 1.2 | 0.0 | 0.4 | 0.0 | 0.4 | 43.9 | 15.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 170.9 |
| 1990 | 137.5 | 3.6 | (s) | 0.2 | 0.0 | 0.2 | 79.5 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 232.5 |
| 1995 | 172.7 | 3.1 | 0.0 | 0.4 | 0.0 | 0.4 | 78.6 | 14.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 269.7 |
| 1996 | 173.5 | 2.3 | 0.0 | 0.3 | 0.0 | 0.3 | 99.3 | 16.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 292.1 |
| 1997 | 185.6 | 2.7 | (s) | 0.4 | 0.0 | 0.4 | 97.3 | 17.1 | 0.2 | 0.0 | 0.0 | 0.0 | (s) | 303.3 |
| 1998 | 197.5 | 5.1 | 0.1 | 0.5 | 0.0 | 0.5 | 86.6 | 17.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 306.9 |
| 1999 | 190.8 | 4.6 | (s) | 0.4 | 0.0 | 0.4 | 105.5 | 17.6 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 318.8 |
| 2000 | 198.6 | 5.6 | 0.1 | 0.6 | 0.0 | 0.7 | 90.0 | 15.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 310.3 |
| 2001 | 216.4 | 4.4 | (s) | 0.4 | 0.0 | 0.4 | 91.1 | 11.6 | 0.1 | 0.0 | 0.0 | (s) | 0.0 | 324.1 |
| 2002 | 209.8 | 4.8 | (s) | 0.2 | 0.0 | 0.3 | 105.7 | 11.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 332.0 |
| 2003 | 219.4 | 4.6 | (s) | 0.6 | 0.0 | 0.6 | 83.3 | 10.0 | 0.4 | 0.0 | 0.0 | 0.4 | (s) | 318.7 |
| 2004 | 216.1 | 3.3 | (s) | 0.3 | 0.0 | 0.3 | 106.8 | 9.2 | 0.3 | 0.0 | 0.0 | 0.4 | (s) | 336.3 |
| 2005 | 220.8 | 8.0 | 0.1 | 0.3 | 0.0 | 0.4 | 91.9 | 8.7 | 0.5 | 0.0 | 0.0 | 1.0 | (s) | 331.2 |
| 2006 | 219.2 | 7.8 | (s) | 0.2 | 0.0 | 0.2 | 94.0 | 8.9 | 0.5 | 0.0 | 0.0 | 2.6 | (s) | 333.2 |
| 2007 | 208.7 | 11.1 | 0.1 | 0.3 | 0.0 | 0.5 | 115.8 | 3.4 | 0.6 | 0.0 | 0.0 | 2.1 | (s) | 342.2 |
| 2008 | 226.8 | 7.3 | (s) | 0.4 | 0.0 | 0.4 | 99.1 | 3.4 | 0.6 | 0.0 | 0.0 | 2.1 | (s) | 339.8 |
| 2009 | 242.3 | 3.3 | (s) | 0.3 | 0.0 | 0.3 | 98.7 | 4.2 | 0.6 | 0.0 | 0.0 | 3.7 | (s) | 353.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 151 | 12 | 2,409 | 2,462 | 773 | 3,621 | 246 | 623 | 10,134 | 0 | 1,967 | NA |
| 1965 | 309 | 28 | 2,775 | 2,999 | 720 | 5,504 | 137 | 828 | 12,963 | 0 | 1,595 | NA |
| 1970 | 680 | 53 | 2,834 | 4,584 | 839 | 7,374 | 143 | 927 | 16,700 | 0 | 1,646 | NA |
| 1971 | 1,533 | 67 | 3,152 | 4,853 | 838 | 7,721 | 224 | 907 | 17,695 | 0 | 1,678 | NA |
| 1972 | 3,737 | 70 | 2,959 | 5,287 | 769 | 8,495 | 281 | 1,144 | 18,934 | 0 | 1,563 | NA |
| 1973 | 4,003 | 73 | 3,258 | 5,591 | 693 | 8,999 | 415 | 1,265 | 20,221 | 0 | 1,669 | NA |
| 1974 | 4,467 | 63 | 2,527 | 5,572 | 689 | 8,953 | 809 | 1,359 | 19,909 | 0 | 1,600 | NA |
| 1975 | 4,521 | 61 | 2,565 | 5,859 | 493 | 9,633 | 1,339 | 1,182 | 21,070 | 0 | 1,690 | NA |
| 1976 | 5,005 | 67 | 2,762 | 6,157 | 442 | 10,003 | 723 | 1,005 | 21,091 | 0 | 1,555 | NA |
| 1977 | 5,229 | 71 | 3,086 | 6,502 | 425 | 10,607 | 1,444 | 1,039 | 23,102 | 0 | 1,617 | NA |
| 1978 | 4,134 | 65 | 3,929 | 6,884 | 380 | 11,698 | 2,858 | 1,148 | 26,897 | 0 | 1,666 | NA |
| 1979 | 4,490 | 84 | 3,144 | 7,378 | 850 | 11,328 | 1,444 | 1,157 | 25,300 | 0 | 1,716 | NA |
| 1980 | 4,215 | 58 | 3,966 | 7,223 | 880 | 11,224 | 2,439 | 982 | 26,715 | 0 | 2,372 | NA |
| 1981 | 5,076 | 73 | 3,490 | 7,030 | 835 | 11,559 | 285 | 888 | 24,088 | 0 | 1,729 | 2 |
| 1982 | 6,617 | 47 | 3,525 | 6,722 | 976 | 11,311 | 236 | 930 | 23,699 | 0 | 1,420 | 2 |
| 1983 | 6,289 | 42 | 5,292 | 6,748 | 975 | 11,288 | 104 | 1,060 | 25,467 | 0 | 4,094 | 1 |
| 1984 | 6,948 | 42 | 5,346 | 5,927 | 793 | 11,558 | 219 | 1,042 | 24,886 | 0 | 5,613 | 0 |
| 1985 | 5,539 | 39 | 5,289 | 5,715 | 1,043 | 11,627 | 165 | 1,136 | 24,975 | 0 | 4,344 | 2 |
| 1986 | 7,195 | 34 | 5,454 | 5,952 | 924 | 12,211 | 641 | 874 | 26,057 | 0 | 4,584 | 40 |
| 1987 | 6,920 | 41 | 6,074 | 6,431 | 938 | 13,075 | 525 | 1,154 | 28,197 | 0 | 2,526 | 143 |
| 1988 | 8,276 | 48 | 6,574 | 6,416 | 1,098 | 14,059 | 1,004 | 1,239 | 30,391 | 0 | 2,091 | 138 |
| 1989 | 7,667 | 64 | 7,369 | 6,105 | 1,762 | 14,570 | 667 | 1,708 | 32,181 | 0 | 1,859 | 108 |
| 1990 | 7,442 | 65 | 6,815 | 6,114 | 1,430 | 14,942 | 454 | 1,324 | 31,079 | 0 | 1,735 | 116 |
| 1991 | 8,091 | 66 | 7,056 | 6,556 | 1,157 | 15,353 | 464 | 1,377 | 31,962 | 0 | 2,365 | 158 |
| 1992 | 8,088 | 79 | 7,758 | 6,162 | 1,009 | 16,040 | 597 | 1,163 | 32,730 | 0 | 1,986 | 190 |
| 1993 | 7,806 | 85 | 9,272 | 6,510 | 910 | 16,233 | 496 | 1,459 | 34,879 | 0 | 1,972 | 228 |
| 1994 | 7,968 | 101 | 9,271 | 6,813 | 1,446 | 17,231 | 380 | 1,571 | 36,712 | 0 | 1,876 | 0 |
| 1995 | 7,340 | 109 | 8,774 | 7,374 | 815 | 18,017 | 1,109 | 1,749 | 37,837 | 0 | 1,942 | 304 |
| 1996 | 7,604 | 122 | 11,031 | 7,843 | 970 | 18,962 | 276 | 1,760 | 40,842 | 0 | 2,164 | 0 |
| 1997 | 7,447 | 132 | 9,987 | 7,559 | 852 | 19,952 | 230 | 759 | 39,339 | 0 | 2,587 | 0 |
| 1998 | 8,216 | 149 | 9,207 | 6,721 | 911 | 22,070 | 145 | 1,690 | 40,744 | 0 | 3,166 | 352 |
| 1999 | 8,067 | 155 | 9,426 | 8,354 | 1,378 | 21,583 | 64 | 1,124 | 41,930 | 0 | 2,828 | 636 |
| 2000 | 8,865 | 189 | 9,750 | 9,163 | 1,313 | 22,063 | 80 | 1,080 | 43,448 | 0 | 2,429 | 689 |
| 2001 | 8,399 | 177 | 9,646 | 8,414 | 1,529 | 22,877 | 2,090 | 1,333 | 45,888 | 0 | 2,514 | 747 |
| 2002 | 8,071 | 177 | 9,672 | 8,154 | 1,111 | 23,582 | 19 | 1,276 | 43,814 | 0 | 2,268 | 881 |
| 2003 | 8,095 | 186 | 8,960 | 7,651 | 790 | 24,863 | 8 | 2,086 | 44,357 | 0 | 1,757 | 1,031 |
| 2004 | 8,715 | 215 | 11,388 | 7,915 | 614 | 26,050 | 149 | 2,164 | 48,280 | 0 | 1,615 | 1,058 |
| 2005 | 8,826 | 227 | 12,452 | 8,157 | 931 | 27,137 | 6 | 2,486 | 51,169 | 0 | 1,702 | 1,052 |
| 2006 | 3,696 | 250 | 13,862 | 8,551 | 911 | 28,237 | 13 | R 2,456 | R 54,031 | 0 | 2,058 | 1,018 |
| 2007 | 3,651 | 254 | 13,431 | 9,207 | 915 | 28,414 | 8 | R 1,669 | R 53,645 | 0 | 2,003 | 1,229 |
| 2008 | 4,078 | 265 | R 12,094 | 7,717 | 1,213 | 27,227 | 0 | R 1,687 | R 49,938 | 0 | 1,751 | 1,854 |
| 2009 | 3,975 | 275 | 12,031 | 4,886 | 1,241 | 26,547 | 0 | 1,453 | 46,157 | 0 | 2,461 | 2,104 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Nevada
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 4.0 | 12.9 | 14.0 | 13.2 | 3.1 | 19.0 | 1.5 | 3.6 | 54.5 | 71.4 | *12.9* | *19.0* |
| 1965 | 7.9 | 29.4 | 16.2 | 16.3 | 2.9 | 28.9 | 0.9 | 4.9 | 70.0 | 107.3 | *29.4* | *28.9* |
| 1970 | 17.3 | 56.9 | 16.5 | 25.3 | 3.2 | 38.7 | 0.9 | 5.8 | 90.4 | 164.6 | *56.9* | *38.7* |
| 1971 | 36.4 | 72.0 | 18.4 | 26.8 | 3.2 | 40.6 | 1.4 | 5.7 | 96.0 | 204.4 | *72.0* | *40.6* |
| 1972 | 84.4 | 75.2 | 17.2 | 29.3 | 2.9 | 44.6 | 1.8 | 7.3 | 103.1 | 262.7 | *75.2* | *44.6* |
| 1973 | 90.1 | 78.0 | 19.0 | 31.1 | 2.6 | 47.3 | 2.6 | 8.0 | 110.6 | 278.7 | *78.0* | *47.3* |
| 1974 | 100.5 | 67.7 | 14.7 | 31.0 | 2.6 | 47.0 | 5.1 | 8.6 | 109.0 | 277.2 | *67.7* | *47.0* |
| 1975 | 101.3 | 65.4 | 14.9 | 32.7 | 1.8 | 50.6 | 8.4 | 7.4 | 115.9 | 282.5 | *65.4* | *50.6* |
| 1976 | 111.3 | 71.2 | 16.1 | 34.4 | 1.6 | 52.5 | 4.5 | 6.3 | 115.5 | 298.0 | *71.2* | *52.5* |
| 1977 | 115.9 | 74.5 | 18.0 | 36.3 | 1.6 | 55.7 | 9.1 | 6.5 | 127.1 | 317.6 | *74.5* | *55.7* |
| 1978 | 91.3 | 66.3 | 22.9 | 38.5 | 1.4 | 61.4 | 18.0 | 7.2 | 149.4 | 307.0 | *66.3* | *61.4* |
| 1979 | 99.3 | 85.5 | 18.3 | 41.3 | 3.1 | 59.5 | 9.1 | 7.3 | 138.6 | 323.4 | *85.5* | *59.5* |
| 1980 | 93.2 | 62.0 | 23.1 | 40.4 | 3.2 | 59.0 | 15.3 | 6.1 | 147.1 | 302.3 | *62.0* | *59.0* |
| 1981 | 112.2 | 78.7 | 20.3 | 39.2 | 3.0 | 60.7 | 1.8 | 5.5 | 130.6 | 321.5 | *78.7* | *60.7* |
| 1982 | 146.5 | 49.9 | 20.5 | 37.4 | 3.5 | 59.4 | 1.5 | 5.9 | 128.3 | 324.7 | *49.9* | *59.4* |
| 1983 | 140.2 | 44.7 | 30.8 | 37.6 | 3.5 | 59.3 | 0.7 | 6.7 | 138.6 | 323.6 | *44.7* | *59.3* |
| 1984 | 155.6 | 44.7 | 31.1 | 32.9 | 2.9 | 60.7 | 1.4 | 6.6 | 135.6 | 335.9 | *44.7* | *60.7* |
| 1985 | 126.2 | 41.6 | 30.8 | 31.7 | 3.8 | 61.1 | 1.0 | 7.3 | 135.6 | 303.4 | *41.6* | *61.1* |
| 1986 | 161.6 | 35.8 | 31.8 | 33.0 | 3.4 | 64.1 | 4.0 | 5.5 | 141.8 | 339.2 | *35.8* | *64.1* |
| 1987 | 154.9 | 41.7 | 35.4 | 35.7 | 3.4 | 68.7 | 3.3 | 7.4 | 153.9 | 350.4 | *41.7* | *68.7* |
| 1988 | 183.5 | 48.3 | 38.3 | 35.6 | 4.0 | 73.9 | 6.3 | 7.9 | 166.0 | 397.8 | *48.4* | *73.9* |
| 1989 | 170.2 | 65.5 | 42.9 | 33.9 | 6.5 | 76.5 | 4.2 | 11.0 | 175.1 | 410.8 | *65.6* | *76.5* |
| 1990 | 165.3 | 66.8 | 39.7 | 34.0 | 5.2 | 78.5 | 2.9 | 8.5 | 168.8 | 400.8 | *66.9* | *78.5* |
| 1991 | 180.3 | 68.2 | 41.1 | 36.5 | 4.2 | 80.6 | 2.9 | 8.8 | 174.2 | 422.6 | *68.2* | *80.6* |
| 1992 | 178.8 | 81.2 | 45.2 | 34.4 | 3.7 | 84.3 | 3.8 | 7.4 | 178.7 | 438.7 | *81.2* | *84.3* |
| 1993 | 172.4 | 87.5 | 54.0 | 36.5 | 3.3 | 84.5 | 3.1 | 9.4 | R 190.8 | 450.6 | *87.5* | *85.3* |
| 1994 | 180.3 | 104.9 | 54.0 | 38.6 | 5.3 | 90.1 | 2.4 | 10.1 | 200.5 | 485.7 | *104.9* | *90.1* |
| 1995 | 162.5 | 112.5 | 51.1 | 41.8 | 3.0 | 92.9 | 7.0 | 11.4 | 207.1 | 482.1 | *112.5* | *94.0* |
| 1996 | 169.5 | 126.9 | 64.3 | 44.5 | 3.5 | 98.9 | 1.7 | 11.4 | 224.2 | 520.6 | *126.9* | *98.9* |
| 1997 | 166.7 | 135.5 | 58.2 | 42.9 | 3.1 | 104.0 | 1.4 | 4.8 | 214.3 | 516.5 | *135.5* | *104.0* |
| 1998 | 184.2 | 154.7 | 53.6 | 38.1 | 3.3 | 113.8 | 0.9 | 10.9 | 220.7 | 559.6 | *154.7* | *115.0* |
| 1999 | 181.6 | 160.0 | 54.9 | 47.4 | 5.0 | R 110.3 | 0.4 | 7.2 | R 225.1 | R 566.7 | *160.0* | *112.5* |
| 2000 | 199.3 | 194.1 | 56.8 | 52.0 | 4.7 | R 112.6 | 0.5 | 6.9 | 233.4 | R 626.9 | *194.1* | *114.9* |
| 2001 | 188.6 | 181.3 | 56.2 | 47.7 | 5.5 | R 116.6 | 13.1 | 8.5 | R 247.7 | R 617.5 | *181.3* | *119.2* |
| 2002 | 164.8 | 181.0 | 56.3 | 46.2 | 4.0 | R 119.8 | 0.1 | 8.1 | R 234.6 | R 580.4 | *181.0* | *122.8* |
| 2003 | 182.6 | 191.0 | 52.2 | 43.4 | 2.9 | R 125.9 | (s) | 13.6 | 237.9 | R 611.6 | *191.0* | *129.5* |
| 2004 | 193.6 | 221.6 | 66.3 | 44.9 | 2.2 | R 132.2 | 0.9 | 14.1 | R 260.7 | R 675.9 | *221.6* | *135.9* |
| 2005 | 197.8 | 236.0 | 72.5 | 46.2 | 3.4 | 137.9 | (s) | 16.1 | R 276.3 | R 710.1 | *236.0* | *141.6* |
| 2006 | 84.2 | 257.6 | 80.7 | 48.5 | 3.3 | R 143.8 | 0.1 | R 15.9 | R 292.3 | R 634.1 | *257.6* | *147.3* |
| 2007 | 82.9 | 263.6 | 78.2 | 52.2 | 3.3 | R 144.0 | 0.1 | R 10.7 | R 288.5 | R 634.9 | *263.6* | *148.3* |
| 2008 | 88.6 | 274.9 | R 70.4 | 43.8 | 4.4 | R 135.6 | 0.0 | R 10.8 | R 265.0 | R 628.5 | *274.9* | *142.1* |
| 2009 | 83.8 | 283.7 | 70.1 | 27.7 | 4.4 | 131.2 | 0.0 | 9.3 | 242.7 | 610.3 | *283.7* | *138.5* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Nevada (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 21.2 | 0.9 | NA | NA | 0.9 | 0.0 | NA | NA | 22.1 | -2.3 | 0.0 | 91.2 |
| 1965 | 0.0 | 16.7 | 0.9 | NA | NA | 0.9 | 0.0 | NA | NA | 17.5 | 5.5 | 0.0 | 130.3 |
| 1970 | 0.0 | 17.3 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 18.3 | 7.2 | 0.0 | 190.1 |
| 1971 | 0.0 | 17.6 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 18.7 | -21.4 | 0.0 | 201.6 |
| 1972 | 0.0 | 16.2 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 17.3 | -62.3 | 0.0 | R 217.6 |
| 1973 | 0.0 | 17.3 | 1.0 | NA | NA | 1.0 | 0.0 | NA | NA | 18.4 | R -63.6 | 0.0 | R 233.4 |
| 1974 | 0.0 | 16.7 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 17.8 | R -61.2 | 0.0 | R 233.7 |
| 1975 | 0.0 | 17.6 | 1.2 | NA | NA | 1.2 | 0.0 | NA | NA | 18.8 | R -63.3 | 0.0 | R 238.1 |
| 1976 | 0.0 | 16.1 | 1.3 | NA | NA | 1.3 | 0.0 | NA | NA | 17.5 | R -65.3 | 0.0 | R 250.2 |
| 1977 | 0.0 | 16.9 | 1.5 | NA | NA | 1.5 | 0.0 | NA | NA | 18.4 | R -79.3 | 0.0 | R 256.7 |
| 1978 | 0.0 | 17.3 | 1.7 | NA | NA | 1.7 | 0.0 | NA | NA | 19.0 | R -43.8 | 0.0 | R 282.2 |
| 1979 | 0.0 | 17.8 | 2.0 | NA | NA | 2.0 | 0.0 | NA | NA | 19.8 | R -46.8 | 0.0 | R 296.5 |
| 1980 | 0.0 | 24.6 | 2.8 | NA | NA | 2.8 | 0.0 | NA | NA | 27.4 | R -38.4 | 0.0 | R 291.3 |
| 1981 | 0.0 | 18.1 | 3.7 | (s) | 0.0 | 3.7 | 0.0 | NA | NA | 21.8 | R -57.2 | 0.0 | R 286.2 |
| 1982 | 0.0 | 14.8 | 3.9 | (s) | 0.0 | 3.9 | 0.0 | NA | NA | 18.7 | R -53.3 | 0.0 | R 290.1 |
| 1983 | 0.0 | 43.1 | 4.1 | (s) | 0.0 | 4.1 | 0.0 | NA | 0.0 | 47.2 | R -70.2 | 0.0 | R 300.6 |
| 1984 | 0.0 | 58.6 | 4.5 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 63.1 | R -98.5 | 0.0 | R 300.4 |
| 1985 | 0.0 | 45.4 | 4.6 | (s) | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 50.0 | R -51.0 | 0.1 | R 302.5 |
| 1986 | 0.0 | 47.9 | 4.2 | 0.1 | 0.0 | R 4.3 | 0.0 | 0.0 | 0.0 | 52.2 | R -88.2 | 0.0 | R 303.2 |
| 1987 | 0.0 | 26.3 | 2.2 | 0.5 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 29.0 | R -49.0 | 0.1 | R 330.5 |
| 1988 | 0.0 | 21.6 | 2.3 | 0.5 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 24.4 | R -69.0 | 0.0 | R 353.2 |
| 1989 | 0.0 | 19.4 | 2.5 | 0.4 | 0.0 | 2.8 | R 8.3 | 0.1 | 0.0 | R 30.6 | R -52.7 | 0.2 | R 389.0 |
| 1990 | 0.0 | 18.0 | 2.9 | 0.4 | 0.0 | 3.3 | R 8.7 | 0.1 | 0.0 | R 30.1 | R -31.9 | (s) | R 399.1 |
| 1991 | 0.0 | 24.7 | 3.0 | 0.5 | 0.0 | R 3.5 | R 11.2 | 0.1 | 0.0 | R 39.5 | R -51.2 | (s) | R 410.9 |
| 1992 | 0.0 | 20.5 | 3.1 | 0.7 | 0.0 | 3.8 | R 13.1 | 0.1 | 0.0 | R 37.5 | R -50.0 | (s) | R 426.2 |
| 1993 | 0.0 | 20.3 | 3.4 | 0.8 | 0.0 | 4.2 | R 16.8 | 0.1 | 0.0 | R 41.4 | R -42.6 | (s) | R 449.4 |
| 1994 | 0.0 | 19.4 | 3.2 | 0.0 | 0.0 | 3.2 | R 16.4 | 0.1 | 0.0 | R 39.1 | R -48.0 | (s) | R 476.8 |
| 1995 | 0.0 | 20.0 | 3.2 | 1.1 | 0.0 | 4.3 | R 16.9 | 0.2 | 0.0 | R 41.4 | R -27.1 | 0.0 | R 496.4 |
| 1996 | 0.0 | 22.4 | 3.6 | 0.0 | 0.0 | 3.6 | R 17.0 | 0.2 | 0.0 | R 43.1 | R -27.4 | 0.0 | R 536.3 |
| 1997 | 0.0 | 26.4 | 4.5 | 0.0 | 0.0 | 4.5 | R 17.1 | 0.3 | 0.0 | R 48.3 | R -14.6 | 0.0 | R 550.2 |
| 1998 | 0.0 | 32.3 | 4.0 | 1.2 | 0.0 | 5.2 | R 16.5 | 0.3 | 0.0 | R 54.3 | R -36.1 | 0.0 | R 577.9 |
| 1999 | 0.0 | 28.9 | 4.2 | 2.2 | 0.0 | 6.4 | R 15.5 | 0.4 | 0.0 | R 51.3 | R -19.1 | 0.0 | R 598.9 |
| 2000 | 0.0 | 24.8 | 4.5 | 2.4 | 0.0 | R 6.8 | R 15.1 | 0.5 | 0.0 | R 47.2 | R -48.1 | 0.0 | R 626.0 |
| 2001 | 0.0 | 26.0 | 3.3 | 2.6 | 0.0 | R 5.9 | R 13.6 | 0.6 | 0.0 | R 46.0 | R -37.7 | 0.0 | R 625.8 |
| 2002 | 0.0 | 23.1 | 3.1 | 3.1 | 0.0 | R 6.2 | R 12.6 | 0.6 | 0.0 | R 42.5 | R 13.1 | 0.3 | R 636.3 |
| 2003 | 0.0 | 18.0 | 3.3 | 3.6 | 0.0 | 6.9 | R 12.1 | 0.6 | 0.0 | R 37.5 | R 2.5 | 0.8 | R 652.3 |
| 2004 | 0.0 | 16.2 | 3.4 | 3.7 | 0.0 | R 7.0 | R 14.2 | 0.7 | 0.0 | R 38.1 | R -18.9 | 0.6 | R 695.7 |
| 2005 | 0.0 | 17.0 | R 2.8 | 3.7 | 0.0 | R 6.5 | R 13.9 | 0.8 | 0.0 | R 38.2 | R -25.0 | 0.8 | R 724.1 |
| 2006 | 0.0 | 20.4 | R 2.5 | 3.5 | 0.0 | R 6.1 | R 14.6 | 1.0 | 0.0 | R 42.0 | R 86.2 | 0.3 | R 762.6 |
| 2007 | 0.0 | 19.8 | R 2.8 | 4.3 | 0.0 | R 7.0 | R 13.7 | R 1.5 | 0.0 | R 42.1 | R 93.9 | 1.0 | R 771.9 |
| 2008 | 0.0 | 17.3 | R 2.9 | 6.4 | 0.0 | R 9.3 | R 15.0 | R 2.8 | 0.0 | R 44.4 | R 72.0 | 0.1 | R 745.0 |
| 2009 | 0.0 | 24.0 | 2.8 | 7.3 | 0.0 | 10.1 | 17.3 | 3.2 | 0.0 | 54.6 | 42.8 | -0.1 | 707.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 151 | 6 | 2,402 | 2,462 | 773 | 3,621 | 204 | 623 | 10,086 | (s) | – – | – – | – – | – – | 2,167 | – – | – – | – – |
| 1965 | 129 | 14 | 2,767 | 2,999 | 720 | 5,504 | 86 | 828 | 12,904 | (s) | – – | – – | – – | – – | 3,563 | – – | – – | – – |
| 1970 | 136 | 27 | 2,821 | 4,584 | 839 | 7,374 | 63 | 927 | 16,607 | (s) | – – | – – | – – | – – | 5,693 | – – | – – | – – |
| 1975 | 86 | 36 | 2,507 | 5,859 | 493 | 9,633 | 83 | 1,182 | 19,757 | 0 | – – | – – | – – | – – | 7,643 | – – | – – | – – |
| 1980 | 151 | 31 | 3,944 | 7,223 | 880 | 11,224 | 8 | 982 | 24,262 | 0 | – – | – – | – – | – – | 10,408 | – – | – – | – – |
| 1985 | 112 | 31 | 5,235 | 5,715 | 1,043 | 11,627 | 114 | 1,136 | 24,870 | 0 | – – | – – | – – | – – | 11,341 | – – | – – | – – |
| 1990 | 172 | 41 | 6,724 | 6,114 | 1,430 | 14,942 | 10 | 1,324 | 30,544 | 0 | – – | – – | – – | – – | 16,352 | – – | – – | – – |
| 1995 | 256 | 47 | 8,746 | 7,374 | 815 | 18,017 | 1,082 | 1,749 | 37,783 | 0 | – – | – – | – – | – – | 20,659 | – – | – – | – – |
| 2000 | 231 | 68 | 9,702 | 9,163 | 1,313 | 22,063 | 8 | 1,080 | 43,329 | 0 | – – | – – | – – | – – | 27,792 | – – | – – | – – |
| 2001 | 209 | 68 | 9,612 | 8,414 | 1,529 | 22,877 | 0 | 1,333 | 43,763 | 0 | – – | – – | – – | – – | 28,167 | – – | – – | – – |
| 2002 | 186 | 67 | 9,636 | 8,154 | 1,111 | 23,582 | 6 | 1,276 | 43,765 | 0 | – – | – – | – – | – – | 29,204 | – – | – – | – – |
| 2003 | 226 | 70 | 8,933 | 7,651 | 790 | 24,863 | 1 | 2,086 | 44,323 | 0 | – – | – – | – – | – – | 30,132 | – – | – – | – – |
| 2004 | 213 | 78 | 11,366 | 7,915 | 614 | 26,050 | (s) | 2,164 | 48,110 | 0 | – – | – – | – – | – – | 31,312 | – – | – – | – – |
| 2005 | 204 | 79 | 12,414 | 8,157 | 931 | 27,137 | (s) | 2,486 | 51,125 | 0 | – – | – – | – – | – – | 32,501 | – – | – – | – – |
| 2006 | 208 | 83 | 13,836 | 8,551 | 911 | 28,237 | 2 | 2,456 | 53,994 | 0 | – – | – – | – – | – – | 34,586 | – – | – – | – – |
| 2007 | 204 | 83 | 13,409 | 9,207 | 915 | 28,414 | 5 | 1,669 | 53,620 | 0 | – – | – – | – – | – – | 35,643 | – – | – – | – – |
| 2008 | 201 | 84 | 12,066 | 7,717 | 1,213 | 27,227 | 0 | 1,687 | 49,910 | 0 | – – | – – | – – | – – | 35,192 | – – | – – | – – |
| 2009 | 153 | 83 | 11,999 | 4,886 | 1,241 | 26,547 | 0 | 1,453 | 46,125 | 0 | – – | – – | – – | – – | 34,284 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 4.0 | 6.3 | 14.0 | 13.2 | 3.1 | 19.0 | 1.3 | 3.6 | 54.2 | (s) | 0.9 | NA | NA | NA | 7.4 | 72.9 | 18.3 | 91.2 |
| 1965 | 3.3 | 15.3 | 16.1 | 16.3 | 2.9 | 28.9 | 0.5 | 4.9 | 69.6 | (s) | 0.9 | NA | NA | NA | 12.2 | 101.3 | 29.0 | 130.3 |
| 1970 | 3.3 | 29.5 | 16.4 | 25.3 | 3.2 | 38.7 | 0.4 | 5.8 | 89.8 | (s) | 1.1 | NA | NA | NA | 19.4 | 143.1 | 47.0 | 190.1 |
| 1975 | 2.0 | 38.5 | 14.6 | 32.7 | 1.8 | 50.6 | 0.5 | 7.4 | 107.7 | 0.0 | 1.2 | NA | NA | NA | 26.1 | 175.5 | 62.6 | 238.1 |
| 1980 | 3.5 | 32.5 | 23.0 | 40.4 | 3.2 | 59.0 | 0.1 | 6.1 | 131.7 | 0.0 | 2.8 | NA | NA | NA | 35.5 | 206.0 | 85.3 | 291.3 |
| 1985 | 2.6 | 33.0 | 30.5 | 31.7 | 3.8 | 61.1 | 0.7 | 7.3 | 135.0 | 0.0 | 4.6 | 0.0 | NA | NA | 38.7 | 213.9 | 88.6 | 302.5 |
| 1990 | 4.0 | 41.8 | 39.2 | 34.0 | 5.2 | 78.5 | 0.1 | 8.5 | 165.5 | 0.0 | 2.9 | 0.0 | 0.8 | 0.1 | 55.8 | 271.0 | 128.0 | 399.1 |
| 1995 | 5.8 | 48.8 | 50.9 | 41.8 | 3.0 | 94.0 | 6.8 | 11.4 | 207.8 | 0.0 | 3.2 | 0.0 | 0.9 | 0.2 | 70.5 | 337.3 | 159.1 | 496.4 |
| 2000 | 5.4 | 70.2 | 56.5 | 52.0 | 4.7 | 114.9 | 0.1 | 6.9 | 235.1 | 0.0 | 4.5 | 0.0 | 1.1 | 0.5 | 94.8 | 411.6 | 214.5 | 626.0 |
| 2001 | 4.9 | 69.9 | 56.0 | 47.7 | 5.5 | 119.2 | 0.0 | 8.5 | 236.9 | 0.0 | 3.3 | 0.0 | 1.2 | 0.6 | 96.1 | 412.9 | 212.9 | 625.8 |
| 2002 | 4.3 | 69.2 | 56.1 | 46.2 | 4.0 | 122.8 | (s) | 8.1 | 237.4 | 0.0 | 3.1 | 0.0 | 1.2 | 0.6 | 99.6 | 415.5 | 220.8 | 636.3 |
| 2003 | 5.2 | 72.4 | 52.0 | 43.4 | 2.9 | 129.5 | (s) | 13.6 | 241.3 | 0.0 | 3.3 | 0.0 | 1.1 | 0.6 | 102.8 | 426.8 | 225.5 | 652.3 |
| 2004 | 4.9 | 80.6 | 66.2 | 44.9 | 2.2 | 135.9 | (s) | 14.1 | 263.3 | 0.0 | 3.4 | 0.0 | 1.2 | 0.7 | 106.8 | 460.8 | 235.0 | 695.7 |
| 2005 | 4.6 | 82.9 | 72.3 | 46.2 | 3.4 | 141.6 | (s) | 16.1 | 279.7 | 0.0 | 2.8 | 0.0 | 1.3 | 0.8 | 110.9 | 482.9 | 241.1 | 724.1 |
| 2006 | 4.7 | 85.8 | 80.6 | 48.5 | 3.3 | 147.3 | (s) | 15.9 | 295.6 | 0.0 | 2.5 | 0.0 | 1.3 | 1.0 | 118.0 | 508.9 | 253.7 | 762.6 |
| 2007 | 4.7 | 87.0 | 78.1 | 52.2 | 3.3 | 148.3 | (s) | 10.7 | 292.6 | 0.0 | 2.8 | 0.0 | 1.3 | 1.1 | 121.6 | 511.0 | 260.9 | 771.9 |
| 2008 | 4.4 | 86.7 | 70.3 | 43.8 | 4.4 | 142.1 | 0.0 | 10.8 | 271.3 | 0.0 | 2.9 | 0.0 | 1.4 | 1.3 | 120.1 | 488.0 | 257.0 | 745.0 |
| 2009 | 3.4 | 85.6 | 69.9 | 27.7 | 4.4 | 138.5 | 0.0 | 9.3 | 249.8 | 0.0 | 2.8 | 0.0 | 1.4 | 1.5 | 117.0 | 461.4 | 246.2 | 707.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 18 | 2 | 219 | 0 | 225 | 443 | 46 | – – | – – | 719 | – – | – – | – – |
| 1965 | 39 | 4 | 286 | 0 | 424 | 711 | 43 | – – | – – | 1,268 | – – | – – | – – |
| 1970 | 37 | 7 | 328 | 0 | 508 | 836 | 52 | – – | – – | 1,990 | – – | – – | – – |
| 1975 | 3 | 11 | 265 | 0 | 259 | 524 | 61 | – – | – – | 2,803 | – – | – – | – – |
| 1980 | 1 | 13 | 187 | 0 | 349 | 536 | 135 | – – | – – | 3,697 | – – | – – | – – |
| 1985 | (s) | 13 | 276 | 47 | 532 | 855 | 224 | – – | – – | 4,126 | – – | – – | – – |
| 1990 | 1 | 17 | 213 | 8 | 668 | 890 | 128 | – – | – – | 5,540 | – – | – – | – – |
| 1995 | (s) | 21 | 176 | 6 | 416 | 598 | 141 | – – | – – | 6,655 | – – | – – | – – |
| 1996 | (s) | 23 | 198 | 6 | 449 | 654 | 146 | – – | – – | 7,526 | – – | – – | – – |
| 1997 | (s) | 25 | 260 | 5 | 477 | 743 | 182 | – – | – – | 7,801 | – – | – – | – – |
| 1998 | (s) | 30 | 273 | 10 | 503 | 785 | 161 | – – | – – | 7,975 | – – | – – | – – |
| 1999 | (s) | 29 | 208 | 8 | 731 | 947 | 170 | – – | – – | 8,386 | – – | – – | – – |
| 2000 | 0 | 30 | 212 | 8 | 445 | 665 | 183 | – – | – – | 9,406 | – – | – – | – – |
| 2001 | (s) | 33 | 218 | 7 | 424 | 649 | 109 | – – | – – | 9,607 | – – | – – | – – |
| 2002 | (s) | 32 | 208 | 7 | 618 | 833 | 111 | – – | – – | 9,702 | – – | – – | – – |
| 2003 | (s) | 33 | 165 | 11 | 378 | 555 | 116 | – – | – – | 10,340 | – – | – – | – – |
| 2004 | (s) | 37 | 171 | 18 | 348 | 537 | 119 | – – | – – | 10,673 | – – | – – | – – |
| 2005 | (s) | 36 | 204 | 18 | 457 | 679 | R 97 | – – | – – | 11,080 | – – | – – | – – |
| 2006 | (s) | 38 | 157 | 16 | 490 | 663 | R 89 | – – | – – | 11,978 | – – | – – | – – |
| 2007 | (s) | 38 | 147 | 17 | 483 | 646 | R 98 | – – | – – | 12,390 | – – | – – | – – |
| 2008 | 0 | 39 | R 170 | 11 | 551 | R 732 | R 102 | – – | – – | 12,061 | – – | – – | – – |
| 2009 | 0 | 39 | 120 | 24 | 675 | 820 | 98 | – – | – – | 11,880 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.4 | 2.0 | 1.3 | 0.0 | 0.9 | 2.2 | 0.9 | NA | NA | 2.5 | 8.0 | 6.1 | 14.1 |
| 1965 | 1.0 | 4.4 | 1.7 | 0.0 | 1.7 | 3.4 | 0.9 | NA | NA | 4.3 | 13.9 | 10.3 | 24.3 |
| 1970 | 0.9 | 7.9 | 1.9 | 0.0 | 1.9 | 3.8 | 1.0 | NA | NA | 6.8 | 20.4 | 16.4 | 36.8 |
| 1975 | 0.1 | 11.8 | 1.5 | 0.0 | 1.0 | 2.5 | 1.2 | NA | NA | 9.6 | 25.2 | R 22.9 | R 48.1 |
| 1980 | (s) | 13.9 | 1.1 | 0.0 | 1.3 | 2.4 | 2.7 | NA | NA | 12.6 | 31.6 | R 30.3 | R 61.9 |
| 1985 | (s) | 13.4 | 1.6 | 0.3 | 1.9 | 3.8 | 4.5 | NA | NA | 14.1 | 35.7 | R 32.2 | R 68.0 |
| 1990 | (s) | 17.7 | 1.2 | (s) | 2.4 | 3.7 | 2.6 | 0.1 | 0.1 | 18.9 | 43.1 | R 43.4 | R 86.4 |
| 1995 | (s) | 21.4 | 1.0 | (s) | 1.5 | 2.6 | 2.8 | 0.1 | 0.2 | 22.7 | 49.8 | R 51.3 | R 101.0 |
| 1996 | (s) | 23.5 | 1.2 | (s) | 1.6 | 2.8 | 2.9 | 0.1 | 0.2 | 25.7 | 55.3 | R 58.0 | R 113.3 |
| 1997 | (s) | 25.9 | 1.5 | (s) | 1.7 | 3.3 | 3.6 | 0.1 | 0.3 | 26.6 | 59.9 | R 59.9 | R 119.8 |
| 1998 | (s) | 31.5 | 1.6 | 0.1 | 1.8 | 3.5 | 3.2 | 0.1 | 0.3 | 27.2 | 65.9 | R 61.3 | R 127.2 |
| 1999 | (s) | 29.4 | 1.2 | (s) | 2.6 | 3.9 | 3.4 | 0.2 | 0.4 | 28.6 | 65.9 | R 65.0 | R 130.9 |
| 2000 | 0.0 | 30.8 | 1.2 | (s) | 1.6 | 2.9 | 3.7 | 0.2 | 0.5 | 32.1 | 70.2 | R 72.6 | R 142.7 |
| 2001 | (s) | 33.4 | 1.3 | (s) | 1.5 | 2.8 | 2.2 | 0.2 | 0.6 | 32.8 | R 71.9 | R 72.6 | R 144.6 |
| 2002 | (s) | 33.0 | 1.2 | (s) | 2.2 | 3.5 | 2.2 | 0.2 | 0.6 | 33.1 | R 72.6 | R 73.4 | R 146.0 |
| 2003 | (s) | 34.0 | 1.0 | 0.1 | 1.4 | 2.4 | 2.3 | 0.2 | 0.6 | 35.3 | 74.9 | R 77.4 | R 152.3 |
| 2004 | (s) | 37.7 | 1.0 | 0.1 | 1.3 | 2.4 | 2.4 | 0.2 | 0.7 | 36.4 | R 79.7 | R 80.1 | R 159.8 |
| 2005 | (s) | 38.0 | 1.2 | 0.1 | 1.7 | 2.9 | R 1.9 | 0.2 | 0.8 | 37.8 | R 81.7 | R 82.2 | R 163.9 |
| 2006 | (s) | 39.4 | 0.9 | 0.1 | 1.8 | 2.8 | R 1.8 | 0.2 | 1.0 | 40.9 | R 86.0 | R 87.9 | R 173.8 |
| 2007 | (s) | 39.9 | 0.9 | 0.1 | 1.7 | 2.7 | R 2.0 | 0.2 | R 1.1 | 42.3 | R 88.2 | R 90.7 | R 178.9 |
| 2008 | 0.0 | 40.0 | 1.0 | 0.1 | 2.0 | 3.0 | R 2.0 | 0.3 | R 1.3 | 41.2 | R 87.8 | R 88.1 | R 175.8 |
| 2009 | 0.0 | 39.9 | 0.7 | 0.1 | 2.4 | 3.2 | 2.0 | 0.3 | 1.5 | 40.5 | 87.4 | 85.3 | 172.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | Hydro-electric Power [e,f] | Biomass | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Kerosene | LPG [b] | Motor Gasoline [c] | Residual Fuel Oil | Total [d] | | Wood and Waste [f,g] | | | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 12 | 1 | 107 | 0 | 99 | 29 | 86 | 321 | NA | – – | – – | 655 | – – | – – | – – |
| 1965 | 29 | 2 | 140 | 1 | 186 | 44 | 38 | 410 | NA | – – | – – | 1,235 | – – | – – | – – |
| 1970 | 29 | 10 | 161 | 10 | 223 | 49 | 29 | 472 | NA | – – | – – | 2,069 | – – | – – | – – |
| 1975 | 6 | 15 | 130 | 12 | 114 | 69 | 34 | 358 | NA | – – | – – | 2,876 | – – | – – | – – |
| 1980 | 3 | 10 | 353 | 0 | 153 | 61 | 7 | 574 | NA | – – | – – | 1,775 | – – | – – | – – |
| 1985 | 2 | 12 | 315 | 5 | 233 | 82 | 25 | 661 | NA | – – | – – | 3,408 | – – | – – | – – |
| 1990 | 2 | 15 | 311 | 4 | 293 | 84 | 2 | 694 | 0 | – – | – – | 4,550 | – – | – – | – – |
| 1995 | 1 | 19 | 832 | 1 | 183 | 13 | 0 | 1,028 | 0 | – – | – – | 5,509 | – – | – – | – – |
| 1996 | 1 | 20 | 987 | 2 | 197 | 13 | 0 | 1,199 | 0 | – – | – – | 5,973 | – – | – – | – – |
| 1997 | 1 | 22 | 282 | 1 | 209 | 13 | 1 | 505 | 0 | – – | – – | 6,383 | – – | – – | – – |
| 1998 | 1 | 23 | 309 | 2 | 221 | 13 | 4 | 548 | 0 | – – | – – | 6,544 | – – | – – | – – |
| 1999 | (s) | 23 | 364 | 3 | 321 | 13 | 7 | 708 | 0 | – – | – – | 7,007 | – – | – – | – – |
| 2000 | 0 | 26 | 401 | 2 | 195 | 13 | 8 | 620 | 0 | – – | – – | 7,147 | – – | – – | – – |
| 2001 | 1 | 23 | 336 | 2 | 186 | 16 | 0 | 539 | 0 | – – | – – | 7,321 | – – | – – | – – |
| 2002 | 1 | 23 | 357 | 1 | 271 | 18 | 0 | 647 | 0 | – – | – – | 8,130 | – – | – – | – – |
| 2003 | 1 | 24 | 272 | 2 | 111 | 16 | 0 | 400 | 0 | – – | – – | 8,168 | – – | – – | – – |
| 2004 | 1 | 27 | 372 | 2 | 89 | 16 | 0 | 478 | 0 | – – | – – | 8,275 | – – | – – | – – |
| 2005 | 1 | 27 | 494 | 3 | 301 | 16 | 0 | 813 | 0 | – – | – – | 8,516 | – – | – – | – – |
| 2006 | 2 | 28 | 521 | 6 | 241 | 17 | 0 | 784 | 0 | – – | – – | 8,975 | – – | – – | – – |
| 2007 | (s) | 28 | 306 | 6 | 249 | 17 | 5 | 582 | 0 | – – | – – | 9,352 | – – | – – | – – |
| 2008 | 0 | 29 | R 309 | 4 | 279 | 31 | 0 | R 622 | 0 | – – | – – | 9,304 | – – | – – | – – |
| 2009 | 0 | 30 | 254 | 11 | 234 | 17 | 0 | 515 | 0 | – – | – – | 8,950 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.3 | 0.9 | 0.6 | 0.0 | 0.4 | 0.2 | 0.5 | 1.7 | NA | (s) | NA | 2.2 | 5.2 | 5.5 | 10.7 |
| 1965 | 0.7 | 2.5 | 0.8 | (s) | 0.7 | 0.2 | 0.2 | 2.0 | NA | (s) | NA | 4.2 | 9.5 | 10.1 | 19.6 |
| 1970 | 0.7 | 10.4 | 0.9 | 0.1 | 0.8 | 0.3 | 0.2 | 2.3 | NA | (s) | NA | 7.1 | 20.5 | 17.1 | R 37.5 |
| 1975 | 0.1 | 16.0 | 0.8 | 0.1 | 0.4 | 0.4 | 0.2 | 1.8 | NA | (s) | NA | 9.8 | 27.8 | R 23.5 | R 51.3 |
| 1980 | 0.1 | 10.7 | 2.1 | 0.0 | 0.6 | 0.3 | (s) | 3.0 | NA | 0.1 | NA | 6.1 | 19.9 | R 14.5 | 34.5 |
| 1985 | (s) | 13.0 | 1.8 | (s) | 0.8 | 0.4 | 0.2 | 3.3 | NA | 0.1 | NA | 11.6 | 28.0 | R 26.6 | R 54.7 |
| 1990 | 0.1 | 15.5 | 1.8 | (s) | 1.1 | 0.4 | (s) | 3.4 | 0.0 | 0.3 | 0.4 | 15.5 | 35.1 | R 35.6 | R 70.8 |
| 1995 | (s) | 19.3 | 4.8 | (s) | 0.7 | 0.1 | 0.0 | 5.6 | 0.0 | 0.4 | 0.4 | 18.8 | 44.5 | R 42.4 | R 86.9 |
| 1996 | (s) | 21.2 | 5.8 | (s) | 0.7 | 0.1 | 0.0 | 6.5 | 0.0 | 0.4 | 0.4 | 20.4 | 49.0 | R 46.1 | R 95.1 |
| 1997 | (s) | 22.5 | 1.6 | (s) | 0.8 | 0.1 | (s) | 2.5 | 0.0 | 0.6 | 0.4 | 21.8 | 47.8 | R 49.0 | R 96.9 |
| 1998 | (s) | 24.4 | 1.8 | (s) | 0.8 | 0.1 | (s) | 2.7 | 0.0 | 0.5 | 0.5 | 22.3 | 50.5 | R 50.3 | R 100.8 |
| 1999 | (s) | 23.2 | 2.1 | (s) | 1.2 | 0.1 | (s) | 3.4 | 0.0 | 0.6 | 0.5 | 23.9 | 51.6 | R 54.4 | R 105.9 |
| 2000 | 0.0 | 26.4 | 2.3 | (s) | 0.7 | 0.1 | 0.1 | 3.2 | 0.0 | 0.6 | 0.5 | 24.4 | 55.0 | R 55.1 | R 110.2 |
| 2001 | (s) | 23.4 | 2.0 | (s) | 0.7 | 0.1 | 0.0 | 2.7 | 0.0 | 0.4 | 0.5 | 25.0 | 52.1 | R 55.3 | R 107.4 |
| 2002 | (s) | 23.4 | 2.1 | (s) | 1.0 | 0.1 | 0.0 | 3.2 | 0.0 | 0.4 | 0.5 | 27.7 | 55.3 | R 61.5 | R 116.8 |
| 2003 | (s) | 25.0 | 1.6 | (s) | 0.4 | 0.1 | 0.0 | 2.1 | 0.0 | 0.4 | 0.6 | 27.9 | 55.9 | R 61.1 | R 117.1 |
| 2004 | (s) | 27.7 | 2.2 | (s) | 0.3 | 0.1 | 0.0 | 2.6 | 0.0 | 0.4 | 0.6 | 28.2 | 59.6 | R 62.1 | R 121.7 |
| 2005 | (s) | 27.7 | 2.9 | (s) | 1.1 | 0.1 | 0.0 | 4.1 | 0.0 | R 0.3 | 0.7 | 29.1 | R 61.8 | R 63.2 | R 125.0 |
| 2006 | (s) | 29.1 | 3.0 | (s) | 0.9 | 0.1 | 0.0 | 4.0 | 0.0 | R 0.3 | 0.7 | 30.6 | R 64.7 | R 65.8 | R 130.6 |
| 2007 | (s) | 29.6 | 1.8 | (s) | 0.9 | 0.1 | (s) | 2.8 | 0.0 | R 0.3 | 0.6 | 31.9 | R 65.3 | R 68.4 | R 133.7 |
| 2008 | 0.0 | 29.9 | 1.8 | (s) | 1.0 | 0.2 | 0.0 | 3.0 | 0.0 | R 0.3 | 0.6 | 31.7 | R 65.5 | R 67.9 | R 133.5 |
| 2009 | 0.0 | 30.4 | 1.5 | 0.1 | 0.8 | 0.1 | 0.0 | 2.5 | 0.0 | 0.3 | 0.7 | 30.5 | 64.4 | 64.3 | 128.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 119 | 3 | 575 | 445 | 120 | 118 | 268 | 1,527 | (s) | – – | – – | – – | 793 | – – | – – | – – |
| 1965 | 61 | 8 | 740 | 101 | 131 | 40 | 406 | 1,419 | (s) | – – | – – | – – | 1,059 | – – | – – | – – |
| 1970 | 70 | 10 | 840 | 99 | 166 | 34 | 648 | 1,788 | (s) | – – | – – | – – | 1,635 | – – | – – | – – |
| 1975 | 77 | 10 | 705 | 107 | 115 | 44 | 881 | 1,852 | 0 | – – | – – | – – | 1,964 | – – | – – | – – |
| 1980 | 147 | 7 | 651 | 374 | 111 | 1 | 692 | 1,830 | 0 | – – | – – | – – | 4,936 | – – | – – | – – |
| 1985 | 110 | 6 | 1,497 | 247 | 131 | 88 | 904 | 2,867 | 0 | – – | – – | – – | 3,808 | – – | – – | – – |
| 1990 | 169 | 8 | 2,906 | 446 | 170 | 8 | 1,116 | 4,646 | 0 | – – | – – | – – | 6,263 | – – | – – | – – |
| 1995 | 255 | 7 | 3,452 | 197 | 201 | 1,082 | 1,597 | 6,529 | 0 | – – | – – | – – | 8,496 | – – | – – | – – |
| 1996 | 179 | 7 | 3,959 | 302 | 206 | 129 | 1,580 | 6,176 | 0 | – – | – – | – – | 9,075 | – – | – – | – – |
| 1997 | 185 | 8 | 4,058 | 147 | 299 | 206 | 593 | 5,303 | 0 | – – | – – | – – | 10,034 | – – | – – | – – |
| 1998 | 254 | 10 | 3,233 | 180 | 434 | 77 | 1,526 | 5,451 | 0 | – – | – – | – – | 10,518 | – – | – – | – – |
| 1999 | 304 | 12 | 2,740 | 326 | 134 | 19 | 948 | 4,166 | 0 | – – | – – | – – | 10,861 | – – | – – | – – |
| 2000 | 231 | 11 | 2,824 | 672 | 111 | 0 | 901 | 4,508 | 0 | – – | – – | – – | 11,239 | – – | – – | – – |
| 2001 | 208 | 11 | 2,530 | 775 | 456 | 0 | 1,156 | 4,916 | 0 | – – | – – | – – | 11,239 | – – | – – | – – |
| 2002 | 185 | 11 | 2,211 | 220 | 473 | 6 | 1,105 | 4,015 | 0 | – – | – – | – – | 11,373 | – – | – – | – – |
| 2003 | 225 | 11 | 1,610 | 244 | 503 | 1 | 1,926 | 4,284 | 0 | – – | – – | – – | 11,624 | – – | – – | – – |
| 2004 | 212 | 12 | 2,780 | 133 | 568 | (s) | 1,987 | 5,468 | 0 | – – | – – | – – | 12,364 | – – | – – | – – |
| 2005 | 203 | 14 | 3,171 | 84 | 614 | (s) | 2,254 | 6,124 | 0 | – – | – – | – – | 12,897 | – – | – – | – – |
| 2006 | 206 | 14 | 3,373 | 114 | 619 | 2 | R 2,225 | R 6,334 | 0 | – – | – – | – – | 13,625 | – – | – – | – – |
| 2007 | 204 | 13 | 3,576 | 119 | 313 | 0 | R 1,435 | R 5,443 | 0 | – – | – – | – – | 13,893 | – – | – – | – – |
| 2008 | 201 | 13 | R 3,219 | R 266 | 418 | 0 | R 1,457 | R 5,360 | 0 | – – | – – | – – | 13,820 | – – | – – | – – |
| 2009 | 153 | 11 | 3,688 | 259 | 398 | 0 | 1,239 | 5,584 | 0 | – – | – – | – – | 13,445 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 3.2 | 3.4 | 3.3 | 1.8 | 0.6 | 0.7 | 1.8 | 8.3 | (s) | 0.0 | NA | NA | 2.7 | 17.6 | 6.7 | 24.2 |
| 1965 | 1.6 | 8.4 | 4.3 | 0.4 | 0.7 | 0.3 | 2.7 | 8.3 | (s) | 0.0 | NA | NA | 3.6 | 21.9 | 8.6 | 30.5 |
| 1970 | 1.7 | 11.2 | 4.9 | 0.4 | 0.9 | 0.2 | 4.3 | 10.6 | (s) | 0.0 | NA | NA | 5.6 | 29.1 | 13.5 | 42.6 |
| 1975 | 1.8 | 10.7 | 4.1 | 0.4 | 0.6 | 0.3 | 5.8 | 11.2 | 0.0 | 0.0 | NA | NA | 6.7 | 30.4 | 16.1 | 46.5 |
| 1980 | 3.4 | 7.7 | 3.8 | 1.4 | 0.6 | (s) | 4.5 | 10.3 | 0.0 | 0.0 | NA | NA | 16.8 | 38.3 | R 40.5 | R 78.7 |
| 1985 | 2.6 | 6.6 | 8.7 | 0.9 | 0.7 | 0.6 | 6.0 | 16.8 | 0.0 | 0.0 | 0.0 | NA | 13.0 | 39.0 | R 29.8 | R 68.7 |
| 1990 | 3.9 | 7.7 | 16.9 | 1.6 | 0.9 | (s) | 7.4 | 26.9 | 0.0 | 0.0 | 0.0 | 0.2 | 21.4 | 60.1 | R 49.0 | R 109.2 |
| 1995 | 5.8 | 7.3 | 20.1 | 0.7 | 1.1 | 6.8 | 10.5 | 39.2 | 0.0 | 0.0 | 0.0 | 0.4 | 29.0 | 81.6 | R 65.4 | R 147.0 |
| 1996 | 4.0 | 7.7 | 23.1 | 1.1 | 1.1 | 0.8 | 10.4 | 36.4 | 0.0 | 0.2 | 0.0 | 0.3 | 31.0 | 79.7 | R 70.0 | R 149.7 |
| 1997 | 4.3 | 8.6 | 23.6 | 0.5 | 1.6 | 1.3 | 3.8 | 30.9 | 0.0 | 0.2 | 0.0 | 0.3 | 34.2 | 78.5 | R 77.1 | R 155.6 |
| 1998 | 5.9 | 10.5 | 18.8 | 0.7 | 2.3 | 0.5 | 10.0 | 32.3 | 0.0 | 0.2 | 0.0 | 0.2 | 35.9 | 85.0 | R 80.9 | R 165.8 |
| 1999 | 7.0 | 12.4 | 16.0 | 1.2 | 0.7 | 0.1 | 6.2 | 24.1 | 0.0 | 0.2 | 0.0 | 0.4 | 37.1 | 81.2 | R 84.2 | R 165.4 |
| 2000 | 5.4 | 11.7 | 16.4 | 2.4 | 0.6 | 0.0 | 5.9 | 25.3 | 0.0 | 0.2 | 0.0 | 0.4 | 38.3 | 81.4 | R 86.7 | R 168.1 |
| 2001 | 4.9 | 11.7 | 14.7 | 2.8 | 2.4 | 0.0 | 7.6 | 27.5 | 0.0 | 0.8 | 0.0 | 0.4 | 38.3 | 83.6 | R 85.0 | R 168.6 |
| 2002 | 4.3 | 11.4 | 12.9 | 0.8 | 2.5 | (s) | 7.2 | 23.4 | 0.0 | 0.5 | 0.0 | 0.4 | 38.8 | 78.8 | R 86.0 | R 164.8 |
| 2003 | 5.2 | 11.1 | 9.4 | 0.9 | 2.6 | (s) | 12.7 | 25.6 | 0.0 | 0.5 | 0.0 | 0.3 | 39.7 | 82.4 | R 87.0 | R 169.4 |
| 2004 | 4.9 | 12.1 | 16.2 | 0.5 | 3.0 | (s) | 13.1 | 32.8 | 0.0 | 0.6 | 0.0 | 0.3 | 42.2 | 92.8 | R 92.8 | R 185.6 |
| 2005 | 4.6 | 14.4 | 18.5 | 0.3 | 3.2 | (s) | 14.9 | 36.9 | 0.0 | 0.6 | 0.0 | 0.4 | 44.0 | 100.8 | R 95.7 | R 196.5 |
| 2006 | 4.7 | 14.1 | 19.6 | 0.4 | 3.2 | (s) | R 14.6 | R 38.0 | 0.0 | 0.5 | 0.0 | 0.4 | 46.5 | R 104.1 | R 99.9 | R 204.0 |
| 2007 | 4.7 | 13.9 | 20.8 | 0.4 | 1.6 | 0.0 | R 9.4 | R 32.3 | 0.0 | 0.5 | 0.0 | 0.4 | 47.4 | R 99.2 | R 101.7 | R 200.8 |
| 2008 | 4.4 | 13.3 | R 18.8 | 1.0 | 2.2 | 0.0 | R 9.5 | R 31.4 | 0.0 | 0.5 | 0.0 | 0.5 | 47.2 | R 97.3 | R 100.9 | R 198.2 |
| 2009 | 3.4 | 11.8 | 21.5 | 0.9 | 2.1 | 0.0 | 8.1 | 32.6 | 0.0 | 0.5 | 0.0 | 0.4 | 45.9 | 94.6 | 96.5 | 191.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 2 | 0 | 281 | 1,501 | 2,462 | 5 | 73 | 3,472 | 0 | 7,795 | 0 | – – | – – | – – |
| 1965 | (s) | 0 | 335 | 1,599 | 2,999 | 9 | 86 | 5,329 | 7 | 10,364 | 0 | – – | – – | – – |
| 1970 | (s) | 0 | 186 | 1,492 | 4,584 | 9 | 83 | 7,158 | 1 | 13,512 | 0 | – – | – – | – – |
| 1975 | (s) | 0 | 197 | 1,407 | 5,859 | 13 | 94 | 9,449 | 5 | 17,023 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 206 | 2,754 | 7,223 | 3 | 83 | 11,052 | 0 | 21,322 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 105 | 3,146 | 5,715 | 31 | 76 | 11,414 | 0 | 20,487 | 0 | – – | – – | – – |
| 1990 | 0 | 1 | 111 | 3,294 | 6,114 | 22 | 85 | 14,688 | 0 | 24,314 | 0 | – – | – – | – – |
| 1995 | 0 | 1 | 63 | 4,287 | 7,374 | 19 | 81 | 17,803 | 0 | 29,628 | 0 | – – | – – | – – |
| 1996 | 0 | 1 | 93 | 5,852 | 7,843 | 22 | 79 | 18,743 | 0 | 32,632 | 0 | – – | – – | – – |
| 1997 | 0 | 1 | 76 | 5,339 | 7,559 | 19 | 83 | 19,640 | 0 | 32,717 | 0 | – – | – – | – – |
| 1998 | 0 | 1 | 65 | 5,354 | 6,721 | 7 | 87 | 21,623 | 0 | 33,858 | 0 | – – | – – | – – |
| 1999 | 0 | 1 | 78 | 6,079 | 8,354 | (s) | 88 | 21,437 | 0 | 36,036 | 0 | – – | – – | – – |
| 2000 | 0 | 1 | 81 | 6,266 | 9,163 | 1 | 87 | 21,938 | 0 | 37,537 | 0 | – – | – – | – – |
| 2001 | 0 | 1 | 88 | 6,528 | 8,414 | 144 | 80 | 22,406 | 0 | 37,659 | 0 | – – | – – | – – |
| 2002 | 0 | 1 | 84 | 6,860 | 8,154 | 2 | 79 | 23,091 | 0 | 38,270 | 0 | – – | – – | – – |
| 2003 | 0 | 2 | 74 | 6,885 | 7,651 | 57 | 73 | 24,344 | 0 | 39,085 | 0 | – – | – – | – – |
| 2004 | 0 | 3 | 83 | 8,044 | 7,915 | 44 | 74 | 25,466 | 0 | 41,626 | 0 | – – | – – | – – |
| 2005 | 0 | 3 | 138 | 8,545 | 8,157 | 89 | 73 | 26,507 | 0 | 43,509 | 8 | – – | – – | – – |
| 2006 | 0 | 3 | 138 | 9,785 | 8,551 | 65 | 71 | 27,601 | 0 | 46,213 | 8 | – – | – – | – – |
| 2007 | 0 | 3 | 137 | 9,381 | 9,207 | 65 | 74 | 28,084 | (s) | 46,949 | 8 | – – | – – | – – |
| 2008 | 0 | 3 | 147 | R 8,367 | 7,717 | R 118 | 69 | 26,778 | 0 | R 43,196 | 8 | – – | – – | – – |
| 2009 | 0 | 3 | 118 | 7,937 | 4,886 | 73 | 62 | 26,131 | 0 | 39,205 | 8 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.1 | 0.0 | 1.4 | 8.7 | 13.2 | (s) | 0.4 | 18.2 | 0.0 | 42.1 | 0.0 | 42.1 | 0.0 | 42.1 |
| 1965 | (s) | 0.0 | 1.7 | 9.3 | 16.3 | (s) | 0.5 | 28.0 | (s) | 55.9 | 0.0 | 55.9 | 0.0 | 55.9 |
| 1970 | (s) | 0.0 | 0.9 | 8.7 | 25.3 | (s) | 0.5 | 37.6 | (s) | 73.1 | 0.0 | 73.1 | 0.0 | 73.1 |
| 1975 | (s) | 0.0 | 1.0 | 8.2 | 32.7 | (s) | 0.6 | 49.6 | (s) | 92.1 | 0.0 | 92.1 | 0.0 | 92.1 |
| 1980 | 0.0 | 0.2 | 1.0 | 16.0 | 40.4 | (s) | 0.5 | 58.1 | 0.0 | 116.0 | 0.0 | 116.2 | 0.0 | 116.2 |
| 1985 | 0.0 | 0.1 | 0.5 | 18.3 | 31.7 | 0.1 | 0.5 | 60.0 | 0.0 | 111.0 | 0.0 | 111.2 | 0.0 | 111.2 |
| 1990 | 0.0 | 0.8 | 0.6 | 19.2 | 34.0 | 0.1 | 0.5 | 77.2 | 0.0 | 131.5 | 0.0 | 132.7 | 0.0 | 132.7 |
| 1995 | 0.0 | 0.9 | 0.3 | 25.0 | 41.8 | 0.1 | 0.5 | 92.8 | 0.0 | 160.5 | 0.0 | 161.4 | 0.0 | 161.4 |
| 1996 | 0.0 | 0.9 | 0.5 | 34.1 | 44.5 | 0.1 | 0.5 | 97.8 | 0.0 | 177.3 | 0.0 | 178.3 | 0.0 | 178.3 |
| 1997 | 0.0 | 0.7 | 0.4 | 31.1 | 42.9 | 0.1 | 0.5 | 102.4 | 0.0 | 177.3 | 0.0 | 178.0 | 0.0 | 178.0 |
| 1998 | 0.0 | 1.1 | 0.3 | 31.2 | 38.1 | (s) | 0.5 | 112.7 | 0.0 | 182.9 | 0.0 | 184.0 | 0.0 | 184.0 |
| 1999 | 0.0 | 1.2 | 0.4 | 35.4 | 47.4 | (s) | 0.5 | 111.7 | 0.0 | 195.4 | 0.0 | 196.6 | 0.0 | 196.6 |
| 2000 | 0.0 | 1.3 | 0.4 | 36.5 | 52.0 | (s) | 0.5 | 114.3 | 0.0 | 203.7 | 0.0 | 205.0 | 0.0 | 205.0 |
| 2001 | 0.0 | 1.4 | 0.4 | 38.0 | 47.7 | 0.5 | 0.5 | 116.7 | 0.0 | 203.9 | 0.0 | 205.3 | 0.0 | 205.3 |
| 2002 | 0.0 | 1.4 | 0.4 | 40.0 | 46.2 | (s) | 0.5 | 120.3 | 0.0 | 207.4 | 0.0 | 208.7 | 0.0 | 208.7 |
| 2003 | 0.0 | 2.3 | 0.4 | 40.1 | 43.4 | 0.2 | 0.4 | 126.8 | 0.0 | 211.3 | 0.0 | 213.6 | 0.0 | 213.6 |
| 2004 | 0.0 | 3.0 | 0.4 | 46.9 | 44.9 | 0.2 | 0.4 | 132.8 | 0.0 | 225.6 | 0.0 | 228.6 | 0.0 | 228.6 |
| 2005 | 0.0 | 2.8 | 0.7 | 49.8 | 46.2 | 0.3 | 0.4 | 138.3 | 0.0 | 235.8 | (s) | 238.6 | 0.1 | 238.7 |
| 2006 | 0.0 | 3.3 | 0.7 | 57.0 | 48.5 | 0.2 | 0.4 | 144.0 | 0.0 | 250.9 | (s) | 254.2 | 0.1 | 254.3 |
| 2007 | 0.0 | 3.5 | 0.7 | 54.6 | 52.2 | 0.2 | 0.4 | 146.6 | (s) | 254.8 | (s) | 258.4 | 0.1 | 258.4 |
| 2008 | 0.0 | 3.6 | 0.7 | R 48.7 | 43.8 | 0.4 | 0.4 | 139.7 | 0.0 | R 233.8 | (s) | R 237.4 | 0.1 | R 237.5 |
| 2009 | 0.0 | 3.5 | 0.6 | 46.2 | 27.7 | 0.3 | 0.4 | 136.4 | 0.0 | 211.5 | (s) | 215.1 | 0.1 | 215.1 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Nevada

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 6 | 41 | 7 | 0 | 48 | 0 | 1,967 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 180 | 13 | 51 | 8 | 0 | 60 | 0 | 1,594 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 544 | 25 | 80 | 13 | 0 | 93 | 0 | 1,645 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 4,435 | 25 | 1,256 | 58 | 0 | 1,314 | 0 | 1,690 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 4,064 | 28 | 2,431 | 22 | 0 | 2,453 | 0 | 2,372 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 5,427 | 8 | 51 | 54 | 0 | 104 | 0 | 4,344 | – – | 0 | 0 | 0 | 29 | – – |
| 1990 | 7,270 | 24 | 444 | 91 | 0 | 535 | 0 | 1,735 | – – | 761 | 0 | 0 | 2 | – – |
| 1995 | 7,084 | 62 | 26 | 27 | 0 | 54 | 0 | 1,942 | – – | 1,554 | 0 | 0 | 0 | – – |
| 1996 | 7,424 | 71 | 147 | 35 | 0 | 182 | 0 | 2,164 | – – | 1,555 | 0 | 0 | 0 | – – |
| 1997 | 7,261 | 76 | 23 | 47 | 0 | 71 | 0 | 2,587 | – – | 1,596 | 0 | 0 | 0 | – – |
| 1998 | 7,961 | 84 | 64 | 38 | 0 | 103 | 0 | 3,166 | – – | 1,537 | 0 | 0 | 0 | – – |
| 1999 | 7,763 | 90 | 38 | 35 | 0 | 73 | 0 | 2,828 | – – | 1,415 | 0 | 0 | 0 | – – |
| 2000 | 8,634 | 121 | 72 | 48 | 0 | 119 | 0 | 2,429 | – – | 1,371 | 0 | 0 | 0 | – – |
| 2001 | 8,190 | 109 | 2,090 | 34 | 0 | 2,125 | 0 | 2,514 | – – | 1,200 | 0 | 0 | 0 | – – |
| 2002 | 7,885 | 110 | 13 | 36 | 0 | 49 | 0 | 2,268 | – – | 1,127 | 0 | 0 | 85 | – – |
| 2003 | 7,869 | 116 | 7 | 27 | 0 | 34 | 0 | 1,757 | – – | 1,066 | 0 | 0 | 221 | – – |
| 2004 | 8,502 | 137 | 148 | 22 | 0 | 170 | 0 | 1,615 | – – | 1,298 | 0 | 0 | 188 | – – |
| 2005 | 8,622 | 148 | 5 | 38 | 0 | 43 | 0 | 1,702 | – – | 1,263 | 0 | 0 | 245 | – – |
| 2006 | 3,488 | 167 | 11 | 26 | 0 | 37 | 0 | 2,058 | – – | 1,344 | 0 | 0 | 91 | – – |
| 2007 | 3,447 | 171 | 3 | 22 | 0 | 25 | 0 | 2,003 | – – | 1,253 | 44 | 0 | 300 | – – |
| 2008 | 3,878 | 181 | 0 | 28 | 0 | 28 | 0 | 1,751 | – – | 1,383 | 156 | 0 | 36 | – – |
| 2009 | 3,822 | 192 | 0 | 32 | 0 | 32 | 0 | 2,461 | – – | 1,633 | 174 | 0 | -35 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 6.6 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 21.2 | 0.0 | 0.0 | NA | NA | 0.0 | 28.0 |
| 1965 | 4.6 | 14.1 | 0.3 | (s) | 0.0 | 0.4 | 0.0 | 16.7 | 0.0 | 0.0 | NA | NA | 0.0 | 35.7 |
| 1970 | 14.0 | 27.4 | 0.5 | 0.1 | 0.0 | 0.6 | 0.0 | 17.3 | 0.0 | 0.0 | NA | NA | 0.0 | 59.2 |
| 1975 | 99.3 | 26.8 | 7.9 | 0.3 | 0.0 | 8.2 | 0.0 | 17.6 | 0.0 | 0.0 | NA | NA | 0.0 | 151.9 |
| 1980 | 89.7 | 29.5 | 15.3 | 0.1 | 0.0 | 15.4 | 0.0 | 24.6 | 0.0 | 0.0 | NA | NA | 0.0 | 159.3 |
| 1985 | 123.6 | 8.6 | 0.3 | 0.3 | 0.0 | 0.6 | 0.0 | 45.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 178.3 |
| 1990 | 161.3 | 25.1 | 2.8 | 0.5 | 0.0 | 3.3 | 0.0 | 18.0 | 0.0 | R 7.9 | 0.0 | 0.0 | (s) | R 215.7 |
| 1995 | 156.7 | 63.7 | 0.2 | 0.2 | 0.0 | 0.3 | 0.0 | 20.0 | 0.0 | R 16.0 | 0.0 | 0.0 | 0.0 | R 256.7 |
| 1996 | 165.4 | 73.5 | 0.9 | 0.2 | 0.0 | 1.1 | 0.0 | 22.4 | 0.0 | R 16.1 | 0.0 | 0.0 | 0.0 | R 278.5 |
| 1997 | 162.4 | 77.7 | 0.1 | 0.3 | 0.0 | 0.4 | 0.0 | 26.4 | 0.0 | R 16.3 | 0.0 | 0.0 | 0.0 | R 283.2 |
| 1998 | 178.3 | 87.1 | 0.4 | 0.2 | 0.0 | 0.6 | 0.0 | 32.3 | 0.0 | R 15.7 | 0.0 | 0.0 | 0.0 | R 314.0 |
| 1999 | 174.6 | 93.9 | 0.2 | 0.2 | 0.0 | 0.4 | 0.0 | 28.9 | 0.0 | R 14.5 | 0.0 | 0.0 | 0.0 | R 312.3 |
| 2000 | 194.0 | 123.9 | 0.5 | 0.3 | 0.0 | 0.7 | 0.0 | 24.8 | 0.0 | R 14.0 | 0.0 | 0.0 | 0.0 | R 357.4 |
| 2001 | 183.7 | 111.3 | 13.1 | 0.2 | 0.0 | 13.3 | 0.0 | 26.0 | 0.0 | R 12.4 | 0.0 | 0.0 | 0.0 | R 346.7 |
| 2002 | 160.5 | 111.8 | 0.1 | 0.2 | 0.0 | 0.3 | 0.0 | 23.1 | 0.0 | R 11.5 | 0.0 | 0.0 | 0.3 | R 307.4 |
| 2003 | 177.3 | 118.7 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 18.0 | 0.0 | R 10.9 | 0.0 | 0.0 | 0.8 | R 325.9 |
| 2004 | 188.7 | 141.1 | 0.9 | 0.1 | 0.0 | 1.1 | 0.0 | 16.2 | 0.0 | R 13.0 | 0.0 | 0.0 | 0.6 | R 360.7 |
| 2005 | 193.2 | 153.1 | (s) | 0.2 | 0.0 | 0.3 | 0.0 | 17.0 | 0.0 | R 12.6 | 0.0 | 0.0 | 0.8 | R 377.1 |
| 2006 | 79.5 | 171.8 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 20.4 | 0.0 | R 13.3 | 0.0 | 0.0 | 0.3 | R 285.5 |
| 2007 | 78.2 | 176.6 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 19.8 | 0.0 | R 12.4 | 0.4 | 0.0 | 1.0 | R 288.6 |
| 2008 | 84.2 | 188.2 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 17.3 | 0.0 | R 13.6 | 1.5 | 0.0 | 0.1 | R 305.1 |
| 2009 | 80.4 | 198.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 24.0 | (s) | 15.9 | 1.7 | 0.0 | -0.1 | 320.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 216 | 3 | 4,590 | 1,151 | 532 | 4,940 | 2,195 | 1,449 | 14,856 | 0 | 1,373 | NA |
| 1965 | 407 | 4 | 5,912 | 1,097 | 657 | 5,773 | 2,416 | 1,341 | 17,195 | 0 | 1,053 | NA |
| 1970 | 992 | 7 | 7,681 | 1,053 | 829 | 8,122 | 5,520 | 1,597 | 24,802 | 0 | 1,239 | NA |
| 1971 | 949 | 8 | 8,093 | 1,086 | 918 | 8,577 | 6,086 | 1,560 | 26,319 | 0 | 1,093 | NA |
| 1972 | 1,129 | 8 | 8,393 | 1,058 | 1,144 | 9,032 | 5,928 | 1,587 | 27,141 | 0 | 1,270 | NA |
| 1973 | 1,055 | 8 | 8,418 | 960 | 1,155 | 9,317 | 5,363 | 1,513 | 26,727 | 0 | 1,613 | NA |
| 1974 | 946 | 8 | 7,756 | 968 | 1,161 | 9,218 | 4,346 | 1,416 | 24,865 | 0 | 1,465 | NA |
| 1975 | 982 | 8 | 7,194 | 916 | 1,436 | 9,373 | 4,611 | 1,177 | 24,707 | 0 | 1,251 | NA |
| 1976 | 756 | 8 | 8,833 | 876 | 1,622 | 9,917 | 5,960 | 1,463 | 28,671 | 0 | 1,515 | NA |
| 1977 | 994 | 8 | 8,349 | 919 | 1,893 | 10,312 | 5,782 | 1,367 | 28,622 | 0 | 1,404 | NA |
| 1978 | 784 | 8 | 8,474 | 841 | 1,817 | 10,531 | 5,572 | 1,390 | 28,625 | 0 | 1,131 | NA |
| 1979 | 1,083 | 8 | 5,856 | 774 | 1,379 | 9,787 | 5,781 | 1,220 | 24,797 | 0 | 1,212 | NA |
| 1980 | 1,093 | 9 | 5,820 | 777 | 1,280 | 9,382 | 5,692 | 1,150 | 24,103 | 0 | 1,027 | NA |
| 1981 | 900 | 10 | 5,301 | 585 | 1,216 | 9,256 | 4,919 | 873 | 22,150 | 0 | 1,361 | 3 |
| 1982 | 1,028 | 10 | 5,072 | 637 | 1,318 | 9,151 | 3,837 | 867 | 20,882 | 0 | 1,250 | 0 |
| 1983 | 1,091 | 10 | 4,516 | 574 | 1,325 | 9,405 | 3,843 | 863 | 20,526 | 0 | 1,353 | 0 |
| 1984 | 1,263 | 11 | 5,308 | 820 | 1,207 | 10,035 | 4,997 | 1,763 | 24,131 | 0 | 1,255 | 0 |
| 1985 | 1,481 | 11 | 5,754 | 521 | 1,586 | 10,340 | 3,442 | 2,009 | 23,652 | 0 | 1,131 | 0 |
| 1986 | 933 | 10 | 6,280 | 620 | 1,680 | 11,130 | 7,082 | 1,174 | 27,966 | 0 | 1,260 | 0 |
| 1987 | 1,176 | 12 | 8,445 | 644 | 2,056 | 11,846 | 5,499 | 1,492 | 29,982 | 0 | 1,051 | 0 |
| 1988 | 1,229 | 13 | 7,590 | 725 | 2,084 | 12,320 | 6,351 | 1,179 | 30,249 | 0 | 1,123 | 0 |
| 1989 | 1,183 | 14 | 8,191 | 759 | 2,470 | 12,285 | 6,176 | 1,533 | 31,413 | 0 | 1,341 | 0 |
| 1990 | 1,186 | 14 | 7,236 | 647 | 2,122 | 11,778 | 5,235 | 1,716 | 28,733 | 4,081 | 1,881 | 0 |
| 1991 | 1,315 | 14 | 7,159 | 468 | 1,652 | 12,135 | 3,998 | 1,205 | 26,617 | 6,788 | 1,585 | 0 |
| 1992 | 1,311 | 17 | 7,454 | 378 | 1,761 | 12,111 | 3,746 | 1,306 | 26,757 | 7,869 | 1,394 | 0 |
| 1993 | 1,428 | 17 | 7,035 | 388 | 2,163 | 12,494 | 4,081 | 965 | 27,127 | 9,047 | 1,411 | 0 |
| 1994 | 1,287 | 20 | 7,433 | 342 | 2,221 | 12,811 | 4,172 | 966 | 27,945 | 6,204 | 1,461 | 0 |
| 1995 | 1,355 | 20 | 7,534 | 333 | 2,285 | 13,495 | 3,295 | 989 | 27,932 | 8,379 | 1,370 | 0 |
| 1996 | 1,377 | 19 | 7,808 | 360 | 2,466 | 13,939 | 2,891 | 3,580 | 31,045 | 9,845 | 1,919 | 0 |
| 1997 | 1,705 | 21 | 7,802 | 408 | 2,183 | 14,666 | 3,115 | 3,708 | 31,882 | 7,979 | 1,622 | 0 |
| 1998 | 1,469 | 19 | 8,335 | 610 | 2,447 | 15,086 | 3,339 | 3,686 | 33,503 | 8,387 | 1,597 | 0 |
| 1999 | 1,344 | 20 | 8,835 | 820 | 2,407 | 15,659 | 3,347 | 3,432 | 34,498 | 8,676 | 1,411 | 0 |
| 2000 | 1,677 | 25 | 9,403 | 977 | 2,773 | 15,952 | 1,425 | 3,508 | 34,037 | 7,922 | 1,427 | 0 |
| 2001 | 1,537 | 23 | 9,340 | 880 | 2,449 | 16,102 | 1,496 | 845 | 31,112 | 8,693 | 991 | 0 |
| 2002 | 1,531 | 25 | 10,257 | 839 | 2,344 | 16,737 | 1,713 | 901 | 32,791 | 9,295 | 1,141 | 0 |
| 2003 | 1,597 | 54 | 10,100 | 942 | 3,136 | 16,893 | 3,993 | 1,532 | 36,597 | 9,276 | 1,331 | 0 |
| 2004 | 1,662 | 61 | 10,914 | 904 | 2,875 | 17,074 | 4,341 | 1,608 | 37,717 | 10,178 | 1,316 | 0 |
| 2005 | 1,727 | 70 | 9,785 | 452 | 2,891 | 16,908 | 3,466 | 1,878 | 35,381 | 9,456 | 1,799 | 341 |
| 2006 | 1,638 | 63 | 8,837 | 162 | 3,015 | 17,326 | 1,474 | R 1,312 | R 32,126 | 9,398 | 1,529 | 831 |
| 2007 | 1,629 | 62 | 8,226 | 152 | 3,308 | 17,708 | 1,388 | R 1,259 | R 32,041 | 10,764 | 1,265 | 1,033 |
| 2008 | 1,481 | 71 | R 8,378 | 152 | 3,876 | 17,400 | 945 | R 1,317 | R 32,069 | 9,350 | 1,633 | 1,068 |
| 2009 | 1,208 | 60 | 7,673 | 338 | 3,640 | 17,245 | 978 | 1,189 | 31,062 | 8,817 | 1,680 | 1,298 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 5.4 | 3.0 | 26.7 | 6.2 | 2.1 | 25.9 | 13.8 | 8.7 | 83.5 | 91.8 | *3.0* | *25.9* |
| 1965 | 11.2 | 4.1 | 34.4 | 5.9 | 2.6 | 30.3 | 15.2 | 8.0 | 96.5 | 111.8 | *4.1* | *30.3* |
| 1970 | 27.1 | 6.8 | 44.7 | 5.7 | 3.1 | 42.7 | 34.7 | 9.6 | 140.5 | 174.4 | *6.8* | *42.7* |
| 1971 | 25.5 | 7.7 | 47.1 | 5.8 | 3.5 | 45.1 | 38.3 | 9.4 | 149.2 | 182.3 | *7.7* | *45.1* |
| 1972 | 30.6 | 8.0 | 48.9 | 5.7 | 4.3 | 47.4 | 37.3 | 9.7 | 153.3 | 191.9 | *8.0* | *47.4* |
| 1973 | 28.3 | 8.1 | 49.0 | 5.2 | 4.3 | 48.9 | 33.7 | 9.4 | 150.6 | 187.0 | *8.1* | *48.9* |
| 1974 | 25.3 | 8.4 | 45.2 | 5.2 | 4.3 | 48.4 | 27.3 | 8.6 | 139.1 | 172.8 | *8.4* | *48.4* |
| 1975 | 26.2 | 7.7 | 41.9 | 4.9 | 5.3 | 49.2 | 29.0 | 7.1 | 137.5 | 171.4 | *7.7* | *49.2* |
| 1976 | 20.3 | 7.9 | 51.4 | 4.7 | 6.0 | 52.1 | 37.5 | 8.8 | 160.6 | 188.8 | *7.9* | *52.1* |
| 1977 | 26.5 | 7.6 | 48.6 | 4.9 | 7.0 | 54.2 | 36.3 | 8.2 | 159.3 | 193.4 | *7.6* | *54.2* |
| 1978 | 20.4 | 8.2 | 49.4 | 4.5 | 6.7 | 55.3 | 35.0 | 8.4 | 159.3 | 187.9 | *8.2* | *55.3* |
| 1979 | 29.1 | 8.7 | 34.1 | 4.2 | 5.1 | 51.4 | 36.3 | 7.4 | 138.5 | 176.3 | *8.7* | *51.4* |
| 1980 | 29.3 | 8.9 | 33.9 | 4.2 | 4.7 | 49.3 | 35.8 | 6.8 | 134.6 | 172.8 | *9.7* | *49.3* |
| 1981 | 24.2 | 9.7 | 30.9 | 3.1 | 4.4 | 48.6 | 30.9 | 5.3 | 123.3 | 157.2 | *10.4* | *48.6* |
| 1982 | 27.6 | 9.7 | 29.5 | 3.4 | 4.8 | 48.1 | 24.1 | 5.3 | 115.2 | 152.5 | *10.3* | *48.1* |
| 1983 | 29.4 | 9.5 | 26.3 | 3.1 | 4.8 | 49.4 | 24.2 | 5.3 | 113.0 | 151.9 | *9.9* | *49.4* |
| 1984 | 34.1 | 10.1 | 30.9 | 4.5 | 4.3 | 52.7 | 31.4 | 10.9 | 134.8 | 179.0 | *10.8* | *52.7* |
| 1985 | 39.7 | 10.4 | 33.5 | 2.8 | 5.7 | 54.3 | 21.6 | 12.2 | 130.2 | 180.3 | *10.9* | *54.3* |
| 1986 | 25.1 | 10.2 | 36.6 | 3.3 | 6.1 | 58.5 | 44.5 | 7.2 | 156.2 | 191.5 | *10.6* | *58.5* |
| 1987 | 31.6 | 11.8 | 49.2 | 3.5 | 7.5 | 62.2 | 34.6 | 9.2 | 166.2 | 209.6 | *12.3* | *62.2* |
| 1988 | 32.8 | 12.8 | 44.2 | 3.9 | 7.6 | 64.7 | 39.9 | 7.1 | 167.5 | 213.1 | *13.3* | *64.7* |
| 1989 | 31.5 | 13.6 | 47.7 | 4.1 | 9.1 | 64.5 | 38.8 | 9.4 | 173.7 | 218.8 | *14.2* | *64.5* |
| 1990 | 31.5 | 14.3 | 42.2 | 3.6 | 7.7 | 61.9 | 32.9 | 10.9 | 159.1 | 204.9 | *14.5* | *61.9* |
| 1991 | 34.8 | 14.1 | 41.7 | 2.6 | 6.0 | 63.7 | 25.1 | 7.5 | 146.6 | 195.5 | *14.2* | *63.7* |
| 1992 | 34.7 | 16.9 | 43.4 | 2.1 | 6.4 | 63.6 | 23.6 | 8.2 | 147.2 | 198.8 | *17.0* | *63.6* |
| 1993 | 37.5 | 16.9 | 41.0 | 2.2 | 7.8 | 65.6 | 25.7 | 5.8 | 148.0 | 202.4 | *17.1* | *65.6* |
| 1994 | 33.6 | 19.8 | 43.3 | 1.9 | 8.1 | 67.0 | 26.2 | 5.8 | 152.3 | 205.7 | *20.0* | *67.0* |
| 1995 | 35.6 | 20.0 | 43.9 | 1.9 | 8.3 | 70.4 | 20.7 | 5.9 | 151.1 | 206.7 | *20.1* | *70.4* |
| 1996 | 36.1 | 19.3 | 45.5 | 2.0 | 8.9 | 72.7 | 18.2 | 20.2 | 167.5 | 222.9 | *19.4* | *72.7* |
| 1997 | 44.5 | 21.1 | 45.4 | 2.3 | 7.9 | 76.5 | 19.6 | 20.7 | 172.4 | 238.1 | *21.2* | *76.5* |
| 1998 | 38.6 | 19.2 | 48.6 | 3.5 | 8.8 | 78.6 | 21.0 | 20.5 | 181.0 | 238.8 | *19.3* | *78.6* |
| 1999 | 35.4 | 20.4 | 51.5 | 4.6 | 8.7 | 81.6 | 21.0 | 19.0 | 186.4 | 242.2 | *20.5* | *81.6* |
| 2000 | 44.0 | 26.2 | 54.8 | 5.5 | 10.0 | 83.1 | 9.0 | 19.4 | 181.8 | 252.0 | *26.4* | *83.1* |
| 2001 | 40.1 | 24.8 | 54.4 | 5.0 | 8.9 | 83.9 | 9.4 | 5.0 | 166.5 | 231.4 | *24.8* | *83.9* |
| 2002 | 39.8 | 26.1 | 59.7 | 4.8 | 8.5 | 87.2 | 10.8 | 5.5 | 176.4 | 242.3 | *26.1* | *87.2* |
| 2003 | 41.6 | 56.4 | 58.8 | 5.3 | 11.4 | 88.0 | 25.1 | 9.5 | 198.2 | 296.2 | *56.5* | *88.0* |
| 2004 | 43.4 | 63.8 | 63.6 | 5.1 | 10.4 | 89.0 | 27.3 | 9.9 | 205.4 | 312.6 | *63.9* | *89.0* |
| 2005 | 44.2 | 72.9 | 57.0 | 2.6 | 10.5 | 87.0 | 21.8 | 11.6 | 190.5 | 307.6 | *73.0* | *88.2* |
| 2006 | 44.8 | 64.6 | 51.5 | 0.9 | 10.9 | R 87.5 | 9.3 | R 8.1 | R 168.1 | R 277.6 | *64.7* | *90.4* |
| 2007 | 44.9 | 64.6 | 47.9 | 0.9 | 11.9 | R 88.8 | 8.7 | 7.8 | R 166.1 | R 275.6 | *64.6* | *92.4* |
| 2008 | 40.2 | R 74.0 | R 48.8 | 0.9 | 14.0 | R 87.1 | 5.9 | 8.4 | R 165.1 | R 279.3 | R *74.0* | *90.8* |
| 2009 | 32.8 | 62.0 | 44.7 | 1.9 | 12.9 | 85.5 | 6.1 | 7.5 | 158.8 | 253.6 | *62.0* | *90.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 14.8 | 10.9 | NA | NA | 10.9 | 0.0 | NA | NA | 25.6 | -5.2 | 0.0 | 112.3 |
| 1965 | 0.0 | 11.0 | 11.0 | NA | NA | 11.0 | 0.0 | NA | NA | 22.0 | -2.4 | 0.0 | 131.4 |
| 1970 | 0.0 | 13.0 | 12.3 | NA | NA | 12.3 | 0.0 | NA | NA | 25.3 | -12.5 | 0.0 | 187.2 |
| 1971 | 0.0 | 11.5 | 13.3 | NA | NA | 13.3 | 0.0 | NA | NA | 24.7 | -5.9 | 0.0 | 201.1 |
| 1972 | 0.0 | 13.2 | 13.0 | NA | NA | 13.0 | 0.0 | NA | NA | 26.1 | R -5.7 | 0.0 | 212.4 |
| 1973 | 0.0 | 16.8 | 13.9 | NA | NA | 13.9 | 0.0 | NA | NA | 30.7 | R -1.0 | 0.0 | R 216.7 |
| 1974 | 0.0 | 15.3 | 13.4 | NA | NA | 13.4 | 0.0 | NA | NA | 28.7 | R 5.1 | 0.0 | R 206.6 |
| 1975 | 0.0 | 13.0 | 12.8 | NA | NA | 12.8 | 0.0 | NA | NA | 25.9 | R 4.7 | 0.0 | R 202.0 |
| 1976 | 0.0 | 15.7 | 15.3 | NA | NA | 15.3 | 0.0 | NA | NA | 31.0 | R 7.7 | 0.0 | R 227.5 |
| 1977 | 0.0 | 14.7 | 16.6 | NA | NA | 16.6 | 0.0 | NA | NA | 31.3 | R 6.5 | 0.0 | R 231.1 |
| 1978 | 0.0 | 11.7 | 19.3 | NA | NA | 19.3 | 0.0 | NA | NA | 31.0 | R 15.1 | 0.0 | R 234.0 |
| 1979 | 0.0 | 12.5 | 21.0 | NA | NA | 21.0 | 0.0 | NA | NA | 33.5 | R 1.9 | 0.0 | R 211.8 |
| 1980 | 0.0 | 10.7 | 21.7 | NA | NA | 21.7 | 0.0 | NA | NA | 32.4 | R 4.1 | 0.0 | R 209.3 |
| 1981 | 0.0 | 14.2 | 21.8 | (s) | 0.0 | 21.8 | 0.0 | NA | NA | 36.1 | R 7.5 | 0.0 | R 200.8 |
| 1982 | 0.0 | 13.1 | 20.7 | 0.0 | 0.0 | 20.7 | 0.0 | NA | NA | 33.8 | R 15.4 | 0.0 | R 201.7 |
| 1983 | 0.0 | 14.2 | 24.0 | 0.0 | 0.0 | 24.0 | 0.0 | NA | 0.0 | 38.2 | R 14.6 | 0.0 | R 204.8 |
| 1984 | 0.0 | 13.1 | 21.9 | 0.0 | 0.0 | 21.9 | 0.0 | 0.0 | 0.0 | 35.0 | R 10.5 | 0.0 | R 224.5 |
| 1985 | 0.0 | 11.8 | 22.0 | 0.0 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | 33.8 | R 16.5 | 3.0 | R 233.7 |
| 1986 | 0.0 | 13.2 | 25.6 | 0.0 | 0.0 | 25.6 | 0.0 | 0.0 | 0.0 | 38.7 | R 19.4 | 2.8 | R 252.4 |
| 1987 | 0.0 | 11.0 | 24.0 | 0.0 | 0.0 | 24.0 | 0.0 | 0.0 | 0.0 | 35.0 | R 25.0 | 3.8 | R 273.4 |
| 1988 | 0.0 | 11.6 | 25.0 | 0.0 | 0.0 | 25.0 | 0.0 | 0.0 | 0.0 | 36.5 | R 21.5 | 2.5 | R 273.6 |
| 1989 | 0.0 | 14.0 | 26.6 | 0.0 | 0.0 | 26.6 | 0.0 | (s) | 0.0 | 40.6 | R 12.8 | 0.6 | R 272.8 |
| 1990 | 43.2 | 19.6 | 27.2 | 0.0 | 0.0 | 27.2 | 0.0 | (s) | 0.0 | 46.8 | R -31.2 | 0.1 | R 263.7 |
| 1991 | 71.2 | 16.5 | 24.3 | 0.0 | 0.0 | 24.3 | 0.0 | (s) | 0.0 | 40.9 | R -55.1 | 1.8 | R 254.2 |
| 1992 | 82.4 | 14.4 | 27.8 | 0.0 | 0.0 | 27.8 | 0.0 | (s) | 0.0 | 42.2 | R -62.3 | 3.1 | R 264.2 |
| 1993 | 95.0 | 14.5 | 27.9 | 0.0 | 0.0 | 27.9 | 0.0 | (s) | 0.0 | 42.4 | R -79.8 | 3.7 | R 263.8 |
| 1994 | 64.8 | 15.1 | 25.3 | 0.0 | 0.0 | 25.3 | 0.0 | (s) | 0.0 | 40.4 | R -48.1 | 4.0 | R 266.9 |
| 1995 | 88.0 | 14.1 | 25.3 | 0.0 | 0.0 | 25.3 | 0.0 | (s) | 0.0 | 39.5 | R -67.4 | 4.4 | R 271.2 |
| 1996 | 103.4 | 19.8 | 27.7 | 0.0 | 0.0 | 27.7 | 0.0 | (s) | 0.0 | 47.6 | R -83.4 | 4.5 | R 295.1 |
| 1997 | 83.7 | 16.6 | 25.7 | 0.0 | 0.0 | 25.7 | 0.0 | (s) | 0.0 | 42.3 | R -73.1 | 5.8 | R 296.8 |
| 1998 | 88.0 | 16.3 | 24.3 | 0.0 | 0.0 | 24.3 | 0.0 | (s) | 0.0 | 40.6 | R -73.2 | 6.0 | R 300.2 |
| 1999 | 90.7 | 14.4 | 24.5 | 0.0 | 0.0 | 24.5 | (s) | (s) | 0.0 | 39.0 | R -66.6 | 6.6 | R 311.9 |
| 2000 | 82.6 | 14.6 | 24.1 | 0.0 | 0.0 | 24.1 | (s) | (s) | 0.0 | 38.7 | R -52.0 | 5.4 | R 326.7 |
| 2001 | 90.8 | 10.2 | 19.9 | 0.0 | 0.0 | 19.9 | (s) | (s) | 0.0 | 30.2 | R -48.9 | 2.6 | R 306.1 |
| 2002 | 97.1 | 11.6 | 17.3 | 0.0 | 0.0 | 17.3 | (s) | (s) | 0.0 | 28.9 | R -56.3 | 1.1 | R 313.1 |
| 2003 | 96.7 | 13.6 | 16.3 | 0.0 | 0.0 | 16.3 | (s) | (s) | 0.0 | 30.0 | R -95.0 | 0.5 | R 328.3 |
| 2004 | 106.1 | 13.2 | 21.7 | 0.0 | 0.0 | 21.7 | (s) | (s) | 0.0 | 34.9 | R -116.2 | 1.4 | R 338.9 |
| 2005 | 98.7 | 18.0 | R 23.2 | 1.2 | 0.0 | R 24.4 | (s) | (s) | 0.0 | R 42.5 | R -114.9 | 1.7 | R 335.6 |
| 2006 | 98.1 | 15.2 | R 18.0 | 2.9 | 0.0 | R 20.8 | (s) | 0.1 | 0.0 | R 36.1 | R -100.1 | 1.6 | R 313.2 |
| 2007 | 112.9 | 12.5 | R 22.3 | 3.6 | 0.0 | R 25.9 | (s) | 0.1 | 0.0 | R 38.5 | R -113.4 | 2.1 | R 315.6 |
| 2008 | 97.7 | 16.1 | R 23.5 | 3.7 | 0.0 | R 27.2 | (s) | 0.1 | 0.1 | R 43.5 | R -109.7 | R 2.9 | R 313.8 |
| 2009 | 92.2 | 16.4 | 22.8 | 4.5 | 0.0 | 27.3 | (s) | 0.1 | 0.6 | 44.5 | -90.8 | 3.5 | 303.0 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 123 | 3 | 4,488 | 1,151 | 532 | 4,940 | 794 | 1,449 | 13,353 | 239 | – – | – – | – – | – – | 1,586 | – – | – – | – – |
| 1965 | 49 | 4 | 5,814 | 1,097 | 657 | 5,773 | 1,072 | 1,341 | 15,754 | 170 | – – | – – | – – | – – | 2,237 | – – | – – | – – |
| 1970 | 17 | 7 | 7,497 | 1,053 | 829 | 8,122 | 2,982 | 1,597 | 22,081 | 184 | – – | – – | – – | – – | 3,627 | – – | – – | – – |
| 1975 | 10 | 7 | 7,180 | 903 | 1,436 | 9,373 | 2,332 | 1,177 | 22,401 | 178 | – – | – – | – – | – – | 4,870 | – – | – – | – – |
| 1980 | 13 | 9 | 5,808 | 771 | 1,280 | 9,382 | 1,344 | 1,150 | 19,736 | 155 | – – | – – | – – | – – | 5,994 | – – | – – | – – |
| 1985 | 48 | 11 | 5,723 | 521 | 1,586 | 10,340 | 1,110 | 2,009 | 21,289 | 155 | – – | – – | – – | – – | 7,407 | – – | – – | – – |
| 1990 | 40 | 14 | 7,197 | 647 | 2,122 | 11,778 | 1,251 | 1,716 | 24,711 | 175 | – – | – – | – – | – – | 8,980 | – – | – – | – – |
| 1995 | 9 | 18 | 7,483 | 333 | 2,285 | 13,495 | 1,527 | 989 | 26,113 | 169 | – – | – – | – – | – – | 9,007 | – – | – – | – – |
| 2000 | 4 | 24 | 9,373 | 977 | 2,773 | 15,952 | 671 | 3,508 | 33,253 | 183 | – – | – – | – – | – – | 10,159 | – – | – – | – – |
| 2001 | 4 | 23 | 9,302 | 880 | 2,449 | 16,102 | 702 | 845 | 30,280 | 93 | – – | – – | – – | – – | 10,316 | – – | – – | – – |
| 2002 | 4 | 24 | 10,200 | 839 | 2,344 | 16,737 | 617 | 901 | 31,638 | 53 | – – | – – | – – | – – | 10,383 | – – | – – | – – |
| 2003 | 2 | 26 | 10,034 | 942 | 3,136 | 16,893 | 538 | 1,532 | 33,075 | 162 | – – | – – | – – | – – | 10,973 | – – | – – | – – |
| 2004 | 2 | 23 | 10,743 | 904 | 2,875 | 17,074 | 1,243 | 1,608 | 34,447 | 6 | – – | – – | – – | – – | 10,973 | – – | – – | – – |
| 2005 | 4 | 25 | 9,650 | 452 | 2,891 | 16,908 | 1,394 | 1,878 | 33,174 | 8 | – – | – – | – – | – – | 11,245 | – – | – – | – – |
| 2006 | 4 | 21 | 8,581 | 162 | 3,015 | 17,326 | 1,051 | 1,312 | 31,446 | 5 | – – | – – | – – | – – | 11,094 | – – | – – | – – |
| 2007 | 3 | 23 | 8,143 | 152 | 3,308 | 17,708 | 850 | 1,259 | 31,419 | 4 | – – | – – | – – | – – | 11,236 | – – | – – | – – |
| 2008 | 0 | 22 | 8,353 | 152 | 3,876 | 17,400 | 731 | 1,317 | 31,829 | 8 | – – | – – | – – | – – | 10,977 | – – | – – | – – |
| 2009 | 0 | 22 | 7,649 | 338 | 3,640 | 17,245 | 696 | 1,189 | 30,757 | 9 | – – | – – | – – | – – | 10,698 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 3.0 | 3.0 | 26.1 | 6.2 | 2.1 | 25.9 | 5.0 | 8.7 | 74.1 | 2.6 | 10.9 | NA | NA | NA | 5.4 | 98.9 | 13.4 | 112.3 |
| 1965 | 1.2 | 4.1 | 33.9 | 5.9 | 2.6 | 30.3 | 6.7 | 8.0 | 87.5 | 1.8 | 11.0 | NA | NA | NA | 7.6 | 113.2 | 18.2 | 131.4 |
| 1970 | 0.4 | 6.8 | 43.7 | 5.7 | 3.1 | 42.7 | 18.7 | 9.6 | 123.4 | 1.9 | 12.3 | NA | NA | NA | 12.4 | 157.2 | 29.9 | 187.2 |
| 1975 | 0.2 | 7.5 | 41.8 | 4.8 | 5.3 | 49.2 | 14.7 | 7.1 | 123.0 | 1.9 | 12.8 | NA | NA | NA | 16.6 | 162.1 | 39.9 | 202.0 |
| 1980 | 0.3 | 9.7 | 33.8 | 4.1 | 4.7 | 49.3 | 8.5 | 6.8 | 107.2 | 1.6 | 21.7 | NA | NA | NA | 20.5 | 160.2 | 49.1 | 209.3 |
| 1985 | 1.2 | 10.9 | 33.3 | 2.8 | 5.7 | 54.3 | 7.0 | 12.2 | 115.4 | 1.6 | 22.0 | 0.0 | NA | NA | 25.3 | 175.8 | 57.9 | 233.7 |
| 1990 | 1.0 | 14.5 | 41.9 | 3.6 | 7.7 | 61.9 | 7.9 | 10.9 | 133.8 | 1.8 | 11.9 | 0.0 | 0.0 | (s) | 30.6 | 193.4 | 70.3 | 263.7 |
| 1995 | 0.2 | 17.8 | 43.6 | 1.9 | 8.3 | 70.4 | 9.6 | 5.9 | 139.7 | 1.7 | 11.6 | 0.0 | 0.0 | (s) | 30.7 | 201.8 | 69.4 | 271.2 |
| 2000 | 0.1 | 25.6 | 54.6 | 5.5 | 10.0 | 83.1 | 4.2 | 19.4 | 176.9 | 1.9 | 9.4 | 0.0 | (s) | (s) | 34.7 | 248.3 | 78.4 | 326.7 |
| 2001 | 0.1 | 24.3 | 54.2 | 5.0 | 8.9 | 83.9 | 4.4 | 5.0 | 161.3 | 1.0 | 6.4 | 0.0 | (s) | (s) | 35.2 | 228.2 | 78.0 | 306.1 |
| 2002 | 0.1 | 25.0 | 59.4 | 4.8 | 8.5 | 87.2 | 3.9 | 5.5 | 169.2 | 0.5 | 4.3 | 0.0 | (s) | (s) | 35.4 | 234.5 | 78.5 | 313.1 |
| 2003 | 0.1 | 26.5 | 58.4 | 5.3 | 11.4 | 88.0 | 3.4 | 9.5 | 176.0 | 1.7 | 4.5 | 0.0 | (s) | (s) | 37.4 | 246.2 | 82.1 | 328.3 |
| 2004 | 0.1 | 24.5 | 62.6 | 5.1 | 10.4 | 89.0 | 7.8 | 9.9 | 184.9 | 0.1 | 9.7 | 0.0 | (s) | (s) | 37.4 | 256.6 | 82.4 | 338.9 |
| 2005 | 0.1 | 25.1 | 56.2 | 2.6 | 10.5 | 88.2 | 8.8 | 11.6 | 177.9 | 0.1 | 10.6 | 0.0 | (s) | (s) | 38.4 | 252.1 | 83.4 | 335.6 |
| 2006 | 0.1 | 21.6 | 50.0 | 0.9 | 10.9 | 90.4 | 6.6 | 8.1 | 166.8 | 0.1 | 5.3 | 0.0 | (s) | 0.1 | 37.9 | 231.8 | 81.4 | 313.2 |
| 2007 | 0.1 | 23.4 | 47.4 | 0.9 | 11.9 | 92.4 | 5.3 | 7.8 | 165.8 | (s) | 5.6 | 0.0 | (s) | 0.1 | 38.3 | 233.4 | 82.2 | 315.6 |
| 2008 | 0.0 | 22.9 | 48.7 | 0.9 | 14.0 | 90.8 | 4.6 | 8.4 | 167.3 | 0.1 | 5.8 | 0.0 | (s) | 0.1 | 37.5 | 233.6 | 80.2 | 313.8 |
| 2009 | 0.0 | 22.6 | 44.6 | 1.9 | 12.9 | 90.0 | 4.4 | 7.5 | 161.3 | 0.1 | 5.5 | 0.0 | (s) | 0.1 | 36.5 | 226.2 | 76.8 | 303.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 12 | 2 | 3,622 | 803 | 341 | 4,766 | 186 | – – | – – | 619 | – – | – – | – – |
| 1965 | 7 | 3 | 4,724 | 710 | 380 | 5,815 | 156 | – – | – – | 868 | – – | – – | – – |
| 1970 | 4 | 4 | 6,039 | 705 | 392 | 7,136 | 136 | – – | – – | 1,476 | – – | – – | – – |
| 1975 | 1 | 4 | 5,709 | 406 | 572 | 6,687 | 159 | – – | – – | 2,148 | – – | – – | – – |
| 1980 | 1 | 4 | 3,519 | 322 | 487 | 4,328 | 372 | – – | – – | 2,478 | – – | – – | – – |
| 1985 | 2 | 5 | 3,619 | 855 | 708 | 5,181 | 268 | – – | – – | 2,851 | – – | – – | – – |
| 1990 | 2 | 6 | 4,034 | 233 | 1,199 | 5,466 | 184 | – – | – – | 3,444 | – – | – – | – – |
| 1995 | 1 | 7 | 4,448 | 331 | 1,375 | 6,154 | 201 | – – | – – | 3,364 | – – | – – | – – |
| 1996 | 1 | 7 | 4,643 | 393 | 1,517 | 6,552 | 209 | – – | – – | 3,429 | – – | – – | – – |
| 1997 | 1 | 7 | 4,635 | 476 | 1,329 | 6,440 | 152 | – – | – – | 3,389 | – – | – – | – – |
| 1998 | (s) | 6 | 4,319 | 620 | 1,492 | 6,431 | 135 | – – | – – | 3,401 | – – | – – | – – |
| 1999 | (s) | 7 | 4,530 | 377 | 1,555 | 6,462 | 142 | – – | – – | 3,640 | – – | – – | – – |
| 2000 | (s) | 7 | 4,577 | 393 | 1,488 | 6,457 | 153 | – – | – – | 3,656 | – – | – – | – – |
| 2001 | (s) | 7 | 4,523 | 353 | 1,463 | 6,339 | 121 | – – | – – | 3,789 | – – | – – | – – |
| 2002 | (s) | 7 | 4,164 | 262 | 1,467 | 5,892 | 123 | – – | – – | 4,003 | – – | – – | – – |
| 2003 | (s) | 8 | 4,962 | 415 | 1,916 | 7,293 | 129 | – – | – – | 4,252 | – – | – – | – – |
| 2004 | (s) | 7 | 5,336 | 523 | 1,902 | 7,760 | 132 | – – | – – | 4,282 | – – | – – | – – |
| 2005 | (s) | 8 | 4,795 | 561 | 1,802 | 7,158 | R 166 | – – | – – | 4,495 | – – | – – | – – |
| 2006 | (s) | 7 | 4,237 | 434 | 1,697 | 6,368 | R 151 | – – | – – | 4,401 | – – | – – | – – |
| 2007 | (s) | 7 | 4,068 | 297 | 2,084 | 6,449 | R 167 | – – | – – | 4,493 | – – | – – | – – |
| 2008 | 0 | 7 | R 4,125 | 159 | 2,436 | R 6,720 | R 174 | – – | – – | 4,394 | – – | – – | – – |
| 2009 | 0 | 7 | 3,477 | 184 | 2,553 | 6,215 | 167 | – – | – – | 4,422 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.3 | 1.8 | 21.1 | 4.6 | 1.4 | 27.0 | 3.7 | NA | NA | 2.1 | 34.9 | 5.2 | 40.1 |
| 1965 | 0.2 | 2.7 | 27.5 | 4.0 | 1.5 | 33.1 | 3.1 | NA | NA | 3.0 | 42.0 | 7.1 | 49.1 |
| 1970 | 0.1 | 3.7 | 35.2 | 4.0 | 1.5 | 40.7 | 2.7 | NA | NA | 5.0 | 52.2 | 12.2 | 64.4 |
| 1975 | (s) | 3.8 | 33.3 | 2.3 | 2.1 | 37.7 | 3.2 | NA | NA | 7.3 | 52.0 | 17.6 | 69.6 |
| 1980 | (s) | 4.4 | 20.5 | 1.8 | 1.8 | 24.1 | 7.4 | NA | NA | 8.5 | 44.1 | R 20.3 | R 64.4 |
| 1985 | (s) | 4.8 | 21.1 | 4.8 | 2.5 | 28.5 | 5.4 | NA | NA | 9.7 | 48.2 | R 22.3 | R 70.5 |
| 1990 | 0.1 | 6.0 | 23.5 | 1.3 | 4.3 | 29.2 | 3.7 | 0.0 | (s) | 11.8 | 50.6 | R 27.0 | R 77.6 |
| 1995 | (s) | 6.6 | 25.9 | 1.9 | 5.0 | 32.8 | 4.0 | 0.0 | (s) | 11.5 | 54.9 | R 25.9 | R 80.8 |
| 1996 | (s) | 7.1 | 27.0 | 2.2 | 5.5 | 34.8 | 4.2 | 0.0 | (s) | 11.7 | 57.8 | R 26.4 | R 84.2 |
| 1997 | (s) | 7.0 | 27.0 | 2.7 | 4.8 | 34.5 | 3.0 | 0.0 | (s) | 11.6 | 56.1 | R 26.0 | R 82.2 |
| 1998 | (s) | 6.3 | 25.2 | 3.5 | 5.4 | 34.1 | 2.7 | 0.0 | (s) | 11.6 | 54.7 | R 26.1 | R 80.9 |
| 1999 | (s) | 6.7 | 26.4 | 2.1 | 5.6 | 34.2 | 2.8 | (s) | (s) | 12.4 | 56.1 | R 28.2 | R 84.3 |
| 2000 | (s) | 7.7 | 26.7 | 2.2 | 5.4 | 34.3 | 3.1 | (s) | (s) | 12.5 | 57.5 | R 28.2 | R 85.7 |
| 2001 | (s) | 7.2 | 26.3 | 2.0 | 5.3 | 33.6 | 2.4 | (s) | (s) | 12.9 | 56.2 | R 28.6 | R 84.9 |
| 2002 | (s) | 7.3 | 24.3 | 1.5 | 5.3 | 31.0 | 2.5 | (s) | (s) | 13.7 | 54.4 | R 30.3 | R 84.7 |
| 2003 | (s) | 8.3 | 28.9 | 2.4 | 7.0 | 38.2 | 2.6 | (s) | (s) | 14.5 | 63.6 | R 31.8 | R 95.4 |
| 2004 | (s) | 7.4 | 31.1 | 3.0 | 6.9 | 40.9 | 2.6 | (s) | (s) | 14.6 | 65.6 | R 32.1 | R 97.8 |
| 2005 | (s) | 8.0 | 27.9 | 3.2 | 6.5 | 37.6 | R 3.3 | (s) | (s) | 15.3 | R 64.3 | R 33.4 | R 97.7 |
| 2006 | (s) | 6.8 | 24.7 | 2.5 | 6.1 | 33.3 | R 3.0 | (s) | 0.1 | 15.0 | R 58.2 | R 32.3 | R 90.5 |
| 2007 | (s) | 7.5 | 23.7 | 1.7 | 7.5 | 32.9 | R 3.3 | (s) | 0.1 | 15.3 | R 59.1 | R 32.9 | R 92.0 |
| 2008 | 0.0 | 7.2 | R 24.0 | 0.9 | 8.8 | R 33.7 | R 3.5 | (s) | 0.1 | 15.0 | R 59.5 | R 32.1 | R 91.6 |
| 2009 | 0.0 | 7.5 | 20.3 | 1.0 | 9.1 | 30.4 | 3.3 | (s) | 0.1 | 15.1 | 56.4 | 31.7 | 88.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 8 | 1 | 376 | 30 | 144 | 37 | 18 | 605 | NA | – – | – – | 371 | – – | – – | – – |
| 1965 | 6 | 1 | 491 | 26 | 161 | 43 | 26 | 747 | NA | – – | – – | 468 | – – | – – | – – |
| 1970 | 3 | 2 | 628 | 26 | 166 | 46 | 71 | 936 | NA | – – | – – | 699 | – – | – – | – – |
| 1975 | 3 | 3 | 593 | 15 | 242 | 52 | 56 | 959 | NA | – – | – – | 883 | – – | – – | – – |
| 1980 | 2 | 4 | 1,044 | 9 | 206 | 116 | 372 | 1,747 | NA | – – | – – | 1,110 | – – | – – | – – |
| 1985 | 6 | 5 | 615 | 41 | 299 | 126 | 87 | 1,168 | NA | – – | – – | 1,582 | – – | – – | – – |
| 1990 | 10 | 5 | 1,415 | 25 | 506 | 74 | 648 | 2,667 | 0 | – – | – – | 2,117 | – – | – – | – – |
| 1995 | 7 | 7 | 1,129 | 44 | 581 | 11 | 436 | 2,200 | 0 | – – | – – | 3,357 | – – | – – | – – |
| 1996 | 7 | 7 | 1,320 | 42 | 641 | 11 | 447 | 2,461 | 0 | – – | – – | 3,373 | – – | – – | – – |
| 1997 | 5 | 7 | 1,325 | 58 | 562 | 11 | 474 | 2,429 | 0 | – – | – – | 3,407 | – – | – – | – – |
| 1998 | 4 | 7 | 1,235 | 57 | 630 | 11 | 277 | 2,210 | 0 | – – | – – | 3,478 | – – | – – | – – |
| 1999 | 3 | 7 | 1,435 | 42 | 657 | 11 | 126 | 2,270 | 0 | – – | – – | 3,732 | – – | – – | – – |
| 2000 | 4 | 8 | 1,903 | 47 | 629 | 14 | 125 | 2,718 | 0 | – – | – – | 3,905 | – – | – – | – – |
| 2001 | 4 | 7 | 1,746 | 53 | 618 | 20 | 82 | 2,519 | 0 | – – | – – | 4,044 | – – | – – | – – |
| 2002 | 4 | 9 | 1,547 | 35 | 620 | 11 | 123 | 2,336 | 0 | – – | – – | 4,159 | – – | – – | – – |
| 2003 | 2 | 10 | 1,949 | 43 | 974 | 11 | 153 | 3,130 | 0 | – – | – – | 4,318 | – – | – – | – – |
| 2004 | 2 | 9 | 1,835 | 46 | 751 | 12 | 810 | 3,453 | 0 | – – | – – | 4,363 | – – | – – | – – |
| 2005 | 4 | 10 | 1,538 | 62 | 670 | 17 | 1,251 | 3,537 | 0 | – – | – – | 4,576 | – – | – – | – – |
| 2006 | 4 | 8 | 1,134 | 46 | 690 | 129 | 409 | 2,407 | 0 | – – | – – | 4,563 | – – | – – | – – |
| 2007 | 3 | 9 | 1,112 | 39 | 826 | 47 | 442 | 2,467 | 0 | – – | – – | 4,570 | – – | – – | – – |
| 2008 | 0 | R 10 | R 1,009 | 13 | 1,146 | 61 | 367 | R 2,597 | 0 | – – | – – | 4,518 | – – | – – | – – |
| 2009 | 0 | 10 | 1,103 | 14 | 847 | 48 | 337 | 2,348 | 0 | – – | – – | 4,441 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 0.5 | 2.2 | 0.2 | 0.6 | 0.2 | 0.1 | 3.2 | NA | 0.1 | NA | 1.3 | 5.3 | 3.1 | 8.4 |
| 1965 | 0.1 | 0.8 | 2.9 | 0.1 | 0.6 | 0.2 | 0.2 | 4.0 | NA | 0.1 | NA | 1.6 | 6.6 | 3.8 | 10.5 |
| 1970 | 0.1 | 2.3 | 3.7 | 0.1 | 0.6 | 0.2 | 0.4 | 5.1 | NA | 0.1 | NA | 2.4 | 9.9 | 5.8 | 15.7 |
| 1975 | 0.1 | 2.6 | 3.5 | 0.1 | 0.9 | 0.3 | 0.4 | 5.1 | NA | 0.1 | NA | 3.0 | 10.9 | 7.2 | 18.1 |
| 1980 | 0.1 | 4.2 | 6.1 | 0.1 | 0.8 | 0.6 | 2.3 | 9.8 | NA | 0.2 | NA | 3.8 | 17.7 | 9.1 | 26.8 |
| 1985 | 0.1 | 5.1 | 3.6 | 0.2 | 1.1 | 0.7 | 0.5 | 6.1 | NA | 0.1 | NA | 5.4 | 16.6 | 12.4 | 29.0 |
| 1990 | 0.2 | 5.1 | 8.2 | 0.1 | 1.8 | 0.4 | 4.1 | 14.7 | 0.0 | 0.4 | 0.0 | 7.2 | 27.6 | R 16.6 | R 44.2 |
| 1995 | 0.2 | 6.6 | 6.6 | 0.2 | 2.1 | 0.1 | 2.7 | 11.7 | 0.0 | 0.6 | 0.0 | 11.5 | 30.5 | R 25.9 | R 56.3 |
| 1996 | 0.2 | 7.2 | 7.7 | 0.2 | 2.3 | 0.1 | 2.8 | 13.1 | 0.0 | 0.6 | 0.0 | 11.5 | 32.5 | R 26.0 | R 58.5 |
| 1997 | 0.1 | 7.6 | 7.7 | 0.3 | 2.0 | 0.1 | 3.0 | 13.1 | 0.0 | 0.5 | 0.0 | 11.6 | 32.9 | R 26.2 | R 59.1 |
| 1998 | 0.1 | 6.9 | 7.2 | 0.3 | 2.3 | 0.1 | 1.7 | 11.6 | 0.0 | 0.4 | 0.0 | 11.9 | 30.8 | R 26.7 | R 57.6 |
| 1999 | 0.1 | 7.3 | 8.4 | 0.2 | 2.4 | 0.1 | 0.8 | 11.8 | 0.0 | 0.5 | 0.0 | 12.7 | 32.3 | R 28.9 | R 61.3 |
| 2000 | 0.1 | 8.8 | 11.1 | 0.3 | 2.3 | 0.1 | 0.8 | 14.5 | 0.0 | 0.5 | 0.0 | 13.3 | 37.1 | R 30.1 | R 67.3 |
| 2001 | 0.1 | 7.8 | 10.2 | 0.3 | 2.2 | 0.1 | 0.5 | 13.3 | 0.0 | 0.4 | 0.0 | 13.8 | 35.4 | R 30.6 | R 66.0 |
| 2002 | 0.1 | 9.2 | 9.0 | 0.2 | 2.2 | 0.1 | 0.8 | 12.3 | 0.0 | 0.4 | 0.0 | 14.2 | 36.2 | R 31.4 | R 67.6 |
| 2003 | (s) | 10.1 | 11.4 | 0.2 | 3.5 | 0.1 | 1.0 | 16.2 | 0.0 | 0.5 | 0.0 | 14.7 | 41.4 | R 32.3 | R 73.8 |
| 2004 | (s) | 9.3 | 10.7 | 0.3 | 2.7 | 0.1 | 5.1 | 18.8 | 0.0 | 0.4 | 0.0 | 14.9 | 43.5 | R 32.7 | R 76.3 |
| 2005 | 0.1 | 10.0 | 9.0 | 0.4 | 2.4 | 0.1 | 7.9 | 19.7 | 0.0 | R 0.5 | 0.0 | 15.6 | R 46.0 | R 33.9 | 79.9 |
| 2006 | 0.1 | 8.7 | 6.6 | 0.3 | 2.5 | 0.7 | 2.6 | 12.6 | 0.0 | R 0.5 | 0.0 | 15.6 | R 37.4 | R 33.5 | R 70.9 |
| 2007 | 0.1 | 9.5 | 6.5 | 0.2 | 3.0 | 0.2 | 2.8 | 12.7 | 0.0 | R 0.5 | 0.0 | 15.6 | R 38.4 | R 33.4 | 71.8 |
| 2008 | 0.0 | R 10.2 | R 5.9 | 0.1 | 4.1 | 0.3 | 2.3 | 12.7 | 0.0 | R 0.6 | 0.0 | 15.4 | R 38.9 | R 33.0 | R 71.9 |
| 2009 | 0.0 | 10.3 | 6.4 | 0.1 | 3.0 | 0.2 | 2.1 | 11.9 | 0.0 | 0.6 | 0.0 | 15.2 | 37.9 | 31.9 | 69.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 100 | 1 | 280 | 47 | 66 | 727 | 524 | 1,644 | 239 | – – | – – | – – | 596 | – – | – – | – – |
| 1965 | 36 | 1 | 421 | 114 | 53 | 1,046 | 498 | 2,132 | 170 | – – | – – | – – | 902 | – – | – – | – – |
| 1970 | 9 | 1 | 511 | 267 | 38 | 2,842 | 774 | 4,432 | 184 | – – | – – | – – | 1,452 | – – | – – | – – |
| 1975 | 6 | 1 | 460 | 617 | 31 | 2,266 | 675 | 4,048 | 178 | – – | – – | – – | 1,839 | – – | – – | – – |
| 1980 | 10 | 1 | 558 | 514 | 27 | 923 | 719 | 2,741 | 155 | – – | – – | – – | 2,406 | – – | – – | – – |
| 1985 | 40 | 1 | 428 | 556 | 61 | 1,024 | 1,034 | 3,104 | 155 | – – | – – | – – | 2,974 | – – | – – | – – |
| 1990 | 28 | 3 | 517 | 402 | 55 | 522 | 1,375 | 2,871 | 175 | – – | – – | – – | 3,418 | – – | – – | – – |
| 1995 | 1 | 5 | 433 | 312 | 109 | 1,092 | 534 | 2,479 | 169 | – – | – – | – – | 2,286 | – – | – – | – – |
| 1996 | 0 | 5 | 393 | 294 | 108 | 957 | 3,070 | 4,821 | 206 | – – | – – | – – | 2,344 | – – | – – | – – |
| 1997 | 0 | 6 | 311 | 282 | 116 | 829 | 3,091 | 4,629 | 197 | – – | – – | – – | 2,372 | – – | – – | – – |
| 1998 | 0 | 6 | 374 | 323 | 74 | 715 | 2,926 | 4,413 | 199 | – – | – – | – – | 2,425 | – – | – – | – – |
| 1999 | 0 | 6 | 469 | 194 | 151 | 592 | 2,922 | 4,328 | 200 | – – | – – | – – | 2,516 | – – | – – | – – |
| 2000 | 0 | 9 | 580 | 656 | 161 | 546 | 2,980 | 4,924 | 183 | – – | – – | – – | 2,597 | – – | – – | – – |
| 2001 | 0 | 9 | 635 | 368 | 298 | 619 | 318 | 2,238 | 93 | – – | – – | – – | 2,483 | – – | – – | – – |
| 2002 | 0 | 8 | 619 | 216 | 318 | 493 | 498 | 2,145 | 53 | – – | – – | – – | 2,222 | – – | – – | – – |
| 2003 | 0 | 8 | 724 | 240 | 344 | 384 | 978 | 2,670 | 162 | – – | – – | – – | 2,403 | – – | – – | – – |
| 2004 | 0 | 7 | 775 | 215 | 364 | 433 | 921 | 2,708 | 6 | – – | – – | – – | 2,328 | – – | – – | – – |
| 2005 | 0 | 7 | 783 | 409 | 349 | 144 | 1,134 | 2,819 | 8 | – – | – – | – – | 2,174 | – – | – – | – – |
| 2006 | 0 | 6 | 613 | 618 | 360 | 642 | R 734 | R 2,968 | 5 | – – | – – | – – | 2,131 | – – | – – | – – |
| 2007 | 0 | 6 | 490 | 390 | 188 | 408 | R 823 | R 2,300 | 4 | – – | – – | – – | 2,173 | – – | – – | – – |
| 2008 | 0 | R 5 | R 650 | R 252 | 151 | 364 | R 1,067 | R 2,484 | 8 | – – | – – | – – | 2,065 | – – | – – | – – |
| 2009 | 0 | 5 | 614 | 230 | 146 | 359 | 899 | 2,248 | 9 | – – | – – | – – | 1,836 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.5 | 0.7 | 1.6 | 0.2 | 0.3 | 4.6 | 3.4 | 10.2 | 2.6 | 7.1 | NA | NA | 2.0 | 25.0 | 5.0 | 30.0 |
| 1965 | 0.9 | 0.7 | 2.5 | 0.5 | 0.3 | 6.6 | 3.2 | 13.0 | 1.8 | 7.8 | NA | NA | 3.1 | 27.2 | 7.3 | 34.6 |
| 1970 | 0.2 | 0.8 | 3.0 | 1.0 | 0.2 | 17.9 | 4.9 | 26.9 | 1.9 | 9.5 | NA | NA | 5.0 | 44.4 | 12.0 | 56.4 |
| 1975 | 0.1 | 1.1 | 2.7 | 2.3 | 0.2 | 14.2 | 4.3 | 23.7 | 1.9 | 9.6 | NA | NA | 6.3 | 42.6 | 15.1 | 57.7 |
| 1980 | 0.2 | 1.0 | 3.2 | 1.9 | 0.1 | 5.8 | 4.3 | 15.4 | 1.6 | 14.1 | NA | NA | 8.2 | 40.5 | R 19.7 | R 60.2 |
| 1985 | 1.0 | 0.9 | 2.5 | 2.0 | 0.3 | 6.4 | 6.7 | 17.9 | 1.6 | 16.5 | 0.0 | NA | 10.1 | 48.1 | R 23.2 | R 71.3 |
| 1990 | 0.7 | 3.3 | 3.0 | 1.5 | 0.3 | 3.3 | 8.9 | 17.0 | 1.8 | 7.8 | 0.0 | 0.0 | 11.7 | 42.3 | R 26.8 | R 69.0 |
| 1995 | (s) | 4.7 | 2.5 | 1.1 | 0.6 | 6.9 | 3.4 | 14.4 | 1.7 | 7.0 | 0.0 | 0.0 | 7.8 | 35.7 | R 17.6 | R 53.3 |
| 1996 | 0.0 | 5.0 | 2.3 | 1.1 | 0.6 | 6.0 | 17.3 | 27.2 | 2.1 | 9.0 | 0.0 | 0.0 | 8.0 | 51.2 | R 18.1 | R 69.3 |
| 1997 | 0.0 | 5.9 | 1.8 | 1.0 | 0.6 | 5.2 | 17.2 | 25.9 | 2.0 | 7.9 | 0.0 | 0.0 | 8.1 | 49.8 | R 18.2 | R 68.0 |
| 1998 | 0.0 | 5.9 | 2.2 | 1.2 | 0.4 | 4.5 | 16.2 | 24.4 | 2.0 | 6.5 | 0.0 | 0.0 | 8.3 | 47.1 | R 18.6 | R 65.8 |
| 1999 | 0.0 | 6.0 | 2.7 | 0.7 | 0.8 | 3.7 | 16.1 | 24.0 | 2.0 | 6.5 | 0.0 | 0.0 | 8.6 | 47.1 | R 19.5 | R 66.6 |
| 2000 | 0.0 | 9.0 | 3.4 | 2.4 | 0.8 | 3.4 | 16.4 | 26.4 | 1.9 | 5.8 | 0.0 | 0.0 | 8.9 | 52.0 | R 20.0 | R 72.0 |
| 2001 | 0.0 | 9.2 | 3.7 | 1.3 | 1.6 | 3.9 | 2.0 | 12.5 | 1.0 | 3.5 | 0.0 | 0.0 | 8.5 | 34.6 | R 18.8 | R 53.4 |
| 2002 | 0.0 | 8.5 | 3.6 | 0.8 | 1.7 | 3.1 | 3.2 | 12.3 | 0.5 | 1.5 | 0.0 | 0.0 | 7.6 | 30.4 | R 16.8 | R 47.2 |
| 2003 | 0.0 | 8.2 | 4.2 | 0.9 | 1.8 | 2.4 | 6.4 | 15.7 | 1.7 | 1.4 | 0.0 | 0.0 | 8.2 | 35.2 | R 18.0 | R 53.2 |
| 2004 | 0.0 | 7.7 | 4.5 | 0.8 | 1.9 | 2.7 | 6.0 | 16.0 | 0.1 | 6.6 | 0.0 | 0.0 | 7.9 | 38.3 | R 17.5 | R 55.7 |
| 2005 | 0.0 | 7.0 | 4.6 | 1.5 | 1.8 | 0.9 | 7.4 | 16.2 | 0.1 | 6.8 | 0.0 | 0.0 | 7.4 | 37.5 | R 16.1 | R 53.6 |
| 2006 | 0.0 | 6.1 | 3.6 | 2.2 | 1.9 | 4.0 | 4.8 | 16.5 | 0.1 | R 1.8 | 0.0 | 0.0 | 7.3 | R 31.7 | R 15.6 | R 47.3 |
| 2007 | 0.0 | 6.4 | 2.9 | 1.4 | 1.0 | 2.6 | 5.4 | 13.2 | (s) | R 1.8 | 0.0 | 0.0 | 7.4 | R 28.8 | R 15.9 | R 44.7 |
| 2008 | 0.0 | R 5.5 | 3.8 | 0.9 | 0.8 | 2.3 | 7.0 | R 14.8 | 0.1 | R 1.7 | 0.0 | 0.0 | 7.0 | 29.1 | R 15.1 | R 44.2 |
| 2009 | 0.0 | 4.8 | 3.6 | 0.8 | 0.8 | 2.3 | 5.9 | 13.3 | 0.1 | 1.6 | 0.0 | 0.0 | 6.3 | 26.2 | 13.2 | 39.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 2 | 0 | 18 | 209 | 1,151 | (s) | 74 | 4,837 | 49 | 6,338 | 0 | – – | – – | – – |
| 1965 | (s) | 0 | 46 | 178 | 1,097 | 1 | 60 | 5,677 | 1 | 7,061 | 0 | – – | – – | – – |
| 1970 | (s) | 0 | 38 | 319 | 1,053 | 5 | 55 | 8,038 | 69 | 9,577 | 0 | – – | – – | – – |
| 1975 | (s) | 0 | 33 | 418 | 903 | 5 | 48 | 9,290 | 9 | 10,706 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 40 | 687 | 771 | 74 | 60 | 9,240 | 49 | 10,921 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 24 | 1,061 | 521 | 24 | 55 | 10,152 | 0 | 11,837 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 21 | 1,232 | 647 | 15 | 61 | 11,649 | 82 | 13,706 | 0 | – – | – – | – – |
| 1995 | 0 | (s) | 22 | 1,473 | 333 | 18 | 59 | 13,376 | 0 | 15,280 | 0 | – – | – – | – – |
| 1996 | 0 | (s) | 20 | 1,424 | 360 | 15 | 57 | 13,820 | 5 | 15,700 | 0 | – – | – – | – – |
| 1997 | 0 | (s) | 23 | 1,494 | 408 | 10 | 60 | 14,540 | 3 | 16,538 | 0 | – – | – – | – – |
| 1998 | 0 | (s) | 20 | 2,376 | 610 | 2 | 63 | 15,001 | 6 | 18,078 | 0 | – – | – – | – – |
| 1999 | 0 | (s) | 28 | 2,365 | 820 | (s) | 64 | 15,496 | 1 | 18,773 | 0 | – – | – – | – – |
| 2000 | 0 | (s) | 24 | 2,313 | 977 | 0 | 63 | 15,777 | 0 | 19,154 | 0 | – – | – – | – – |
| 2001 | 0 | (s) | 64 | 2,399 | 880 | 0 | 57 | 15,783 | 0 | 19,184 | 0 | – – | – – | – – |
| 2002 | 0 | (s) | 50 | 3,870 | 839 | 41 | 57 | 16,408 | 0 | 21,265 | 0 | – – | – – | – – |
| 2003 | 0 | (s) | 44 | 2,399 | 942 | 7 | 52 | 16,537 | 0 | 19,982 | 0 | – – | – – | – – |
| 2004 | 0 | (s) | 65 | 2,797 | 904 | 8 | 53 | 16,698 | 0 | 20,525 | 0 | – – | – – | – – |
| 2005 | 0 | (s) | 69 | 2,534 | 452 | 10 | 53 | 16,542 | 0 | 19,660 | 0 | – – | – – | – – |
| 2006 | 0 | (s) | 46 | 2,597 | 162 | 11 | 52 | 16,836 | 0 | 19,703 | 0 | – – | – – | – – |
| 2007 | 0 | (s) | 46 | 2,471 | 152 | 8 | 53 | 17,473 | 0 | 20,203 | 0 | – – | – – | – – |
| 2008 | 0 | (s) | 28 | R 2,569 | 152 | R 42 | 49 | 17,188 | 0 | R 20,028 | 0 | – – | – – | – – |
| 2009 | 0 | (s) | 47 | 2,455 | 338 | 10 | 44 | 17,051 | 0 | 19,947 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 0.0 | 0.1 | 1.2 | 6.2 | (s) | 0.5 | 25.4 | 0.3 | 33.6 | 0.0 | 33.7 | 0.0 | 33.7 |
| 1965 | (s) | 0.0 | 0.2 | 1.0 | 5.9 | (s) | 0.4 | 29.8 | (s) | 37.3 | 0.0 | 37.3 | 0.0 | 37.3 |
| 1970 | (s) | 0.0 | 0.2 | 1.9 | 5.7 | (s) | 0.3 | 42.2 | 0.4 | 50.7 | 0.0 | 50.7 | 0.0 | 50.7 |
| 1975 | (s) | 0.0 | 0.2 | 2.4 | 4.8 | (s) | 0.3 | 48.8 | 0.1 | 56.6 | 0.0 | 56.6 | 0.0 | 56.6 |
| 1980 | 0.0 | (s) | 0.2 | 4.0 | 4.1 | 0.3 | 0.4 | 48.5 | 0.3 | 57.8 | 0.0 | 57.9 | 0.0 | 57.9 |
| 1985 | 0.0 | 0.1 | 0.1 | 6.2 | 2.8 | 0.1 | 0.3 | 53.3 | 0.0 | 62.9 | 0.0 | 62.9 | 0.0 | 62.9 |
| 1990 | 0.0 | (s) | 0.1 | 7.2 | 3.6 | 0.1 | 0.4 | 61.2 | 0.5 | 73.0 | 0.0 | 73.0 | 0.0 | 73.0 |
| 1995 | 0.0 | (s) | 0.1 | 8.6 | 1.9 | 0.1 | 0.4 | 69.8 | 0.0 | 80.8 | 0.0 | 80.8 | 0.0 | 80.8 |
| 1996 | 0.0 | 0.1 | 0.1 | 8.3 | 2.0 | 0.1 | 0.3 | 72.1 | (s) | 83.0 | 0.0 | 83.0 | 0.0 | 83.0 |
| 1997 | 0.0 | 0.2 | 0.1 | 8.7 | 2.3 | (s) | 0.4 | 75.8 | (s) | 87.3 | 0.0 | 87.5 | 0.0 | 87.5 |
| 1998 | 0.0 | (s) | 0.1 | 13.8 | 3.5 | (s) | 0.4 | 78.2 | (s) | 96.0 | 0.0 | 96.0 | 0.0 | 96.0 |
| 1999 | 0.0 | (s) | 0.1 | 13.8 | 4.6 | (s) | 0.4 | 80.8 | (s) | 99.7 | 0.0 | 99.7 | 0.0 | 99.7 |
| 2000 | 0.0 | (s) | 0.1 | 13.5 | 5.5 | 0.0 | 0.4 | 82.2 | 0.0 | 101.7 | 0.0 | 101.7 | 0.0 | 101.7 |
| 2001 | 0.0 | (s) | 0.3 | 14.0 | 5.0 | 0.0 | 0.3 | 82.2 | 0.0 | 101.9 | 0.0 | 101.9 | 0.0 | 101.9 |
| 2002 | 0.0 | 0.1 | 0.3 | 22.5 | 4.8 | 0.1 | 0.3 | 85.5 | 0.0 | 113.5 | 0.0 | 113.6 | 0.0 | 113.6 |
| 2003 | 0.0 | (s) | 0.2 | 14.0 | 5.3 | (s) | 0.3 | 86.1 | 0.0 | 106.0 | 0.0 | 106.0 | 0.0 | 106.0 |
| 2004 | 0.0 | (s) | 0.3 | 16.3 | 5.1 | (s) | 0.3 | 87.1 | 0.0 | 109.2 | 0.0 | 109.2 | 0.0 | 109.2 |
| 2005 | 0.0 | (s) | 0.3 | 14.8 | 2.6 | (s) | 0.3 | 86.3 | 0.0 | 104.3 | 0.0 | 104.4 | 0.0 | 104.4 |
| 2006 | 0.0 | (s) | 0.2 | 15.1 | 0.9 | (s) | 0.3 | 87.8 | 0.0 | 104.5 | 0.0 | 104.5 | 0.0 | 104.5 |
| 2007 | 0.0 | (s) | 0.2 | 14.4 | 0.9 | (s) | 0.3 | 91.2 | 0.0 | 107.0 | 0.0 | 107.1 | 0.0 | 107.1 |
| 2008 | 0.0 | (s) | 0.1 | R 15.0 | 0.9 | R 0.2 | 0.3 | 89.7 | 0.0 | R 106.1 | 0.0 | R 106.1 | 0.0 | R 106.1 |
| 2009 | 0.0 | (s) | 0.2 | 14.3 | 1.9 | (s) | 0.3 | 89.0 | 0.0 | 105.7 | 0.0 | 105.8 | 0.0 | 105.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, New Hampshire

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 94 | 0 | 1,401 | 102 | 0 | 1,504 | 0 | 1,134 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 358 | 0 | 1,343 | 98 | 0 | 1,441 | 0 | 882 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 975 | 0 | 2,537 | 184 | 0 | 2,721 | 0 | 1,056 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 972 | (s) | 2,279 | 27 | 0 | 2,306 | 0 | 1,073 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 1,080 | 0 | 4,348 | 18 | 0 | 4,366 | 0 | 872 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 1,433 | 0 | 2,332 | 31 | 0 | 2,363 | 0 | 975 | – – | 0 | 0 | 0 | 893 | – – |
| 1990 | 1,146 | 0 | 3,983 | 39 | 0 | 4,022 | 4,081 | 1,706 | – – | 0 | 0 | 0 | 37 | – – |
| 1995 | 1,346 | 2 | 1,768 | 51 | 0 | 1,819 | 8,379 | 1,201 | – – | 0 | 0 | 0 | 1,276 | – – |
| 1996 | 1,369 | (s) | 1,482 | 28 | 0 | 1,510 | 9,845 | 1,713 | – – | 0 | 0 | 0 | 1,325 | – – |
| 1997 | 1,699 | 1 | 1,809 | 37 | 0 | 1,845 | 7,979 | 1,425 | – – | 0 | 0 | 0 | 1,699 | – – |
| 1998 | 1,465 | (s) | 2,341 | 32 | 0 | 2,372 | 8,387 | 1,398 | – – | 0 | 0 | 0 | 1,759 | – – |
| 1999 | 1,341 | 1 | 2,628 | 36 | 0 | 2,664 | 8,676 | 1,212 | – – | 0 | 0 | 0 | 1,934 | – – |
| 2000 | 1,673 | 1 | 754 | 30 | 0 | 784 | 7,922 | 1,244 | – – | 0 | 0 | 0 | 1,585 | – – |
| 2001 | 1,533 | 1 | 795 | 38 | 0 | 832 | 8,693 | 898 | – – | 0 | 0 | 0 | 766 | – – |
| 2002 | 1,527 | 1 | 1,096 | 57 | 0 | 1,153 | 9,295 | 1,088 | – – | 0 | 0 | 0 | 326 | – – |
| 2003 | 1,595 | 29 | 3,456 | 66 | 0 | 3,522 | 9,276 | 1,170 | – – | 0 | 0 | 0 | 147 | – – |
| 2004 | 1,660 | 38 | 3,098 | 172 | 0 | 3,270 | 10,178 | 1,310 | – – | 0 | 0 | 0 | 424 | – – |
| 2005 | 1,723 | 46 | 2,072 | 135 | 0 | 2,206 | 9,456 | 1,791 | – – | 0 | 0 | 0 | 491 | – – |
| 2006 | 1,634 | 41 | 424 | 256 | 0 | 680 | 9,398 | 1,524 | – – | 0 | 0 | 0 | 477 | – – |
| 2007 | 1,625 | 39 | 538 | 84 | 0 | 622 | 10,764 | 1,261 | – – | 0 | 0 | 0 | 617 | – – |
| 2008 | 1,481 | 49 | 214 | 25 | 0 | 240 | 9,350 | 1,626 | – – | 0 | 0 | 10 | R 864 | – – |
| 2009 | 1,208 | 38 | 281 | 23 | 0 | 305 | 8,817 | 1,671 | – – | 0 | 0 | 62 | 1,031 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.4 | 0.0 | 8.8 | 0.6 | 0.0 | 9.4 | 0.0 | 12.2 | 0.0 | 0.0 | NA | NA | 0.0 | 24.0 |
| 1965 | 10.0 | 0.0 | 8.4 | 0.6 | 0.0 | 9.0 | 0.0 | 9.2 | 0.0 | 0.0 | NA | NA | 0.0 | 28.2 |
| 1970 | 26.7 | 0.0 | 16.0 | 1.1 | 0.0 | 17.0 | 0.0 | 11.1 | 0.0 | 0.0 | NA | NA | 0.0 | 54.9 |
| 1975 | 26.0 | 0.2 | 14.3 | 0.2 | 0.0 | 14.5 | 0.0 | 11.2 | 0.0 | 0.0 | NA | NA | 0.0 | 51.8 |
| 1980 | 29.0 | 0.0 | 27.3 | 0.1 | 0.0 | 27.4 | 0.0 | 9.1 | 0.0 | 0.0 | NA | NA | 0.0 | 65.5 |
| 1985 | 38.6 | 0.0 | 14.7 | 0.2 | 0.0 | 14.8 | 0.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 66.6 |
| 1990 | 30.5 | 0.0 | 25.0 | 0.2 | 0.0 | 25.3 | 43.2 | 17.7 | 15.3 | 0.0 | 0.0 | 0.0 | 0.1 | 132.2 |
| 1995 | 35.4 | 2.3 | 11.1 | 0.3 | 0.0 | 11.4 | 88.0 | 12.4 | 13.7 | 0.0 | 0.0 | 0.0 | 4.4 | 167.5 |
| 1996 | 35.9 | (s) | 9.3 | 0.2 | 0.0 | 9.5 | 103.4 | 17.7 | 14.0 | 0.0 | 0.0 | 0.0 | 4.5 | 185.1 |
| 1997 | 44.4 | 0.6 | 11.4 | 0.2 | 0.0 | 11.6 | 83.7 | 14.6 | 14.2 | 0.0 | 0.0 | 0.0 | 5.8 | 174.8 |
| 1998 | 38.5 | 0.2 | 14.7 | 0.2 | 0.0 | 14.9 | 88.0 | 14.3 | 14.6 | 0.0 | 0.0 | 0.0 | 6.0 | 176.4 |
| 1999 | 35.3 | 0.6 | 16.5 | 0.2 | 0.0 | 16.7 | 90.7 | 12.4 | 14.7 | 0.0 | 0.0 | 0.0 | 6.6 | 177.0 |
| 2000 | 43.9 | 0.8 | 4.7 | 0.2 | 0.0 | 4.9 | 82.6 | 12.7 | 14.7 | 0.0 | 0.0 | 0.0 | 5.4 | 165.1 |
| 2001 | 40.0 | 0.6 | 5.0 | 0.2 | 0.0 | 5.2 | 90.8 | 9.3 | 13.6 | 0.0 | 0.0 | 0.0 | 2.6 | 162.0 |
| 2002 | 39.7 | 1.1 | 6.9 | 0.3 | 0.0 | 7.2 | 97.1 | 11.1 | 12.9 | 0.0 | 0.0 | 0.0 | 1.1 | 170.3 |
| 2003 | 41.6 | 29.9 | 21.7 | 0.4 | 0.0 | 22.1 | 96.7 | 12.0 | 11.9 | 0.0 | 0.0 | 0.0 | 0.5 | 214.6 |
| 2004 | 43.4 | 39.5 | 19.5 | 1.0 | 0.0 | 20.5 | 106.1 | 13.1 | 12.0 | 0.0 | 0.0 | 0.0 | 1.4 | 236.0 |
| 2005 | 44.1 | 48.0 | 13.0 | 0.8 | 0.0 | 13.8 | 98.7 | 17.9 | 12.6 | 0.0 | 0.0 | 0.0 | 1.7 | 236.7 |
| 2006 | 44.7 | 43.1 | 2.7 | 1.5 | 0.0 | 4.2 | 98.1 | 15.1 | 12.6 | 0.0 | 0.0 | 0.0 | 1.6 | 219.4 |
| 2007 | 44.8 | 41.2 | 3.4 | 0.5 | 0.0 | 3.9 | 112.9 | 12.5 | 16.7 | 0.0 | 0.0 | 0.0 | 2.1 | 234.0 |
| 2008 | 40.2 | 51.1 | 1.3 | 0.1 | 0.0 | 1.5 | 97.7 | 16.0 | 17.7 | 0.0 | 0.0 | 0.1 | R 2.9 | R 227.3 |
| 2009 | 32.8 | 39.4 | 1.8 | 0.1 | 0.0 | 1.9 | 92.2 | 16.3 | 17.3 | 0.0 | 0.0 | 0.6 | 3.5 | 204.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, New Jersey

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 6,424 | 139 | 46,051 | 2,125 | 3,213 | 48,706 | 42,854 | 22,984 | 165,934 | 0 | 45 | NA |
| 1965 | 9,034 | 210 | 53,611 | 5,280 | 4,268 | 55,149 | 42,900 | 30,873 | 192,082 | 0 | -31 | NA |
| 1970 | 4,946 | 323 | 63,391 | 6,705 | 6,748 | 66,231 | 80,770 | 34,514 | 258,360 | 3,454 | -403 | NA |
| 1971 | 3,730 | 327 | 64,551 | 6,712 | 6,834 | 68,308 | 75,446 | 32,715 | 254,567 | 3,825 | -309 | NA |
| 1972 | 1,279 | 321 | 71,884 | 8,522 | 7,961 | 74,054 | 80,262 | 36,730 | 279,412 | 4,356 | -217 | NA |
| 1973 | 2,609 | 302 | 74,951 | 8,146 | 8,110 | 75,830 | 79,176 | 38,953 | 285,166 | 3,585 | -333 | NA |
| 1974 | 3,379 | 275 | 68,360 | 7,068 | 7,840 | 75,512 | 63,532 | 36,490 | 258,802 | 3,673 | -282 | NA |
| 1975 | 2,397 | 244 | 59,630 | 6,267 | 7,328 | 77,617 | 49,463 | 33,336 | 233,642 | 3,146 | -272 | NA |
| 1976 | 2,717 | 322 | 61,119 | 6,787 | 7,668 | 79,469 | 57,772 | 31,129 | 243,945 | 3,855 | -245 | NA |
| 1977 | 2,746 | 247 | 59,302 | 8,420 | 7,940 | 77,535 | 59,682 | 35,443 | 248,321 | 6,959 | -167 | NA |
| 1978 | 2,337 | 229 | 56,692 | 7,849 | 8,149 | 80,604 | 58,167 | 37,997 | 249,457 | 8,169 | -173 | NA |
| 1979 | 2,273 | 261 | 50,687 | 8,498 | 7,913 | 75,640 | 61,030 | 40,174 | 243,943 | 6,611 | -283 | NA |
| 1980 | 2,634 | 340 | 52,854 | 8,781 | 7,383 | 72,740 | 53,617 | 38,418 | 233,792 | 7,627 | -282 | NA |
| 1981 | 2,889 | 390 | 50,660 | 18,097 | 6,243 | 72,379 | 37,777 | 37,405 | 222,560 | 11,675 | -231 | 5 |
| 1982 | 2,986 | 376 | 45,479 | 34,169 | 6,257 | 73,334 | 33,415 | 31,962 | 224,615 | 14,039 | -222 | 0 |
| 1983 | 3,485 | 405 | 39,307 | 37,077 | 6,292 | 77,650 | 26,578 | 33,838 | 220,741 | 6,328 | -228 | 0 |
| 1984 | 3,196 | 418 | 44,489 | 42,383 | 8,706 | 77,257 | 29,652 | 37,391 | 239,878 | 5,610 | -246 | 0 |
| 1985 | 3,943 | 379 | 43,747 | 43,910 | 7,184 | 75,405 | 23,986 | 31,372 | 225,604 | 17,770 | -244 | 0 |
| 1986 | 2,961 | 353 | 48,556 | 39,197 | 6,405 | 80,692 | 30,986 | 37,178 | 243,014 | 14,770 | -286 | 0 |
| 1987 | 3,434 | 421 | 48,395 | 43,323 | 7,721 | 81,324 | 25,218 | 38,416 | 244,397 | 22,697 | -309 | 0 |
| 1988 | 3,058 | 414 | 50,764 | 40,820 | 7,480 | 81,081 | 23,318 | 38,763 | 242,226 | 23,890 | -219 | 0 |
| 1989 | 3,545 | 471 | 48,137 | 44,140 | 6,336 | 81,405 | 22,642 | 39,128 | 241,787 | 23,032 | -244 | 0 |
| 1990 | 3,029 | 446 | 38,999 | 46,377 | 4,295 | 78,343 | 15,194 | 38,778 | 221,986 | 23,770 | 31 | 0 |
| 1991 | 2,326 | 497 | 36,878 | 43,733 | 6,066 | 79,704 | 17,588 | 35,841 | 219,810 | 24,807 | 22 | 0 |
| 1992 | 2,348 | 624 | 37,333 | 46,133 | 6,594 | 76,633 | 15,791 | 38,247 | 220,731 | 21,595 | 22 | 0 |
| 1993 | 2,364 | 644 | 35,394 | 48,161 | 3,722 | 70,463 | 12,674 | 42,844 | 213,258 | 24,932 | 19 | 27 |
| 1994 | 2,453 | 687 | 39,502 | 48,376 | 3,827 | 81,556 | 13,442 | 42,453 | 229,156 | 22,129 | 15 | 95 |
| 1995 | 3,015 | 697 | 34,080 | 50,059 | 4,062 | 82,325 | 12,526 | 41,905 | 224,956 | 16,806 | 11 | 292 |
| 1996 | 3,323 | 701 | 35,370 | 43,002 | 3,813 | 86,044 | 9,709 | 34,587 | 212,526 | 11,028 | 19 | 246 |
| 1997 | 3,841 | 717 | 35,271 | 38,754 | 4,268 | 88,850 | 9,165 | 39,706 | 216,015 | 13,908 | 18 | 279 |
| 1998 | 3,299 | 680 | 34,192 | 37,103 | 3,717 | 91,734 | 8,669 | 37,095 | 212,511 | 27,132 | 21 | 219 |
| 1999 | 3,405 | 716 | 36,449 | 36,343 | 7,569 | 91,783 | 8,393 | 40,957 | 221,494 | 28,971 | 17 | 187 |
| 2000 | 4,395 | 605 | 37,034 | 36,781 | 6,801 | 94,729 | 14,032 | 37,235 | 226,613 | 28,578 | 14 | 221 |
| 2001 | 4,315 | 565 | 38,612 | 33,952 | 7,632 | 94,145 | 12,642 | 45,189 | 232,172 | 30,469 | 18 | 297 |
| 2002 | 4,079 | 599 | 35,937 | 28,933 | 7,526 | 96,329 | 15,862 | 44,915 | 229,503 | 30,866 | 12 | 25 |
| 2003 | 4,191 | 613 | 38,408 | 25,901 | 3,539 | 98,327 | 14,100 | 42,664 | 222,939 | 29,709 | 39 | 26 |
| 2004 | 4,440 | 621 | 40,318 | 25,038 | 3,045 | 103,782 | 14,054 | 43,597 | 229,833 | 27,082 | 38 | 144 |
| 2005 | 5,004 | 602 | 39,814 | 31,834 | 2,420 | 103,150 | 18,780 | 43,885 | 239,882 | 31,392 | 31 | 2,778 |
| 2006 | 4,642 | 547 | 36,651 | 33,726 | 1,979 | 103,580 | 16,882 | R 32,773 | R 225,590 | 32,568 | 35 | 7,470 |
| 2007 | 4,672 | 619 | 39,647 | 36,534 | 2,758 | 106,074 | 19,780 | R 34,012 | R 238,805 | 32,010 | 21 | 9,327 |
| 2008 | 4,165 | 615 | R 34,531 | 35,281 | 2,499 | 103,704 | 23,037 | R 27,969 | R 227,021 | 32,195 | 26 | 7,879 |
| 2009 | 2,541 | 621 | 29,259 | 34,420 | 2,268 | 101,196 | 11,609 | 22,962 | 201,714 | 34,328 | 32 | 9,341 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 168.8 | 144.1 | 268.2 | 11.5 | 12.9 | 255.9 | 269.4 | 138.4 | 956.3 | 1,269.2 | *144.1* | *255.9* |
| 1965 | 236.6 | 219.2 | 312.3 | 29.4 | 17.1 | 289.7 | 269.7 | 181.5 | 1,099.7 | 1,555.5 | *219.2* | *289.7* |
| 1970 | 123.3 | 331.2 | 369.3 | 37.5 | 25.5 | 347.9 | 507.8 | 201.8 | 1,489.8 | 1,944.3 | *331.2* | *347.9* |
| 1971 | 91.5 | 335.3 | 376.0 | 37.5 | 25.8 | 358.8 | 474.3 | 192.4 | 1,464.8 | 1,891.6 | *335.3* | *358.8* |
| 1972 | 32.0 | 329.6 | 418.7 | 47.8 | 29.9 | 389.0 | 504.6 | 216.2 | 1,606.2 | 1,967.9 | *329.6* | *389.0* |
| 1973 | 66.1 | 309.7 | 436.6 | 45.7 | 30.4 | 398.3 | 497.8 | 230.0 | 1,638.8 | 2,014.7 | *309.7* | *398.3* |
| 1974 | 82.5 | 282.2 | 398.2 | 39.6 | 29.2 | 396.7 | 399.4 | 214.1 | 1,477.2 | 1,841.9 | *282.2* | *396.7* |
| 1975 | 60.5 | 251.7 | 347.3 | 35.1 | 27.2 | 407.7 | 311.0 | 195.2 | 1,323.6 | 1,635.7 | *251.7* | *407.7* |
| 1976 | 70.6 | 332.5 | 356.0 | 38.1 | 28.5 | 417.4 | 363.2 | 183.0 | 1,386.2 | 1,789.3 | *332.5* | *417.4* |
| 1977 | 71.0 | 255.5 | 345.4 | 47.3 | 29.2 | 407.3 | 375.2 | 208.9 | 1,413.3 | 1,739.8 | *255.5* | *407.3* |
| 1978 | 60.8 | 236.9 | 330.2 | 44.0 | 29.9 | 423.4 | 365.7 | 223.9 | 1,417.2 | 1,714.9 | *236.9* | *423.4* |
| 1979 | 59.2 | 269.9 | 295.3 | 47.7 | 29.1 | 397.3 | 383.7 | 234.4 | 1,387.5 | 1,716.7 | *269.9* | *397.3* |
| 1980 | 68.7 | 341.1 | 307.9 | 49.3 | 27.1 | 382.1 | 337.1 | 222.0 | 1,325.5 | 1,735.3 | *351.0* | *382.1* |
| 1981 | 75.5 | 391.5 | 295.1 | 102.2 | 22.7 | 380.2 | 237.5 | 216.9 | 1,254.6 | 1,721.6 | *403.4* | *380.2* |
| 1982 | 78.4 | 377.2 | 264.9 | 193.3 | 22.6 | 385.2 | 210.1 | 186.0 | 1,262.1 | 1,717.7 | *387.3* | *385.2* |
| 1983 | 91.6 | 407.8 | 229.0 | 209.8 | 22.7 | 407.9 | 167.1 | 200.2 | 1,236.7 | 1,736.1 | *418.0* | *407.9* |
| 1984 | 84.0 | 419.4 | 259.2 | 239.9 | 31.3 | 405.8 | 186.4 | 217.2 | 1,339.8 | 1,843.3 | *428.3* | *405.8* |
| 1985 | 103.3 | 375.3 | 254.8 | 248.6 | 25.9 | 396.1 | 150.8 | 181.9 | 1,258.1 | 1,736.7 | *389.1* | *396.1* |
| 1986 | 77.9 | 350.6 | 282.8 | 221.8 | 23.3 | 423.9 | 194.8 | 216.3 | 1,363.0 | 1,791.5 | *363.0* | *423.9* |
| 1987 | 90.5 | 418.2 | 281.9 | 245.2 | 28.3 | 427.2 | 158.5 | 222.1 | 1,363.2 | 1,871.9 | *432.4* | *427.2* |
| 1988 | 81.1 | 409.8 | 295.7 | 231.1 | 27.3 | 425.9 | 146.6 | 223.7 | 1,350.3 | 1,841.3 | *425.0* | *425.9* |
| 1989 | 94.8 | 468.3 | 280.4 | 249.9 | 23.3 | 427.6 | 142.3 | 225.2 | 1,348.9 | 1,912.0 | *483.2* | *427.6* |
| 1990 | 80.8 | 447.8 | 227.2 | 262.6 | 15.6 | 411.5 | 95.5 | 222.1 | 1,234.5 | 1,763.1 | *458.1* | *411.5* |
| 1991 | 61.9 | 495.1 | 214.8 | 247.0 | 21.9 | 418.7 | 110.6 | 206.2 | 1,219.2 | 1,776.1 | *510.2* | *418.7* |
| 1992 | 62.7 | 625.9 | 217.5 | 261.2 | 23.9 | 402.6 | 99.3 | 218.9 | 1,223.2 | 1,911.9 | *640.6* | *402.6* |
| 1993 | 63.1 | 651.6 | 206.2 | 272.8 | 13.4 | R 370.1 | 79.7 | 250.0 | 1,192.1 | 1,906.9 | *667.1* | *370.1* |
| 1994 | 65.1 | 706.0 | 230.1 | 274.2 | 13.9 | 426.2 | 84.5 | 244.9 | 1,273.8 | 2,044.9 | *714.1* | *426.5* |
| 1995 | 79.9 | 713.1 | 198.5 | 283.8 | 14.7 | 428.3 | 78.8 | 242.7 | R 1,246.9 | 2,039.9 | *720.7* | *429.3* |
| 1996 | 86.6 | 718.7 | 206.0 | 243.8 | 13.8 | R 448.0 | 61.0 | 203.2 | 1,175.8 | 1,981.1 | *725.7* | *448.8* |
| 1997 | 99.9 | 735.3 | 205.5 | 219.7 | 15.4 | 462.2 | 57.6 | 235.3 | R 1,195.8 | 2,031.0 | *742.0* | *463.2* |
| 1998 | 86.2 | 696.0 | 199.2 | 210.4 | 13.4 | R 477.4 | 54.5 | 219.3 | 1,174.2 | 1,956.4 | *705.5* | *478.1* |
| 1999 | 89.0 | 737.6 | 212.3 | 206.1 | 27.4 | 477.6 | 52.8 | 244.0 | 1,220.1 | R 2,046.7 | *743.6* | *478.3* |
| 2000 | 114.7 | 617.9 | 215.7 | 208.5 | 24.5 | 492.8 | 88.2 | 220.6 | R 1,250.4 | 1,983.0 | *626.5* | *493.5* |
| 2001 | 112.2 | 573.0 | 224.9 | 192.5 | 27.6 | R 489.5 | 79.5 | 266.3 | R 1,280.3 | 1,965.5 | *585.8* | *490.5* |
| 2002 | 104.8 | 617.1 | 209.3 | 164.1 | 27.2 | 501.6 | 99.7 | 265.5 | 1,267.4 | 1,989.3 | *620.8* | *501.7* |
| 2003 | 106.9 | 635.7 | 223.7 | 146.9 | 12.8 | 511.9 | 88.6 | 248.5 | 1,232.5 | 1,975.0 | *636.2* | *512.0* |
| 2004 | 112.7 | 644.5 | 234.8 | 142.0 | 11.0 | 540.7 | 88.4 | 252.5 | R 1,269.5 | 2,026.6 | *645.0* | *541.2* |
| 2005 | 125.3 | 625.4 | 231.9 | 180.5 | 8.8 | R 528.6 | 118.1 | 254.8 | R 1,322.7 | R 2,073.4 | *625.9* | *538.2* |
| 2006 | 116.1 | 566.7 | 213.5 | 191.2 | 7.1 | R 514.6 | 106.1 | R 194.2 | R 1,226.7 | R 1,909.6 | *566.9* | *540.5* |
| 2007 | 111.8 | 640.2 | 230.9 | 207.2 | 9.9 | R 521.2 | 124.4 | R 202.8 | R 1,296.4 | R 2,048.4 | *640.6* | *553.6* |
| 2008 | 97.7 | 634.7 | R 201.1 | 200.0 | 9.0 | R 513.8 | 144.8 | R 166.0 | R 1,234.8 | R 1,967.1 | *635.2* | *541.1* |
| 2009 | 59.6 | 638.4 | 170.4 | 195.2 | 8.1 | 495.7 | 73.0 | 136.2 | 1,078.6 | 1,776.5 | *638.9* | *528.0* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.5 | 20.0 | NA | NA | 20.0 | 0.0 | NA | NA | 20.5 | 12.9 | 0.0 | 1,302.6 |
| 1965 | 0.0 | -0.3 | 24.0 | NA | NA | 24.0 | 0.0 | NA | NA | 23.7 | R 18.0 | 0.0 | R 1,597.2 |
| 1970 | 37.9 | -4.2 | 30.1 | NA | NA | 30.1 | 0.0 | NA | NA | 25.9 | R 19.7 | 0.0 | R 2,027.9 |
| 1971 | 41.5 | -3.2 | 29.9 | NA | NA | 29.9 | 0.0 | NA | NA | 26.6 | R 58.3 | 0.0 | R 2,018.0 |
| 1972 | 47.0 | -2.3 | 31.8 | NA | NA | 31.8 | 0.0 | NA | NA | 29.6 | R 90.5 | 0.0 | R 2,134.9 |
| 1973 | 39.1 | -3.5 | 33.7 | NA | NA | 33.7 | 0.0 | NA | NA | 30.3 | R 98.4 | 0.0 | R 2,182.5 |
| 1974 | 41.0 | -2.9 | 36.0 | NA | NA | 36.0 | 0.0 | NA | NA | 33.1 | R 128.1 | 0.0 | R 2,044.1 |
| 1975 | 34.6 | -2.8 | 33.8 | NA | NA | 33.8 | 0.0 | NA | NA | 30.9 | R 236.9 | 0.0 | R 1,938.2 |
| 1976 | 42.6 | -2.5 | 37.6 | NA | NA | 37.6 | 0.0 | NA | NA | 35.1 | R 241.3 | 0.0 | R 2,108.3 |
| 1977 | 74.9 | -1.7 | 40.3 | NA | NA | 40.3 | 0.0 | NA | NA | 38.5 | R 200.5 | 0.0 | R 2,053.8 |
| 1978 | 89.4 | -1.8 | 43.5 | NA | NA | 43.5 | 0.0 | NA | NA | 41.7 | R 229.7 | 0.0 | R 2,075.6 |
| 1979 | 71.9 | -2.9 | 46.0 | NA | NA | 46.0 | 0.0 | NA | NA | 43.1 | R 271.4 | 0.0 | R 2,103.1 |
| 1980 | 83.2 | -2.9 | 51.3 | NA | NA | 51.3 | 0.0 | NA | NA | 48.4 | R 251.3 | 0.0 | R 2,118.2 |
| 1981 | 128.8 | -2.4 | 56.8 | (s) | 0.0 | 56.8 | 0.0 | NA | NA | 54.4 | R 216.8 | 0.0 | R 2,121.6 |
| 1982 | 155.5 | -2.3 | 51.5 | 0.0 | 0.0 | 51.5 | 0.0 | NA | NA | 49.2 | R 213.3 | 0.0 | R 2,135.6 |
| 1983 | 69.0 | -2.4 | 62.7 | 0.0 | 0.0 | 62.7 | 0.0 | NA | 0.0 | 60.3 | R 281.4 | 0.0 | R 2,146.9 |
| 1984 | 60.8 | -2.6 | 51.4 | 0.0 | 0.0 | 51.4 | 0.0 | 0.0 | 0.0 | 48.8 | R 300.1 | 0.0 | R 2,253.0 |
| 1985 | 188.8 | -2.6 | 52.2 | 0.0 | 0.0 | 52.2 | 0.0 | 0.0 | 0.0 | 49.7 | R 228.9 | 0.0 | R 2,204.1 |
| 1986 | 156.3 | -3.0 | 44.5 | 0.0 | 0.0 | 44.5 | 0.0 | 0.0 | 0.0 | 41.5 | R 302.3 | 0.0 | R 2,291.6 |
| 1987 | 237.0 | -3.2 | 41.8 | 0.0 | 0.0 | 41.8 | 0.0 | 0.0 | 0.0 | 38.6 | R 218.4 | 0.0 | R 2,365.9 |
| 1988 | 253.3 | -2.3 | 44.1 | 0.0 | 0.0 | 44.1 | 0.0 | 0.0 | 0.0 | 41.9 | R 248.3 | 0.0 | R 2,384.7 |
| 1989 | 243.7 | -2.5 | 37.0 | 0.0 | 0.0 | 37.0 | 0.1 | 0.4 | 0.0 | 34.9 | R 254.1 | 0.0 | R 2,444.7 |
| 1990 | 251.5 | 0.3 | 25.4 | 0.0 | 0.0 | 25.4 | 0.1 | 0.4 | 0.0 | 26.1 | R 288.1 | 0.0 | R 2,328.8 |
| 1991 | 260.1 | 0.2 | 35.3 | 0.0 | 0.0 | 35.3 | 0.1 | 0.4 | 0.0 | 36.0 | R 277.4 | 0.0 | R 2,349.5 |
| 1992 | 226.1 | 0.2 | 37.9 | 0.0 | 0.0 | 37.9 | 0.1 | 0.4 | 0.0 | 38.6 | R 273.0 | 0.0 | R 2,449.6 |
| 1993 | 261.9 | 0.2 | 36.3 | 0.1 | 0.0 | 36.4 | 0.1 | 0.4 | 0.0 | 37.1 | R 253.5 | 0.0 | R 2,459.3 |
| 1994 | 231.3 | 0.2 | 40.7 | 0.3 | 0.0 | 41.0 | 0.1 | 0.5 | 0.0 | R 41.7 | R 248.2 | 0.0 | R 2,566.1 |
| 1995 | 176.6 | 0.1 | 42.5 | 1.0 | 0.0 | R 43.5 | 0.1 | 0.5 | 0.0 | 44.2 | R 293.2 | 0.0 | R 2,553.9 |
| 1996 | 115.8 | 0.2 | 40.4 | 0.9 | 0.0 | 41.3 | 0.1 | 0.5 | 0.0 | 42.1 | R 385.2 | 0.0 | R 2,524.2 |
| 1997 | 146.0 | 0.2 | 38.5 | 1.0 | 0.0 | R 39.4 | 0.1 | 0.5 | 0.0 | R 40.2 | R 320.6 | 0.0 | R 2,537.8 |
| 1998 | 284.6 | 0.2 | 37.9 | 0.8 | 0.0 | 38.7 | 0.1 | 0.6 | 0.0 | R 39.5 | R 217.0 | 0.0 | R 2,497.6 |
| 1999 | 302.7 | 0.2 | 39.2 | 0.6 | 0.0 | 39.8 | 0.1 | 0.6 | 0.0 | 40.7 | R 220.9 | 0.0 | R 2,611.0 |
| 2000 | 298.0 | 0.1 | 39.6 | 0.8 | 0.0 | 40.4 | 0.1 | 0.6 | 0.0 | 41.2 | R 193.2 | 0.0 | R 2,515.4 |
| 2001 | 318.2 | 0.2 | 28.1 | 1.0 | 0.0 | R 29.1 | 0.1 | 0.6 | 0.0 | 30.0 | R 212.1 | 0.0 | R 2,525.8 |
| 2002 | 322.3 | 0.1 | 27.5 | 0.1 | 0.0 | 27.6 | 0.1 | 0.9 | 0.0 | 28.7 | R 204.7 | 0.0 | R 2,545.0 |
| 2003 | 309.6 | 0.4 | 25.0 | 0.1 | 0.0 | 25.1 | 0.2 | 1.1 | 0.0 | R 26.7 | R 256.3 | 0.0 | R 2,567.6 |
| 2004 | 282.4 | 0.4 | 25.1 | 0.5 | 0.0 | R 25.6 | 0.2 | R 1.3 | 0.0 | R 27.5 | R 284.5 | (s) | R 2,621.0 |
| 2005 | 327.6 | 0.3 | R 17.5 | 9.6 | 0.0 | R 27.2 | 0.2 | R 1.5 | 0.0 | R 29.2 | R 283.6 | 0.0 | R 2,713.8 |
| 2006 | 339.9 | 0.4 | R 19.1 | 25.9 | 0.0 | R 45.0 | 0.2 | R 1.7 | 0.2 | R 47.5 | R 249.3 | 0.0 | R 2,546.2 |
| 2007 | 335.6 | 0.2 | R 17.5 | 32.4 | 0.0 | R 49.9 | 0.3 | R 2.0 | 0.2 | R 52.6 | R 254.1 | 0.0 | R 2,690.7 |
| 2008 | 336.5 | 0.3 | R 19.8 | 27.3 | 0.0 | R 47.1 | 0.3 | R 2.3 | 0.2 | R 50.2 | R 237.0 | 0.0 | R 2,590.8 |
| 2009 | 359.1 | 0.3 | 19.0 | 32.3 | 0.0 | 51.3 | 0.4 | 2.6 | 0.2 | 54.8 | 203.2 | 0.0 | 2,393.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 2,860 | 114 | 45,694 | 2,125 | 3,213 | 48,706 | 31,693 | 22,984 | 154,416 | 10 | – – | – – | – – | – – | 17,496 | – – | – – | – – |
| 1965 | 2,205 | 187 | 53,229 | 5,280 | 4,268 | 55,149 | 30,953 | 30,873 | 179,753 | 4 | – – | – – | – – | – – | 25,878 | – – | – – | – – |
| 1970 | 892 | 277 | 62,171 | 6,705 | 6,748 | 66,231 | 43,105 | 34,514 | 219,475 | 4 | – – | – – | – – | – – | 38,184 | – – | – – | – – |
| 1975 | 146 | 236 | 57,876 | 5,777 | 7,328 | 77,617 | 25,540 | 33,336 | 207,474 | 4 | – – | – – | – – | – – | 42,950 | – – | – – | – – |
| 1980 | 89 | 260 | 50,726 | 8,088 | 7,383 | 72,740 | 40,697 | 38,418 | 218,052 | 3 | – – | – – | – – | – – | 49,585 | – – | – – | – – |
| 1985 | 467 | 318 | 43,076 | 43,910 | 7,184 | 75,405 | 18,989 | 31,372 | 219,936 | 3 | – – | – – | – – | – – | 53,832 | – – | – – | – – |
| 1990 | 289 | 380 | 38,313 | 46,377 | 4,295 | 78,343 | 12,355 | 38,778 | 218,461 | 0 | – – | – – | – – | – – | 62,857 | – – | – – | – – |
| 1995 | 20 | 545 | 32,801 | 50,059 | 4,062 | 82,325 | 11,187 | 41,905 | 222,339 | 0 | – – | – – | – – | – – | 66,754 | – – | – – | – – |
| 2000 | 13 | 470 | 35,899 | 36,781 | 6,801 | 94,729 | 13,295 | 37,235 | 224,741 | 0 | – – | – – | – – | – – | 69,977 | – – | – – | – – |
| 2001 | 10 | 437 | 37,268 | 33,952 | 7,632 | 94,145 | 11,381 | 45,189 | 229,568 | 0 | – – | – – | – – | – – | 73,177 | – – | – – | – – |
| 2002 | 9 | 438 | 35,651 | 28,933 | 7,526 | 96,329 | 15,011 | 44,915 | 228,365 | 0 | – – | – – | – – | – – | 74,603 | – – | – – | – – |
| 2003 | 11 | 483 | 37,632 | 25,901 | 3,539 | 98,327 | 12,889 | 42,664 | 220,951 | 0 | – – | – – | – – | – – | 76,383 | – – | – – | – – |
| 2004 | 11 | 480 | 39,627 | 25,038 | 3,045 | 103,782 | 13,214 | 43,597 | 228,303 | 1 | – – | – – | – – | – – | 77,593 | – – | – – | – – |
| 2005 | 9 | 477 | 39,386 | 31,834 | 2,420 | 103,150 | 17,906 | 43,885 | 238,580 | 2 | – – | – – | – – | – – | 81,897 | – – | – – | – – |
| 2006 | 7 | 417 | 36,525 | 33,726 | 1,979 | 103,580 | 16,677 | 32,773 | 225,259 | 1 | – – | – – | – – | – – | 79,681 | – – | – – | – – |
| 2007 | 3 | 462 | 39,421 | 36,534 | 2,758 | 106,074 | 19,550 | 34,012 | 238,349 | 0 | – – | – – | – – | – – | 81,934 | – – | – – | – – |
| 2008 | 0 | 445 | 34,312 | 35,281 | 2,499 | 103,704 | 22,938 | 27,969 | 226,703 | 0 | – – | – – | – – | – – | 80,520 | – – | – – | – – |
| 2009 | 0 | 457 | 29,200 | 34,420 | 2,268 | 101,196 | 11,533 | 22,962 | 201,579 | 0 | – – | – – | – – | – – | 75,780 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 73.4 | 117.8 | 266.2 | 11.5 | 12.9 | 255.9 | 199.3 | 138.4 | 884.0 | 0.1 | 20.0 | NA | NA | NA | 59.7 | 1,155.0 | 147.6 | 1,302.6 |
| 1965 | 56.0 | 195.7 | 310.1 | 29.4 | 17.1 | 289.7 | 194.6 | 181.5 | 1,022.3 | (s) | 24.0 | NA | NA | NA | 88.3 | 1,386.4 | 210.8 | 1,597.2 |
| 1970 | 22.2 | 284.2 | 362.1 | 37.5 | 25.5 | 347.9 | 271.0 | 201.8 | 1,245.9 | (s) | 30.1 | NA | NA | NA | 130.3 | 1,712.7 | 315.2 | 2,027.9 |
| 1975 | 3.3 | 242.8 | 337.1 | 32.3 | 27.2 | 407.7 | 160.6 | 195.2 | 1,160.2 | (s) | 33.8 | NA | NA | NA | 146.5 | 1,586.7 | 351.5 | 1,938.2 |
| 1980 | 2.0 | 268.8 | 295.5 | 45.4 | 27.1 | 382.1 | 255.9 | 222.0 | 1,228.0 | (s) | 51.3 | NA | NA | NA | 169.2 | 1,711.8 | 406.4 | 2,118.2 |
| 1985 | 11.3 | 324.9 | 250.9 | 248.6 | 25.9 | 396.1 | 119.4 | 181.9 | 1,222.7 | (s) | 52.2 | 0.0 | NA | NA | 183.7 | 1,783.4 | 420.7 | 2,204.1 |
| 1990 | 7.3 | 389.5 | 223.2 | 262.6 | 15.6 | 411.5 | 77.7 | 222.1 | 1,212.6 | 0.0 | 21.1 | 0.0 | 0.1 | 0.4 | 214.5 | 1,836.7 | 492.1 | 2,328.8 |
| 1995 | 0.5 | 563.8 | 191.1 | 283.8 | 14.7 | 429.3 | 70.3 | 242.7 | 1,232.0 | 0.0 | 21.1 | 0.0 | 0.1 | 0.5 | 227.8 | 2,039.8 | 514.1 | 2,553.9 |
| 2000 | 0.3 | 486.9 | 209.1 | 208.5 | 24.5 | 493.5 | 83.6 | 220.6 | 1,239.9 | 0.0 | 15.6 | 0.0 | 0.1 | 0.6 | 238.8 | 1,975.4 | 540.0 | 2,515.4 |
| 2001 | 0.2 | 453.3 | 217.1 | 192.5 | 27.6 | 490.5 | 71.6 | 266.3 | 1,265.5 | 0.0 | 13.0 | 0.0 | 0.1 | 0.6 | 249.7 | 1,972.6 | 553.2 | 2,525.8 |
| 2002 | 0.2 | 455.4 | 207.7 | 164.1 | 27.2 | 501.7 | 94.4 | 265.5 | 1,260.4 | 0.0 | 12.0 | 0.0 | 0.1 | 0.9 | 254.5 | 1,980.9 | 564.1 | 2,545.0 |
| 2003 | 0.3 | 501.4 | 219.2 | 146.9 | 12.8 | 512.0 | 81.0 | 248.5 | 1,220.4 | 0.0 | 12.3 | 0.0 | 0.2 | 1.1 | 260.6 | 1,995.9 | 571.7 | 2,567.6 |
| 2004 | 0.3 | 499.0 | 230.8 | 142.0 | 11.0 | 541.2 | 83.1 | 252.5 | 1,260.7 | (s) | 12.9 | 0.0 | 0.2 | 1.3 | 264.7 | 2,038.7 | 582.3 | 2,621.0 |
| 2005 | 0.2 | 496.5 | 229.4 | 180.5 | 8.8 | 538.2 | 112.6 | 254.8 | 1,324.3 | (s) | 4.4 | 0.0 | 0.2 | 1.5 | 279.4 | 2,106.2 | 607.6 | 2,713.8 |
| 2006 | 0.2 | 431.6 | 212.8 | 191.2 | 7.1 | 540.5 | 104.8 | 194.2 | 1,250.6 | (s) | 5.6 | 0.0 | 0.2 | 1.7 | 271.9 | 1,961.8 | 584.5 | 2,546.2 |
| 2007 | 0.1 | 477.8 | 229.6 | 207.2 | 9.9 | 553.6 | 122.9 | 202.8 | 1,326.0 | 0.0 | 5.7 | 0.0 | 0.3 | 2.0 | 279.6 | 2,091.0 | 599.6 | 2,690.7 |
| 2008 | 0.0 | 459.9 | 199.9 | 200.0 | 9.0 | 541.1 | 144.2 | 166.0 | 1,260.2 | 0.0 | 5.7 | 0.0 | 0.3 | 2.2 | 274.7 | 2,002.8 | 588.0 | 2,590.8 |
| 2009 | 0.0 | 470.0 | 170.1 | 195.2 | 8.1 | 528.0 | 72.5 | 136.2 | 1,110.1 | 0.0 | 8.3 | 0.0 | 0.4 | 2.5 | 258.6 | 1,849.5 | 544.1 | 2,393.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 266 | 75 | 25,587 | 1,200 | 659 | 27,446 | 353 | – – | – – | 5,080 | – – | – – | – – |
| 1965 | 159 | 114 | 29,038 | 969 | 601 | 30,607 | 338 | – – | – – | 7,410 | – – | – – | – – |
| 1970 | 84 | 140 | 32,933 | 769 | 746 | 34,448 | 503 | – – | – – | 12,131 | – – | – – | – – |
| 1975 | 24 | 129 | 30,655 | 431 | 862 | 31,948 | 550 | – – | – – | 14,495 | – – | – – | – – |
| 1980 | 12 | 136 | 23,976 | 262 | 695 | 24,933 | 1,609 | – – | – – | 16,329 | – – | – – | – – |
| 1985 | 24 | 151 | 20,180 | 907 | 821 | 21,907 | 1,502 | – – | – – | 17,177 | – – | – – | – – |
| 1990 | 3 | 172 | 13,661 | 295 | 804 | 14,760 | 809 | – – | – – | 20,498 | – – | – – | – – |
| 1995 | 1 | 194 | 12,030 | 236 | 1,384 | 13,650 | 726 | – – | – – | 22,470 | – – | – – | – – |
| 1996 | 1 | 223 | 12,169 | 284 | 1,506 | 13,959 | 754 | – – | – – | 22,632 | – – | – – | – – |
| 1997 | 1 | 217 | 11,361 | 292 | 1,246 | 12,899 | 427 | – – | – – | 22,286 | – – | – – | – – |
| 1998 | 1 | 197 | 9,127 | 308 | 1,569 | 11,005 | 380 | – – | – – | 23,191 | – – | – – | – – |
| 1999 | 1 | 209 | 9,771 | 270 | 1,677 | 11,717 | 400 | – – | – – | 24,551 | – – | – – | – – |
| 2000 | 1 | 220 | 10,228 | 299 | 1,764 | 12,291 | 430 | – – | – – | 24,547 | – – | – – | – – |
| 2001 | (s) | 215 | 9,469 | 410 | 1,782 | 11,661 | 395 | – – | – – | 25,491 | – – | – – | – – |
| 2002 | (s) | 210 | 9,050 | 143 | 1,415 | 10,607 | 401 | – – | – – | 27,171 | – – | – – | – – |
| 2003 | 1 | 244 | 10,302 | 138 | 1,821 | 12,261 | 422 | – – | – – | 27,367 | – – | – – | – – |
| 2004 | 1 | 232 | 9,909 | 155 | 1,439 | 11,503 | 433 | – – | – – | 28,020 | – – | – – | – – |
| 2005 | (s) | 231 | 8,801 | 184 | 1,271 | 10,256 | R 71 | – – | – – | 29,973 | – – | – – | – – |
| 2006 | (s) | 197 | 7,079 | 116 | 1,036 | 8,231 | R 64 | – – | – – | 28,622 | – – | – – | – – |
| 2007 | (s) | 228 | 7,527 | 72 | 1,473 | 9,072 | R 71 | – – | – – | 29,752 | – – | – – | – – |
| 2008 | 0 | 220 | R 6,856 | 49 | 1,572 | R 8,477 | R 74 | – – | – – | 29,111 | – – | – – | – – |
| 2009 | 0 | 226 | 6,809 | 36 | 1,543 | 8,387 | 71 | – – | – – | 27,833 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 6.6 | 77.7 | 149.0 | 6.8 | 2.6 | 158.5 | 7.1 | NA | NA | 17.3 | 267.2 | 42.9 | 310.1 |
| 1965 | 3.9 | 119.6 | 169.1 | 5.5 | 2.4 | 177.0 | 6.8 | NA | NA | 25.3 | 332.5 | 60.4 | 392.9 |
| 1970 | 2.0 | 143.9 | 191.8 | 4.4 | 2.8 | 199.0 | 10.1 | NA | NA | 41.4 | 396.3 | R 100.1 | R 496.4 |
| 1975 | 0.5 | 133.4 | 178.6 | 2.4 | 3.2 | 184.2 | 11.0 | NA | NA | 49.5 | 378.6 | R 118.6 | R 497.3 |
| 1980 | 0.3 | 140.9 | 139.7 | 1.5 | 2.6 | 143.7 | 32.2 | NA | NA | 55.7 | 368.8 | R 133.8 | R 502.7 |
| 1985 | 0.6 | 154.3 | 117.5 | 5.1 | 3.0 | 125.6 | 30.0 | NA | NA | 58.6 | 363.6 | R 134.2 | R 497.8 |
| 1990 | 0.1 | 175.8 | 79.6 | 1.7 | 2.9 | 84.2 | 16.2 | 0.1 | 0.4 | 69.9 | 342.7 | R 160.5 | R 503.2 |
| 1995 | (s) | 201.2 | 70.1 | 1.3 | 5.0 | 76.4 | 14.5 | 0.1 | 0.5 | 76.7 | 367.3 | R 173.1 | R 540.3 |
| 1996 | (s) | 230.9 | 70.9 | 1.6 | 5.4 | 77.9 | 15.1 | 0.1 | 0.5 | 77.2 | 399.5 | R 174.5 | R 574.0 |
| 1997 | (s) | 224.5 | 66.2 | 1.7 | 4.5 | 72.3 | 8.5 | 0.1 | 0.5 | 76.0 | R 380.0 | R 171.2 | R 551.2 |
| 1998 | (s) | 204.0 | 53.2 | 1.7 | 5.7 | 60.6 | 7.6 | 0.1 | 0.6 | 79.1 | 349.2 | R 178.3 | R 527.5 |
| 1999 | (s) | 217.8 | 56.9 | 1.5 | 6.1 | 64.5 | 8.0 | 0.1 | 0.6 | 83.8 | R 372.9 | R 190.4 | R 563.4 |
| 2000 | (s) | 227.8 | 59.6 | 1.7 | 6.4 | 67.6 | 8.6 | 0.1 | 0.6 | 83.8 | 385.3 | R 189.4 | R 574.7 |
| 2001 | (s) | 223.3 | 55.2 | 2.3 | 6.4 | 63.9 | 7.9 | 0.1 | 0.6 | 87.0 | 377.8 | R 192.7 | R 570.5 |
| 2002 | (s) | 218.0 | 52.7 | 0.8 | 5.1 | 58.6 | 8.0 | 0.1 | 0.9 | 92.7 | 377.1 | R 205.4 | R 582.5 |
| 2003 | (s) | 253.2 | 60.0 | 0.8 | 6.6 | 67.4 | 8.4 | 0.2 | 1.1 | 93.4 | 423.5 | R 204.8 | R 628.3 |
| 2004 | (s) | 241.6 | 57.7 | 0.9 | 5.2 | 63.8 | 8.7 | 0.2 | R 1.3 | 95.6 | R 410.9 | R 210.3 | R 621.2 |
| 2005 | (s) | 240.3 | 51.3 | 1.0 | 4.6 | 56.9 | R 1.4 | 0.2 | R 1.5 | 102.3 | R 402.5 | R 222.4 | R 624.8 |
| 2006 | (s) | 204.4 | 41.2 | 0.7 | 3.7 | 45.6 | R 1.3 | 0.2 | R 1.7 | 97.7 | R 350.8 | R 209.9 | R 560.8 |
| 2007 | (s) | 236.1 | 43.8 | 0.4 | 5.3 | 49.5 | R 1.4 | 0.3 | R 2.0 | 101.5 | R 390.7 | R 217.7 | R 608.4 |
| 2008 | 0.0 | 227.8 | R 39.9 | 0.3 | 5.7 | R 45.9 | R 1.5 | 0.3 | R 2.2 | 99.3 | R 376.9 | R 212.6 | R 589.5 |
| 2009 | 0.0 | 232.6 | 39.7 | 0.2 | 5.5 | 45.4 | 1.4 | 0.4 | 2.5 | 95.0 | 377.0 | 199.8 | 576.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 185 | 10 | 8,640 | 466 | 208 | 308 | 7,117 | 16,739 | NA | – – | – – | 4,391 | – – | – – | – – |
| 1965 | 120 | 20 | 9,805 | 377 | 190 | 420 | 7,473 | 18,265 | NA | – – | – – | 6,945 | – – | – – | – – |
| 1970 | 66 | 56 | 11,121 | 299 | 236 | 613 | 11,415 | 23,683 | NA | – – | – – | 10,799 | – – | – – | – – |
| 1975 | 56 | 53 | 10,351 | 168 | 272 | 634 | 6,484 | 17,909 | NA | – – | – – | 13,849 | – – | – – | – – |
| 1980 | 44 | 60 | 9,167 | 39 | 219 | 297 | 10,950 | 20,672 | NA | – – | – – | 16,878 | – – | – – | – – |
| 1985 | 84 | 83 | 6,296 | 77 | 259 | 660 | 3,128 | 10,420 | NA | – – | – – | 20,903 | – – | – – | – – |
| 1990 | 10 | 116 | 8,217 | 178 | 254 | 754 | 1,460 | 10,863 | 0 | – – | – – | 27,201 | – – | – – | – – |
| 1995 | 6 | 139 | 3,467 | 566 | 437 | 78 | 1,238 | 5,786 | 0 | – – | – – | 30,170 | – – | – – | – – |
| 1996 | 7 | 150 | 4,944 | 243 | 476 | 77 | 1,281 | 7,021 | 0 | – – | – – | 30,520 | – – | – – | – – |
| 1997 | 5 | 169 | 3,406 | 750 | 393 | 79 | 794 | 5,422 | 0 | – – | – – | 30,127 | – – | – – | – – |
| 1998 | 4 | 147 | 3,061 | 1,084 | 496 | 76 | 489 | 5,207 | 0 | – – | – – | 31,489 | – – | – – | – – |
| 1999 | 4 | 164 | 4,121 | 1,244 | 530 | 75 | 591 | 6,561 | 0 | – – | – – | 32,897 | – – | – – | – – |
| 2000 | 4 | 159 | 3,340 | 1,189 | 557 | 74 | 479 | 5,639 | 0 | – – | – – | 33,474 | – – | – – | – – |
| 2001 | 4 | 131 | 3,394 | 1,248 | 563 | 77 | 385 | 5,666 | 0 | – – | – – | 34,743 | – – | – – | – – |
| 2002 | 4 | 146 | 2,414 | 452 | 447 | 73 | 279 | 3,664 | 0 | – – | – – | 35,727 | – – | – – | – – |
| 2003 | 3 | 160 | 3,052 | 247 | 643 | 74 | 442 | 4,457 | 0 | – – | – – | 36,616 | – – | – – | – – |
| 2004 | 5 | 169 | 2,680 | 276 | 549 | 72 | 347 | 3,923 | 0 | – – | – – | 38,074 | – – | – – | – – |
| 2005 | 3 | 170 | 3,498 | 351 | 393 | 71 | 281 | 4,594 | 0 | – – | – – | 39,762 | – – | – – | – – |
| 2006 | 2 | 153 | 2,092 | 140 | 327 | 70 | 217 | 2,846 | 0 | – – | – – | 39,437 | – – | – – | – – |
| 2007 | 2 | 169 | 3,349 | 108 | 430 | 76 | 233 | 4,196 | 0 | – – | – – | 40,876 | – – | – – | – – |
| 2008 | 0 | 169 | R 2,308 | 56 | 391 | 74 | 483 | R 3,312 | 0 | – – | – – | 40,570 | – – | – – | – – |
| 2009 | 0 | 180 | 2,283 | 38 | 369 | 68 | 430 | 3,188 | 0 | – – | – – | 39,377 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 4.6 | 10.7 | 50.3 | 2.6 | 0.8 | 1.6 | 44.7 | 100.2 | NA | 0.1 | NA | 15.0 | 130.5 | R 37.0 | 167.6 |
| 1965 | 2.9 | 21.1 | 57.1 | 2.1 | 0.8 | 2.2 | 47.0 | 109.2 | NA | 0.1 | NA | 23.7 | 157.1 | 56.6 | 213.6 |
| 1970 | 1.6 | 57.4 | 64.8 | 1.7 | 0.9 | 3.2 | 71.8 | 142.3 | NA | 0.2 | NA | 36.8 | 238.3 | R 89.1 | 327.5 |
| 1975 | 1.2 | 55.0 | 60.3 | 1.0 | 1.0 | 3.3 | 40.8 | 106.4 | NA | 0.2 | NA | 47.3 | 210.1 | R 113.3 | R 323.4 |
| 1980 | 1.0 | 62.5 | 53.4 | 0.2 | 0.8 | 1.6 | 68.8 | 124.8 | NA | 0.8 | NA | 57.6 | 244.9 | R 138.3 | R 383.3 |
| 1985 | 2.0 | 85.3 | 36.7 | 0.4 | 0.9 | 3.5 | 19.7 | 61.2 | NA | 0.7 | NA | 71.3 | 217.4 | R 163.3 | R 380.8 |
| 1990 | 0.3 | 118.4 | 47.9 | 1.0 | 0.9 | 4.0 | 9.2 | 62.9 | 0.0 | 1.8 | 0.0 | 92.8 | 273.6 | R 213.0 | R 486.5 |
| 1995 | 0.2 | 143.8 | 20.2 | 3.2 | 1.6 | 0.4 | 7.8 | 33.2 | 0.0 | 2.0 | 0.0 | 102.9 | 280.6 | R 232.4 | R 513.0 |
| 1996 | 0.2 | 156.0 | 28.8 | 1.4 | 1.7 | 0.4 | 8.1 | 40.4 | 0.0 | 2.1 | 0.0 | 104.1 | 301.3 | R 235.3 | R 536.6 |
| 1997 | 0.1 | 174.7 | 19.8 | 4.3 | 1.4 | 0.4 | 5.0 | 30.9 | 0.0 | 1.6 | 0.0 | 102.8 | 308.5 | R 231.4 | R 539.9 |
| 1998 | 0.1 | 152.1 | 17.8 | 6.1 | 1.8 | 0.4 | 3.1 | 29.2 | 0.0 | 1.3 | 0.0 | 107.4 | 288.1 | R 242.1 | R 530.3 |
| 1999 | 0.1 | 170.3 | 24.0 | 7.1 | 1.9 | 0.4 | 3.7 | 37.1 | 0.0 | 1.4 | 0.0 | 112.2 | 319.7 | R 255.2 | R 574.9 |
| 2000 | 0.1 | 164.3 | 19.5 | 6.7 | 2.0 | 0.4 | 3.0 | 31.6 | 0.0 | 1.4 | 0.0 | 114.2 | 309.4 | R 258.3 | R 567.7 |
| 2001 | 0.1 | 136.5 | 19.8 | 7.1 | 2.0 | 0.4 | 2.4 | 31.7 | 0.0 | 1.4 | 0.0 | 118.5 | 285.2 | R 262.6 | R 547.9 |
| 2002 | 0.1 | 151.9 | 14.1 | 2.6 | 1.6 | 0.4 | 1.8 | 20.4 | 0.0 | 1.5 | 0.0 | 121.9 | 294.8 | R 270.1 | R 564.9 |
| 2003 | 0.1 | 165.8 | 17.8 | 1.4 | 2.3 | 0.4 | 2.8 | 24.7 | 0.0 | 1.5 | 0.0 | 124.9 | 316.9 | R 274.1 | R 591.0 |
| 2004 | 0.1 | 175.4 | 15.6 | 1.6 | 2.0 | 0.4 | 2.2 | 21.7 | 0.0 | 1.5 | 0.0 | 129.9 | 328.5 | R 285.7 | R 614.2 |
| 2005 | 0.1 | 176.7 | 20.4 | 2.0 | 1.4 | 0.4 | 1.8 | 25.9 | 0.0 | R 0.2 | 0.0 | 135.7 | R 338.4 | R 295.0 | R 633.5 |
| 2006 | (s) | 158.0 | 12.2 | 0.8 | 1.2 | 0.4 | 1.4 | 15.9 | 0.0 | R 0.2 | 0.0 | 134.6 | R 308.7 | R 289.3 | R 598.0 |
| 2007 | 0.1 | 174.7 | 19.5 | 0.6 | 1.5 | 0.4 | 1.5 | 23.5 | 0.0 | R 0.2 | 0.0 | 139.5 | R 337.9 | R 299.2 | R 637.0 |
| 2008 | 0.0 | 174.2 | R 13.4 | 0.3 | 1.4 | 0.4 | 3.0 | R 18.6 | 0.0 | R 0.3 | 0.0 | 138.4 | R 331.3 | R 296.3 | R 627.6 |
| 2009 | 0.0 | 185.6 | 13.3 | 0.2 | 1.3 | 0.4 | 2.7 | 17.9 | 0.0 | 3.2 | 0.0 | 134.4 | 340.9 | 282.7 | 623.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,368 | 28 | 6,719 | 2,340 | 612 | 18,822 | 19,486 | 47,980 | 10 | – – | – – | – – | 8,021 | – – | – – | – – |
| 1965 | 1,921 | 52 | 8,423 | 3,438 | 532 | 17,049 | 27,755 | 57,196 | 4 | – – | – – | – – | 11,519 | – – | – – | – – |
| 1970 | 740 | 80 | 9,560 | 5,665 | 401 | 22,609 | 32,713 | 70,948 | 4 | – – | – – | – – | 15,215 | – – | – – | – – |
| 1975 | 67 | 52 | 7,963 | 6,096 | 233 | 14,809 | 32,040 | 61,142 | 4 | – – | – – | – – | 14,562 | – – | – – | – – |
| 1980 | 33 | 63 | 7,339 | 6,429 | 147 | 17,694 | 37,321 | 68,931 | 3 | – – | – – | – – | 16,345 | – – | – – | – – |
| 1985 | 359 | 81 | 2,835 | 5,994 | 462 | 4,851 | 29,555 | 43,697 | 3 | – – | – – | – – | 15,657 | – – | – – | – – |
| 1990 | 276 | 90 | 3,453 | 3,163 | 460 | 3,622 | 37,456 | 48,154 | 0 | – – | – – | – – | 15,041 | – – | – – | – – |
| 1995 | 13 | 209 | 1,994 | 2,172 | 602 | 1,901 | 40,262 | 46,931 | 0 | – – | – – | – – | 13,989 | – – | – – | – – |
| 1996 | 7 | 196 | 1,927 | 1,773 | 597 | 1,660 | 33,271 | 39,228 | 0 | – – | – – | – – | 13,603 | – – | – – | – – |
| 1997 | 10 | 193 | 1,789 | 2,523 | 628 | 1,356 | 37,817 | 44,113 | 0 | – – | – – | – – | 13,369 | – – | – – | – – |
| 1998 | 10 | 199 | 2,002 | 1,599 | 509 | 855 | 34,824 | 39,789 | 0 | – – | – – | – – | 13,339 | – – | – – | – – |
| 1999 | 8 | 197 | 2,076 | 5,352 | 242 | 633 | 38,583 | 46,887 | 0 | – – | – – | – – | 13,121 | – – | – – | – – |
| 2000 | 8 | 88 | 1,795 | 4,457 | 259 | 590 | 34,914 | 42,016 | 0 | – – | – – | – – | 11,812 | – – | – – | – – |
| 2001 | 6 | 86 | 2,434 | 5,250 | 962 | 600 | 42,789 | 52,035 | 0 | – – | – – | – – | 12,707 | – – | – – | – – |
| 2002 | 5 | 80 | 2,149 | 5,479 | 992 | 292 | 43,432 | 52,344 | 0 | – – | – – | – – | 11,476 | – – | – – | – – |
| 2003 | 7 | 77 | 2,088 | 940 | 1,074 | 506 | 41,441 | 46,050 | 0 | – – | – – | – – | 12,215 | – – | – – | – – |
| 2004 | 6 | 77 | 3,135 | 984 | 1,211 | 539 | 42,423 | 48,291 | 1 | – – | – – | – – | 11,210 | – – | – – | – – |
| 2005 | 6 | 75 | 1,958 | 670 | 1,054 | 430 | 42,614 | 46,724 | 2 | – – | – – | – – | 11,862 | – – | – – | – – |
| 2006 | 5 | 66 | 2,231 | 546 | 1,096 | 469 | R 31,817 | R 36,159 | 1 | – – | – – | – – | 11,331 | – – | – – | – – |
| 2007 | 0 | 63 | 1,977 | 770 | 1,175 | 512 | R 33,062 | R 37,497 | 0 | – – | – – | – – | 11,013 | – – | – – | – – |
| 2008 | 0 | 54 | R 1,819 | R 419 | 953 | 324 | R 27,196 | R 30,711 | 0 | – – | – – | – – | 10,537 | – – | – – | – – |
| 2009 | 0 | 48 | 1,741 | 291 | 913 | 368 | 22,311 | 25,624 | 0 | – – | – – | – – | 8,250 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 61.2 | 28.7 | 39.1 | 9.4 | 3.2 | 118.3 | 119.0 | 289.1 | 0.1 | 12.8 | NA | NA | 27.4 | 419.3 | 67.7 | 487.0 |
| 1965 | 49.0 | 54.6 | 49.1 | 13.8 | 2.8 | 107.2 | 164.3 | 337.1 | (s) | 17.1 | NA | NA | 39.3 | 497.2 | R 93.8 | R 591.0 |
| 1970 | 18.6 | 81.9 | 55.7 | 21.4 | 2.1 | 142.1 | 191.5 | 412.8 | (s) | 19.9 | NA | NA | 51.9 | 585.2 | R 125.6 | 710.8 |
| 1975 | 1.6 | 54.0 | 46.4 | 22.6 | 1.2 | 93.1 | 187.7 | 351.1 | (s) | 22.6 | NA | NA | 49.7 | 478.9 | R 119.2 | R 598.1 |
| 1980 | 0.8 | 64.9 | 42.7 | 23.6 | 0.8 | 111.2 | 215.6 | 394.0 | (s) | 18.3 | NA | NA | 55.8 | 532.0 | R 134.0 | R 665.9 |
| 1985 | 8.8 | 83.0 | 16.5 | 21.6 | 2.4 | 30.5 | 171.4 | 242.5 | (s) | 21.5 | 0.0 | NA | 53.4 | 406.3 | R 122.4 | R 528.6 |
| 1990 | 7.0 | 92.6 | 20.1 | 11.5 | 2.4 | 22.8 | 214.3 | 271.1 | 0.0 | 3.1 | 0.0 | 0.0 | 51.3 | 423.0 | R 117.8 | R 540.7 |
| 1995 | 0.3 | 216.2 | 11.6 | 7.9 | 3.1 | 12.0 | 233.2 | 267.8 | 0.0 | 4.5 | 0.0 | 0.0 | 47.7 | 534.3 | R 107.7 | R 642.0 |
| 1996 | 0.2 | 202.8 | 11.2 | 6.4 | 3.1 | 10.4 | 195.6 | 226.7 | 0.0 | 6.4 | 0.0 | 0.0 | 46.4 | 480.6 | R 104.9 | R 585.5 |
| 1997 | 0.3 | 199.7 | 10.4 | 9.1 | 3.3 | 8.5 | 224.4 | 255.7 | 0.0 | 6.7 | 0.0 | 0.0 | 45.6 | 506.2 | R 102.7 | R 608.9 |
| 1998 | 0.2 | 206.3 | 11.7 | 5.8 | 2.7 | 5.4 | 206.2 | 231.7 | 0.0 | 5.6 | 0.0 | 0.0 | 45.5 | 486.5 | R 102.6 | R 589.1 |
| 1999 | 0.2 | 205.1 | 12.1 | 19.4 | 1.3 | 4.0 | 230.3 | 266.9 | 0.0 | 5.9 | 0.0 | 0.0 | 44.8 | 521.2 | R 101.8 | R 623.0 |
| 2000 | 0.2 | 91.6 | 10.5 | 16.1 | 1.4 | 3.7 | 207.2 | 238.8 | 0.0 | 5.6 | 0.0 | 0.0 | 40.3 | 375.1 | R 91.1 | R 466.3 |
| 2001 | 0.1 | 89.4 | 14.2 | 19.0 | 5.0 | 3.8 | 252.5 | 294.4 | 0.0 | 3.7 | 0.0 | 0.0 | 43.4 | 429.0 | R 96.1 | R 525.1 |
| 2002 | 0.1 | 83.6 | 12.5 | 19.8 | 5.2 | 1.8 | 256.9 | 296.2 | 0.0 | 2.6 | 0.0 | 0.0 | 39.2 | 421.2 | R 86.8 | R 508.0 |
| 2003 | 0.2 | 80.4 | 12.2 | 3.4 | 5.6 | 3.2 | 241.4 | 265.8 | 0.0 | 2.3 | 0.0 | 0.0 | 41.7 | 390.3 | R 91.4 | R 481.8 |
| 2004 | 0.2 | 80.0 | 18.3 | 3.6 | 6.3 | 3.4 | 245.7 | 277.2 | (s) | 2.8 | 0.0 | 0.0 | 38.2 | 398.4 | R 84.1 | R 482.5 |
| 2005 | 0.1 | 77.9 | 11.4 | 2.4 | 5.5 | 2.7 | 247.5 | 269.5 | (s) | 2.8 | 0.0 | 0.0 | 40.5 | 390.7 | R 88.0 | R 478.7 |
| 2006 | 0.1 | 68.0 | 13.0 | 2.0 | 5.7 | 2.9 | R 188.6 | R 212.2 | (s) | R 4.1 | 0.0 | 0.0 | 38.7 | R 323.1 | R 83.1 | R 406.2 |
| 2007 | 0.0 | 65.3 | 11.5 | 2.8 | 6.1 | 3.2 | R 197.2 | R 220.9 | 0.0 | R 4.0 | 0.0 | 0.0 | 37.6 | R 327.7 | R 80.6 | R 408.3 |
| 2008 | 0.0 | 55.8 | R 10.6 | 1.5 | 5.0 | 2.0 | R 161.4 | R 180.5 | 0.0 | R 4.0 | 0.0 | 0.0 | 36.0 | R 276.2 | R 77.0 | R 353.1 |
| 2009 | 0.0 | 49.9 | 10.1 | 1.0 | 4.8 | 2.3 | 132.4 | 150.6 | 0.0 | 3.7 | 0.0 | 0.0 | 28.1 | 232.3 | 59.2 | 291.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 41 | 1 | 1,147 | 4,748 | 2,125 | 6 | 685 | 47,786 | 5,754 | 62,252 | 4 | – – | – – | – – |
| 1965 | 6 | (s) | 1,153 | 5,964 | 5,280 | 40 | 619 | 54,198 | 6,431 | 73,684 | 4 | – – | – – | – – |
| 1970 | 1 | 1 | 160 | 8,558 | 6,705 | 102 | 574 | 65,217 | 9,081 | 90,396 | 39 | – – | – – | – – |
| 1975 | (s) | (s) | 92 | 8,907 | 5,777 | 98 | 605 | 76,750 | 4,246 | 96,475 | 43 | – – | – – | – – |
| 1980 | 0 | (s) | 83 | 10,243 | 8,088 | 40 | 713 | 72,296 | 12,053 | 103,516 | 33 | – – | – – | – – |
| 1985 | 0 | 2 | 184 | 13,766 | 43,910 | 111 | 649 | 74,283 | 11,010 | 143,911 | 95 | – – | – – | – – |
| 1990 | 0 | 3 | 119 | 12,982 | 46,377 | 75 | 730 | 77,129 | 7,273 | 144,684 | 117 | – – | – – | – – |
| 1995 | 0 | 3 | 145 | 15,309 | 50,059 | 69 | 696 | 81,644 | 8,049 | 155,972 | 125 | – – | – – | – – |
| 1996 | 0 | 3 | 114 | 15,705 | 43,002 | 58 | 676 | 85,370 | 6,009 | 150,933 | 135 | – – | – – | – – |
| 1997 | 0 | 3 | 133 | 18,239 | 38,754 | 106 | 714 | 88,143 | 6,663 | 152,752 | 132 | – – | – – | – – |
| 1998 | 0 | 3 | 132 | 19,482 | 37,103 | 53 | 747 | 91,149 | 6,658 | 155,324 | 143 | – – | – – | – – |
| 1999 | 0 | 4 | 106 | 19,768 | 36,343 | 10 | 755 | 91,466 | 6,478 | 154,925 | 134 | – – | – – | – – |
| 2000 | 0 | 3 | 90 | 20,536 | 36,781 | 22 | 744 | 94,396 | 12,226 | 164,795 | 144 | – – | – – | – – |
| 2001 | 0 | 4 | 61 | 21,971 | 33,952 | 37 | 681 | 93,107 | 10,397 | 160,206 | 237 | – – | – – | – – |
| 2002 | 0 | 2 | 214 | 22,039 | 28,933 | 185 | 673 | 95,265 | 14,440 | 161,750 | 228 | – – | – – | – – |
| 2003 | 0 | 2 | 215 | 22,189 | 25,901 | 135 | 622 | 97,179 | 11,941 | 158,183 | 184 | – – | – – | – – |
| 2004 | 0 | 2 | 113 | 23,903 | 25,038 | 74 | 631 | 102,499 | 12,328 | 164,585 | 290 | – – | – – | – – |
| 2005 | 0 | 2 | 109 | 25,130 | 31,834 | 87 | 627 | 102,025 | 17,195 | 177,007 | 299 | – – | – – | – – |
| 2006 | 0 | 1 | 88 | 25,123 | 33,726 | 70 | 611 | 102,414 | 15,991 | 178,023 | 291 | – – | – – | – – |
| 2007 | 0 | 2 | 139 | 26,568 | 36,534 | 85 | 631 | 104,822 | 18,804 | 187,584 | 293 | – – | – – | – – |
| 2008 | 0 | 2 | 81 | R 23,329 | 35,281 | R 118 | 586 | 102,677 | 22,130 | R 184,203 | 302 | – – | – – | – – |
| 2009 | 0 | 2 | 51 | 18,367 | 34,420 | 66 | 527 | 100,215 | 10,735 | 164,381 | 320 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.0 | 0.6 | 5.8 | 27.7 | 11.5 | (s) | 4.2 | 251.0 | 36.2 | 336.3 | (s) | 337.9 | (s) | 338.0 |
| 1965 | 0.2 | 0.5 | 5.8 | 34.7 | 29.4 | 0.2 | 3.8 | 284.7 | 40.4 | 399.0 | (s) | 399.6 | (s) | 399.7 |
| 1970 | (s) | 1.0 | 0.8 | 49.8 | 37.5 | 0.4 | 3.5 | 342.6 | 57.1 | 491.7 | 0.1 | 492.8 | 0.3 | 493.1 |
| 1975 | (s) | 0.4 | 0.5 | 51.9 | 32.3 | 0.4 | 3.7 | 403.2 | 26.7 | 518.6 | 0.1 | 519.1 | 0.4 | 519.5 |
| 1980 | 0.0 | 0.5 | 0.4 | 59.7 | 45.4 | 0.1 | 4.3 | 379.8 | 75.8 | 565.5 | 0.1 | 566.1 | 0.3 | 566.3 |
| 1985 | 0.0 | 2.3 | 0.9 | 80.2 | 248.6 | 0.4 | 3.9 | 390.2 | 69.2 | 793.4 | 0.3 | 796.1 | 0.7 | 796.8 |
| 1990 | 0.0 | 2.7 | 0.6 | 75.6 | 262.6 | 0.3 | 4.4 | 405.2 | 45.7 | 794.4 | 0.4 | 797.5 | 0.9 | 798.4 |
| 1995 | 0.0 | 2.7 | 0.7 | 89.2 | 283.8 | 0.2 | 4.2 | 425.8 | 50.6 | 854.6 | 0.4 | 857.7 | 1.0 | 858.6 |
| 1996 | 0.0 | 3.3 | 0.6 | 91.5 | 243.8 | 0.2 | 4.1 | 445.3 | 37.8 | 823.3 | 0.5 | 827.0 | 1.0 | 828.1 |
| 1997 | 0.0 | 3.6 | 0.7 | 106.2 | 219.7 | 0.4 | 4.3 | 459.5 | 41.9 | 832.7 | 0.5 | 836.8 | 1.0 | 837.8 |
| 1998 | 0.0 | 3.0 | 0.7 | 113.5 | 210.4 | 0.2 | 4.5 | 475.1 | 41.9 | 846.2 | 0.5 | 849.7 | 1.1 | 850.8 |
| 1999 | 0.0 | 4.5 | 0.5 | 115.1 | 206.1 | (s) | 4.6 | 476.6 | 40.7 | 843.7 | 0.5 | 848.7 | 1.0 | 849.7 |
| 2000 | 0.0 | 3.3 | 0.5 | 119.6 | 208.5 | 0.1 | 4.5 | 491.8 | 76.9 | 901.9 | 0.5 | 905.6 | 1.1 | 906.8 |
| 2001 | 0.0 | 4.2 | 0.3 | 128.0 | 192.5 | 0.1 | 4.1 | 485.1 | 65.4 | 875.5 | 0.8 | 880.5 | 1.8 | 882.3 |
| 2002 | 0.0 | 1.8 | 1.1 | 128.4 | 164.1 | 0.7 | 4.1 | 496.1 | 90.8 | 885.2 | 0.8 | 887.8 | 1.7 | 889.5 |
| 2003 | 0.0 | 2.0 | 1.1 | 129.3 | 146.9 | 0.5 | 3.8 | 506.0 | 75.1 | 862.5 | 0.6 | 865.2 | 1.4 | 866.5 |
| 2004 | 0.0 | 2.0 | 0.6 | 139.2 | 142.0 | 0.3 | 3.8 | 534.5 | 77.5 | 897.9 | 1.0 | 900.8 | 2.2 | 903.0 |
| 2005 | 0.0 | 1.6 | 0.5 | 146.4 | 180.5 | 0.3 | 3.8 | 532.4 | 108.1 | 972.0 | 1.0 | 974.6 | 2.2 | 976.8 |
| 2006 | 0.0 | 1.2 | 0.4 | 146.3 | 191.2 | 0.3 | 3.7 | 534.4 | 100.5 | 976.9 | 1.0 | 979.1 | 2.1 | 981.3 |
| 2007 | 0.0 | 1.7 | 0.7 | 154.8 | 207.2 | 0.3 | 3.8 | 547.1 | 118.2 | 1,032.0 | 1.0 | 1,034.8 | R 2.1 | 1,036.9 |
| 2008 | 0.0 | R 2.1 | 0.4 | R 135.9 | 200.0 | 0.4 | 3.6 | 535.8 | 139.1 | R 1,015.2 | 1.0 | R 1,018.4 | 2.2 | R 1,020.6 |
| 2009 | 0.0 | 1.9 | 0.3 | 107.0 | 195.2 | 0.2 | 3.2 | 522.9 | 67.5 | 896.2 | 1.1 | 899.3 | 2.3 | 901.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, New Jersey

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 3,565 | 25 | 11,160 | 357 | 0 | 11,518 | 0 | 35 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 6,829 | 22 | 11,947 | 382 | 0 | 12,329 | 0 | -35 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 4,054 | 46 | 37,665 | 1,220 | 0 | 38,885 | 3,454 | -407 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 2,250 | 9 | 23,924 | 2,244 | 0 | 26,168 | 3,146 | -276 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 2,545 | 80 | 12,919 | 2,821 | 0 | 15,740 | 7,627 | -286 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 3,476 | 61 | 4,997 | 671 | 0 | 5,668 | 17,770 | -247 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 2,740 | 66 | 2,839 | 686 | 0 | 3,525 | 23,770 | 31 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 2,996 | 152 | 1,339 | 1,279 | 0 | 2,618 | 16,806 | 11 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 3,308 | 129 | 759 | 626 | 0 | 1,385 | 11,028 | 19 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 3,824 | 135 | 352 | 477 | 0 | 829 | 13,908 | 18 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 3,284 | 135 | 668 | 519 | 0 | 1,187 | 27,132 | 21 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 3,392 | 141 | 691 | 712 | 0 | 1,404 | 28,971 | 17 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 4,382 | 135 | 737 | 1,135 | 0 | 1,872 | 28,578 | 14 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 4,305 | 128 | 1,261 | 1,343 | 0 | 2,604 | 30,469 | 18 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 4,070 | 160 | 852 | 286 | 0 | 1,138 | 30,866 | 12 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 4,180 | 130 | 1,212 | 776 | 0 | 1,988 | 29,709 | 39 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 4,429 | 141 | 840 | 691 | 0 | 1,531 | 27,082 | 36 | – – | 0 | 0 | 0 | (s) | – – |
| 2005 | 4,995 | 125 | 874 | 428 | 0 | 1,302 | 31,392 | 29 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 4,635 | 131 | 205 | 127 | 0 | 331 | 32,568 | 34 | – – | 0 | 0 | 16 | 0 | – – |
| 2007 | 4,669 | 157 | 230 | 226 | 0 | 456 | 32,010 | 21 | – – | 0 | 0 | 20 | 0 | – – |
| 2008 | 4,165 | 170 | 99 | 219 | 0 | 319 | 32,195 | 26 | – – | 0 | 3 | 21 | 0 | – – |
| 2009 | 2,541 | 164 | 76 | 59 | 0 | 136 | 34,328 | 32 | – – | 0 | 11 | 21 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 95.4 | 26.4 | 70.2 | 2.1 | 0.0 | 72.2 | 0.0 | 0.4 | 0.0 | 0.0 | NA | NA | 0.0 | 194.4 |
| 1965 | 180.7 | 23.4 | 75.1 | 2.2 | 0.0 | 77.3 | 0.0 | -0.4 | 0.0 | 0.0 | NA | NA | 0.0 | 281.1 |
| 1970 | 101.1 | 47.1 | 236.8 | 7.1 | 0.0 | 243.9 | 37.9 | -4.3 | 0.0 | 0.0 | NA | NA | 0.0 | 425.8 |
| 1975 | 57.2 | 8.8 | 150.4 | 13.0 | 0.0 | 163.4 | 34.6 | -2.9 | 0.0 | 0.0 | NA | NA | 0.0 | 261.2 |
| 1980 | 66.6 | 82.2 | 81.2 | 16.3 | 0.0 | 97.5 | 83.2 | -3.0 | 0.0 | 0.0 | NA | NA | 0.0 | 324.3 |
| 1985 | 92.0 | 64.2 | 31.4 | 3.9 | 0.0 | 35.3 | 188.8 | -2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 375.4 |
| 1990 | 73.5 | 68.5 | 17.8 | 4.0 | 0.0 | 21.8 | 251.5 | 0.3 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 418.5 |
| 1995 | 79.4 | 156.9 | 8.4 | 7.4 | 0.0 | 15.9 | 176.6 | 0.1 | 21.4 | 0.0 | 0.0 | 0.0 | 0.0 | 448.7 |
| 1996 | 86.2 | 132.6 | 4.8 | 3.6 | 0.0 | 8.4 | 115.8 | 0.2 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 | 358.8 |
| 1997 | 99.5 | 139.5 | 2.2 | 2.8 | 0.0 | 5.0 | 146.0 | 0.2 | 21.7 | 0.0 | 0.0 | 0.0 | 0.0 | 410.5 |
| 1998 | 85.9 | 140.1 | 4.2 | 3.0 | 0.0 | 7.2 | 284.6 | 0.2 | 23.5 | 0.0 | 0.0 | 0.0 | 0.0 | 539.7 |
| 1999 | 88.7 | 145.9 | 4.3 | 4.1 | 0.0 | 8.5 | 302.7 | 0.2 | 23.9 | 0.0 | 0.0 | 0.0 | 0.0 | 568.8 |
| 2000 | 114.4 | 139.6 | 4.6 | 6.6 | 0.0 | 11.2 | 298.0 | 0.1 | 24.0 | 0.0 | 0.0 | 0.0 | 0.0 | 585.6 |
| 2001 | 112.0 | 132.5 | 7.9 | 7.8 | 0.0 | 15.8 | 318.2 | 0.2 | 15.1 | 0.0 | 0.0 | 0.0 | 0.0 | 590.8 |
| 2002 | 104.6 | 165.4 | 5.4 | 1.7 | 0.0 | 7.0 | 322.3 | 0.1 | 15.5 | 0.0 | 0.0 | 0.0 | 0.0 | 613.9 |
| 2003 | 106.6 | 134.7 | 7.6 | 4.5 | 0.0 | 12.1 | 309.6 | 0.4 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 576.1 |
| 2004 | 112.4 | 146.1 | 5.3 | 4.0 | 0.0 | 9.3 | 282.4 | 0.4 | 12.2 | 0.0 | 0.0 | 0.0 | (s) | 562.6 |
| 2005 | 125.1 | 129.4 | 5.5 | 2.5 | 0.0 | 8.0 | 327.6 | 0.3 | 13.1 | 0.0 | 0.0 | 0.0 | 0.0 | 603.4 |
| 2006 | 115.9 | 135.3 | 1.3 | 0.7 | 0.0 | 2.0 | 339.9 | 0.3 | 13.5 | 0.0 | 0.0 | 0.2 | 0.0 | 607.1 |
| 2007 | 111.7 | 162.8 | 1.4 | 1.3 | 0.0 | 2.8 | 335.6 | 0.2 | 11.9 | 0.0 | 0.0 | 0.2 | 0.0 | 625.1 |
| 2008 | 97.7 | 175.3 | 0.6 | 1.3 | 0.0 | 1.9 | 336.5 | 0.3 | 14.1 | 0.0 | (s) | 0.2 | 0.0 | 625.8 |
| 2009 | 59.6 | 168.9 | 0.5 | 0.3 | 0.0 | 0.8 | 359.1 | 0.3 | 10.7 | 0.0 | 0.1 | 0.2 | 0.0 | 599.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 174 | 200 | 3,067 | 2,186 | 3,014 | 9,555 | 191 | 2,313 | 20,325 | 0 | 69 | NA |
| 1965 | 2,450 | 202 | 3,895 | 2,530 | 3,334 | 10,806 | 699 | 2,863 | 24,127 | 0 | 43 | NA |
| 1970 | 5,529 | 270 | 5,410 | 3,110 | 4,413 | 13,146 | 220 | 3,301 | 29,601 | 0 | 66 | NA |
| 1971 | 6,690 | 269 | 5,404 | 2,994 | 4,310 | 14,161 | 430 | 2,626 | 29,925 | 0 | 27 | NA |
| 1972 | 6,857 | 288 | 6,565 | 2,862 | 5,026 | 15,085 | 650 | 2,901 | 33,090 | 0 | 20 | NA |
| 1973 | 7,534 | 257 | 7,647 | 2,723 | 4,520 | 16,060 | 1,588 | 3,487 | 36,026 | 0 | 65 | NA |
| 1974 | 7,930 | 257 | 6,922 | 2,749 | 4,338 | 15,719 | 2,374 | 3,941 | 36,043 | 0 | 73 | NA |
| 1975 | 7,425 | 240 | 6,717 | 2,667 | 3,865 | 16,493 | 3,046 | 4,166 | 36,955 | 0 | 63 | NA |
| 1976 | 7,698 | 279 | 7,324 | 2,440 | 3,853 | 17,423 | 2,454 | 4,114 | 37,608 | 0 | 76 | NA |
| 1977 | 8,590 | 230 | 8,805 | 2,595 | 3,938 | 18,005 | 2,274 | 3,912 | 39,528 | 0 | 28 | NA |
| 1978 | 8,079 | 214 | 9,512 | 2,338 | 3,604 | 18,922 | 1,333 | 4,247 | 39,956 | 0 | 30 | NA |
| 1979 | 8,563 | 211 | 9,429 | 2,647 | 4,496 | 17,976 | 1,041 | 4,554 | 40,143 | 0 | 68 | NA |
| 1980 | 11,458 | 222 | 7,967 | 2,673 | 4,710 | 16,913 | 1,033 | 4,639 | 37,937 | 0 | 94 | NA |
| 1981 | 10,750 | 196 | 12,471 | 2,554 | 3,120 | 16,972 | 854 | 3,457 | 39,428 | 0 | 88 | 0 |
| 1982 | 12,312 | 204 | 7,978 | 2,629 | 2,720 | 17,144 | 792 | 3,521 | 34,784 | 0 | 79 | 3 |
| 1983 | 14,469 | 179 | 6,754 | 2,638 | 2,736 | 17,088 | 3,441 | 5,461 | 38,118 | 0 | 89 | 62 |
| 1984 | 13,979 | 162 | 6,369 | 2,999 | 5,716 | 17,447 | 2,287 | 3,582 | 38,401 | 0 | 94 | 143 |
| 1985 | 14,589 | 151 | 7,381 | 2,873 | 3,002 | 17,905 | 825 | 3,075 | 35,061 | 0 | 128 | 142 |
| 1986 | 13,245 | 134 | 8,464 | 2,783 | 1,757 | 18,298 | 263 | 3,197 | 34,762 | 0 | 166 | 128 |
| 1987 | 14,395 | 153 | 8,810 | 2,983 | 1,537 | 18,941 | 87 | 3,796 | 36,153 | 0 | 164 | 242 |
| 1988 | 14,715 | 173 | 8,685 | 2,812 | 1,497 | 19,302 | 120 | 4,024 | 36,440 | 0 | 100 | 359 |
| 1989 | 15,295 | 196 | 7,951 | 2,849 | 3,879 | 18,897 | 182 | 3,696 | 37,454 | 0 | 232 | 495 |
| 1990 | 15,111 | 239 | 7,973 | 2,912 | 7,943 | 18,647 | 148 | 3,507 | 41,129 | 0 | 205 | 371 |
| 1991 | 12,858 | 219 | 8,359 | 2,441 | 11,735 | 19,148 | 128 | 3,782 | 45,593 | 0 | 237 | 365 |
| 1992 | 14,832 | 203 | 8,697 | 2,834 | 10,457 | 19,432 | 128 | 4,390 | 45,938 | 0 | 255 | 288 |
| 1993 | 15,012 | 217 | 7,615 | 3,303 | 9,616 | 20,394 | 181 | 4,850 | 45,960 | 0 | 294 | 59 |
| 1994 | 15,374 | 221 | 6,806 | 2,576 | 8,767 | 20,806 | 176 | 4,614 | 43,745 | 0 | 213 | 153 |
| 1995 | 15,221 | 215 | 5,067 | 2,222 | 8,191 | 21,014 | 179 | 4,256 | 40,928 | 0 | 264 | 472 |
| 1996 | 15,297 | 227 | 10,049 | 1,615 | 2,015 | 20,247 | 195 | 6,570 | 40,691 | 0 | 211 | 398 |
| 1997 | 15,886 | 257 | 10,797 | 1,752 | 2,667 | 21,505 | 158 | 6,404 | 43,283 | 0 | 259 | 399 |
| 1998 | 15,963 | 246 | 11,377 | 2,198 | 2,801 | 21,918 | 136 | 6,895 | 45,324 | 0 | 236 | 671 |
| 1999 | 16,303 | 236 | 11,605 | 2,723 | 4,115 | 22,189 | 141 | 6,789 | 47,562 | 0 | 243 | 560 |
| 2000 | 16,585 | 266 | 11,937 | 3,017 | 2,856 | 21,247 | 136 | 6,562 | 45,755 | 0 | 221 | 638 |
| 2001 | 16,031 | 266 | 12,419 | 3,065 | 4,411 | 21,655 | 96 | 3,676 | 45,322 | 0 | 237 | 212 |
| 2002 | 15,275 | 235 | 12,396 | 2,510 | 3,587 | 22,357 | 131 | 4,775 | 45,756 | 0 | 265 | 183 |
| 2003 | 16,625 | 221 | 13,009 | 2,438 | 2,842 | 22,669 | 157 | 4,956 | 46,071 | 0 | 171 | 148 |
| 2004 | 16,745 | 224 | 14,151 | 2,274 | 2,769 | 23,249 | 105 | 5,293 | 47,841 | 0 | 139 | 160 |
| 2005 | 17,116 | 221 | 14,371 | 2,283 | 2,842 | 23,014 | 87 | 5,102 | 47,697 | 0 | 165 | 301 |
| 2006 | 17,044 | 224 | 15,772 | 2,353 | 3,155 | 23,340 | 138 | R 4,872 | R 49,631 | 0 | 198 | 292 |
| 2007 | 16,039 | 234 | 15,643 | 1,943 | 7,307 | 22,935 | 158 | R 5,188 | R 53,175 | 0 | 268 | 377 |
| 2008 | 15,462 | 247 | R 14,865 | 1,798 | 6,266 | 22,145 | 236 | R 4,531 | R 49,840 | 0 | 312 | 804 |
| 2009 | 16,572 | 240 | 12,791 | 1,338 | 6,372 | 23,147 | 10 | 4,152 | 47,810 | 0 | 271 | 1,189 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 4.1 | 207.3 | 17.9 | 11.7 | 12.1 | 50.2 | 1.2 | 14.2 | 107.2 | 318.6 | *207.3* | *50.2* |
| 1965 | 44.3 | 224.3 | 22.7 | 13.7 | 13.4 | 56.8 | 4.4 | 17.7 | 128.6 | 397.2 | *224.3* | *56.8* |
| 1970 | 99.4 | 292.5 | 31.5 | 17.0 | 16.7 | 69.1 | 1.4 | 20.2 | 155.8 | 547.7 | *292.5* | *69.1* |
| 1971 | 120.7 | 291.7 | 31.5 | 16.3 | 16.3 | 74.4 | 2.7 | 16.0 | 157.1 | 569.6 | *291.7* | *74.4* |
| 1972 | 123.8 | 311.9 | 38.2 | 15.6 | 18.9 | 79.2 | 4.1 | 17.7 | 173.8 | 609.5 | *311.9* | *79.2* |
| 1973 | 134.5 | 274.0 | 44.5 | 14.9 | 16.9 | 84.4 | 10.0 | 21.1 | 191.9 | 600.4 | *274.0* | *84.4* |
| 1974 | 140.9 | 273.4 | 40.3 | 15.0 | 16.2 | 82.6 | 14.9 | 24.2 | 193.3 | 607.6 | *273.4* | *82.6* |
| 1975 | 132.5 | 255.6 | 39.1 | 14.6 | 14.4 | 86.6 | 19.1 | 25.8 | 199.7 | 587.8 | *255.6* | *86.6* |
| 1976 | 137.5 | 294.9 | 42.7 | 13.4 | 14.3 | 91.5 | 15.4 | 25.4 | 202.6 | 635.0 | *294.9* | *91.5* |
| 1977 | 153.9 | 242.9 | 51.3 | 14.2 | 14.5 | 94.6 | 14.3 | 23.9 | 212.8 | 609.6 | *242.9* | *94.6* |
| 1978 | 145.7 | 225.5 | 55.4 | 12.8 | 13.2 | 99.4 | 8.4 | 26.1 | 215.3 | 586.5 | *225.5* | *99.4* |
| 1979 | 152.9 | 223.1 | 54.9 | 14.5 | 16.5 | 94.4 | 6.5 | 27.9 | 214.8 | 590.8 | *223.1* | *94.4* |
| 1980 | 202.9 | 231.3 | 46.4 | 14.6 | 17.3 | 88.8 | 6.5 | 28.0 | 201.6 | 635.8 | *231.3* | *88.8* |
| 1981 | 196.9 | 205.4 | 72.6 | 13.9 | 11.4 | 89.2 | 5.4 | 21.5 | 213.9 | 616.3 | *205.4* | *89.2* |
| 1982 | 225.5 | 213.3 | 46.5 | 14.3 | 9.8 | 90.1 | 5.0 | 22.0 | 187.7 | 626.6 | *213.4* | *90.1* |
| 1983 | 263.7 | 184.6 | 39.3 | 14.4 | 9.9 | 89.8 | 21.6 | 33.4 | 208.4 | 656.6 | *184.6* | *89.8* |
| 1984 | 252.9 | 169.8 | 37.1 | 16.4 | 20.6 | 91.6 | 14.4 | 22.7 | 202.7 | 625.4 | *169.8* | *91.6* |
| 1985 | 268.4 | 162.3 | 43.0 | 15.7 | 10.8 | 94.1 | 5.2 | 19.5 | 188.2 | 618.9 | *162.3* | *94.1* |
| 1986 | 241.6 | 144.5 | 49.3 | 15.2 | 6.4 | 96.1 | 1.7 | 20.3 | 189.0 | 575.1 | *144.5* | *96.1* |
| 1987 | 260.7 | 164.6 | 51.3 | 16.4 | 5.6 | 99.5 | 0.5 | 24.1 | 197.4 | 622.7 | *164.6* | *99.5* |
| 1988 | 266.1 | 185.2 | 50.6 | 15.4 | 5.5 | 101.4 | 0.8 | 25.5 | 199.0 | 650.4 | *185.2* | *101.4* |
| 1989 | 279.8 | 205.1 | 46.3 | 15.6 | 14.3 | 99.3 | 1.1 | 23.1 | 199.7 | 684.7 | *205.1* | *99.3* |
| 1990 | 275.7 | 251.5 | 46.4 | 16.0 | 28.8 | 98.0 | 0.9 | 21.8 | 212.0 | 739.1 | *251.5* | *98.0* |
| 1991 | 234.3 | 227.3 | 48.7 | 13.5 | 42.4 | 100.6 | 0.8 | 23.5 | 229.5 | 691.1 | *227.3* | *100.6* |
| 1992 | 267.5 | 211.1 | 50.7 | 15.6 | 37.9 | 102.1 | 0.8 | 27.3 | 234.3 | 712.9 | *211.1* | *102.1* |
| 1993 | 270.3 | 225.0 | 44.4 | 18.3 | 34.7 | 106.9 | 1.1 | 30.5 | 235.9 | 731.2 | *225.0* | *107.1* |
| 1994 | 278.4 | 221.5 | 39.6 | 14.6 | 31.9 | 108.3 | 1.1 | 28.8 | 224.3 | 724.2 | *221.5* | *108.8* |
| 1995 | 275.2 | 219.5 | 29.5 | 12.6 | 29.7 | R 108.0 | 1.1 | 26.5 | 207.4 | R 702.1 | *219.5* | *109.6* |
| 1996 | 279.1 | 233.6 | 58.5 | 9.2 | 7.3 | 104.2 | 1.2 | 38.8 | R 219.2 | 731.9 | *233.6* | *105.6* |
| 1997 | 288.5 | 261.9 | 62.9 | 9.9 | 9.6 | 110.7 | 1.0 | 37.5 | 231.6 | 782.0 | *261.9* | *112.1* |
| 1998 | 290.4 | 241.4 | 66.3 | 12.5 | 10.1 | R 111.9 | 0.9 | 41.0 | R 242.7 | 774.4 | *241.4* | *114.2* |
| 1999 | 298.1 | 231.3 | 67.6 | 15.4 | 14.9 | R 113.7 | 0.9 | 40.2 | 252.7 | 782.1 | *231.3* | *115.6* |
| 2000 | 305.5 | 259.0 | 69.5 | 17.1 | 10.3 | R 108.5 | 0.9 | 38.7 | 245.0 | 809.5 | *259.0* | *110.7* |
| 2001 | 297.1 | 259.6 | 72.3 | 17.4 | 15.9 | 112.1 | 0.6 | 22.2 | 240.5 | 797.2 | *259.6* | *112.8* |
| 2002 | 284.1 | 229.7 | 72.2 | 14.2 | 13.0 | 115.8 | 0.8 | 29.5 | R 245.6 | 759.4 | *229.7* | *116.4* |
| 2003 | 305.6 | 225.2 | 75.8 | 13.8 | 10.3 | 117.5 | 1.0 | 30.6 | 249.0 | 779.9 | *225.2* | *118.0* |
| 2004 | 309.4 | 229.2 | 82.4 | 12.9 | 10.0 | 120.7 | 0.7 | 32.6 | R 259.3 | 797.8 | *229.2* | *121.2* |
| 2005 | 317.9 | 225.4 | 83.7 | 12.9 | 10.3 | 119.0 | 0.5 | 31.4 | 257.9 | 801.1 | *225.4* | *120.1* |
| 2006 | 316.2 | 227.7 | 91.9 | 13.3 | 11.4 | R 120.8 | 0.9 | R 30.4 | R 268.7 | R 812.5 | *227.7* | *121.8* |
| 2007 | 296.1 | 240.6 | 91.1 | 11.0 | 26.2 | 118.4 | 1.0 | R 32.6 | R 280.4 | R 817.0 | *240.6* | *119.7* |
| 2008 | 284.3 | 250.9 | R 86.6 | 10.2 | 22.6 | R 112.8 | 1.5 | R 28.2 | R 261.8 | R 797.0 | *250.9* | *115.6* |
| 2009 | 306.2 | 247.1 | 74.5 | 7.6 | 22.7 | 116.7 | 0.1 | 25.8 | 247.3 | 800.6 | *247.1* | *120.8* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.7 | 6.6 | NA | NA | 6.6 | 0.0 | NA | NA | 7.4 | 3.1 | 0.0 | 329.0 |
| 1965 | 0.0 | 0.4 | 5.6 | NA | NA | 5.6 | 0.0 | NA | NA | 6.1 | -49.4 | 0.0 | 353.8 |
| 1970 | 0.0 | 0.7 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 5.5 | -94.5 | 0.0 | 458.8 |
| 1971 | 0.0 | 0.3 | 4.7 | NA | NA | 4.7 | 0.0 | NA | NA | 5.0 | -104.9 | 0.0 | 469.6 |
| 1972 | 0.0 | 0.2 | 4.5 | NA | NA | 4.5 | 0.0 | NA | NA | 4.7 | -112.4 | 0.0 | R 501.8 |
| 1973 | 0.0 | 0.7 | 4.2 | NA | NA | 4.2 | 0.0 | NA | NA | 4.9 | R -127.4 | 0.0 | R 477.9 |
| 1974 | 0.0 | 0.8 | 4.2 | NA | NA | 4.2 | 0.0 | NA | NA | 4.9 | R -135.9 | 0.0 | R 476.6 |
| 1975 | 0.0 | 0.7 | 5.3 | NA | NA | 5.3 | 0.0 | NA | NA | 6.0 | R -134.3 | 0.0 | R 459.6 |
| 1976 | 0.0 | 0.8 | 6.0 | NA | NA | 6.0 | 0.0 | NA | NA | 6.8 | R -132.7 | 0.0 | R 509.0 |
| 1977 | 0.0 | 0.3 | 7.0 | NA | NA | 7.0 | 0.0 | NA | NA | 7.3 | R -143.5 | 0.0 | R 473.5 |
| 1978 | 0.0 | 0.3 | 7.7 | NA | NA | 7.7 | 0.0 | NA | NA | 8.0 | R -119.1 | 0.0 | R 475.4 |
| 1979 | 0.0 | 0.7 | 9.2 | NA | NA | 9.2 | 0.0 | NA | NA | 9.9 | R -120.0 | 0.0 | R 480.8 |
| 1980 | 0.0 | 1.0 | 5.2 | NA | NA | 5.2 | 0.0 | NA | NA | 6.2 | R -161.2 | 0.0 | R 480.9 |
| 1981 | 0.0 | 0.9 | 6.7 | 0.0 | 0.1 | 6.8 | 0.0 | NA | NA | 7.7 | R -151.1 | 0.0 | R 472.9 |
| 1982 | 0.0 | 0.8 | 6.9 | (s) | 0.3 | 7.2 | 0.0 | NA | NA | 8.0 | R -169.5 | 0.0 | R 465.2 |
| 1983 | 0.0 | 0.9 | 7.4 | 0.2 | 0.6 | 8.3 | 0.0 | NA | 0.0 | 9.2 | R -193.2 | 0.0 | R 472.6 |
| 1984 | 0.0 | 1.0 | 7.7 | 0.5 | 0.8 | R 8.9 | 0.0 | 0.0 | 0.0 | 9.9 | R -159.9 | 0.0 | R 475.4 |
| 1985 | 0.0 | 1.3 | 7.9 | 0.5 | 0.8 | 9.2 | 0.0 | 0.0 | 0.0 | 10.5 | R -163.5 | 0.0 | R 465.9 |
| 1986 | 0.0 | 1.7 | 8.1 | 0.4 | 0.8 | 9.4 | 0.0 | 0.0 | 0.0 | 11.1 | R -131.0 | 0.0 | R 455.2 |
| 1987 | 0.0 | 1.7 | 5.1 | 0.8 | 0.9 | 6.9 | 0.0 | 0.0 | 0.0 | 8.6 | R -145.5 | 0.0 | R 485.8 |
| 1988 | 0.0 | 1.0 | 5.4 | 1.2 | 0.9 | 7.6 | 0.0 | 0.0 | 0.0 | 8.6 | R -148.3 | 0.0 | R 510.7 |
| 1989 | 0.0 | 2.4 | 4.2 | 1.7 | 0.9 | R 6.8 | 0.1 | 0.6 | 0.0 | R 9.9 | R -159.0 | 0.0 | R 535.6 |
| 1990 | 0.0 | 2.1 | 3.9 | 1.3 | 0.7 | 5.9 | 0.1 | 0.6 | 0.0 | R 8.7 | R -148.4 | 0.0 | R 599.4 |
| 1991 | 0.0 | 2.5 | 4.1 | 1.3 | 0.8 | 6.2 | 0.1 | 0.6 | 0.0 | 9.4 | R -107.5 | 0.0 | R 593.0 |
| 1992 | 0.0 | 2.6 | 4.2 | 1.0 | 0.7 | 6.0 | 0.1 | 0.6 | 0.0 | R 9.3 | R -131.9 | 0.0 | R 590.2 |
| 1993 | 0.0 | 3.0 | 4.1 | 0.2 | 0.8 | 5.1 | 0.1 | 0.6 | 0.0 | 8.9 | R -134.4 | 0.0 | R 605.6 |
| 1994 | 0.0 | 2.2 | 3.9 | 0.5 | 0.8 | 5.2 | 0.1 | 0.6 | 0.0 | 8.2 | R -137.2 | 0.0 | R 595.2 |
| 1995 | 0.0 | 2.7 | 4.0 | 1.6 | 0.7 | R 6.3 | 0.2 | 0.6 | 0.0 | R 9.8 | R -126.7 | 0.0 | R 585.2 |
| 1996 | 0.0 | 2.2 | 4.0 | 1.4 | 0.3 | 5.7 | 0.2 | 0.6 | 0.0 | R 8.6 | R -124.0 | 0.0 | R 616.5 |
| 1997 | 0.0 | 2.6 | 4.5 | 1.4 | 0.5 | 6.4 | 0.2 | 0.6 | 0.0 | 9.8 | R -135.5 | 0.0 | R 656.3 |
| 1998 | 0.0 | 2.4 | 4.0 | 2.3 | 0.6 | R 6.9 | 0.2 | 0.5 | 0.0 | 10.1 | R -134.9 | 0.0 | R 649.6 |
| 1999 | 0.0 | 2.5 | 4.3 | 1.9 | 0.5 | R 6.7 | 0.6 | 0.5 | 0.0 | R 10.3 | R -140.7 | 0.0 | R 651.7 |
| 2000 | 0.0 | 2.3 | 4.5 | 2.2 | 0.6 | R 7.3 | 0.7 | 0.5 | 0.0 | R 10.7 | R -143.5 | (s) | R 676.8 |
| 2001 | 0.0 | 2.5 | 3.0 | 0.7 | 0.6 | R 4.3 | 0.7 | 0.4 | 0.0 | R 7.9 | R -140.9 | 0.0 | R 664.2 |
| 2002 | 0.0 | 2.7 | 2.9 | 0.6 | 0.9 | 4.4 | 0.7 | 0.4 | 0.0 | 8.2 | R -112.2 | 0.1 | R 655.5 |
| 2003 | 0.0 | 1.7 | 2.8 | 0.5 | 1.0 | 4.3 | 0.6 | 0.3 | 1.9 | 8.8 | R -135.0 | 0.1 | R 653.8 |
| 2004 | 0.0 | 1.4 | 2.9 | 0.6 | 0.9 | 4.3 | 0.6 | 0.3 | 5.1 | R 11.7 | R -129.2 | 0.2 | R 680.5 |
| 2005 | 0.0 | 1.6 | R 10.8 | 1.0 | 1.2 | R 13.0 | 0.7 | 0.2 | 7.9 | R 23.5 | R -143.8 | -0.1 | R 680.9 |
| 2006 | 0.0 | 2.0 | R 10.3 | 1.0 | 1.6 | R 13.0 | 0.7 | 0.2 | 12.5 | R 28.3 | R -154.7 | -0.1 | R 686.0 |
| 2007 | 0.0 | 2.6 | R 11.4 | 1.3 | 1.7 | R 14.5 | 0.7 | 0.2 | 13.8 | R 31.8 | R -134.5 | -0.1 | R 714.3 |
| 2008 | 0.0 | 3.1 | R 12.1 | 2.8 | 1.3 | R 16.1 | 0.3 | 0.3 | 16.2 | R 36.0 | R -136.7 | -0.3 | R 696.1 |
| 2009 | 0.0 | 2.6 | 11.6 | 4.1 | 1.5 | 17.3 | 0.3 | 0.3 | 15.1 | 35.6 | -165.9 | -0.3 | 670.1 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 148 | 167 | 3,057 | 2,186 | 3,014 | 9,555 | 84 | 2,313 | 20,208 | 0 | – – | – – | – – | – – | 3,383 | – – | – – | – – |
| 1965 | 33 | 158 | 3,891 | 2,530 | 3,334 | 10,806 | 657 | 2,863 | 24,080 | 0 | – – | – – | – – | – – | 3,773 | – – | – – | – – |
| 1970 | 12 | 215 | 5,402 | 3,110 | 4,413 | 13,146 | 134 | 3,301 | 29,507 | 0 | – – | – – | – – | – – | 5,603 | – – | – – | – – |
| 1975 | 0 | 175 | 6,683 | 2,667 | 3,865 | 16,493 | 1,342 | 4,166 | 35,217 | 0 | – – | – – | – – | – – | 6,660 | – – | – – | – – |
| 1980 | 52 | 166 | 7,751 | 2,673 | 4,710 | 16,913 | 858 | 4,639 | 37,545 | 0 | – – | – – | – – | – – | 8,778 | – – | – – | – – |
| 1985 | 91 | 123 | 7,336 | 2,873 | 3,002 | 17,905 | 784 | 3,075 | 34,975 | 0 | – – | – – | – – | – – | 11,873 | – – | – – | – – |
| 1990 | 46 | 213 | 7,936 | 2,912 | 7,943 | 18,647 | 115 | 3,507 | 41,059 | 0 | – – | – – | – – | – – | 13,821 | – – | – – | – – |
| 1995 | 84 | 183 | 5,023 | 2,222 | 8,191 | 21,014 | 179 | 4,256 | 40,884 | 0 | – – | – – | – – | – – | 16,416 | – – | – – | – – |
| 2000 | 82 | 220 | 11,870 | 3,017 | 2,856 | 21,247 | 136 | 6,562 | 45,688 | 0 | – – | – – | – – | – – | 18,801 | – – | – – | – – |
| 2001 | 76 | 217 | 12,358 | 3,065 | 4,411 | 21,655 | 86 | 3,676 | 45,251 | 0 | – – | – – | – – | – – | 18,727 | – – | – – | – – |
| 2002 | 78 | 198 | 12,342 | 2,510 | 3,587 | 22,357 | 131 | 4,775 | 45,702 | 0 | – – | – – | – – | – – | 19,207 | – – | – – | – – |
| 2003 | 83 | 183 | 12,921 | 2,438 | 2,842 | 22,669 | 157 | 4,956 | 45,983 | 0 | – – | – – | – – | – – | 19,330 | – – | – – | – – |
| 2004 | 84 | 193 | 14,098 | 2,274 | 2,769 | 23,249 | 105 | 5,293 | 47,788 | 0 | – – | – – | – – | – – | 19,846 | – – | – – | – – |
| 2005 | 82 | 180 | 14,306 | 2,283 | 2,842 | 23,014 | 87 | 5,102 | 47,633 | 0 | – – | – – | – – | – – | 20,639 | – – | – – | – – |
| 2006 | 83 | 168 | 15,699 | 2,353 | 3,155 | 23,340 | 138 | 4,872 | 49,558 | 0 | – – | – – | – – | – – | 21,435 | – – | – – | – – |
| 2007 | 80 | 173 | 15,561 | 1,943 | 7,307 | 22,935 | 158 | 5,188 | 53,093 | 0 | – – | – – | – – | – – | 22,267 | – – | – – | – – |
| 2008 | 64 | 178 | 14,763 | 1,798 | 6,266 | 22,145 | 236 | 4,531 | 49,738 | 0 | – – | – – | – – | – – | 22,038 | – – | – – | – – |
| 2009 | 59 | 170 | 12,705 | 1,338 | 6,372 | 23,147 | 10 | 4,152 | 47,724 | 0 | – – | – – | – – | – – | 21,647 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 3.4 | 172.4 | 17.8 | 11.7 | 12.1 | 50.2 | 0.5 | 14.2 | 106.5 | 0.0 | 6.6 | NA | NA | NA | 11.5 | 300.5 | 28.5 | 329.0 |
| 1965 | 0.8 | 175.5 | 22.7 | 13.7 | 13.4 | 56.8 | 4.1 | 17.7 | 128.3 | 0.0 | 5.6 | NA | NA | NA | 12.9 | 323.1 | 30.7 | 353.8 |
| 1970 | 0.3 | 233.1 | 31.5 | 17.0 | 16.7 | 69.1 | 0.8 | 20.2 | 155.2 | 0.0 | 4.9 | NA | NA | NA | 19.1 | 412.5 | 46.2 | 458.8 |
| 1975 | 0.0 | 188.3 | 38.9 | 14.6 | 14.4 | 86.6 | 8.4 | 25.8 | 188.7 | 0.0 | 5.3 | NA | NA | NA | 22.7 | 405.1 | 54.5 | 459.6 |
| 1980 | 1.0 | 173.4 | 45.1 | 14.6 | 17.3 | 88.8 | 5.4 | 28.0 | 199.2 | 0.0 | 5.2 | NA | NA | NA | 30.0 | 408.9 | 72.0 | 480.9 |
| 1985 | 2.0 | 133.8 | 42.7 | 15.7 | 10.8 | 94.1 | 4.9 | 19.5 | 187.7 | 0.0 | 7.9 | 0.8 | NA | NA | 40.5 | 373.1 | 92.8 | 465.9 |
| 1990 | 1.0 | 225.1 | 46.2 | 16.0 | 28.8 | 98.0 | 0.7 | 21.8 | 211.5 | 0.0 | 3.7 | 0.7 | 0.1 | 0.6 | 47.2 | 491.2 | 108.2 | 599.4 |
| 1995 | 1.8 | 186.9 | 29.3 | 12.6 | 29.7 | 109.6 | 1.1 | 26.5 | 208.8 | 0.0 | 3.9 | 0.7 | 0.2 | 0.6 | 56.0 | 458.8 | 126.4 | 585.2 |
| 2000 | 2.1 | 212.5 | 69.1 | 17.1 | 10.3 | 110.7 | 0.9 | 38.7 | 246.8 | 0.0 | 4.4 | 0.6 | 0.7 | 0.5 | 64.1 | 531.7 | 145.1 | 676.8 |
| 2001 | 1.9 | 211.5 | 72.0 | 17.4 | 15.9 | 112.8 | 0.5 | 22.2 | 240.8 | 0.0 | 2.8 | 0.6 | 0.7 | 0.4 | 63.9 | 522.7 | 141.6 | 664.2 |
| 2002 | 1.9 | 192.3 | 71.9 | 14.2 | 13.0 | 116.4 | 0.8 | 29.5 | 245.9 | 0.0 | 2.7 | 0.9 | 0.7 | 0.4 | 65.5 | 510.3 | 145.2 | 655.5 |
| 2003 | 2.1 | 187.4 | 75.3 | 13.8 | 10.3 | 118.0 | 1.0 | 30.6 | 249.0 | 0.0 | 2.8 | 1.0 | 0.6 | 0.3 | 66.0 | 509.1 | 144.7 | 653.8 |
| 2004 | 2.1 | 197.7 | 82.1 | 12.9 | 10.0 | 121.2 | 0.7 | 32.6 | 259.5 | 0.0 | 2.9 | 0.9 | 0.6 | 0.3 | 67.7 | 531.6 | 148.9 | 680.5 |
| 2005 | 2.0 | 183.9 | 83.3 | 12.9 | 10.3 | 120.1 | 0.5 | 31.4 | 258.5 | 0.0 | 10.8 | 1.2 | 0.7 | 0.2 | 70.4 | 527.7 | 153.1 | 680.9 |
| 2006 | 2.0 | 171.7 | 91.4 | 13.3 | 11.4 | 121.8 | 0.9 | 30.4 | 269.2 | 0.0 | 10.1 | 1.6 | 0.7 | 0.2 | 73.1 | 528.8 | 157.2 | 686.0 |
| 2007 | 2.0 | 178.4 | 90.6 | 11.0 | 26.2 | 119.7 | 1.0 | 32.6 | 281.2 | 0.0 | 11.1 | 1.7 | 0.7 | 0.2 | 76.0 | 551.3 | 163.0 | 714.3 |
| 2008 | 1.6 | 180.9 | 86.0 | 10.2 | 22.6 | 115.6 | 1.5 | 28.2 | 264.0 | 0.0 | 11.6 | 1.3 | 0.3 | 0.3 | 75.2 | 535.2 | 160.9 | 696.1 |
| 2009 | 1.5 | 175.1 | 74.0 | 7.6 | 22.7 | 120.8 | 0.1 | 25.8 | 251.0 | 0.0 | 11.2 | 1.5 | 0.3 | 0.3 | 73.9 | 514.7 | 155.4 | 670.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 25 | 20 | 3 | 17 | 1,371 | 1,391 | 287 | – – | – – | 872 | – – | – – | – – |
| 1965 | 6 | 24 | 2 | 14 | 1,445 | 1,461 | 234 | – – | – – | 988 | – – | – – | – – |
| 1970 | (s) | 31 | 3 | 29 | 1,907 | 1,939 | 202 | – – | – – | 1,475 | – – | – – | – – |
| 1975 | 0 | 28 | 5 | 27 | 1,208 | 1,240 | 210 | – – | – – | 1,957 | – – | – – | – – |
| 1980 | 9 | 29 | 11 | 132 | 1,150 | 1,294 | 196 | – – | – – | 2,453 | – – | – – | – – |
| 1985 | 2 | 22 | 15 | 41 | 1,990 | 2,046 | 315 | – – | – – | 3,098 | – – | – – | – – |
| 1990 | 1 | 28 | 8 | 4 | 1,623 | 1,635 | 157 | – – | – – | 3,566 | – – | – – | – – |
| 1995 | 1 | 29 | 3 | 6 | 819 | 827 | 155 | – – | – – | 4,124 | – – | – – | – – |
| 1996 | 1 | 34 | 3 | 7 | 811 | 821 | 161 | – – | – – | 4,328 | – – | – – | – – |
| 1997 | 1 | 37 | 3 | 5 | 1,033 | 1,041 | 182 | – – | – – | 4,502 | – – | – – | – – |
| 1998 | 1 | 36 | 2 | 6 | 1,516 | 1,523 | 161 | – – | – – | 4,642 | – – | – – | – – |
| 1999 | 1 | 36 | 20 | 23 | 1,947 | 1,989 | 170 | – – | – – | 4,649 | – – | – – | – – |
| 2000 | 1 | 36 | 6 | 6 | 1,942 | 1,954 | 183 | – – | – – | 4,937 | – – | – – | – – |
| 2001 | 1 | 35 | 5 | 5 | 3,280 | 3,289 | 100 | – – | – – | 4,999 | – – | – – | – – |
| 2002 | 1 | 33 | 7 | 3 | 2,612 | 2,622 | 101 | – – | – – | 5,238 | – – | – – | – – |
| 2003 | 1 | 32 | 3 | 4 | 2,024 | 2,031 | 107 | – – | – – | 5,418 | – – | – – | – – |
| 2004 | (s) | 34 | 4 | 5 | 1,804 | 1,813 | 110 | – – | – – | 5,635 | – – | – – | – – |
| 2005 | (s) | 33 | 4 | 5 | 1,951 | 1,959 | R 450 | – – | – – | 5,865 | – – | – – | – – |
| 2006 | (s) | 30 | 3 | 4 | 2,029 | 2,036 | R 410 | – – | – – | 6,009 | – – | – – | – – |
| 2007 | (s) | 33 | 4 | 3 | 1,722 | 1,729 | R 452 | – – | – – | 6,387 | – – | – – | – – |
| 2008 | 0 | 34 | 2 | 1 | 1,808 | 1,811 | R 473 | – – | – – | 6,379 | – – | – – | – – |
| 2009 | 0 | 32 | 1 | 1 | 1,814 | 1,816 | 452 | – – | – – | 6,504 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.6 | 21.1 | (s) | 0.1 | 5.5 | 5.6 | 5.7 | NA | NA | 3.0 | 36.0 | 7.4 | 43.3 |
| 1965 | 0.1 | 26.9 | (s) | 0.1 | 5.8 | 5.9 | 4.7 | NA | NA | 3.4 | 40.9 | 8.1 | 49.0 |
| 1970 | (s) | 33.3 | (s) | 0.2 | 7.2 | 7.4 | 4.0 | NA | NA | 5.0 | 49.8 | 12.2 | 62.0 |
| 1975 | 0.0 | 29.9 | (s) | 0.2 | 4.5 | 4.7 | 4.2 | NA | NA | 6.7 | 45.5 | R 16.0 | 61.5 |
| 1980 | 0.2 | 29.9 | 0.1 | 0.7 | 4.2 | 5.0 | 3.9 | NA | NA | 8.4 | 47.4 | R 20.1 | 67.6 |
| 1985 | (s) | 23.9 | 0.1 | 0.2 | 7.2 | 7.5 | 6.3 | NA | NA | 10.6 | 48.3 | R 24.2 | R 72.5 |
| 1990 | (s) | 29.7 | (s) | (s) | 5.9 | 6.0 | 3.1 | (s) | 0.6 | 12.2 | 51.6 | R 27.9 | R 79.5 |
| 1995 | (s) | 29.4 | (s) | (s) | 3.0 | 3.0 | 3.1 | (s) | 0.6 | 14.1 | 50.2 | R 31.8 | R 81.9 |
| 1996 | (s) | 34.9 | (s) | (s) | 2.9 | 3.0 | 3.2 | (s) | 0.6 | 14.8 | R 56.4 | R 33.4 | R 89.8 |
| 1997 | (s) | 37.4 | (s) | (s) | 3.7 | 3.8 | 3.6 | (s) | 0.6 | 15.4 | 60.8 | R 34.6 | R 95.4 |
| 1998 | (s) | 35.1 | (s) | (s) | 5.5 | 5.5 | 3.2 | (s) | 0.5 | 15.8 | 60.3 | R 35.7 | R 96.0 |
| 1999 | (s) | 34.7 | 0.1 | 0.1 | 7.0 | 7.3 | 3.4 | (s) | 0.5 | 15.9 | 61.7 | R 36.1 | R 97.8 |
| 2000 | (s) | 34.8 | (s) | (s) | 7.0 | 7.1 | 3.7 | (s) | 0.5 | 16.8 | 62.8 | R 38.1 | R 100.9 |
| 2001 | (s) | 33.8 | (s) | (s) | 11.9 | 11.9 | 2.0 | (s) | 0.4 | 17.1 | 65.2 | R 37.8 | R 103.0 |
| 2002 | (s) | 32.6 | (s) | (s) | 9.4 | 9.5 | 2.0 | (s) | 0.4 | 17.9 | 62.3 | R 39.6 | R 101.9 |
| 2003 | (s) | 32.3 | (s) | (s) | 7.3 | 7.4 | 2.1 | (s) | 0.3 | 18.5 | 60.7 | R 40.6 | R 101.2 |
| 2004 | (s) | 35.2 | (s) | (s) | 6.5 | 6.6 | 2.2 | (s) | 0.3 | 19.2 | 63.5 | R 42.3 | R 105.8 |
| 2005 | (s) | 34.1 | (s) | (s) | 7.1 | 7.1 | R 9.0 | (s) | 0.2 | 20.0 | R 70.4 | R 43.5 | R 113.9 |
| 2006 | (s) | 31.1 | (s) | (s) | 7.3 | 7.4 | R 8.2 | (s) | 0.2 | 20.5 | R 67.4 | R 44.1 | R 111.4 |
| 2007 | (s) | 34.5 | (s) | (s) | 6.2 | 6.2 | R 9.0 | (s) | 0.2 | 21.8 | R 71.8 | R 46.7 | R 118.5 |
| 2008 | 0.0 | 34.6 | (s) | (s) | 6.5 | 6.5 | R 9.5 | (s) | 0.3 | 21.8 | R 72.6 | R 46.6 | R 119.2 |
| 2009 | 0.0 | 33.3 | (s) | (s) | 6.5 | 6.5 | 9.0 | (s) | 0.3 | 22.2 | 71.3 | 46.7 | 118.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 17 | 9 | 107 | 4 | 324 | 46 | 0 | 482 | NA | – – | – – | 963 | – – | – – | – – |
| 1965 | 5 | 13 | 65 | 4 | 341 | 54 | 0 | 464 | NA | – – | – – | 1,485 | – – | – – | – – |
| 1970 | (s) | 33 | 114 | 8 | 450 | 70 | 0 | 642 | NA | – – | – – | 2,216 | – – | – – | – – |
| 1975 | 0 | 23 | 179 | 7 | 285 | 91 | 0 | 562 | NA | – – | – – | 2,743 | – – | – – | – – |
| 1980 | 35 | 25 | 133 | 659 | 272 | 108 | 0 | 1,172 | NA | – – | – – | 3,380 | – – | – – | – – |
| 1985 | 6 | 17 | 320 | 61 | 470 | 113 | 4 | 967 | NA | – – | – – | 4,664 | – – | – – | – – |
| 1990 | 4 | 24 | 426 | 15 | 383 | 127 | 0 | 951 | 0 | – – | – – | 5,842 | – – | – – | – – |
| 1995 | 7 | 24 | 242 | 4 | 193 | 18 | 0 | 457 | 0 | – – | – – | 6,641 | – – | – – | – – |
| 1996 | 7 | 26 | 176 | 1 | 192 | 18 | (s) | 386 | 0 | – – | – – | 6,924 | – – | – – | – – |
| 1997 | 7 | 27 | 169 | 3 | 244 | 18 | 0 | 434 | 0 | – – | – – | 6,839 | – – | – – | – – |
| 1998 | 8 | 27 | 138 | 3 | 358 | 18 | 0 | 517 | 0 | – – | – – | 7,346 | – – | – – | – – |
| 1999 | 5 | 27 | 316 | 6 | 460 | 18 | 0 | 800 | 0 | – – | – – | 7,435 | – – | – – | – – |
| 2000 | 5 | 27 | 266 | 8 | 458 | 19 | 0 | 751 | 0 | – – | – – | 8,371 | – – | – – | – – |
| 2001 | 4 | 27 | 350 | 16 | 774 | 39 | 0 | 1,179 | 0 | – – | – – | 8,455 | – – | – – | – – |
| 2002 | 4 | 25 | 329 | 8 | 617 | 337 | 0 | 1,291 | 0 | – – | – – | 8,653 | – – | – – | – – |
| 2003 | 3 | 24 | 389 | 6 | 429 | 551 | 0 | 1,375 | 0 | – – | – – | 8,063 | – – | – – | – – |
| 2004 | 4 | 25 | 403 | 3 | 480 | 77 | 0 | 963 | 0 | – – | – – | 8,239 | – – | – – | – – |
| 2005 | 4 | 24 | 628 | 3 | 397 | 23 | 0 | 1,051 | 0 | – – | – – | 8,411 | – – | – – | – – |
| 2006 | 4 | 23 | 301 | 3 | 559 | 20 | 0 | 883 | 0 | – – | – – | 8,604 | – – | – – | – – |
| 2007 | 3 | 25 | 189 | 2 | 404 | 21 | 0 | 615 | 0 | – – | – – | 8,932 | – – | – – | – – |
| 2008 | 0 | 25 | R 615 | (s) | 421 | 21 | 0 | R 1,057 | 0 | – – | – – | 8,828 | – – | – – | – – |
| 2009 | 0 | 25 | 282 | (s) | 338 | 21 | 0 | 641 | 0 | – – | – – | 8,734 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.4 | 9.3 | 0.6 | (s) | 1.3 | 0.2 | 0.0 | 2.2 | NA | 0.1 | NA | 3.3 | 15.3 | 8.1 | 23.4 |
| 1965 | 0.1 | 13.9 | 0.4 | (s) | 1.4 | 0.3 | 0.0 | 2.1 | NA | 0.1 | NA | 5.1 | 21.2 | 12.1 | 33.3 |
| 1970 | (s) | 35.8 | 0.7 | (s) | 1.7 | 0.4 | 0.0 | 2.8 | NA | 0.1 | NA | 7.6 | 46.2 | 18.3 | 64.5 |
| 1975 | 0.0 | 24.5 | 1.0 | (s) | 1.1 | 0.5 | 0.0 | 2.6 | NA | 0.1 | NA | 9.4 | 36.6 | 22.5 | R 59.0 |
| 1980 | 0.7 | 25.7 | 0.8 | 3.7 | 1.0 | 0.6 | 0.0 | 6.1 | NA | 0.1 | NA | 11.5 | 44.1 | R 27.7 | R 71.8 |
| 1985 | 0.1 | 18.2 | 1.9 | 0.3 | 1.7 | 0.6 | (s) | 4.5 | NA | 0.1 | NA | 15.9 | 38.9 | R 36.4 | R 75.4 |
| 1990 | 0.1 | 25.0 | 2.5 | 0.1 | 1.4 | 0.7 | 0.0 | 4.6 | 0.0 | 0.3 | (s) | 19.9 | 50.1 | R 45.7 | R 95.8 |
| 1995 | 0.1 | 24.4 | 1.4 | (s) | 0.7 | 0.1 | 0.0 | 2.2 | 0.0 | 0.4 | (s) | 22.7 | 49.9 | R 51.1 | R 101.1 |
| 1996 | 0.1 | 27.4 | 1.0 | (s) | 0.7 | 0.1 | (s) | 1.8 | 0.0 | 0.4 | (s) | 23.6 | 53.4 | R 53.4 | R 106.8 |
| 1997 | 0.1 | 28.0 | 1.0 | (s) | 0.9 | 0.1 | 0.0 | 2.0 | 0.0 | 0.6 | (s) | 23.3 | 54.1 | R 52.5 | R 106.6 |
| 1998 | 0.2 | 26.6 | 0.8 | (s) | 1.3 | 0.1 | 0.0 | 2.2 | 0.0 | 0.5 | (s) | 25.1 | 54.7 | R 56.5 | R 111.2 |
| 1999 | 0.1 | 26.4 | 1.8 | (s) | 1.7 | 0.1 | 0.0 | 3.6 | 0.0 | 0.6 | 0.1 | 25.4 | 56.2 | R 57.7 | R 113.9 |
| 2000 | 0.1 | 26.1 | 1.5 | (s) | 1.7 | 0.1 | 0.0 | 3.3 | 0.0 | 0.6 | 0.1 | 28.6 | 58.9 | R 64.6 | R 123.5 |
| 2001 | 0.1 | 26.4 | 2.0 | 0.1 | 2.8 | 0.2 | 0.0 | 5.1 | 0.0 | 0.4 | 0.1 | 28.8 | 60.9 | R 63.9 | R 124.8 |
| 2002 | 0.1 | 24.8 | 1.9 | (s) | 2.2 | 1.8 | 0.0 | 5.9 | 0.0 | 0.4 | 0.1 | 29.5 | 60.8 | R 65.4 | R 126.2 |
| 2003 | 0.1 | 24.3 | 2.3 | (s) | 1.6 | 2.9 | 0.0 | 6.7 | 0.0 | 0.4 | 0.1 | 27.5 | 59.1 | R 60.4 | R 119.4 |
| 2004 | 0.1 | 26.1 | 2.3 | (s) | 1.7 | 0.4 | 0.0 | 4.5 | 0.0 | 0.4 | 0.1 | 28.1 | 59.2 | R 61.8 | R 121.1 |
| 2005 | 0.1 | 24.8 | 3.7 | (s) | 1.4 | 0.1 | 0.0 | 5.2 | 0.0 | R 1.4 | 0.1 | 28.7 | R 60.3 | R 62.4 | R 122.7 |
| 2006 | 0.1 | 23.9 | 1.8 | (s) | 2.0 | 0.1 | 0.0 | 3.9 | 0.0 | R 1.3 | 0.1 | 29.4 | R 58.6 | R 63.1 | R 121.7 |
| 2007 | 0.1 | 25.6 | 1.1 | (s) | 1.5 | 0.1 | 0.0 | 2.7 | 0.0 | R 1.4 | 0.1 | 30.5 | R 60.3 | R 65.4 | R 125.7 |
| 2008 | 0.0 | 25.6 | 3.6 | (s) | 1.5 | 0.1 | 0.0 | 5.2 | 0.0 | R 1.5 | 0.1 | 30.1 | R 62.5 | R 64.5 | R 127.0 |
| 2009 | 0.0 | 25.4 | 1.6 | (s) | 1.2 | 0.1 | 0.0 | 3.0 | 0.0 | 1.5 | 0.1 | 29.8 | 59.7 | 62.7 | 122.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 105 | 120 | 1,028 | 1,194 | 295 | 59 | 1,931 | 4,508 | 0 | – – | – – | – – | 1,548 | – – | – – | – – |
| 1965 | 22 | 97 | 1,206 | 1,345 | 241 | 621 | 2,442 | 5,855 | 0 | – – | – – | – – | 1,299 | – – | – – | – – |
| 1970 | 11 | 121 | 2,127 | 1,813 | 192 | 123 | 2,987 | 7,242 | 0 | – – | – – | – – | 1,911 | – – | – – | – – |
| 1975 | 0 | 95 | 2,299 | 2,160 | 145 | 1,342 | 3,854 | 9,800 | 0 | – – | – – | – – | 1,960 | – – | – – | – – |
| 1980 | 8 | 74 | 2,196 | 3,260 | 84 | 858 | 3,468 | 9,866 | 0 | – – | – – | – – | 2,945 | – – | – – | – – |
| 1985 | 83 | 58 | 2,595 | 447 | 361 | 781 | 2,684 | 6,868 | 0 | – – | – – | – – | 4,111 | – – | – – | – – |
| 1990 | 41 | 85 | 1,486 | 5,819 | 330 | 115 | 3,183 | 10,934 | 0 | – – | – – | – – | 4,413 | – – | – – | – – |
| 1995 | 76 | 74 | 1,907 | 7,085 | 653 | 179 | 3,985 | 13,809 | 0 | – – | – – | – – | 5,651 | – – | – – | – – |
| 1996 | 74 | 105 | 2,024 | 926 | 658 | 194 | 6,260 | 10,063 | 0 | – – | – – | – – | 5,921 | – – | – – | – – |
| 1997 | 76 | 90 | 2,080 | 1,316 | 693 | 158 | 6,080 | 10,327 | 0 | – – | – – | – – | 6,187 | – – | – – | – – |
| 1998 | 72 | 85 | 1,896 | 927 | 497 | 136 | 6,601 | 10,056 | 0 | – – | – – | – – | 6,186 | – – | – – | – – |
| 1999 | 73 | 82 | 2,175 | 1,692 | 342 | 141 | 6,464 | 10,814 | 0 | – – | – – | – – | 5,957 | – – | – – | – – |
| 2000 | 76 | 111 | 2,271 | 438 | 346 | 136 | 6,252 | 9,442 | 0 | – – | – – | – – | 5,492 | – – | – – | – – |
| 2001 | 71 | 110 | 2,180 | 320 | 630 | 86 | 3,372 | 6,588 | 0 | – – | – – | – – | 5,272 | – – | – – | – – |
| 2002 | 73 | 97 | 2,078 | 340 | 622 | 131 | 4,489 | 7,659 | 0 | – – | – – | – – | 5,316 | – – | – – | – – |
| 2003 | 79 | 98 | 2,322 | 338 | 666 | 157 | 4,696 | 8,179 | 0 | – – | – – | – – | 5,849 | – – | – – | – – |
| 2004 | 80 | 106 | 2,280 | 405 | 755 | 105 | 5,007 | 8,552 | 0 | – – | – – | – – | 5,972 | – – | – – | – – |
| 2005 | 78 | 102 | 1,923 | 420 | 729 | 87 | 4,847 | 8,006 | 0 | – – | – – | – – | 6,363 | – – | – – | – – |
| 2006 | 79 | 97 | 2,216 | 496 | 750 | 138 | R 4,634 | R 8,234 | 0 | – – | – – | – – | 6,822 | – – | – – | – – |
| 2007 | 76 | 101 | 2,326 | 5,141 | 512 | 158 | R 4,949 | R 13,086 | 0 | – – | – – | – – | 6,948 | – – | – – | – – |
| 2008 | 64 | 105 | R 2,335 | R 3,925 | 469 | 236 | R 4,235 | R 11,199 | 0 | – – | – – | – – | 6,831 | – – | – – | – – |
| 2009 | 59 | 102 | 1,516 | 4,174 | 454 | 10 | 3,906 | 10,061 | 0 | – – | – – | – – | 6,409 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 2.4 | 124.5 | 6.0 | 4.8 | 1.6 | 0.4 | 12.1 | 24.8 | 0.0 | 0.8 | NA | NA | 5.3 | 157.7 | 13.1 | 170.7 |
| 1965 | 0.5 | 107.1 | 7.0 | 5.4 | 1.3 | 3.9 | 15.4 | 33.0 | 0.0 | 0.9 | NA | NA | 4.4 | 145.9 | 10.6 | 156.5 |
| 1970 | 0.2 | 131.2 | 12.4 | 6.8 | 1.0 | 0.8 | 18.4 | 39.4 | 0.0 | 0.7 | NA | NA | 6.5 | 178.1 | 15.8 | R 193.8 |
| 1975 | 0.0 | 102.6 | 13.4 | 8.0 | 0.8 | 8.4 | 24.0 | 54.6 | 0.0 | 1.1 | NA | NA | 6.7 | 164.9 | R 16.0 | 181.0 |
| 1980 | 0.2 | 77.6 | 12.8 | 12.0 | 0.4 | 5.4 | 21.4 | 52.0 | 0.0 | 1.2 | NA | NA | 10.0 | 141.0 | R 24.1 | R 165.2 |
| 1985 | 1.8 | 63.5 | 15.1 | 1.6 | 1.9 | 4.9 | 17.2 | 40.8 | 0.0 | 1.4 | 0.8 | NA | 14.0 | 122.3 | R 32.1 | R 154.5 |
| 1990 | 0.9 | 90.0 | 8.7 | 21.1 | 1.7 | 0.7 | 20.0 | 52.2 | 0.0 | 0.3 | 0.7 | 0.1 | 15.1 | 159.2 | R 34.5 | R 193.7 |
| 1995 | 1.7 | 75.1 | 11.1 | 25.7 | 3.4 | 1.1 | 25.0 | 66.3 | 0.0 | 0.3 | 0.7 | 0.1 | 19.3 | 163.5 | R 43.5 | R 207.0 |
| 1996 | 1.6 | 108.2 | 11.8 | 3.3 | 3.4 | 1.2 | 37.0 | 56.8 | 0.0 | 0.2 | 0.3 | 0.1 | 20.2 | 187.4 | R 45.7 | R 233.1 |
| 1997 | 1.7 | 92.4 | 12.1 | 4.8 | 3.6 | 1.0 | 35.6 | 57.1 | 0.0 | 0.2 | 0.5 | 0.1 | 21.1 | 173.0 | R 47.5 | R 220.6 |
| 1998 | 1.6 | 82.9 | 11.0 | 3.3 | 2.6 | 0.9 | 39.3 | 57.2 | 0.0 | 0.2 | 0.6 | 0.1 | 21.1 | 163.6 | R 47.6 | R 211.2 |
| 1999 | 1.6 | 79.9 | 12.7 | 6.1 | 1.8 | 0.9 | 38.3 | 59.8 | 0.0 | 0.2 | 0.5 | 0.6 | 20.3 | 162.9 | R 46.2 | R 209.1 |
| 2000 | 1.9 | 107.1 | 13.2 | 1.6 | 1.8 | 0.9 | 36.9 | 54.4 | 0.0 | 0.2 | 0.6 | 0.6 | 18.7 | 183.5 | R 42.4 | R 225.9 |
| 2001 | 1.8 | 106.8 | 12.7 | 1.2 | 3.3 | 0.5 | 20.4 | 38.1 | 0.0 | 0.4 | 0.6 | 0.7 | 18.0 | 166.4 | R 39.9 | R 206.2 |
| 2002 | 1.8 | 94.3 | 12.1 | 1.2 | 3.2 | 0.8 | 27.9 | 45.3 | 0.0 | 0.3 | 0.9 | 0.7 | 18.1 | 161.4 | R 40.2 | R 201.6 |
| 2003 | 2.0 | 100.6 | 13.5 | 1.2 | 3.5 | 1.0 | 29.1 | 48.3 | 0.0 | 0.3 | 1.0 | 0.5 | 20.0 | 172.6 | R 43.8 | R 216.4 |
| 2004 | 2.0 | 108.3 | 13.3 | 1.5 | 3.9 | 0.7 | 30.9 | 50.3 | 0.0 | 0.3 | 0.9 | 0.5 | 20.4 | 182.7 | R 44.8 | R 227.5 |
| 2005 | 1.9 | 104.7 | 11.2 | 1.5 | 3.8 | 0.5 | 29.9 | 46.9 | 0.0 | 0.3 | 1.2 | 0.6 | 21.7 | 177.3 | R 47.2 | R 224.5 |
| 2006 | 1.9 | 98.6 | 12.9 | 1.8 | 3.9 | 0.9 | R 29.0 | R 48.5 | 0.0 | R 0.6 | 1.6 | 0.6 | 23.3 | R 175.2 | R 50.0 | R 225.2 |
| 2007 | 1.9 | 104.2 | 13.5 | 18.5 | 2.7 | 1.0 | R 31.2 | R 66.9 | 0.0 | R 0.6 | 1.7 | 0.6 | 23.7 | R 199.7 | R 50.9 | R 250.5 |
| 2008 | 1.6 | 106.8 | R 13.6 | 14.1 | 2.4 | 1.5 | R 26.6 | R 58.2 | 0.0 | R 0.6 | 1.3 | 0.3 | 23.3 | R 192.1 | R 49.9 | R 242.0 |
| 2009 | 1.5 | 105.0 | 8.8 | 14.9 | 2.4 | 0.1 | 24.4 | 50.6 | 0.0 | 0.6 | 1.5 | 0.2 | 21.9 | 181.3 | 46.0 | 227.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 2 | 17 | 201 | 1,919 | 2,186 | 124 | 159 | 9,213 | 25 | 13,826 | 0 | – – | – – | – – |
| 1965 | (s) | 25 | 239 | 2,618 | 2,530 | 203 | 165 | 10,511 | 36 | 16,301 | 0 | – – | – – | – – |
| 1970 | (s) | 30 | 111 | 3,158 | 3,110 | 243 | 166 | 12,884 | 11 | 19,684 | 0 | – – | – – | – – |
| 1975 | 0 | 29 | 81 | 4,200 | 2,667 | 211 | 197 | 16,257 | 0 | 23,615 | 0 | – – | – – | – – |
| 1980 | 0 | 38 | 167 | 5,411 | 2,673 | 29 | 213 | 16,721 | 0 | 25,214 | 0 | – – | – – | – – |
| 1985 | 0 | 26 | 95 | 4,406 | 2,873 | 95 | 194 | 17,431 | 0 | 25,094 | 0 | – – | – – | – – |
| 1990 | 0 | 76 | 86 | 6,016 | 2,912 | 118 | 218 | 18,190 | 0 | 27,539 | 0 | – – | – – | – – |
| 1995 | 0 | 57 | 53 | 2,871 | 2,222 | 94 | 208 | 20,342 | 0 | 25,790 | 0 | – – | – – | – – |
| 1996 | 0 | 27 | 101 | 7,804 | 1,615 | 85 | 202 | 19,570 | 0 | 29,377 | 0 | – – | – – | – – |
| 1997 | 0 | 62 | 102 | 8,504 | 1,752 | 75 | 214 | 20,794 | 0 | 31,440 | 0 | – – | – – | – – |
| 1998 | 0 | 53 | 61 | 9,296 | 2,198 | 1 | 224 | 21,403 | 0 | 33,182 | 0 | – – | – – | – – |
| 1999 | 0 | 49 | 70 | 9,022 | 2,723 | 17 | 226 | 21,828 | 0 | 33,887 | 0 | – – | – – | – – |
| 2000 | 0 | 46 | 73 | 9,327 | 3,017 | 18 | 223 | 20,883 | 0 | 33,541 | 0 | – – | – – | – – |
| 2001 | 0 | 46 | 79 | 9,824 | 3,065 | 37 | 204 | 20,986 | 0 | 34,195 | 0 | – – | – – | – – |
| 2002 | 0 | 42 | 74 | 9,928 | 2,510 | 19 | 202 | 21,398 | 0 | 34,129 | 0 | – – | – – | – – |
| 2003 | 0 | 29 | 64 | 10,207 | 2,438 | 51 | 186 | 21,451 | 0 | 34,398 | 0 | – – | – – | – – |
| 2004 | 0 | 27 | 89 | 11,411 | 2,274 | 81 | 189 | 22,416 | 0 | 36,459 | 0 | – – | – – | – – |
| 2005 | 0 | 20 | 60 | 11,752 | 2,283 | 74 | 188 | 22,262 | 0 | 36,617 | 0 | – – | – – | – – |
| 2006 | 0 | 18 | 49 | 13,179 | 2,353 | 71 | 183 | 22,570 | 0 | 38,405 | 0 | – – | – – | – – |
| 2007 | 0 | 14 | 46 | 13,043 | 1,943 | 39 | 189 | 22,403 | 0 | 37,664 | 0 | – – | – – | – – |
| 2008 | 0 | 14 | 118 | R 11,810 | 1,798 | R 112 | 175 | 21,655 | 0 | R 35,670 | 0 | – – | – – | – – |
| 2009 | 0 | 11 | 87 | 10,906 | 1,338 | 47 | 158 | 22,672 | 0 | 35,207 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | 17.6 | 1.0 | 11.2 | 11.7 | 0.5 | 1.0 | 48.4 | 0.2 | 73.9 | 0.0 | 91.5 | 0.0 | 91.5 |
| 1965 | (s) | 27.6 | 1.2 | 15.3 | 13.7 | 0.8 | 1.0 | 55.2 | 0.2 | 87.4 | 0.0 | 115.0 | 0.0 | 115.0 |
| 1970 | (s) | 32.8 | 0.6 | 18.4 | 17.0 | 0.9 | 1.0 | 67.7 | 0.1 | 105.7 | 0.0 | 138.5 | 0.0 | 138.5 |
| 1975 | 0.0 | 31.2 | 0.4 | 24.5 | 14.6 | 0.8 | 1.2 | 85.4 | 0.0 | 126.9 | 0.0 | 158.1 | 0.0 | 158.1 |
| 1980 | 0.0 | 40.2 | 0.8 | 31.5 | 14.6 | 0.1 | 1.3 | 87.8 | 0.0 | 136.2 | 0.0 | 176.3 | 0.0 | 176.3 |
| 1985 | 0.0 | 28.2 | 0.5 | 25.7 | 15.7 | 0.3 | 1.2 | 91.6 | 0.0 | 134.9 | 0.0 | 163.6 | 0.0 | 163.6 |
| 1990 | 0.0 | 80.4 | 0.4 | 35.0 | 16.0 | 0.4 | 1.3 | 95.6 | 0.0 | 148.8 | 0.0 | 230.4 | 0.0 | 230.4 |
| 1995 | 0.0 | 58.0 | 0.3 | 16.7 | 12.6 | 0.3 | 1.3 | 106.1 | 0.0 | 137.3 | 0.0 | 195.3 | 0.0 | 195.3 |
| 1996 | 0.0 | 28.0 | 0.5 | 45.5 | 9.2 | 0.3 | 1.2 | 102.1 | 0.0 | 158.7 | 0.0 | 186.7 | 0.0 | 186.7 |
| 1997 | 0.0 | 63.8 | 0.5 | 49.5 | 9.9 | 0.3 | 1.3 | 108.4 | 0.0 | 169.9 | 0.0 | 233.7 | 0.0 | 233.7 |
| 1998 | 0.0 | 51.4 | 0.3 | 54.1 | 12.5 | (s) | 1.4 | 111.6 | 0.0 | 179.8 | 0.0 | 231.2 | 0.0 | 231.2 |
| 1999 | 0.0 | 47.5 | 0.4 | 52.6 | 15.4 | 0.1 | 1.4 | 113.7 | 0.0 | 183.5 | 0.0 | 231.0 | 0.0 | 231.0 |
| 2000 | 0.0 | 44.5 | 0.4 | 54.3 | 17.1 | 0.1 | 1.4 | 108.8 | 0.0 | 182.0 | 0.0 | 226.5 | 0.0 | 226.5 |
| 2001 | 0.0 | 44.5 | 0.4 | 57.2 | 17.4 | 0.1 | 1.2 | 109.3 | 0.0 | 185.7 | 0.0 | 230.2 | 0.0 | 230.2 |
| 2002 | 0.0 | 40.6 | 0.4 | 57.8 | 14.2 | 0.1 | 1.2 | 111.4 | 0.0 | 185.2 | 0.0 | 225.8 | 0.0 | 225.8 |
| 2003 | 0.0 | 30.1 | 0.3 | 59.5 | 13.8 | 0.2 | 1.1 | 111.7 | 0.0 | 186.6 | 0.0 | 216.8 | 0.0 | 216.8 |
| 2004 | 0.0 | 28.0 | 0.4 | 66.5 | 12.9 | 0.3 | 1.1 | 116.9 | 0.0 | 198.1 | 0.0 | 226.2 | 0.0 | 226.2 |
| 2005 | 0.0 | 20.4 | 0.3 | 68.5 | 12.9 | 0.3 | 1.1 | 116.2 | 0.0 | 199.3 | 0.0 | 219.7 | 0.0 | 219.7 |
| 2006 | 0.0 | 18.1 | 0.2 | 76.8 | 13.3 | 0.3 | 1.1 | 117.8 | 0.0 | 209.5 | 0.0 | 227.6 | 0.0 | 227.6 |
| 2007 | 0.0 | 14.1 | 0.2 | 76.0 | 11.0 | 0.1 | 1.1 | 116.9 | 0.0 | 205.4 | 0.0 | 219.5 | 0.0 | 219.5 |
| 2008 | 0.0 | R 13.9 | 0.6 | R 68.8 | 10.2 | 0.4 | 1.1 | 113.0 | 0.0 | R 194.1 | 0.0 | R 208.0 | 0.0 | R 208.0 |
| 2009 | 0.0 | 11.4 | 0.4 | 63.5 | 7.6 | 0.2 | 1.0 | 118.3 | 0.0 | 191.0 | 0.0 | 202.4 | 0.0 | 202.4 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, New Mexico

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 26 | 34 | 107 | 10 | 0 | 117 | 0 | 69 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 2,418 | 44 | 42 | 4 | 0 | 46 | 0 | 43 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 5,518 | 55 | 86 | 8 | 0 | 94 | 0 | 66 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 7,425 | 65 | 1,704 | 34 | 0 | 1,738 | 0 | 63 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 11,406 | 56 | 175 | 216 | 0 | 391 | 0 | 94 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 14,498 | 28 | 41 | 45 | 0 | 86 | 0 | 128 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 15,065 | 25 | 32 | 37 | 0 | 69 | 0 | 205 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 15,137 | 32 | 1 | 44 | 0 | 44 | 0 | 264 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 15,215 | 35 | (s) | 43 | 0 | 43 | 0 | 211 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 15,802 | 40 | (s) | 41 | 0 | 42 | 0 | 259 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 15,883 | 46 | 0 | 45 | 0 | 45 | 0 | 236 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 16,224 | 43 | 0 | 72 | 0 | 72 | 0 | 243 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 16,503 | 47 | 0 | 67 | 0 | 67 | 0 | 221 | – – | 0 | 0 | 0 | (s) | – – |
| 2001 | 15,955 | 49 | 9 | 61 | 0 | 70 | 0 | 237 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 15,197 | 37 | 0 | 54 | 0 | 54 | 0 | 265 | – – | 0 | 0 | 0 | 15 | – – |
| 2003 | 16,542 | 38 | 0 | 88 | 0 | 88 | 0 | 171 | – – | 0 | 0 | 183 | 23 | – – |
| 2004 | 16,661 | 31 | 0 | 53 | 0 | 53 | 0 | 139 | – – | 0 | 0 | 513 | 57 | – – |
| 2005 | 17,034 | 41 | 0 | 64 | 0 | 64 | 0 | 165 | – – | 0 | 0 | 795 | -15 | – – |
| 2006 | 16,961 | 56 | 0 | 73 | 0 | 73 | 0 | 198 | – – | 0 | 0 | 1,255 | -34 | – – |
| 2007 | 15,959 | 61 | 0 | 82 | 0 | 82 | 0 | 268 | – – | 0 | 0 | 1,393 | -25 | – – |
| 2008 | 15,398 | 69 | 0 | 102 | 0 | 102 | 0 | 312 | – – | 0 | 0 | 1,643 | -79 | – – |
| 2009 | 16,513 | 70 | 0 | 85 | 0 | 85 | 0 | 271 | – – | 0 | 0 | 1,547 | -88 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.6 | 34.9 | 0.7 | 0.1 | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 0.0 | NA | NA | 0.0 | 37.0 |
| 1965 | 43.5 | 48.7 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 0.4 | 0.0 | 0.0 | NA | NA | 0.0 | 93.0 |
| 1970 | 99.1 | 59.5 | 0.5 | (s) | 0.0 | 0.6 | 0.0 | 0.7 | 0.0 | 0.0 | NA | NA | 0.0 | 159.9 |
| 1975 | 132.5 | 67.4 | 10.7 | 0.2 | 0.0 | 10.9 | 0.0 | 0.7 | 0.0 | 0.0 | NA | NA | 0.0 | 211.5 |
| 1980 | 201.8 | 57.9 | 1.1 | 1.3 | 0.0 | 2.4 | 0.0 | 1.0 | 0.0 | 0.0 | NA | NA | 0.0 | 263.1 |
| 1985 | 266.4 | 28.5 | 0.3 | 0.3 | 0.0 | 0.5 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 296.8 |
| 1990 | 274.7 | 26.3 | 0.2 | 0.2 | 0.0 | 0.4 | 0.0 | 2.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 303.7 |
| 1995 | 273.4 | 32.6 | (s) | 0.3 | 0.0 | 0.3 | 0.0 | 2.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 309.1 |
| 1996 | 277.4 | 35.1 | (s) | 0.3 | 0.0 | 0.3 | 0.0 | 2.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 315.0 |
| 1997 | 286.7 | 40.3 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 2.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 329.9 |
| 1998 | 288.6 | 45.3 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 2.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 336.7 |
| 1999 | 296.3 | 42.8 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 342.2 |
| 2000 | 303.5 | 46.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 2.3 | 0.1 | 0.0 | 0.0 | 0.0 | (s) | 352.7 |
| 2001 | 295.2 | 48.1 | 0.1 | 0.4 | 0.0 | 0.4 | 0.0 | 2.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 346.4 |
| 2002 | 282.2 | 37.4 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 2.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 322.9 |
| 2003 | 303.6 | 37.9 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.9 | 0.1 | 345.6 |
| 2004 | 307.4 | 31.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 5.1 | 0.2 | 345.9 |
| 2005 | 315.9 | 41.4 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 1.6 | (s) | 0.0 | 0.0 | 7.9 | -0.1 | 367.3 |
| 2006 | 314.2 | 55.9 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 2.0 | 0.2 | 0.0 | 0.0 | 12.5 | -0.1 | 385.1 |
| 2007 | 294.1 | 62.1 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 2.6 | 0.3 | 0.0 | 0.0 | 13.8 | -0.1 | 373.4 |
| 2008 | 282.8 | 69.9 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 3.1 | 0.5 | 0.0 | 0.0 | 16.2 | -0.3 | 372.8 |
| 2009 | 304.7 | 72.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 2.6 | 0.5 | 0.0 | 0.0 | 15.1 | -0.3 | 395.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 26,418 | 419 | 82,380 | 9,411 | 2,849 | 95,706 | 77,563 | 29,628 | 297,538 | 0 | 12,087 | NA |
| 1965 | 28,736 | 545 | 104,033 | 23,620 | 3,174 | 109,226 | 104,296 | 23,028 | 367,377 | 727 | 19,576 | NA |
| 1970 | 23,936 | 711 | 111,107 | 38,338 | 4,506 | 130,737 | 152,252 | 23,414 | 460,354 | 4,273 | 25,051 | NA |
| 1971 | 17,593 | 717 | 113,875 | 39,280 | 4,757 | 136,999 | 158,357 | 24,133 | 477,402 | 6,521 | 25,430 | NA |
| 1972 | 14,283 | 693 | 119,408 | 43,509 | 5,303 | 140,964 | 161,435 | 25,228 | 495,846 | 6,465 | 27,794 | NA |
| 1973 | 14,613 | 683 | 121,012 | 43,403 | 5,179 | 145,099 | 169,105 | 25,491 | 509,290 | 7,227 | 29,364 | NA |
| 1974 | 15,146 | 627 | 109,483 | 38,230 | 4,753 | 134,343 | 152,776 | 24,535 | 464,120 | 9,272 | 28,813 | NA |
| 1975 | 12,678 | 577 | 105,118 | 38,634 | 5,188 | 133,461 | 144,721 | 22,486 | 449,609 | 13,111 | 28,323 | NA |
| 1976 | 14,456 | 596 | 115,090 | 38,574 | 5,580 | 143,459 | 152,639 | 23,505 | 478,846 | 15,659 | 28,845 | NA |
| 1977 | 13,519 | 562 | 115,468 | 39,197 | 5,865 | 141,083 | 156,520 | 23,899 | 482,033 | 20,590 | 25,678 | NA |
| 1978 | 12,034 | 570 | 113,553 | 38,907 | 5,928 | 144,925 | 150,720 | 25,049 | 479,083 | 21,701 | 26,074 | NA |
| 1979 | 12,585 | 624 | 90,071 | 35,746 | 5,663 | 137,083 | 127,846 | 23,834 | 420,243 | 18,507 | 26,483 | NA |
| 1980 | 12,503 | 737 | 72,559 | 35,936 | 5,631 | 127,422 | 115,488 | 21,530 | 378,566 | 19,276 | 26,474 | NA |
| 1981 | 12,388 | 760 | 64,120 | 25,383 | 5,215 | 129,730 | 95,745 | 19,948 | 340,141 | 17,444 | 25,891 | 0 |
| 1982 | 11,514 | 775 | 62,116 | 4,827 | 4,878 | 129,867 | 95,706 | 17,835 | 315,229 | 14,438 | 25,563 | 0 |
| 1983 | 10,676 | 720 | 56,756 | 3,790 | 4,905 | 127,144 | 76,067 | 18,003 | 286,665 | 16,376 | 26,395 | 0 |
| 1984 | 11,895 | 790 | 65,732 | 3,887 | 5,056 | 113,249 | 73,011 | 20,514 | 281,449 | 21,187 | 26,819 | 0 |
| 1985 | 11,944 | 763 | 67,766 | 3,856 | 4,923 | 136,330 | 66,334 | 21,513 | 300,723 | 24,092 | 27,189 | 0 |
| 1986 | 9,931 | 729 | 76,544 | 3,738 | 4,878 | 136,798 | 79,619 | 19,299 | 320,876 | 22,084 | 29,713 | 0 |
| 1987 | 11,471 | 779 | 81,230 | 2,904 | 5,474 | 142,918 | 77,490 | 22,099 | 332,116 | 22,926 | 27,779 | 0 |
| 1988 | 12,956 | 790 | 83,567 | 4,915 | 5,238 | 130,449 | 88,972 | 24,795 | 337,938 | 24,175 | 24,134 | 0 |
| 1989 | 14,131 | 846 | 82,091 | 6,047 | 5,579 | 133,483 | 85,316 | 20,966 | 333,482 | 22,847 | 24,818 | 0 |
| 1990 | 13,597 | 869 | 73,802 | 5,447 | 5,606 | 139,180 | 77,242 | 19,869 | 321,146 | 23,623 | 28,188 | 0 |
| 1991 | 13,641 | 892 | 68,063 | 5,300 | 7,206 | 133,311 | 67,751 | 19,952 | 301,583 | 28,448 | 27,172 | 0 |
| 1992 | 13,760 | 1,005 | 72,742 | 5,357 | 7,076 | 129,064 | 51,308 | 20,972 | 286,519 | 24,155 | 28,057 | 0 |
| 1993 | 12,651 | 994 | 72,898 | 5,131 | 6,139 | 131,710 | 47,822 | 21,393 | 285,093 | 26,889 | 29,443 | 83 |
| 1994 | 12,231 | 1,066 | 73,218 | 5,729 | 6,351 | 128,228 | 40,125 | 20,868 | 274,519 | 29,231 | 27,791 | 205 |
| 1995 | 11,785 | 1,260 | 70,349 | 7,697 | 6,332 | 132,627 | 30,126 | 20,112 | 267,243 | 26,336 | 25,993 | 654 |
| 1996 | 12,074 | 1,200 | 71,914 | 11,532 | 7,073 | 130,979 | 36,628 | 32,149 | 290,276 | 35,226 | 28,951 | 552 |
| 1997 | 12,522 | 1,324 | 71,033 | 12,138 | 6,686 | 130,923 | 29,992 | 33,603 | 284,375 | 29,570 | 30,618 | 532 |
| 1998 | 12,952 | 1,233 | 64,516 | 14,800 | 7,306 | 131,469 | 35,732 | 36,150 | 289,973 | 31,314 | 29,316 | 394 |
| 1999 | 12,187 | 1,274 | 71,969 | 9,122 | 7,316 | 133,621 | 35,353 | 36,688 | 294,069 | 37,019 | 24,752 | 341 |
| 2000 | 12,612 | 1,245 | 79,039 | 9,516 | 9,850 | 132,831 | 42,349 | 35,108 | 308,694 | 31,508 | 24,910 | 377 |
| 2001 | 11,783 | 1,172 | 82,878 | 14,655 | 7,111 | 133,724 | 37,090 | 22,367 | 297,824 | 40,395 | 23,084 | 107 |
| 2002 | 10,908 | 1,200 | 76,684 | 15,428 | 7,613 | 136,664 | 31,110 | 20,237 | 287,736 | 39,617 | 25,048 | 95 |
| 2003 | 11,314 | 1,102 | 88,919 | 17,268 | 7,771 | 138,010 | 46,578 | 20,501 | 319,047 | 40,679 | 24,269 | 549 |
| 2004 | 11,335 | 1,098 | 95,300 | 19,300 | 8,639 | 137,391 | 51,469 | 24,964 | 337,063 | 40,640 | 23,990 | 7,024 |
| 2005 | 10,739 | 1,080 | 86,630 | 20,016 | 8,261 | 137,355 | 52,150 | 26,665 | 331,077 | 42,443 | 25,783 | 2,322 |
| 2006 | 10,979 | 1,097 | 75,871 | 20,341 | 7,152 | 140,020 | 25,526 | R 20,807 | R 289,718 | 42,224 | 27,345 | 6,057 |
| 2007 | 11,058 | 1,187 | 78,850 | 19,977 | 7,345 | 139,140 | 28,975 | R 18,310 | R 292,598 | 42,453 | 25,253 | 7,615 |
| 2008 | 10,157 | 1,180 | R 73,436 | 21,658 | 8,536 | 136,105 | 24,745 | R 16,877 | R 281,357 | 43,209 | 26,723 | 9,966 |
| 2009 | 7,032 | 1,142 | 65,804 | 16,760 | 8,344 | 136,302 | 24,791 | 14,749 | 266,750 | 43,485 | 27,615 | 12,023 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New York

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 691.7 | 434.1 | 479.9 | 52.6 | 11.4 | 502.7 | 487.6 | 166.2 | 1,700.6 | 2,826.4 | *434.1* | *502.7* |
| 1965 | 755.2 | 558.7 | 606.0 | 133.2 | 12.7 | 573.8 | 655.7 | 136.1 | 2,117.5 | 3,431.4 | *558.7* | *573.8* |
| 1970 | 598.9 | 725.8 | 647.2 | 216.7 | 17.0 | 686.8 | 957.2 | 138.5 | 2,663.4 | 3,988.2 | *725.8* | *686.8* |
| 1971 | 435.7 | 731.6 | 663.3 | 222.1 | 17.9 | 719.7 | 995.6 | 142.9 | 2,761.4 | 3,928.7 | *731.6* | *719.7* |
| 1972 | 355.4 | 707.3 | 695.5 | 246.1 | 19.9 | 740.5 | 1,014.9 | 149.2 | 2,866.2 | 3,928.9 | *707.3* | *740.5* |
| 1973 | 369.3 | 703.0 | 704.9 | 245.5 | 19.4 | 762.2 | 1,063.2 | 152.5 | 2,947.7 | 4,020.0 | *703.0* | *762.2* |
| 1974 | 374.2 | 641.9 | 637.7 | 216.2 | 17.7 | 705.7 | 960.5 | 146.2 | 2,684.1 | 3,700.2 | *641.9* | *705.7* |
| 1975 | 312.5 | 585.5 | 612.3 | 218.5 | 19.3 | 701.1 | 909.9 | 133.6 | 2,594.6 | 3,492.7 | *585.5* | *701.1* |
| 1976 | 363.8 | 604.3 | 670.4 | 218.2 | 20.7 | 753.6 | 959.6 | 139.5 | 2,762.0 | 3,730.1 | *604.3* | *753.6* |
| 1977 | 336.9 | 567.9 | 672.6 | 221.7 | 21.6 | 741.1 | 984.0 | 142.0 | 2,783.1 | 3,687.8 | *567.9* | *741.1* |
| 1978 | 297.3 | 576.5 | 661.4 | 220.1 | 21.8 | 761.3 | 947.6 | 149.0 | 2,761.2 | 3,635.0 | *576.5* | *761.3* |
| 1979 | 315.2 | 633.6 | 524.7 | 202.2 | 20.8 | 720.1 | 803.8 | 141.0 | 2,412.6 | 3,361.3 | *633.6* | *720.1* |
| 1980 | 313.7 | 752.6 | 422.7 | 203.3 | 20.7 | 669.3 | 726.1 | 126.6 | 2,168.7 | 3,234.9 | *755.9* | *669.3* |
| 1981 | 308.7 | 770.9 | 373.5 | 143.5 | 19.0 | 681.5 | 602.0 | 118.7 | 1,938.2 | 3,017.7 | *775.7* | *681.5* |
| 1982 | 289.0 | 790.7 | 361.8 | 27.0 | 17.6 | 682.2 | 601.7 | 106.5 | 1,796.9 | 2,876.5 | *793.1* | *682.2* |
| 1983 | 268.0 | 738.2 | 330.6 | 21.1 | 17.7 | 667.9 | 478.2 | 108.2 | 1,623.7 | 2,629.8 | *739.8* | *667.9* |
| 1984 | 299.9 | 809.5 | 382.9 | 21.5 | 18.2 | 594.9 | 459.0 | 121.0 | 1,597.5 | 2,706.9 | *811.3* | *594.9* |
| 1985 | 301.4 | 782.9 | 394.7 | 21.4 | 17.7 | 716.1 | 417.0 | 128.6 | 1,695.6 | 2,779.9 | *784.7* | *716.1* |
| 1986 | 253.3 | 749.2 | 445.9 | 20.8 | 17.8 | 718.6 | 500.6 | 115.2 | 1,818.7 | 2,821.3 | *749.9* | *718.6* |
| 1987 | 294.3 | 801.5 | 473.2 | 16.0 | 20.0 | 750.7 | 487.2 | 131.6 | 1,878.7 | 2,974.5 | *801.9* | *750.7* |
| 1988 | 333.0 | 812.4 | 486.8 | 27.4 | 19.1 | 685.3 | 559.4 | 148.6 | 1,926.5 | 3,071.9 | *813.1* | *685.3* |
| 1989 | 363.8 | 869.7 | 478.2 | 33.8 | 20.5 | 701.2 | 536.4 | 123.8 | 1,893.9 | 3,127.3 | *870.9* | *701.2* |
| 1990 | 349.8 | 895.0 | 429.9 | 30.4 | 20.3 | 731.1 | 485.6 | 118.1 | 1,815.5 | 3,060.2 | *895.4* | *731.1* |
| 1991 | 352.3 | 916.5 | 396.5 | 29.6 | 26.0 | 700.3 | 426.0 | 119.1 | 1,697.4 | 2,966.2 | *917.2* | *700.3* |
| 1992 | 356.0 | 1,032.7 | 423.7 | 29.9 | 25.6 | 678.0 | 322.6 | 125.4 | 1,605.2 | 2,994.0 | *1,034.0* | *678.0* |
| 1993 | 326.2 | 1,021.5 | 424.6 | 28.7 | 22.1 | 691.6 | 300.7 | 128.5 | 1,596.2 | 2,943.9 | *1,023.2* | *691.9* |
| 1994 | 316.7 | 1,094.1 | 426.5 | 32.3 | 23.1 | 669.9 | 252.3 | 124.8 | 1,528.9 | R 2,939.8 | *1,095.6* | *670.6* |
| 1995 | 305.3 | 1,293.9 | 409.8 | 43.6 | 22.9 | R 689.4 | 189.4 | 120.2 | 1,475.3 | R 3,074.5 | *1,295.4* | *691.7* |
| 1996 | 311.8 | 1,229.5 | 418.9 | 65.4 | 25.6 | R 681.3 | 230.3 | 183.6 | R 1,605.0 | R 3,146.3 | *1,230.8* | *683.2* |
| 1997 | 325.2 | 1,357.2 | 413.8 | 68.8 | 24.2 | R 680.7 | 188.6 | 192.1 | 1,568.1 | 3,250.5 | *1,358.1* | *682.5* |
| 1998 | 337.4 | 1,266.3 | 375.8 | 83.9 | 26.4 | 683.8 | 224.6 | 207.5 | 1,602.1 | 3,205.9 | *1,267.1* | *685.2* |
| 1999 | 318.0 | 1,308.2 | 419.2 | 51.7 | 26.5 | 695.1 | 222.3 | 210.2 | 1,625.0 | R 3,251.2 | *1,308.7* | *696.3* |
| 2000 | 330.8 | 1,278.8 | 460.4 | 54.0 | 35.5 | 690.7 | 266.2 | 200.0 | R 1,706.9 | 3,316.5 | *1,279.7* | *692.0* |
| 2001 | 307.0 | 1,204.9 | 482.8 | 83.1 | 25.7 | 696.3 | 233.2 | 133.2 | 1,654.2 | 3,166.1 | *1,205.9* | *696.7* |
| 2002 | 280.6 | 1,227.2 | 446.7 | 87.5 | 27.5 | 711.4 | 195.6 | 120.2 | 1,588.9 | 3,096.7 | *1,227.2* | *711.7* |
| 2003 | 286.2 | 1,131.3 | 518.0 | 97.9 | 28.2 | 716.7 | 292.8 | 121.8 | 1,775.4 | 3,192.9 | *1,131.4* | *718.6* |
| 2004 | 276.5 | 1,126.6 | 555.1 | 109.4 | 31.3 | R 692.1 | 323.6 | 149.6 | R 1,861.1 | R 3,264.2 | *1,126.6* | *716.5* |
| 2005 | 256.9 | 1,107.2 | 504.6 | 113.5 | 29.9 | R 708.7 | 327.9 | 159.4 | R 1,844.0 | R 3,208.0 | *1,107.2* | *716.7* |
| 2006 | 256.3 | 1,120.2 | 442.0 | 115.3 | 25.8 | R 709.6 | 160.5 | R 126.5 | R 1,579.6 | R 2,956.2 | *1,120.2* | *730.6* |
| 2007 | 258.4 | 1,215.5 | 459.3 | 113.3 | 26.4 | R 699.7 | 182.2 | R 111.1 | R 1,591.9 | R 3,065.9 | *1,215.5* | *726.2* |
| 2008 | 229.0 | R 1,205.1 | R 427.8 | 122.8 | 30.7 | R 675.6 | 155.6 | R 103.0 | R 1,515.4 | R 2,949.6 | R *1,205.1* | *710.2* |
| 2009 | 156.0 | 1,166.1 | 383.3 | 95.0 | 29.7 | 669.6 | 155.9 | 89.9 | 1,423.4 | 2,745.5 | *1,166.1* | *711.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, New York (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 130.1 | 59.3 | NA | NA | 59.3 | 0.0 | NA | NA | 189.3 | -38.5 | 12.4 | R 2,989.5 |
| 1965 | 8.6 | 204.6 | 58.1 | NA | NA | 58.1 | 0.0 | NA | NA | 262.7 | R -31.7 | 1.7 | R 3,672.7 |
| 1970 | 46.9 | 262.9 | 62.6 | NA | NA | 62.6 | 0.0 | NA | NA | 325.5 | R -44.0 | 3.2 | R 4,319.8 |
| 1971 | 70.7 | 266.5 | 60.2 | NA | NA | 60.2 | 0.0 | NA | NA | 326.6 | R -61.2 | 2.9 | R 4,267.6 |
| 1972 | 69.8 | 288.5 | 59.5 | NA | NA | 59.5 | 0.0 | NA | NA | 348.0 | R -63.2 | 5.4 | R 4,288.9 |
| 1973 | 78.8 | 305.1 | 59.6 | NA | NA | 59.6 | 0.0 | NA | NA | 364.7 | R -31.3 | 7.8 | R 4,440.0 |
| 1974 | 103.5 | 300.9 | 62.1 | NA | NA | 62.1 | 0.0 | NA | NA | 363.0 | R -27.5 | 10.6 | R 4,149.7 |
| 1975 | 144.4 | 294.7 | 60.2 | NA | NA | 60.2 | 0.0 | NA | NA | 354.9 | R -53.5 | 5.6 | R 3,944.0 |
| 1976 | 173.0 | 299.2 | 69.3 | NA | NA | 69.3 | 0.0 | NA | NA | 368.5 | R -38.9 | 8.3 | R 4,240.9 |
| 1977 | 221.7 | 268.0 | 74.2 | NA | NA | 74.2 | 0.0 | NA | NA | 342.2 | R -46.6 | 10.5 | R 4,215.6 |
| 1978 | 237.4 | 270.2 | 84.7 | NA | NA | 84.7 | 0.0 | NA | NA | 354.9 | R -24.5 | 16.6 | R 4,219.4 |
| 1979 | 201.3 | 274.2 | 94.2 | NA | NA | 94.2 | 0.0 | NA | NA | 368.4 | R 31.6 | 40.7 | R 4,003.2 |
| 1980 | 210.3 | 275.0 | 129.7 | NA | NA | 129.7 | 0.0 | NA | NA | 404.7 | R 21.9 | 24.5 | R 3,896.2 |
| 1981 | 192.4 | 270.6 | 143.3 | 0.0 | 0.0 | 143.3 | 0.0 | NA | NA | 413.9 | R 30.1 | 48.1 | R 3,702.3 |
| 1982 | 159.9 | 267.2 | 130.2 | 0.0 | 0.0 | 130.2 | 0.0 | NA | NA | 397.4 | R 65.1 | 51.6 | R 3,550.6 |
| 1983 | 178.6 | 277.7 | 158.2 | 0.0 | 0.0 | 158.2 | 0.0 | NA | 0.0 | 435.9 | R 57.7 | 69.2 | R 3,371.2 |
| 1984 | 229.7 | 280.0 | 129.6 | 0.0 | 0.0 | 129.6 | 0.0 | 0.0 | 0.0 | 409.6 | R 6.2 | 71.4 | R 3,423.7 |
| 1985 | 255.9 | 284.0 | 131.5 | 0.0 | 0.0 | 131.5 | 0.0 | 0.0 | 0.0 | 415.5 | R 17.5 | 59.0 | R 3,527.8 |
| 1986 | 233.6 | 310.4 | 118.8 | 0.0 | 0.0 | 118.8 | 0.0 | 0.0 | 0.0 | 429.1 | R 43.4 | 52.8 | R 3,580.2 |
| 1987 | 239.4 | 289.4 | 110.6 | 0.0 | 0.0 | 110.6 | 0.0 | 0.0 | 0.0 | 400.0 | R 16.9 | 52.8 | R 3,683.7 |
| 1988 | 256.3 | 249.2 | 116.5 | 0.0 | 0.0 | 116.5 | 0.0 | 0.0 | 0.0 | 365.6 | R 38.9 | 41.6 | R 3,774.3 |
| 1989 | 241.8 | 258.9 | 119.8 | 0.0 | 0.0 | 119.8 | 0.1 | 0.3 | 0.0 | 379.0 | R 32.7 | 15.5 | R 3,796.4 |
| 1990 | 250.0 | 293.2 | 97.4 | 0.0 | 0.0 | 97.4 | 0.1 | 0.3 | 0.0 | 390.9 | R 39.5 | 2.4 | R 3,743.0 |
| 1991 | 298.3 | 283.6 | 95.1 | 0.0 | 0.0 | 95.1 | 0.1 | 0.3 | 0.0 | 379.0 | R 42.0 | 10.4 | R 3,696.0 |
| 1992 | 252.9 | 290.2 | 104.5 | 0.0 | 0.0 | 104.5 | 0.1 | 0.3 | 0.0 | 395.1 | R 116.0 | 10.4 | R 3,768.4 |
| 1993 | 282.4 | 303.5 | 117.3 | 0.3 | 0.0 | 117.6 | 0.1 | 0.3 | 0.0 | 421.6 | R 166.5 | 18.9 | R 3,833.4 |
| 1994 | 305.5 | 286.7 | 122.0 | 0.7 | 0.0 | 122.7 | 0.2 | 0.4 | 0.0 | R 409.9 | R 115.2 | 43.6 | R 3,814.0 |
| 1995 | 276.7 | 268.0 | 122.6 | 2.3 | 0.0 | 124.9 | 0.2 | 0.4 | 0.0 | R 393.5 | R 83.4 | 30.4 | R 3,858.5 |
| 1996 | 370.0 | 299.4 | 139.2 | 1.9 | 0.0 | R 141.1 | 0.2 | 0.5 | 0.0 | R 441.2 | R 69.2 | 24.1 | R 4,050.7 |
| 1997 | 310.3 | 312.7 | 177.7 | 1.8 | 0.0 | R 179.5 | 0.2 | 0.5 | 0.0 | R 493.0 | R 36.7 | 5.3 | R 4,095.8 |
| 1998 | 328.5 | 298.9 | 159.0 | 1.4 | 0.0 | 160.4 | 0.3 | R 0.5 | 0.0 | 460.2 | R 21.9 | 2.8 | R 4,019.4 |
| 1999 | 386.8 | 253.1 | 167.1 | 1.2 | 0.0 | 168.3 | 0.3 | 0.6 | 0.0 | 422.3 | R 45.6 | 3.3 | R 4,109.3 |
| 2000 | 328.6 | 254.1 | 176.1 | 1.3 | 0.0 | 177.4 | 0.3 | R 0.5 | 0.1 | 432.5 | R 134.6 | 29.6 | R 4,241.7 |
| 2001 | 421.8 | 238.5 | 111.1 | 0.4 | 0.0 | 111.5 | 0.3 | R 0.5 | 0.2 | 351.1 | R 88.7 | 26.5 | R 4,054.2 |
| 2002 | 413.7 | 254.8 | 107.4 | 0.3 | 0.0 | 107.7 | 0.4 | 0.6 | 0.8 | 364.3 | R 157.2 | 37.4 | R 4,069.3 |
| 2003 | 423.9 | 248.5 | 110.2 | 1.9 | 0.0 | 112.1 | 0.5 | 0.6 | 0.4 | R 362.1 | R 143.5 | 18.7 | R 4,141.2 |
| 2004 | 423.8 | 240.4 | 116.2 | 24.4 | 0.0 | R 140.6 | 0.5 | 0.7 | 1.2 | R 383.4 | R 158.8 | 17.7 | R 4,247.8 |
| 2005 | 442.9 | 257.8 | 105.2 | 8.1 | 0.0 | R 113.3 | 0.6 | 0.9 | 1.0 | R 373.6 | R 106.1 | 25.0 | R 4,155.7 |
| 2006 | 440.6 | 271.2 | R 100.3 | 21.0 | 0.0 | R 121.3 | 0.7 | R 1.1 | 6.5 | R 400.9 | R 67.9 | 34.1 | R 3,899.6 |
| 2007 | 445.1 | 249.6 | R 104.6 | 26.4 | 0.2 | R 131.2 | 0.7 | R 1.3 | 8.2 | R 391.1 | R 99.5 | 38.5 | R 4,040.1 |
| 2008 | 451.7 | 263.3 | R 107.1 | 34.6 | 4.9 | R 146.7 | 0.8 | R 1.6 | 12.3 | R 424.7 | R 101.0 | 45.4 | R 3,972.4 |
| 2009 | 454.8 | 269.5 | 106.3 | 41.6 | 2.8 | 150.7 | 1.0 | 1.8 | 22.1 | 445.2 | 139.5 | 33.4 | 3,818.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 14,115 | 362 | 81,840 | 9,411 | 2,849 | 95,706 | 67,712 | 29,628 | 287,146 | 341 | – – | – – | – – | – – | 46,516 | – – | – – | – – |
| 1965 | 15,146 | 470 | 102,859 | 23,620 | 3,174 | 109,226 | 82,886 | 23,028 | 344,794 | 275 | – – | – – | – – | – – | 65,800 | – – | – – | – – |
| 1970 | 12,811 | 605 | 107,968 | 38,338 | 4,506 | 130,737 | 95,465 | 23,414 | 400,427 | 269 | – – | – – | – – | – – | 87,800 | – – | – – | – – |
| 1975 | 6,554 | 563 | 101,180 | 37,252 | 5,188 | 133,461 | 60,383 | 22,486 | 359,951 | 188 | – – | – – | – – | – – | 95,841 | – – | – – | – – |
| 1980 | 6,057 | 613 | 71,830 | 35,916 | 5,631 | 127,422 | 51,590 | 21,530 | 313,919 | 233 | – – | – – | – – | – – | 105,310 | – – | – – | – – |
| 1985 | 4,157 | 590 | 66,945 | 3,856 | 4,923 | 136,330 | 23,114 | 21,513 | 256,682 | 233 | – – | – – | – – | – – | 112,674 | – – | – – | – – |
| 1990 | 3,472 | 640 | 72,707 | 5,447 | 5,606 | 139,180 | 23,442 | 19,869 | 266,251 | 136 | – – | – – | – – | – – | 129,324 | – – | – – | – – |
| 1995 | 3,011 | 829 | 68,722 | 7,697 | 6,332 | 132,627 | 17,863 | 20,112 | 253,353 | 98 | – – | – – | – – | – – | 130,471 | – – | – – | – – |
| 2000 | 2,848 | 871 | 76,687 | 9,516 | 9,850 | 132,831 | 19,560 | 34,841 | 283,285 | 91 | – – | – – | – – | – – | 142,027 | – – | – – | – – |
| 2001 | 2,525 | 814 | 79,868 | 14,655 | 7,111 | 133,724 | 11,944 | 22,329 | 269,630 | 70 | – – | – – | – – | – – | 144,181 | – – | – – | – – |
| 2002 | 1,753 | 834 | 74,455 | 15,428 | 7,613 | 136,664 | 13,866 | 20,008 | 268,034 | 67 | – – | – – | – – | – – | 147,440 | – – | – – | – – |
| 2003 | 1,668 | 841 | 86,510 | 17,268 | 7,771 | 138,010 | 16,951 | 20,307 | 286,816 | 80 | – – | – – | – – | – – | 144,045 | – – | – – | – – |
| 2004 | 1,633 | 839 | 93,560 | 19,300 | 8,639 | 137,391 | 18,747 | 24,450 | 302,087 | 83 | – – | – – | – – | – – | 145,082 | – – | – – | – – |
| 2005 | 1,670 | 776 | 85,056 | 20,016 | 8,261 | 137,355 | 17,086 | 24,409 | 292,183 | 63 | – – | – – | – – | – – | 150,148 | – – | – – | – – |
| 2006 | 1,562 | 709 | 75,250 | 20,341 | 7,152 | 140,020 | 15,772 | 19,947 | 278,482 | 93 | – – | – – | – – | – – | 142,238 | – – | – – | – – |
| 2007 | 1,445 | 779 | 77,478 | 19,977 | 7,345 | 139,140 | 17,248 | 17,814 | 279,002 | 62 | – – | – – | – – | – – | 148,178 | – – | – – | – – |
| 2008 | 1,273 | 781 | 72,627 | 21,658 | 8,536 | 136,105 | 19,810 | 16,515 | 275,251 | 69 | – – | – – | – – | – – | 144,053 | – – | – – | – – |
| 2009 | 924 | 774 | 65,067 | 16,760 | 8,344 | 136,302 | 21,530 | 14,450 | 262,454 | 125 | – – | – – | – – | – – | 140,034 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 365.7 | 374.3 | 476.7 | 52.6 | 11.4 | 502.7 | 425.7 | 166.2 | 1,635.5 | 3.7 | 59.3 | NA | NA | NA | 158.7 | 2,597.0 | 392.5 | 2,989.5 |
| 1965 | 392.7 | 482.5 | 599.2 | 133.2 | 12.7 | 573.8 | 521.1 | 136.1 | 1,976.1 | 2.9 | 58.1 | NA | NA | NA | 224.5 | 3,136.8 | 536.0 | 3,672.7 |
| 1970 | 324.6 | 617.4 | 628.9 | 216.7 | 17.0 | 686.8 | 600.2 | 138.5 | 2,288.1 | 2.8 | 62.6 | NA | NA | NA | 299.6 | 3,595.1 | 724.7 | 4,319.8 |
| 1975 | 165.2 | 571.6 | 589.4 | 210.7 | 19.3 | 701.1 | 379.6 | 133.6 | 2,033.6 | 2.0 | 60.2 | NA | NA | NA | 327.0 | 3,159.6 | 784.4 | 3,944.0 |
| 1980 | 154.9 | 627.0 | 418.4 | 203.2 | 20.7 | 669.3 | 324.3 | 126.6 | 1,762.6 | 2.4 | 129.5 | NA | NA | NA | 359.3 | 3,033.0 | 863.2 | 3,896.2 |
| 1985 | 105.1 | 606.1 | 390.0 | 21.4 | 17.7 | 716.1 | 145.3 | 128.6 | 1,419.1 | 2.4 | 131.5 | 0.0 | NA | NA | 384.4 | 2,647.3 | 880.5 | 3,527.8 |
| 1990 | 89.4 | 658.6 | 423.5 | 30.4 | 20.3 | 731.1 | 147.4 | 118.1 | 1,470.8 | 1.4 | 69.0 | 0.0 | 0.1 | 0.3 | 441.3 | 2,730.6 | 1,012.5 | 3,743.0 |
| 1995 | 77.9 | 855.0 | 400.3 | 43.6 | 22.9 | 691.7 | 112.3 | 120.2 | 1,391.0 | 1.0 | 83.9 | 0.0 | 0.2 | 0.4 | 445.2 | 2,853.6 | 1,004.9 | 3,858.5 |
| 2000 | 76.1 | 899.6 | 446.7 | 54.0 | 35.5 | 692.0 | 123.0 | 198.4 | 1,549.6 | 0.9 | 134.7 | 0.0 | 0.3 | 0.5 | 484.6 | 3,145.7 | 1,096.0 | 4,241.7 |
| 2001 | 65.9 | 841.7 | 465.2 | 83.1 | 25.7 | 696.7 | 75.1 | 132.9 | 1,478.8 | 0.7 | 85.0 | 0.0 | 0.3 | 0.5 | 491.9 | 2,964.3 | 1,090.0 | 4,054.2 |
| 2002 | 46.3 | 854.7 | 433.7 | 87.5 | 27.5 | 711.7 | 87.2 | 118.9 | 1,466.5 | 0.7 | 82.4 | 0.0 | 0.4 | 0.6 | 503.1 | 2,954.5 | 1,114.8 | 4,069.3 |
| 2003 | 44.1 | 864.2 | 503.9 | 97.9 | 28.2 | 718.6 | 106.6 | 120.6 | 1,575.9 | 0.8 | 85.5 | 0.0 | 0.5 | 0.6 | 491.5 | 3,063.0 | 1,078.2 | 4,141.2 |
| 2004 | 42.9 | 862.4 | 545.0 | 109.4 | 31.3 | 716.5 | 117.9 | 146.5 | 1,666.5 | 0.8 | 90.2 | 0.0 | 0.5 | 0.7 | 495.0 | 3,159.0 | 1,088.8 | 4,247.8 |
| 2005 | 43.9 | 796.6 | 495.4 | 113.5 | 29.9 | 716.7 | 107.4 | 145.8 | 1,608.8 | 0.6 | 77.9 | 0.0 | 0.6 | 0.9 | 512.3 | 3,041.6 | 1,114.0 | 4,155.7 |
| 2006 | 40.5 | 724.7 | 438.3 | 115.3 | 25.8 | 730.6 | 99.2 | 121.3 | 1,530.5 | 0.9 | 72.5 | 0.0 | 0.7 | 1.1 | 485.3 | 2,856.3 | 1,043.3 | 3,899.6 |
| 2007 | 37.9 | 798.7 | 451.3 | 113.3 | 26.4 | 726.2 | 108.4 | 108.1 | 1,533.6 | 0.6 | 77.1 | 0.2 | 0.7 | 1.3 | 505.6 | 2,955.7 | 1,084.4 | 4,040.1 |
| 2008 | 33.3 | 797.9 | 423.1 | 122.8 | 30.7 | 710.2 | 124.5 | 100.8 | 1,512.1 | 0.7 | 77.6 | 4.9 | 0.8 | 1.6 | 491.5 | 2,920.4 | 1,052.0 | 3,972.4 |
| 2009 | 24.1 | 791.0 | 379.0 | 95.0 | 29.7 | 711.2 | 135.4 | 88.1 | 1,438.4 | 1.2 | 74.8 | 2.8 | 1.0 | 1.8 | 477.8 | 2,813.0 | 1,005.4 | 3,818.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 1,158 | 225 | 44,927 | 4,174 | 1,952 | 51,054 | 1,295 | – – | – – | 12,496 | – – | – – | – – |
| 1965 | 735 | 288 | 57,623 | 4,161 | 2,065 | 63,849 | 1,070 | – – | – – | 17,027 | – – | – – | – – |
| 1970 | 373 | 347 | 60,128 | 5,581 | 2,550 | 68,259 | 1,096 | – – | – – | 25,492 | – – | – – | – – |
| 1975 | 128 | 327 | 55,966 | 3,746 | 2,820 | 62,533 | 1,103 | – – | – – | 28,710 | – – | – – | – – |
| 1980 | 75 | 334 | 37,690 | 1,723 | 2,301 | 41,714 | 3,960 | – – | – – | 30,583 | – – | – – | – – |
| 1985 | 95 | 320 | 34,608 | 3,219 | 2,958 | 40,784 | 3,655 | – – | – – | 32,757 | – – | – – | – – |
| 1990 | 55 | 338 | 31,520 | 1,765 | 3,739 | 37,023 | 1,902 | – – | – – | 38,574 | – – | – – | – – |
| 1995 | 29 | 375 | 28,624 | 1,240 | 4,139 | 34,004 | 2,618 | – – | – – | 39,887 | – – | – – | – – |
| 1996 | 34 | 403 | 30,240 | 1,450 | 4,525 | 36,214 | 2,719 | – – | – – | 40,285 | – – | – – | – – |
| 1997 | 28 | 376 | 29,367 | 1,744 | 4,013 | 35,124 | 4,202 | – – | – – | 40,059 | – – | – – | – – |
| 1998 | 16 | 340 | 26,637 | 1,866 | 3,962 | 32,466 | 3,734 | – – | – – | 40,563 | – – | – – | – – |
| 1999 | 22 | 371 | 28,347 | 2,327 | 4,299 | 34,973 | 3,931 | – – | – – | 42,919 | – – | – – | – – |
| 2000 | 11 | 400 | 35,229 | 2,344 | 5,693 | 43,266 | 4,225 | – – | – – | 43,018 | – – | – – | – – |
| 2001 | 13 | 376 | 36,502 | 2,390 | 4,306 | 43,198 | 2,755 | – – | – – | 44,236 | – – | – – | – – |
| 2002 | 5 | 370 | 32,893 | 1,642 | 4,987 | 39,522 | 2,796 | – – | – – | 46,457 | – – | – – | – – |
| 2003 | 11 | 410 | 33,847 | 1,639 | 4,933 | 40,419 | 2,943 | – – | – – | 47,116 | – – | – – | – – |
| 2004 | 16 | 393 | 34,262 | 2,065 | 5,119 | 41,447 | 3,017 | – – | – – | 47,379 | – – | – – | – – |
| 2005 | 13 | 406 | 35,054 | 2,203 | 4,661 | 41,917 | 2,518 | – – | – – | 50,533 | – – | – – | – – |
| 2006 | 13 | 356 | 26,797 | 1,803 | 4,155 | 32,755 | 2,292 | – – | – – | 48,427 | – – | – – | – – |
| 2007 | 13 | 400 | 30,101 | 1,318 | 4,771 | 36,190 | 2,527 | – – | – – | 50,241 | – – | – – | – – |
| 2008 | 7 | 394 | R 26,999 | 594 | 5,885 | R 33,479 | 2,645 | – – | – – | 49,034 | – – | – – | – – |
| 2009 | 2 | 405 | 21,285 | 971 | 5,940 | 28,196 | 2,527 | – – | – – | 48,246 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 28.6 | 232.5 | 261.7 | 23.7 | 7.8 | 293.2 | 25.9 | NA | NA | 42.6 | 622.8 | 105.4 | R 728.2 |
| 1965 | 17.9 | 295.0 | 335.7 | 23.6 | 8.3 | 367.5 | 21.4 | NA | NA | 58.1 | 760.0 | 138.7 | 898.7 |
| 1970 | 8.8 | 353.8 | 350.2 | 31.6 | 9.6 | 391.5 | 21.9 | NA | NA | 87.0 | 863.0 | R 210.4 | R 1,073.4 |
| 1975 | 2.9 | 332.2 | 326.0 | 21.2 | 10.5 | 357.7 | 22.1 | NA | NA | 98.0 | 812.8 | R 235.0 | R 1,047.8 |
| 1980 | 1.8 | 341.5 | 219.5 | 9.8 | 8.5 | 237.8 | 79.2 | NA | NA | 104.3 | 763.1 | R 250.7 | R 1,013.7 |
| 1985 | 2.3 | 328.8 | 201.6 | 18.3 | 10.7 | 230.5 | 73.1 | NA | NA | 111.8 | 745.7 | R 256.0 | R 1,001.6 |
| 1990 | 1.4 | 347.9 | 183.6 | 10.0 | 13.6 | 207.2 | 38.0 | (s) | 0.3 | 131.6 | 726.2 | R 302.0 | R 1,028.2 |
| 1995 | 0.7 | 386.7 | 166.7 | 7.0 | 15.0 | 188.8 | 52.4 | 0.1 | 0.4 | 136.1 | 764.6 | R 307.2 | R 1,071.8 |
| 1996 | 0.8 | 414.1 | 176.1 | 8.2 | 16.3 | 200.7 | 54.4 | 0.1 | 0.5 | 137.5 | 807.7 | R 310.6 | R 1,118.3 |
| 1997 | 0.7 | 385.8 | 171.1 | 9.9 | 14.5 | 195.5 | 84.0 | 0.1 | 0.5 | 136.7 | 803.0 | R 307.7 | R 1,110.7 |
| 1998 | 0.4 | 349.5 | 155.2 | 10.6 | 14.3 | 180.1 | 74.7 | 0.1 | R 0.5 | 138.4 | 743.5 | R 311.9 | R 1,055.4 |
| 1999 | 0.6 | 381.3 | 165.1 | 13.2 | 15.5 | 193.9 | 78.6 | 0.1 | 0.6 | 146.4 | 801.2 | R 332.9 | R 1,134.1 |
| 2000 | 0.3 | 413.1 | 205.2 | 13.3 | 20.5 | 239.0 | 84.5 | 0.1 | R 0.5 | 146.8 | 884.1 | R 332.0 | R 1,216.0 |
| 2001 | 0.3 | 388.8 | 212.6 | 13.6 | 15.6 | 241.7 | 55.1 | 0.1 | R 0.5 | 150.9 | R 837.1 | R 334.4 | R 1,171.5 |
| 2002 | 0.1 | 378.8 | 191.6 | 9.3 | 18.0 | 218.9 | 55.9 | 0.1 | 0.6 | 158.5 | 813.0 | R 351.3 | R 1,164.2 |
| 2003 | 0.3 | 421.0 | 197.2 | 9.3 | 17.9 | 224.4 | 58.9 | 0.1 | 0.6 | 160.8 | 866.0 | R 352.7 | R 1,218.6 |
| 2004 | 0.4 | 403.5 | 199.6 | 11.7 | 18.5 | 229.8 | 60.3 | 0.1 | 0.7 | 161.7 | 856.5 | R 355.6 | R 1,212.0 |
| 2005 | 0.3 | 416.9 | 204.2 | 12.5 | 16.9 | 233.6 | 50.4 | 0.1 | 0.9 | 172.4 | R 874.5 | R 374.9 | R 1,249.5 |
| 2006 | 0.3 | 364.3 | 156.1 | 10.2 | 15.0 | 181.3 | 45.8 | 0.1 | R 1.1 | 165.2 | R 758.2 | R 355.2 | R 1,113.4 |
| 2007 | 0.3 | 410.5 | 175.3 | 7.5 | 17.1 | 199.9 | 50.5 | 0.2 | R 1.3 | 171.4 | R 834.2 | R 367.7 | R 1,201.9 |
| 2008 | 0.2 | 402.7 | R 157.3 | 3.4 | 21.2 | R 181.8 | 52.9 | 0.2 | R 1.6 | 167.3 | R 806.7 | R 358.1 | R 1,164.8 |
| 2009 | 0.1 | 413.6 | 124.0 | 5.5 | 21.1 | 150.6 | 50.5 | 0.2 | 1.8 | 164.6 | 781.6 | 346.4 | 1,128.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 805 | 63 | 15,225 | 468 | 554 | 636 | 28,208 | 45,091 | NA | – – | – – | 17,546 | – – | – – | – – |
| 1965 | 555 | 87 | 19,527 | 467 | 586 | 828 | 37,514 | 58,921 | NA | – – | – – | 23,528 | – – | – – | – – |
| 1970 | 293 | 139 | 20,376 | 626 | 723 | 1,052 | 43,318 | 66,096 | NA | – – | – – | 32,790 | – – | – – | – – |
| 1975 | 300 | 128 | 18,965 | 420 | 800 | 1,162 | 28,482 | 49,830 | NA | – – | – – | 37,827 | – – | – – | – – |
| 1980 | 283 | 162 | 14,492 | 169 | 653 | 1,035 | 25,431 | 41,779 | NA | – – | – – | 40,471 | – – | – – | – – |
| 1985 | 339 | 165 | 13,215 | 862 | 839 | 1,911 | 16,677 | 33,505 | NA | – – | – – | 48,816 | – – | – – | – – |
| 1990 | 218 | 195 | 15,415 | 269 | 1,061 | 1,201 | 17,400 | 35,345 | 7 | – – | – – | 56,025 | – – | – – | – – |
| 1995 | 191 | 231 | 15,711 | 714 | 1,174 | 208 | 13,555 | 31,362 | 4 | – – | – – | 62,509 | – – | – – | – – |
| 1996 | 249 | 253 | 15,531 | 751 | 1,284 | 200 | 12,791 | 30,557 | 7 | – – | – – | 62,663 | – – | – – | – – |
| 1997 | 226 | 321 | 14,337 | 801 | 1,138 | 195 | 10,105 | 26,576 | 5 | – – | – – | 64,033 | – – | – – | – – |
| 1998 | 131 | 335 | 11,914 | 981 | 1,124 | 212 | 6,765 | 20,997 | 4 | – – | – – | 65,834 | – – | – – | – – |
| 1999 | 158 | 360 | 13,946 | 682 | 1,220 | 200 | 7,439 | 23,487 | 3 | – – | – – | 67,969 | – – | – – | – – |
| 2000 | 90 | 366 | 15,128 | 948 | 1,615 | 202 | 9,429 | 27,322 | 4 | – – | – – | 70,417 | – – | – – | – – |
| 2001 | 102 | 347 | 16,865 | 874 | 1,221 | 218 | 7,193 | 26,372 | 0 | – – | – – | 71,850 | – – | – – | – – |
| 2002 | 40 | 362 | 15,032 | 493 | 1,415 | 855 | 8,678 | 26,473 | (s) | – – | – – | 73,198 | – – | – – | – – |
| 2003 | 73 | 339 | 19,198 | 665 | 1,408 | 293 | 10,784 | 32,348 | (s) | – – | – – | 72,495 | – – | – – | – – |
| 2004 | 145 | 359 | 19,907 | 745 | 1,893 | 197 | 11,441 | 34,183 | 5 | – – | – – | 74,378 | – – | – – | – – |
| 2005 | 147 | 276 | 18,086 | 759 | 1,108 | 235 | 10,066 | 30,254 | 3 | – – | – – | 76,822 | – – | – – | – – |
| 2006 | 127 | 260 | 15,602 | 354 | 1,145 | 284 | 7,941 | 25,326 | 5 | – – | – – | 76,029 | – – | – – | – – |
| 2007 | 119 | 285 | 14,606 | 244 | 1,276 | 263 | 8,723 | 25,112 | 4 | – – | – – | 74,326 | – – | – – | – – |
| 2008 | 61 | 290 | R 13,059 | 104 | 1,641 | 209 | 7,874 | R 22,886 | (s) | – – | – – | 77,416 | – – | – – | – – |
| 2009 | 20 | 281 | 12,428 | 171 | 1,724 | 212 | 8,872 | 23,407 | 4 | – – | – – | 75,347 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 19.9 | 65.2 | 88.7 | 2.7 | 2.2 | 3.3 | 177.3 | 274.2 | NA | 0.5 | NA | 59.9 | 419.7 | 148.1 | 567.8 |
| 1965 | 13.5 | 88.8 | 113.7 | 2.6 | 2.4 | 4.3 | 235.9 | 358.9 | NA | 0.4 | NA | 80.3 | 541.9 | R 191.6 | 733.6 |
| 1970 | 6.9 | 142.4 | 118.7 | 3.5 | 2.7 | 5.5 | 272.3 | 402.8 | NA | 0.4 | NA | 111.9 | 664.4 | R 270.7 | R 935.1 |
| 1975 | 6.8 | 130.2 | 110.5 | 2.4 | 3.0 | 6.1 | 179.1 | 301.0 | NA | 0.4 | NA | 129.1 | 567.4 | R 309.6 | R 877.0 |
| 1980 | 6.6 | 165.5 | 84.4 | 1.0 | 2.4 | 5.4 | 159.9 | 253.1 | NA | 2.0 | NA | 138.1 | 564.5 | R 331.7 | R 896.2 |
| 1985 | 8.1 | 170.0 | 77.0 | 4.9 | 3.0 | 10.0 | 104.8 | 199.8 | NA | 1.7 | NA | 166.6 | 545.7 | R 381.5 | R 927.2 |
| 1990 | 5.4 | 200.7 | 89.8 | 1.5 | 3.8 | 6.3 | 109.4 | 210.9 | 0.1 | 4.4 | (s) | 191.2 | 612.5 | R 438.6 | R 1,051.2 |
| 1995 | 4.8 | 238.5 | 91.5 | 4.1 | 4.3 | 1.1 | 85.2 | 186.1 | (s) | 10.6 | 0.1 | 213.3 | 653.2 | R 481.4 | R 1,134.7 |
| 1996 | 6.2 | 259.9 | 90.5 | 4.3 | 4.6 | 1.0 | 80.4 | 180.8 | 0.1 | 11.0 | 0.2 | 213.8 | 671.7 | R 483.2 | R 1,154.9 |
| 1997 | 5.6 | 329.5 | 83.5 | 4.5 | 4.1 | 1.0 | 63.5 | 156.7 | 0.1 | 17.7 | 0.2 | 218.5 | 728.1 | R 491.8 | R 1,219.9 |
| 1998 | 3.3 | 345.3 | 69.4 | 5.6 | 4.1 | 1.1 | 42.5 | 122.7 | (s) | 15.9 | 0.2 | 224.6 | 711.8 | R 506.2 | R 1,218.0 |
| 1999 | 4.0 | 370.4 | 81.2 | 3.9 | 4.4 | 1.0 | 46.8 | 137.3 | (s) | 16.8 | 0.2 | 231.9 | 760.6 | R 527.2 | R 1,287.8 |
| 2000 | 2.3 | 377.7 | 88.1 | 5.4 | 5.8 | 1.1 | 59.3 | 159.7 | (s) | 18.1 | 0.2 | 240.3 | 798.0 | R 543.4 | R 1,341.4 |
| 2001 | 2.5 | 358.9 | 98.2 | 5.0 | 4.4 | 1.1 | 45.2 | 154.0 | 0.0 | 12.2 | 0.3 | 245.2 | 772.7 | R 543.2 | R 1,315.8 |
| 2002 | 1.0 | 371.3 | 87.6 | 2.8 | 5.1 | 4.5 | 54.6 | 154.5 | (s) | 12.4 | 0.3 | 249.8 | 789.2 | R 553.5 | R 1,342.7 |
| 2003 | 1.8 | 348.8 | 111.8 | 3.8 | 5.1 | 1.5 | 67.8 | 190.0 | (s) | 12.8 | 0.4 | 247.4 | 801.2 | R 542.6 | R 1,343.8 |
| 2004 | 3.6 | 368.9 | 116.0 | 4.2 | 6.9 | 1.0 | 71.9 | 200.0 | (s) | 12.6 | 0.4 | 253.8 | 839.4 | R 558.2 | R 1,397.6 |
| 2005 | 3.7 | 283.0 | 105.4 | 4.3 | 4.0 | 1.2 | 63.3 | 178.2 | (s) | 10.6 | 0.5 | 262.1 | 738.1 | R 570.0 | R 1,308.1 |
| 2006 | 3.2 | 265.7 | 90.9 | 2.0 | 4.1 | 1.5 | 49.9 | 148.4 | 0.1 | 10.1 | 0.5 | 259.4 | 687.3 | R 557.7 | R 1,245.0 |
| 2007 | 3.0 | 292.3 | 85.1 | 1.4 | 4.6 | 1.4 | 54.8 | 147.3 | (s) | 10.5 | 0.6 | 253.6 | 707.2 | R 544.0 | R 1,251.2 |
| 2008 | 1.5 | 296.4 | R 76.1 | 0.6 | 5.9 | 1.1 | 49.5 | R 133.2 | (s) | 10.9 | 0.6 | 264.1 | R 706.8 | R 565.4 | R 1,272.2 |
| 2009 | 0.5 | 286.8 | 72.4 | 1.0 | 6.1 | 1.1 | 55.8 | 136.4 | (s) | 10.7 | 0.7 | 257.1 | 692.2 | 541.0 | 1,233.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 11,947 | 72 | 12,930 | 325 | 3,369 | 22,444 | 9,888 | 48,956 | 341 | – – | – – | – – | 14,428 | – – | – – | – – |
| 1965 | 13,811 | 93 | 16,909 | 485 | 3,708 | 29,213 | 14,852 | 65,167 | 275 | – – | – – | – – | 23,101 | – – | – – | – – |
| 1970 | 12,125 | 116 | 16,810 | 1,125 | 3,281 | 33,696 | 15,763 | 70,676 | 269 | – – | – – | – – | 27,152 | – – | – – | – – |
| 1975 | 6,125 | 105 | 15,761 | 1,442 | 1,351 | 23,039 | 17,096 | 58,689 | 188 | – – | – – | – – | 27,247 | – – | – – | – – |
| 1980 | 5,699 | 114 | 9,339 | 2,598 | 1,535 | 14,815 | 18,254 | 46,541 | 233 | – – | – – | – – | 32,110 | – – | – – | – – |
| 1985 | 3,723 | 101 | 5,378 | 980 | 1,224 | 5,553 | 16,243 | 29,378 | 233 | – – | – – | – – | 28,659 | – – | – – | – – |
| 1990 | 3,199 | 102 | 4,073 | 657 | 1,145 | 4,684 | 16,667 | 27,227 | 129 | – – | – – | – – | 31,929 | – – | – – | – – |
| 1995 | 2,791 | 215 | 3,071 | 881 | 1,126 | 1,990 | 17,042 | 24,109 | 94 | – – | – – | – – | 25,317 | – – | – – | – – |
| 1996 | 2,799 | 216 | 3,053 | 1,142 | 1,114 | 2,456 | 28,850 | 36,615 | 115 | – – | – – | – – | 25,947 | – – | – – | – – |
| 1997 | 2,804 | 207 | 2,922 | 1,445 | 1,173 | 1,965 | 29,924 | 37,429 | 115 | – – | – – | – – | 25,285 | – – | – – | – – |
| 1998 | 2,878 | 173 | 3,016 | 1,687 | 1,030 | 1,868 | 31,729 | 39,330 | 109 | – – | – – | – – | 25,218 | – – | – – | – – |
| 1999 | 2,742 | 102 | 3,441 | 1,772 | 899 | 1,623 | 31,823 | 39,558 | 101 | – – | – – | – – | 25,835 | – – | – – | – – |
| 2000 | 2,747 | 97 | 3,285 | 2,308 | 931 | 2,005 | 30,363 | 38,893 | 87 | – – | – – | – – | 25,838 | – – | – – | – – |
| 2001 | 2,411 | 85 | 2,981 | 1,559 | 1,741 | 1,544 | 17,798 | 25,623 | 70 | – – | – – | – – | 25,450 | – – | – – | – – |
| 2002 | 1,708 | 93 | 2,889 | 1,145 | 1,984 | 1,362 | 16,693 | 24,073 | 67 | – – | – – | – – | 25,148 | – – | – – | – – |
| 2003 | 1,583 | 84 | 2,960 | 1,379 | 2,112 | 1,584 | 17,056 | 25,090 | 80 | – – | – – | – – | 21,745 | – – | – – | – – |
| 2004 | 1,472 | 79 | 3,481 | 1,561 | 2,145 | 1,483 | 20,473 | 29,142 | 78 | – – | – – | – – | 20,675 | – – | – – | – – |
| 2005 | 1,510 | 81 | 3,371 | 2,417 | 2,214 | 1,337 | 20,236 | 29,574 | 59 | – – | – – | – – | 19,947 | – – | – – | – – |
| 2006 | 1,422 | 78 | 3,463 | 1,754 | 2,426 | 1,301 | R 16,852 | R 25,796 | 87 | – – | – – | – – | 14,976 | – – | – – | – – |
| 2007 | 1,313 | 78 | 3,625 | 1,243 | 2,164 | 1,461 | R 15,124 | R 23,617 | 58 | – – | – – | – – | 20,213 | – – | – – | – – |
| 2008 | 1,205 | 81 | R 3,389 | R 753 | 1,691 | 1,282 | R 14,788 | R 21,902 | 69 | – – | – – | – – | 14,685 | – – | – – | – – |
| 2009 | 902 | 73 | 3,007 | 583 | 1,639 | 502 | 12,492 | 18,223 | 121 | – – | – – | – – | 13,417 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 311.9 | 74.2 | 75.3 | 1.3 | 17.7 | 141.1 | 62.3 | 297.7 | 3.7 | 32.9 | NA | NA | 49.2 | 769.6 | R 121.7 | 891.4 |
| 1965 | 360.1 | 95.3 | 98.5 | 1.9 | 19.5 | 183.7 | 90.8 | 394.4 | 2.9 | 36.3 | NA | NA | 78.8 | 967.8 | 188.2 | R 1,155.9 |
| 1970 | 308.4 | 118.0 | 97.9 | 4.3 | 17.2 | 211.8 | 94.8 | 426.0 | 2.8 | 40.3 | NA | NA | 92.6 | 988.2 | R 224.1 | R 1,212.3 |
| 1975 | 155.5 | 106.2 | 91.8 | 5.4 | 7.1 | 144.8 | 102.8 | 351.9 | 2.0 | 37.7 | NA | NA | 93.0 | 746.3 | R 223.0 | R 969.3 |
| 1980 | 146.5 | 116.4 | 54.4 | 9.5 | 8.1 | 93.1 | 107.8 | 272.9 | 2.4 | 48.4 | NA | NA | 109.6 | 695.7 | R 263.2 | R 958.9 |
| 1985 | 94.8 | 103.6 | 31.3 | 3.5 | 6.4 | 34.9 | 98.5 | 174.7 | 2.4 | 56.7 | 0.0 | NA | 97.8 | 529.8 | R 224.0 | R 753.7 |
| 1990 | 82.6 | 105.1 | 23.7 | 2.4 | 6.0 | 29.5 | 99.5 | 161.1 | 1.3 | 26.6 | 0.0 | 0.0 | 108.9 | 485.7 | R 250.0 | R 735.7 |
| 1995 | 72.4 | 221.2 | 17.9 | 3.2 | 5.9 | 12.5 | 102.4 | 141.9 | 1.0 | 20.9 | 0.0 | 0.0 | 86.4 | 543.5 | R 195.0 | R 738.5 |
| 1996 | 72.5 | 221.4 | 17.8 | 4.1 | 5.8 | 15.4 | 164.5 | 207.7 | 1.2 | 32.6 | 0.0 | 0.0 | 88.5 | 623.6 | R 200.1 | R 823.7 |
| 1997 | 72.7 | 212.1 | 17.0 | 5.2 | 6.1 | 12.4 | 170.9 | 211.6 | 1.2 | 34.5 | 0.0 | 0.0 | 86.3 | 618.3 | R 194.2 | R 812.5 |
| 1998 | 75.1 | 177.8 | 17.6 | 6.1 | 5.4 | 11.7 | 182.1 | 222.9 | 1.1 | 28.9 | 0.0 | 0.0 | 86.0 | 591.8 | R 193.9 | R 785.7 |
| 1999 | 71.6 | 105.2 | 20.0 | 6.4 | 4.7 | 10.2 | 182.0 | 223.3 | 1.0 | 30.4 | 0.0 | 0.0 | 88.2 | 519.7 | R 200.4 | R 720.1 |
| 2000 | 73.5 | 100.2 | 19.1 | 8.3 | 4.8 | 12.6 | 172.6 | 217.5 | 0.9 | 32.1 | 0.0 | 0.0 | 88.2 | 512.4 | R 199.4 | R 711.7 |
| 2001 | 63.1 | 87.9 | 17.4 | 5.6 | 9.1 | 9.7 | 107.0 | 148.8 | 0.7 | 17.7 | 0.0 | 0.0 | 86.8 | 405.0 | R 192.4 | R 597.4 |
| 2002 | 45.2 | 95.4 | 16.8 | 4.1 | 10.3 | 8.6 | 99.8 | 139.6 | 0.7 | 14.0 | 0.0 | 0.0 | 85.8 | 380.7 | R 190.1 | R 570.9 |
| 2003 | 41.9 | 85.8 | 17.2 | 5.0 | 11.0 | 10.0 | 101.9 | 145.1 | 0.8 | 13.9 | 0.0 | 0.0 | 74.2 | 361.7 | R 162.8 | R 524.5 |
| 2004 | 38.9 | 81.1 | 20.3 | 5.6 | 11.2 | 9.3 | 123.7 | 170.1 | 0.8 | 17.2 | 0.0 | 0.0 | 70.5 | 378.6 | R 155.2 | R 533.8 |
| 2005 | 39.9 | 83.6 | 19.6 | 8.8 | 11.6 | 8.4 | 122.0 | 170.3 | 0.6 | 16.9 | 0.0 | 0.0 | 68.1 | 379.4 | R 148.0 | R 527.4 |
| 2006 | 37.1 | 80.2 | 20.2 | 6.3 | 12.7 | 8.2 | R 103.4 | R 150.7 | 0.9 | R 16.6 | 0.0 | 0.0 | 51.1 | R 336.6 | R 109.9 | R 446.4 |
| 2007 | 34.6 | 79.9 | 21.1 | 4.5 | 11.3 | 9.2 | R 92.6 | R 138.6 | 0.6 | R 16.0 | 0.2 | 0.0 | 69.0 | R 338.9 | R 147.9 | R 486.9 |
| 2008 | 31.6 | 82.4 | R 19.7 | 2.7 | 8.8 | 8.1 | R 90.7 | R 130.1 | 0.7 | R 13.7 | 4.9 | 0.0 | 50.1 | R 313.6 | R 107.2 | R 420.8 |
| 2009 | 23.6 | 74.8 | 17.5 | 2.1 | 8.6 | 3.2 | 76.7 | 108.0 | 1.2 | 13.6 | 2.8 | 0.0 | 45.8 | 269.7 | 96.3 | 366.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 205 | 2 | 13,729 | 8,758 | 9,411 | 18 | 1,368 | 91,701 | 17,060 | 142,046 | 2,045 | – – | – – | – – |
| 1965 | 45 | 3 | 2,427 | 8,800 | 23,620 | 38 | 1,122 | 104,690 | 16,158 | 156,856 | 2,144 | – – | – – | – – |
| 1970 | 19 | 3 | 249 | 10,653 | 38,338 | 107 | 1,196 | 126,403 | 18,450 | 195,396 | 2,366 | – – | – – | – – |
| 1975 | 1 | 3 | 274 | 10,488 | 37,252 | 125 | 950 | 130,948 | 8,862 | 188,899 | 2,057 | – – | – – | – – |
| 1980 | 0 | 4 | 320 | 10,309 | 35,916 | 79 | 1,064 | 124,853 | 11,344 | 183,885 | 2,146 | – – | – – | – – |
| 1985 | 0 | 4 | 221 | 13,744 | 3,856 | 147 | 968 | 133,195 | 884 | 153,015 | 2,442 | – – | – – | – – |
| 1990 | 0 | 5 | 78 | 21,700 | 5,447 | 150 | 1,089 | 136,834 | 1,358 | 166,656 | 2,795 | – – | – – | – – |
| 1995 | 0 | 8 | 76 | 21,316 | 7,697 | 138 | 1,039 | 131,294 | 2,318 | 163,878 | 2,757 | – – | – – | – – |
| 1996 | 0 | 8 | 66 | 21,822 | 11,532 | 123 | 1,009 | 129,665 | 6,441 | 170,658 | 2,632 | – – | – – | – – |
| 1997 | 0 | 8 | 68 | 22,839 | 12,138 | 90 | 1,066 | 129,555 | 5,109 | 170,865 | 2,567 | – – | – – | – – |
| 1998 | 0 | 8 | 238 | 21,558 | 14,800 | 533 | 1,116 | 130,227 | 4,024 | 172,495 | 2,580 | – – | – – | – – |
| 1999 | 0 | 9 | 84 | 24,028 | 9,122 | 25 | 1,127 | 132,521 | 6,237 | 173,145 | 2,654 | – – | – – | – – |
| 2000 | 0 | 8 | 75 | 23,044 | 9,516 | 234 | 1,110 | 131,698 | 8,126 | 173,804 | 2,753 | – – | – – | – – |
| 2001 | 0 | 6 | 249 | 23,520 | 14,655 | 25 | 1,017 | 131,764 | 3,207 | 174,437 | 2,646 | – – | – – | – – |
| 2002 | 0 | 9 | 175 | 23,641 | 15,428 | 66 | 1,005 | 133,825 | 3,826 | 177,966 | 2,637 | – – | – – | – – |
| 2003 | 0 | 8 | 18 | 30,504 | 17,268 | 51 | 929 | 135,605 | 4,583 | 188,959 | 2,689 | – – | – – | – – |
| 2004 | 0 | 9 | 226 | 35,910 | 19,300 | 66 | 942 | 135,049 | 5,823 | 197,315 | 2,650 | – – | – – | – – |
| 2005 | 0 | 13 | 275 | 28,545 | 20,016 | 75 | 937 | 134,906 | 5,684 | 190,437 | 2,846 | – – | – – | – – |
| 2006 | 0 | 14 | 25 | 29,388 | 20,341 | 99 | 913 | 137,309 | 6,530 | 194,606 | 2,806 | – – | – – | – – |
| 2007 | 0 | 16 | 185 | 29,146 | 19,977 | 56 | 942 | 136,714 | 7,063 | 194,083 | 3,397 | – – | – – | – – |
| 2008 | 0 | 16 | 154 | R 29,180 | 21,658 | R 257 | 875 | 134,206 | 10,654 | R 196,984 | 2,918 | – – | – – | – – |
| 2009 | 0 | 15 | 30 | 28,348 | 16,760 | 97 | 787 | 134,450 | 12,156 | 192,628 | 3,025 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 5.3 | 2.4 | 69.3 | 51.0 | 52.6 | 0.1 | 8.3 | 481.7 | 107.3 | 770.3 | 7.0 | 784.9 | 17.3 | 802.2 |
| 1965 | 1.2 | 3.4 | 12.3 | 51.3 | 133.2 | 0.2 | 6.8 | 549.9 | 101.6 | 855.2 | 7.3 | 867.1 | 17.5 | 884.6 |
| 1970 | 0.5 | 3.2 | 1.3 | 62.1 | 216.7 | 0.4 | 7.3 | 664.0 | 116.0 | 1,067.7 | 8.1 | 1,079.5 | 19.5 | 1,099.0 |
| 1975 | (s) | 3.0 | 1.4 | 61.1 | 210.7 | 0.5 | 5.8 | 687.9 | 55.7 | 1,023.0 | 7.0 | 1,033.0 | R 16.8 | 1,049.8 |
| 1980 | 0.0 | 3.6 | 1.6 | 60.1 | 203.2 | 0.3 | 6.5 | 655.9 | 71.3 | 998.8 | 7.3 | 1,009.7 | 17.6 | 1,027.3 |
| 1985 | 0.0 | 3.6 | 1.1 | 80.1 | 21.4 | 0.5 | 5.9 | 699.7 | 5.6 | 814.2 | 8.3 | 826.1 | R 19.1 | R 845.2 |
| 1990 | 0.0 | 4.9 | 0.4 | 126.4 | 30.4 | 0.5 | 6.6 | 718.8 | 8.5 | 891.7 | 9.5 | 906.1 | R 21.9 | R 928.0 |
| 1995 | 0.0 | 8.6 | 0.4 | 124.2 | 43.6 | 0.5 | 6.3 | 684.7 | 14.6 | 874.3 | 9.4 | 892.3 | R 21.2 | R 913.5 |
| 1996 | 0.0 | 8.4 | 0.3 | 127.1 | 65.4 | 0.4 | 6.1 | 676.3 | 40.5 | 916.2 | 9.0 | 933.6 | R 20.3 | R 953.9 |
| 1997 | 0.0 | 7.7 | 0.3 | 133.0 | 68.8 | 0.3 | 6.5 | 675.4 | 32.1 | 916.5 | 8.8 | 933.0 | R 19.7 | R 952.7 |
| 1998 | 0.0 | 8.2 | 1.2 | 125.6 | 83.9 | 1.9 | 6.8 | 678.7 | 25.3 | 923.4 | 8.8 | 940.4 | R 19.8 | R 960.2 |
| 1999 | 0.0 | 8.8 | 0.4 | 140.0 | 51.7 | 0.1 | 6.8 | 690.6 | 39.2 | 928.8 | 9.1 | 946.7 | R 20.6 | R 967.3 |
| 2000 | 0.0 | 8.5 | 0.4 | 134.2 | 54.0 | 0.8 | 6.7 | 686.1 | 51.1 | 933.4 | 9.4 | 951.3 | R 21.2 | R 972.5 |
| 2001 | 0.0 | 6.2 | 1.3 | 137.0 | 83.1 | 0.1 | 6.2 | 686.5 | 20.2 | 934.3 | 9.0 | 949.5 | R 20.0 | R 969.5 |
| 2002 | 0.0 | 9.2 | 0.9 | 137.7 | 87.5 | 0.2 | 6.1 | 697.0 | 24.1 | 953.4 | 9.0 | 971.6 | R 19.9 | R 991.5 |
| 2003 | 0.0 | 8.6 | 0.1 | 177.7 | 97.9 | 0.2 | 5.6 | 706.1 | 28.8 | 1,016.4 | 9.2 | 1,034.2 | R 20.1 | R 1,054.3 |
| 2004 | 0.0 | 8.9 | 1.1 | 209.2 | 109.4 | 0.2 | 5.7 | 704.3 | 36.6 | 1,066.6 | 9.0 | 1,084.6 | R 19.9 | R 1,104.4 |
| 2005 | 0.0 | 13.1 | 1.4 | 166.3 | 113.5 | 0.3 | 5.7 | 703.9 | 35.7 | 1,026.8 | 9.7 | 1,049.6 | R 21.1 | R 1,070.7 |
| 2006 | 0.0 | 14.5 | 0.1 | 171.2 | 115.3 | 0.4 | 5.5 | 716.5 | 41.1 | 1,050.1 | 9.6 | 1,074.2 | R 20.6 | R 1,094.8 |
| 2007 | 0.0 | 16.0 | 0.9 | 169.8 | 113.3 | 0.2 | 5.7 | 713.5 | 44.4 | 1,047.8 | 11.6 | 1,075.4 | R 24.9 | R 1,100.2 |
| 2008 | 0.0 | R 16.3 | 0.8 | R 170.0 | 122.8 | 0.9 | 5.3 | 700.3 | 67.0 | R 1,067.1 | 10.0 | R 1,093.3 | R 21.3 | R 1,114.6 |
| 2009 | 0.0 | 15.8 | 0.2 | 165.1 | 95.0 | 0.3 | 4.8 | 701.6 | 76.4 | 1,043.4 | 10.3 | 1,069.6 | 21.7 | 1,091.3 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, New York

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 12,302 | 58 | 9,851 | 540 | 0 | 10,391 | 0 | 11,746 | – – | 0 | NA | NA | 3,623 | – – |
| 1965 | 13,591 | 74 | 21,410 | 1,174 | 0 | 22,584 | 727 | 19,301 | – – | 0 | NA | NA | 495 | – – |
| 1970 | 11,125 | 106 | 56,787 | 3,139 | 0 | 59,927 | 4,273 | 24,781 | – – | 0 | NA | NA | 944 | – – |
| 1975 | 6,124 | 14 | 84,338 | 5,319 | 0 | 89,658 | 13,111 | 28,135 | – – | 0 | NA | NA | 1,632 | – – |
| 1980 | 6,446 | 124 | 63,898 | 749 | 0 | 64,647 | 19,276 | 26,241 | – – | 0 | NA | NA | 7,167 | – – |
| 1985 | 7,787 | 173 | 43,220 | 821 | 0 | 44,041 | 24,092 | 26,956 | – – | 0 | 0 | 0 | 17,287 | – – |
| 1990 | 10,125 | 229 | 53,800 | 1,095 | 0 | 54,895 | 23,623 | 28,052 | – – | 0 | 0 | 0 | 712 | – – |
| 1995 | 8,774 | 431 | 12,264 | 1,627 | 0 | 13,891 | 26,336 | 25,895 | – – | 0 | 0 | 0 | 8,899 | – – |
| 1996 | 8,992 | 320 | 14,940 | 1,268 | 23 | 16,231 | 35,226 | 28,830 | – – | 0 | 0 | 0 | 7,049 | – – |
| 1997 | 9,464 | 413 | 12,813 | 1,568 | 0 | 14,381 | 29,570 | 30,498 | – – | 0 | 0 | 0 | 1,550 | – – |
| 1998 | 9,928 | 377 | 23,075 | 1,390 | 220 | 24,685 | 31,314 | 29,203 | – – | 0 | 0 | 0 | 826 | – – |
| 1999 | 9,265 | 433 | 20,053 | 2,207 | 644 | 22,905 | 37,019 | 24,648 | – – | 0 | 0 | 0 | 977 | – – |
| 2000 | 9,763 | 373 | 22,789 | 2,352 | 267 | 25,409 | 31,508 | 24,819 | – – | 0 | 0 | 10 | 8,664 | – – |
| 2001 | 9,258 | 357 | 25,146 | 3,010 | 38 | 28,194 | 40,395 | 23,014 | – – | 0 | 0 | 21 | 7,762 | – – |
| 2002 | 9,154 | 366 | 17,244 | 2,229 | 229 | 19,702 | 39,617 | 24,981 | – – | 0 | 0 | 82 | 10,964 | – – |
| 2003 | 9,646 | 261 | 29,627 | 2,410 | 194 | 32,230 | 40,679 | 24,189 | – – | 0 | 0 | 41 | 5,489 | – – |
| 2004 | 9,702 | 259 | 32,722 | 1,740 | 514 | 34,977 | 40,640 | 23,907 | – – | 0 | 0 | 116 | 5,194 | – – |
| 2005 | 9,069 | 304 | 35,064 | 1,574 | 2,256 | 38,894 | 42,443 | 25,720 | – – | 0 | 0 | 103 | 7,313 | – – |
| 2006 | 9,417 | 388 | 9,754 | 622 | 860 | 11,236 | 42,224 | 27,252 | – – | 0 | 0 | 655 | 9,986 | – – |
| 2007 | 9,613 | 408 | 11,728 | 1,372 | 496 | 13,596 | 42,453 | 25,191 | – – | 0 | 0 | 833 | 11,288 | – – |
| 2008 | 8,885 | 399 | 4,935 | 809 | 363 | 6,106 | 43,209 | 26,655 | – – | 0 | 0 | 1,251 | 13,316 | – – |
| 2009 | 6,108 | 368 | 3,261 | 736 | 299 | 4,296 | 43,485 | 27,490 | – – | 0 | 0 | 2,266 | 9,796 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 326.1 | 59.8 | 61.9 | 3.1 | 0.0 | 65.1 | 0.0 | 126.4 | 0.0 | 0.0 | NA | NA | 12.4 | 589.7 |
| 1965 | 362.6 | 76.1 | 134.6 | 6.8 | 0.0 | 141.4 | 8.6 | 201.8 | 0.0 | 0.0 | NA | NA | 1.7 | 792.2 |
| 1970 | 274.4 | 108.4 | 357.0 | 18.3 | 0.0 | 375.3 | 46.9 | 260.1 | 0.0 | 0.0 | NA | NA | 3.2 | 1,068.3 |
| 1975 | 147.3 | 14.0 | 530.2 | 30.8 | 0.0 | 561.0 | 144.4 | 292.8 | 0.0 | 0.0 | NA | NA | 5.6 | 1,165.0 |
| 1980 | 158.8 | 128.9 | 401.7 | 4.4 | 0.0 | 406.1 | 210.3 | 272.6 | 0.1 | 0.0 | NA | NA | 24.5 | 1,200.6 |
| 1985 | 196.2 | 178.7 | 271.7 | 4.8 | 0.0 | 276.5 | 255.9 | 281.6 | (s) | 0.0 | 0.0 | 0.0 | 59.0 | 1,247.5 |
| 1990 | 260.4 | 236.8 | 338.2 | 6.4 | 0.0 | 344.6 | 250.0 | 291.8 | 28.4 | 0.0 | 0.0 | 0.0 | 2.4 | 1,414.3 |
| 1995 | 227.4 | 440.4 | 77.1 | 9.5 | 0.0 | 86.6 | 276.7 | 267.0 | 38.7 | 0.0 | 0.0 | 0.0 | 30.4 | 1,366.6 |
| 1996 | 232.3 | 326.9 | 93.9 | 7.4 | 0.1 | 101.5 | 370.0 | 298.1 | 41.2 | 0.0 | 0.0 | 0.0 | 24.1 | 1,393.7 |
| 1997 | 246.2 | 422.9 | 80.6 | 9.1 | 0.0 | 89.7 | 310.3 | 311.5 | 41.4 | 0.0 | 0.0 | 0.0 | 5.3 | 1,426.9 |
| 1998 | 258.6 | 386.3 | 145.1 | 8.1 | 1.3 | 154.5 | 328.5 | 297.8 | 39.6 | 0.0 | 0.0 | 0.0 | 2.8 | 1,467.8 |
| 1999 | 241.8 | 443.0 | 126.1 | 12.9 | 3.9 | 142.8 | 386.8 | 252.0 | 41.4 | 0.0 | 0.0 | 0.0 | 3.3 | 1,511.0 |
| 2000 | 254.8 | 380.1 | 143.3 | 13.7 | 1.6 | 158.6 | 328.6 | 253.2 | 41.4 | 0.0 | 0.0 | 0.1 | 29.6 | 1,446.0 |
| 2001 | 241.1 | 364.1 | 158.1 | 17.5 | 0.2 | 175.9 | 421.8 | 237.8 | 26.1 | 0.0 | 0.0 | 0.2 | 26.5 | 1,493.2 |
| 2002 | 234.3 | 372.5 | 108.4 | 13.0 | 1.4 | 122.8 | 413.7 | 254.1 | 25.0 | 0.0 | 0.0 | 0.8 | 37.4 | 1,460.7 |
| 2003 | 242.1 | 267.1 | 186.3 | 14.0 | 1.2 | 201.5 | 423.9 | 247.7 | 24.7 | 0.0 | 0.0 | 0.4 | 18.7 | 1,426.1 |
| 2004 | 233.6 | 264.2 | 205.7 | 10.1 | 3.1 | 219.0 | 423.8 | 239.6 | 26.0 | 0.0 | 0.0 | 1.2 | 17.7 | 1,425.0 |
| 2005 | 213.0 | 310.6 | 220.4 | 9.2 | 13.6 | 243.2 | 442.9 | 257.2 | 27.3 | 0.0 | 0.0 | 1.0 | 25.0 | 1,520.2 |
| 2006 | 215.8 | 395.5 | 61.3 | 3.6 | 5.2 | 70.1 | 440.6 | 270.3 | 27.8 | 0.0 | 0.0 | 6.5 | 34.1 | 1,460.8 |
| 2007 | 220.6 | 416.9 | 73.7 | 8.0 | 3.0 | 84.7 | 445.1 | 249.0 | 27.5 | 0.0 | 0.0 | 8.2 | 38.5 | 1,490.5 |
| 2008 | 195.6 | 407.3 | 31.0 | 4.7 | 2.2 | 37.9 | 451.7 | 262.7 | 29.6 | 0.0 | 0.0 | 12.3 | 45.4 | 1,442.5 |
| 2009 | 131.8 | 375.1 | 20.5 | 4.3 | 1.8 | 26.6 | 454.8 | 268.3 | 31.5 | 0.0 | 0.0 | 22.1 | 33.4 | 1,343.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 8,947 | 45 | 13,445 | 3,401 | 2,635 | 35,875 | 4,603 | 16,310 | 76,268 | 0 | 4,998 | NA |
| 1965 | 12,707 | 76 | 17,182 | 3,649 | 4,188 | 43,144 | 4,723 | 17,801 | 90,687 | 0 | 5,385 | NA |
| 1970 | 20,417 | 151 | 22,612 | 4,702 | 5,489 | 56,348 | 6,778 | 17,651 | 113,580 | 0 | 4,374 | NA |
| 1971 | 20,391 | 161 | 21,583 | 4,740 | 5,372 | 58,679 | 10,409 | 17,689 | 118,472 | 0 | 5,917 | NA |
| 1972 | 20,653 | 164 | 23,065 | 4,144 | 5,916 | 63,390 | 15,870 | 16,838 | 129,222 | 0 | 6,438 | NA |
| 1973 | 21,856 | 161 | 25,157 | 3,914 | 6,050 | 65,888 | 15,892 | 15,751 | 132,653 | 0 | 7,113 | NA |
| 1974 | 21,943 | 140 | 22,703 | 3,907 | 5,834 | 66,364 | 13,699 | 13,152 | 125,659 | 0 | 6,890 | NA |
| 1975 | 20,055 | 115 | 21,259 | 3,809 | 6,445 | 66,935 | 7,779 | 11,858 | 118,083 | 1,405 | 7,055 | NA |
| 1976 | 22,625 | 101 | 24,212 | 3,715 | 7,022 | 70,030 | 12,790 | 12,746 | 130,516 | 2,511 | 5,652 | NA |
| 1977 | 22,985 | 73 | 27,276 | 4,087 | 6,360 | 72,296 | 14,685 | 14,132 | 138,836 | 5,664 | 5,287 | NA |
| 1978 | 20,816 | 82 | 24,634 | 4,338 | 7,706 | 75,198 | 12,355 | 13,840 | 138,071 | 9,917 | 5,482 | NA |
| 1979 | 22,949 | 131 | 29,434 | 4,332 | 7,873 | 71,154 | 11,997 | 11,852 | 136,642 | 6,809 | 7,917 | NA |
| 1980 | 25,466 | 153 | 24,116 | 5,209 | 7,979 | 66,222 | 9,058 | 10,880 | 123,465 | 5,775 | 5,486 | NA |
| 1981 | 26,816 | 152 | 21,225 | 5,319 | 7,533 | 66,515 | 5,621 | 9,135 | 115,349 | 6,246 | 2,930 | 37 |
| 1982 | 25,356 | 142 | 20,179 | 5,747 | 6,943 | 65,854 | 5,756 | 8,357 | 112,835 | 9,126 | 5,408 | 18 |
| 1983 | 23,918 | 137 | 24,644 | 6,404 | 6,981 | 67,201 | 5,802 | 8,202 | 119,234 | 12,363 | 6,142 | 7 |
| 1984 | 22,417 | 144 | 27,052 | 6,413 | 6,797 | 69,921 | 7,906 | 12,805 | 130,894 | 20,232 | 6,369 | 76 |
| 1985 | 22,052 | 134 | 26,290 | 6,668 | 7,546 | 70,856 | 6,233 | 11,990 | 129,582 | 19,303 | 4,094 | 228 |
| 1986 | 23,242 | 136 | 28,785 | 7,123 | 7,289 | 74,004 | 6,338 | 13,929 | 137,469 | 20,286 | 2,521 | 0 |
| 1987 | 19,965 | 149 | 30,349 | 7,749 | 8,791 | 76,719 | 6,281 | 13,715 | 143,603 | 28,600 | 5,101 | 0 |
| 1988 | 20,506 | 152 | 33,469 | 8,318 | 7,863 | 78,933 | 6,119 | 15,354 | 150,055 | 29,146 | 2,893 | 0 |
| 1989 | 23,565 | 162 | 27,768 | 7,689 | 9,308 | 77,874 | 5,465 | 13,021 | 141,126 | 29,212 | 6,996 | 0 |
| 1990 | 22,590 | 162 | 26,189 | 5,567 | 8,892 | 77,525 | 5,857 | 12,192 | 136,222 | 25,905 | 6,819 | 0 |
| 1991 | 22,585 | 167 | 25,308 | 4,384 | 10,308 | 77,046 | 6,073 | 11,969 | 135,087 | 30,312 | 5,850 | 121 |
| 1992 | 25,921 | 181 | 26,826 | 4,684 | 11,092 | 77,196 | 7,446 | 13,033 | 140,276 | 22,754 | 5,768 | 78 |
| 1993 | 27,527 | 186 | 26,643 | 4,897 | 11,870 | 81,432 | 7,985 | 13,072 | 145,898 | 23,759 | 4,987 | 78 |
| 1994 | 25,338 | 189 | 28,939 | 4,359 | 12,331 | 83,445 | 6,299 | 12,841 | 148,214 | 32,346 | 7,192 | 298 |
| 1995 | 26,434 | 205 | 31,396 | 4,947 | 12,137 | 86,421 | 6,263 | 14,821 | 155,985 | 35,910 | 5,521 | 28 |
| 1996 | 29,813 | 214 | 32,589 | 9,127 | 13,917 | 88,147 | 6,832 | 19,033 | 169,645 | 33,718 | 5,952 | 790 |
| 1997 | 30,859 | 216 | 32,724 | 7,156 | 15,789 | 90,933 | 5,999 | 20,027 | 172,628 | 32,453 | 5,626 | 798 |
| 1998 | 30,319 | 214 | 33,296 | 6,761 | 13,100 | 94,177 | 4,884 | 21,447 | 173,665 | 38,778 | 5,738 | 975 |
| 1999 | 29,738 | 217 | 31,371 | 6,802 | 11,858 | 97,421 | 4,364 | 20,679 | 172,496 | 37,524 | 3,684 | 836 |
| 2000 | 31,371 | 234 | 36,210 | 7,277 | 14,101 | 97,833 | 4,969 | 20,473 | 180,864 | 39,127 | 3,138 | 945 |
| 2001 | 30,481 | 207 | 36,595 | 6,051 | 13,847 | 98,717 | 3,623 | 18,068 | 176,902 | 37,775 | 2,596 | 1,303 |
| 2002 | 31,208 | 235 | 34,084 | 4,825 | 12,562 | 100,642 | 3,972 | 16,644 | 172,729 | 39,627 | 3,492 | 1,602 |
| 2003 | 31,124 | 219 | 34,755 | 5,246 | 11,945 | 102,618 | 4,904 | 16,898 | 176,365 | 40,907 | 7,201 | 2,103 |
| 2004 | 31,723 | 225 | 36,644 | 5,397 | 12,122 | 105,414 | 5,910 | 18,442 | 183,929 | 40,091 | 5,435 | 2,253 |
| 2005 | 32,860 | 230 | 36,441 | 7,366 | 13,192 | 105,796 | 5,568 | 17,387 | 185,750 | 39,982 | 5,397 | 620 |
| 2006 | 31,797 | 223 | 35,689 | 5,323 | 13,062 | 106,440 | 4,223 | R 16,291 | R 181,028 | 39,963 | 3,839 | 886 |
| 2007 | 33,606 | 237 | 35,483 | 7,161 | 12,074 | 107,871 | 3,756 | R 15,830 | R 182,176 | 40,045 | 2,984 | 1,301 |
| 2008 | 32,432 | 243 | R 31,039 | 5,225 | 13,201 | 114,153 | 3,729 | R 13,206 | R 180,553 | 39,776 | 3,034 | 7,011 |
| 2009 | 27,502 | 245 | 31,303 | 1,854 | 12,225 | 105,874 | 2,666 | 11,056 | 164,977 | 40,848 | 5,171 | 9,015 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina
(Trillion Btu)

| | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| Year | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 231.3 | 47.0 | 78.3 | 18.2 | 10.6 | 188.4 | 28.9 | 94.9 | 419.4 | 697.8 | *47.0* | *188.4* |
| 1965 | 325.9 | 78.2 | 100.1 | 19.7 | 16.8 | 226.6 | 29.7 | 103.4 | 496.3 | 900.4 | *78.2* | *226.6* |
| 1970 | 491.4 | 154.9 | 131.7 | 25.7 | 20.7 | 296.0 | 42.6 | 103.8 | 620.6 | 1,266.8 | *154.9* | *296.0* |
| 1971 | 484.6 | 164.4 | 125.7 | 25.9 | 20.3 | 308.2 | 65.4 | 104.1 | 649.7 | 1,298.7 | *164.4* | *308.2* |
| 1972 | 492.8 | 167.8 | 134.4 | 22.6 | 22.2 | 333.0 | 99.8 | 99.6 | 711.6 | 1,372.2 | *167.8* | *333.0* |
| 1973 | 531.7 | 165.2 | 146.5 | 21.4 | 22.7 | 346.1 | 99.9 | 94.0 | 730.6 | 1,427.5 | *165.2* | *346.1* |
| 1974 | 522.8 | 143.7 | 132.2 | 21.3 | 21.8 | 348.6 | 86.1 | 78.5 | 688.5 | 1,355.1 | *143.7* | *348.6* |
| 1975 | 476.5 | 116.9 | 123.8 | 20.8 | 23.9 | 351.6 | 48.9 | 70.3 | 639.5 | 1,232.9 | *116.9* | *351.6* |
| 1976 | 544.5 | 103.0 | 141.0 | 20.3 | 26.1 | 367.9 | 80.4 | 75.4 | 711.1 | 1,358.6 | *103.0* | *367.9* |
| 1977 | 548.1 | 73.9 | 158.9 | 22.4 | 23.4 | 379.8 | 92.3 | 83.9 | 760.7 | 1,382.7 | *73.9* | *379.8* |
| 1978 | 499.9 | 83.7 | 143.5 | 23.8 | 28.3 | 395.0 | 77.7 | 82.2 | 750.5 | 1,334.0 | *83.7* | *395.0* |
| 1979 | 558.6 | 133.8 | 171.5 | 23.8 | 29.0 | 373.8 | 75.4 | 70.7 | 744.1 | 1,436.5 | *133.8* | *373.8* |
| 1980 | 624.7 | 155.1 | 140.5 | 28.7 | 29.3 | 347.9 | 56.9 | 64.6 | 667.9 | 1,447.7 | *155.2* | *347.9* |
| 1981 | 655.3 | 154.3 | 123.6 | 29.4 | 27.4 | 349.4 | 35.3 | 53.9 | 619.1 | 1,428.6 | *154.3* | *349.4* |
| 1982 | 622.1 | 146.8 | 117.5 | 31.8 | 25.1 | 345.9 | 36.2 | 49.5 | 606.1 | 1,375.0 | *146.8* | *345.9* |
| 1983 | 595.0 | 141.0 | 143.6 | 35.6 | 25.2 | 353.0 | 36.5 | 49.7 | 643.5 | 1,379.5 | *141.1* | *353.0* |
| 1984 | 558.9 | 148.7 | 157.6 | 35.5 | 24.5 | 367.3 | 49.7 | 76.2 | 710.7 | 1,418.3 | *148.7* | *367.3* |
| 1985 | 550.5 | 138.3 | 153.1 | 37.0 | 27.2 | 372.2 | 39.2 | 71.2 | 700.0 | 1,388.8 | *138.4* | *372.2* |
| 1986 | 583.2 | 140.3 | 167.7 | 39.7 | 26.5 | 388.7 | 39.8 | 82.9 | 745.4 | 1,468.8 | *140.3* | *388.7* |
| 1987 | 500.9 | 153.3 | 176.8 | 43.2 | 32.2 | 403.0 | 39.5 | 81.2 | 775.8 | 1,430.0 | *153.3* | *403.0* |
| 1988 | 515.4 | 156.6 | 195.0 | 46.4 | 28.7 | 414.6 | 38.5 | 91.1 | 814.2 | 1,486.2 | *156.6* | *414.6* |
| 1989 | 591.4 | 166.8 | 161.8 | 42.8 | 34.3 | 409.1 | 34.4 | 77.1 | 759.4 | 1,517.7 | *166.8* | *409.1* |
| 1990 | 568.3 | 166.7 | 152.6 | 30.8 | 32.2 | 407.2 | 36.8 | 72.8 | 732.5 | 1,467.5 | *166.7* | *407.2* |
| 1991 | 567.4 | 172.8 | 147.4 | 24.3 | 37.3 | 404.7 | 38.2 | 71.1 | 723.0 | 1,463.2 | *172.8* | *404.7* |
| 1992 | 649.2 | 186.9 | 156.3 | 26.0 | 40.2 | 405.5 | 46.8 | 77.5 | 752.2 | 1,588.3 | *186.9* | *405.5* |
| 1993 | 689.4 | 192.5 | 155.2 | 27.2 | 42.8 | 427.5 | 50.2 | 78.0 | 780.9 | 1,662.8 | *192.5* | *427.8* |
| 1994 | 632.8 | 195.3 | 168.6 | 24.5 | 44.8 | 435.4 | 39.6 | 76.8 | 789.7 | 1,617.8 | *195.3* | *436.4* |
| 1995 | 662.9 | 212.0 | 182.9 | 28.0 | 44.0 | 450.6 | 39.4 | 89.6 | 834.4 | 1,709.3 | *212.0* | *450.7* |
| 1996 | 744.3 | 222.1 | 189.8 | 51.7 | 50.3 | 457.0 | 43.0 | 109.1 | 900.9 | R 1,867.3 | *222.1* | *459.8* |
| 1997 | 765.9 | 223.4 | 190.6 | 40.6 | 57.1 | R 471.3 | 37.7 | 115.0 | 912.2 | R 1,901.6 | *223.4* | *474.0* |
| 1998 | 754.3 | 222.7 | 193.9 | 38.3 | 47.3 | R 487.5 | 30.7 | 123.6 | 921.3 | R 1,898.3 | *222.7* | *490.9* |
| 1999 | 742.4 | 224.7 | 182.7 | 38.6 | 42.9 | R 504.8 | 27.4 | 119.0 | 915.3 | R 1,882.5 | *224.8* | *507.7* |
| 2000 | 786.1 | 240.7 | 210.9 | 41.3 | 50.9 | R 506.4 | 31.2 | 118.0 | R 958.7 | R 1,985.5 | *240.7* | *509.7* |
| 2001 | 756.3 | 215.6 | 213.2 | 34.3 | 50.0 | R 509.8 | 22.8 | 106.1 | R 936.2 | R 1,908.1 | *215.6* | *514.3* |
| 2002 | 770.9 | 243.1 | 198.5 | 27.4 | 45.4 | R 518.6 | 25.0 | 97.7 | R 912.5 | R 1,926.6 | *243.1* | *524.1* |
| 2003 | 771.6 | 227.4 | 202.4 | 29.7 | 43.3 | R 527.0 | 30.8 | 99.0 | R 932.4 | R 1,931.4 | *227.4* | *534.3* |
| 2004 | 782.7 | 232.2 | 213.5 | 30.6 | 43.9 | R 541.9 | 37.2 | 108.4 | R 975.4 | R 1,990.3 | *232.2* | *549.7* |
| 2005 | 811.9 | 237.5 | 212.3 | 41.8 | 47.8 | R 549.9 | 35.0 | 102.3 | 988.9 | R 2,038.4 | *237.5* | *552.0* |
| 2006 | 777.9 | 230.2 | 207.9 | 30.2 | 47.1 | R 552.3 | 26.5 | R 96.3 | R 960.3 | R 1,968.4 | *230.2* | *555.4* |
| 2007 | 828.0 | 245.2 | 206.7 | 40.6 | 43.4 | R 558.5 | 23.6 | R 93.8 | R 966.5 | R 2,039.6 | *245.2* | *563.0* |
| 2008 | 794.7 | 249.7 | R 180.8 | 29.6 | 47.5 | R 571.3 | 23.4 | R 78.0 | R 930.7 | R 1,975.0 | *249.7* | *595.7* |
| 2009 | 678.7 | 250.6 | 182.3 | 10.5 | 43.5 | 521.2 | 16.8 | 65.3 | 839.6 | 1,768.9 | *250.6* | *552.5* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 53.8 | 73.7 | NA | NA | 73.7 | 0.0 | NA | NA | 127.5 | 1.7 | 0.0 | 827.0 |
| 1965 | 0.0 | 56.3 | 67.3 | NA | NA | 67.3 | 0.0 | NA | NA | 123.6 | R -21.9 | 0.0 | 1,002.2 |
| 1970 | 0.0 | 45.9 | 65.9 | NA | NA | 65.9 | 0.0 | NA | NA | 111.8 | R -33.6 | 0.0 | R 1,345.0 |
| 1971 | 0.0 | 62.0 | 66.1 | NA | NA | 66.1 | 0.0 | NA | NA | 128.1 | R -20.5 | 0.0 | R 1,406.4 |
| 1972 | 0.0 | 66.8 | 68.9 | NA | NA | 68.9 | 0.0 | NA | NA | 135.8 | R -24.8 | 0.0 | R 1,483.1 |
| 1973 | 0.0 | 73.9 | 68.9 | NA | NA | 68.9 | 0.0 | NA | NA | 142.8 | R -15.9 | 0.0 | R 1,554.4 |
| 1974 | 0.0 | 71.9 | 67.7 | NA | NA | 67.7 | 0.0 | NA | NA | 139.6 | R 10.6 | 0.0 | R 1,505.3 |
| 1975 | 15.5 | 73.4 | 66.4 | NA | NA | 66.4 | 0.0 | NA | NA | 139.8 | R 73.8 | 0.0 | R 1,461.9 |
| 1976 | 27.7 | 58.6 | 78.3 | NA | NA | 78.3 | 0.0 | NA | NA | 137.0 | R 39.9 | 0.0 | R 1,563.2 |
| 1977 | 61.0 | 55.2 | 91.4 | NA | NA | 91.4 | 0.0 | NA | NA | 146.6 | R 49.4 | 0.0 | R 1,639.7 |
| 1978 | 108.5 | 56.8 | 102.4 | NA | NA | 102.4 | 0.0 | NA | NA | 159.2 | R 70.4 | 0.0 | R 1,672.1 |
| 1979 | 74.1 | 82.0 | 109.7 | NA | NA | 109.7 | 0.0 | NA | NA | 191.6 | R 36.7 | 0.0 | R 1,738.9 |
| 1980 | 63.0 | 57.0 | 78.9 | NA | NA | 78.9 | 0.0 | NA | NA | 135.9 | R 29.7 | 0.0 | R 1,676.4 |
| 1981 | 68.9 | 30.6 | 77.5 | 0.1 | 0.0 | 77.7 | 0.0 | NA | NA | 108.3 | R 31.6 | 0.0 | R 1,637.4 |
| 1982 | 101.1 | 56.5 | 86.8 | 0.1 | 0.0 | 86.8 | 0.0 | NA | NA | 143.4 | R -21.5 | 0.0 | R 1,597.9 |
| 1983 | 134.8 | 64.6 | 85.0 | (s) | 0.0 | 85.0 | 0.0 | NA | 0.0 | 149.7 | R 9.7 | 0.0 | R 1,673.7 |
| 1984 | 219.4 | 66.5 | 93.4 | 0.3 | 0.0 | 93.7 | 0.0 | 0.0 | 0.0 | R 160.1 | R 7.5 | 0.0 | R 1,805.4 |
| 1985 | 205.0 | 42.8 | 94.0 | 0.8 | 0.0 | 94.8 | 0.0 | 0.0 | 0.0 | 137.6 | R 70.8 | 0.0 | R 1,802.2 |
| 1986 | 214.6 | 26.3 | 87.8 | 0.0 | 0.0 | 87.8 | 0.0 | 0.0 | 0.0 | 114.1 | R 97.1 | 0.0 | R 1,894.6 |
| 1987 | 298.6 | 53.1 | 81.7 | 0.0 | 0.0 | 81.7 | 0.0 | 0.0 | 0.0 | 134.9 | R 117.1 | 0.0 | R 1,980.7 |
| 1988 | 309.0 | 29.9 | 85.4 | 0.0 | 0.0 | 85.4 | 0.0 | 0.0 | 0.0 | 115.3 | R 148.6 | 0.0 | R 2,059.2 |
| 1989 | 309.2 | 73.0 | 94.4 | 0.0 | 0.0 | 94.4 | 0.1 | 0.2 | 0.0 | 167.7 | R 84.4 | 0.0 | R 2,078.8 |
| 1990 | 274.1 | 70.9 | 97.5 | 0.0 | 0.0 | 97.5 | 0.1 | 0.2 | 0.0 | 168.7 | R 169.3 | 0.0 | R 2,079.7 |
| 1991 | 317.8 | 61.1 | 75.9 | 0.4 | 0.0 | 76.4 | 0.1 | 0.2 | 0.0 | 137.7 | R 143.2 | 0.0 | R 2,061.9 |
| 1992 | 238.3 | 59.7 | 99.7 | 0.3 | 0.0 | 100.0 | 0.1 | 0.2 | 0.0 | 160.0 | R 165.0 | 0.0 | R 2,151.6 |
| 1993 | 249.6 | 51.4 | 105.6 | 0.3 | 0.0 | R 105.8 | 0.2 | 0.2 | 0.0 | 157.6 | R 176.4 | 0.0 | R 2,246.4 |
| 1994 | 338.1 | 74.2 | 112.3 | 1.0 | 0.0 | R 113.3 | 0.1 | 0.2 | 0.0 | R 187.8 | R 131.2 | 0.0 | R 2,274.9 |
| 1995 | 377.3 | 56.9 | 111.5 | 0.1 | 0.0 | 111.6 | 0.2 | 0.2 | 0.0 | 168.8 | R 135.1 | 0.0 | R 2,390.5 |
| 1996 | 354.1 | 61.5 | 109.5 | 2.7 | 0.0 | R 112.2 | 0.2 | 0.2 | 0.0 | R 174.1 | R 113.4 | 0.0 | R 2,509.0 |
| 1997 | 340.6 | 57.5 | 107.0 | 2.8 | 0.0 | R 109.8 | 0.2 | 0.2 | 0.0 | R 167.6 | R 106.7 | 0.0 | R 2,516.5 |
| 1998 | 406.8 | 58.5 | 100.8 | 3.4 | 0.0 | R 104.2 | 0.2 | 0.2 | 0.0 | R 163.0 | R 85.7 | 0.0 | R 2,553.9 |
| 1999 | 392.1 | 37.7 | 102.1 | 2.9 | 0.0 | 105.0 | 0.2 | 0.1 | 0.0 | R 143.0 | R 149.2 | 0.0 | R 2,566.8 |
| 2000 | 408.1 | 32.0 | 104.2 | 3.3 | 0.0 | R 107.5 | 0.2 | 0.1 | 0.0 | 139.9 | R 140.4 | 0.0 | R 2,673.9 |
| 2001 | 394.5 | 26.8 | 100.2 | 4.5 | 0.0 | R 104.7 | 0.2 | 0.1 | 0.0 | R 131.9 | R 156.4 | 0.0 | R 2,590.9 |
| 2002 | 413.8 | 35.5 | 89.4 | 5.6 | 0.0 | R 94.9 | 0.2 | 0.1 | 0.0 | R 130.8 | R 139.1 | 0.0 | R 2,610.3 |
| 2003 | 426.3 | 73.7 | 108.2 | 7.3 | 0.0 | R 115.5 | 0.3 | 0.1 | 0.0 | R 189.7 | R 77.5 | 0.0 | R 2,624.9 |
| 2004 | 418.0 | 54.5 | 84.9 | 7.8 | 0.0 | R 92.7 | 0.3 | 0.1 | 0.0 | R 147.7 | R 138.4 | 0.0 | R 2,694.4 |
| 2005 | 417.2 | 54.0 | R 90.8 | 2.2 | 0.0 | R 92.9 | 0.4 | 0.1 | 0.0 | R 147.4 | R 117.2 | 0.0 | R 2,720.3 |
| 2006 | 417.1 | 38.1 | R 98.3 | 3.1 | 0.0 | R 101.3 | 0.5 | 0.2 | 0.0 | R 140.1 | R 128.8 | 0.0 | R 2,654.3 |
| 2007 | 419.9 | 29.5 | R 82.8 | 4.5 | 0.0 | R 87.3 | 0.6 | 0.2 | 0.0 | R 117.6 | R 116.9 | 0.0 | R 2,694.0 |
| 2008 | 415.8 | 29.9 | 111.3 | 24.3 | 0.0 | R 135.7 | 0.7 | 0.3 | 0.0 | R 166.5 | R 140.7 | 0.0 | R 2,698.0 |
| 2009 | 427.3 | 50.5 | 96.3 | 31.2 | 0.0 | 127.5 | 0.8 | 0.4 | 0.0 | 179.2 | 170.1 | 0.0 | 2,545.4 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 3,458 | 41 | 13,385 | 3,401 | 2,635 | 35,875 | 4,584 | 16,310 | 76,190 | 48 | – – | – – | – – | – – | 17,236 | – – | – – | – – |
| 1965 | 3,113 | 73 | 17,129 | 3,649 | 4,188 | 43,144 | 4,707 | 17,801 | 90,618 | 37 | – – | – – | – – | – – | 24,668 | – – | – – | – – |
| 1970 | 2,707 | 130 | 21,180 | 4,702 | 5,489 | 56,348 | 6,332 | 17,651 | 111,703 | 10 | – – | – – | – – | – – | 40,456 | – – | – – | – – |
| 1975 | 1,849 | 115 | 21,165 | 3,809 | 6,445 | 66,935 | 7,542 | 11,858 | 117,753 | 5 | – – | – – | – – | – – | 51,553 | – – | – – | – – |
| 1980 | 1,546 | 152 | 23,555 | 5,209 | 7,979 | 66,222 | 9,058 | 10,880 | 122,904 | 3 | – – | – – | – – | – – | 63,889 | – – | – – | – – |
| 1985 | 2,442 | 133 | 25,847 | 6,668 | 7,546 | 70,856 | 6,233 | 11,990 | 129,139 | 3 | – – | – – | – – | – – | 72,287 | – – | – – | – – |
| 1990 | 3,145 | 159 | 25,799 | 5,567 | 8,892 | 77,525 | 5,857 | 12,192 | 135,832 | 27 | – – | – – | – – | – – | 89,924 | – – | – – | – – |
| 1995 | 2,660 | 200 | 30,863 | 4,947 | 12,137 | 86,421 | 6,263 | 14,821 | 155,452 | 1,650 | – – | – – | – – | – – | 104,673 | – – | – – | – – |
| 2000 | 1,875 | 221 | 35,042 | 7,277 | 14,101 | 97,833 | 4,969 | 20,473 | 179,696 | 946 | – – | – – | – – | – – | 119,855 | – – | – – | – – |
| 2001 | 1,832 | 191 | 35,717 | 6,051 | 13,847 | 98,717 | 3,623 | 18,068 | 176,023 | 735 | – – | – – | – – | – – | 119,027 | – – | – – | – – |
| 2002 | 1,729 | 203 | 33,271 | 4,825 | 12,562 | 100,642 | 3,972 | 16,644 | 171,916 | 1,071 | – – | – – | – – | – – | 122,686 | – – | – – | – – |
| 2003 | 1,720 | 204 | 33,597 | 5,246 | 11,945 | 102,618 | 4,904 | 16,898 | 175,207 | 872 | – – | – – | – – | – – | 121,335 | – – | – – | – – |
| 2004 | 1,800 | 203 | 35,996 | 5,397 | 12,122 | 105,414 | 5,910 | 18,442 | 183,281 | 705 | – – | – – | – – | – – | 125,657 | – – | – – | – – |
| 2005 | 1,557 | 203 | 35,892 | 7,366 | 13,192 | 105,796 | 5,568 | 17,387 | 185,201 | 740 | – – | – – | – – | – – | 128,335 | – – | – – | – – |
| 2006 | 1,341 | 195 | 35,216 | 5,323 | 13,062 | 106,440 | 4,223 | 16,291 | 180,555 | 506 | – – | – – | – – | – – | 126,699 | – – | – – | – – |
| 2007 | 1,193 | 197 | 34,957 | 7,161 | 12,074 | 107,871 | 3,756 | 15,830 | 181,650 | 9 | – – | – – | – – | – – | 131,881 | – – | – – | – – |
| 2008 | 1,316 | 207 | 30,562 | 5,225 | 13,201 | 114,153 | 3,729 | 13,206 | 180,076 | 10 | – – | – – | – – | – – | 130,054 | – – | – – | – – |
| 2009 | 1,075 | 205 | 30,819 | 1,854 | 12,225 | 105,874 | 2,666 | 11,056 | 164,494 | 16 | – – | – – | – – | – – | 127,658 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 87.3 | 42.2 | 78.0 | 18.2 | 10.6 | 188.4 | 28.8 | 94.9 | 419.0 | 0.5 | 73.7 | NA | NA | NA | 58.8 | 681.5 | 145.4 | 827.0 |
| 1965 | 78.2 | 75.3 | 99.8 | 19.7 | 16.8 | 226.6 | 29.6 | 103.4 | 495.9 | 0.4 | 67.3 | NA | NA | NA | 84.2 | 801.2 | 200.9 | 1,002.2 |
| 1970 | 64.3 | 133.2 | 123.4 | 25.7 | 20.7 | 296.0 | 39.8 | 103.8 | 609.4 | 0.1 | 65.9 | NA | NA | NA | 138.0 | 1,011.0 | 333.9 | 1,345.0 |
| 1975 | 43.4 | 116.8 | 123.3 | 20.8 | 23.9 | 351.6 | 47.4 | 70.3 | 637.4 | 0.1 | 66.4 | NA | NA | NA | 175.9 | 1,040.0 | 421.9 | 1,461.9 |
| 1980 | 37.8 | 153.4 | 137.2 | 28.7 | 29.3 | 347.9 | 56.9 | 64.6 | 664.6 | (s) | 78.9 | NA | NA | NA | 218.0 | 1,152.7 | 523.7 | 1,676.4 |
| 1985 | 60.7 | 137.8 | 150.6 | 37.0 | 27.2 | 372.2 | 39.2 | 71.2 | 697.4 | (s) | 94.0 | 0.0 | NA | NA | 246.6 | 1,237.3 | 564.9 | 1,802.2 |
| 1990 | 78.5 | 163.8 | 150.3 | 30.8 | 32.2 | 407.2 | 36.8 | 72.8 | 730.2 | 0.3 | 95.7 | 0.0 | 0.1 | 0.2 | 306.8 | 1,375.7 | 704.0 | 2,079.7 |
| 1995 | 67.2 | 206.2 | 179.8 | 28.0 | 44.0 | 450.7 | 39.4 | 89.6 | 831.4 | 17.0 | 105.0 | 0.0 | 0.2 | 0.2 | 357.1 | 1,584.3 | 806.2 | 2,390.5 |
| 2000 | 49.7 | 227.6 | 204.1 | 41.3 | 50.9 | 509.7 | 31.2 | 118.0 | 955.2 | 9.7 | 97.6 | 0.0 | 0.2 | 0.1 | 408.9 | 1,749.0 | 924.9 | 2,673.9 |
| 2001 | 48.8 | 199.0 | 208.0 | 34.3 | 50.0 | 514.3 | 22.8 | 106.1 | 935.6 | 7.6 | 93.7 | 0.0 | 0.2 | 0.1 | 406.1 | 1,691.1 | 899.8 | 2,590.9 |
| 2002 | 45.4 | 211.0 | 193.8 | 27.4 | 45.4 | 524.1 | 25.0 | 97.7 | 913.4 | 10.9 | 83.0 | 0.0 | 0.2 | 0.1 | 418.6 | 1,682.6 | 927.6 | 2,610.3 |
| 2003 | 45.4 | 212.9 | 195.7 | 29.7 | 43.3 | 534.3 | 30.8 | 99.0 | 933.0 | 8.9 | 102.1 | 0.0 | 0.3 | 0.1 | 414.0 | 1,716.7 | 908.2 | 2,624.9 |
| 2004 | 46.9 | 210.6 | 209.7 | 30.6 | 43.9 | 549.7 | 37.2 | 108.4 | 979.4 | 7.1 | 78.3 | 0.0 | 0.3 | 0.1 | 428.7 | 1,751.4 | 943.0 | 2,694.4 |
| 2005 | 40.7 | 210.1 | 209.1 | 41.8 | 47.8 | 552.0 | 35.0 | 102.3 | 987.9 | 7.4 | 83.6 | 0.0 | 0.4 | 0.1 | 437.9 | 1,768.1 | 952.2 | 2,720.3 |
| 2006 | 35.1 | 201.4 | 205.1 | 30.2 | 47.1 | 555.4 | 26.5 | 96.3 | 960.6 | 5.0 | 89.8 | 0.0 | 0.5 | 0.2 | 432.3 | 1,724.9 | 929.3 | 2,654.3 |
| 2007 | 31.2 | 204.5 | 203.6 | 40.6 | 43.4 | 563.0 | 23.6 | 93.8 | 967.9 | 0.1 | 74.3 | 0.0 | 0.6 | 0.2 | 450.0 | 1,728.8 | 965.2 | 2,694.0 |
| 2008 | 34.5 | 213.3 | 178.0 | 29.6 | 47.5 | 595.7 | 23.4 | 78.0 | 952.2 | 0.1 | 103.4 | 0.0 | 0.7 | 0.3 | 443.7 | 1,748.2 | 949.8 | 2,698.0 |
| 2009 | 28.3 | 210.4 | 179.5 | 10.5 | 43.5 | 552.5 | 16.8 | 65.3 | 868.0 | 0.2 | 85.2 | 0.0 | 0.8 | 0.4 | 435.6 | 1,628.9 | 916.6 | 2,545.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum | | | | Biomass | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Kerosene | LPG [b] | Total | Wood [c] | | | | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 587 | 9 | 5,887 | 10,429 | 1,378 | 17,693 | 2,196 | – – | – – | 5,796 | – – | – – | – – |
| 1965 | 309 | 15 | 6,654 | 10,547 | 2,186 | 19,388 | 1,527 | – – | – – | 8,601 | – – | – – | – – |
| 1970 | 244 | 27 | 8,663 | 10,045 | 2,561 | 21,269 | 1,024 | – – | – – | 14,660 | – – | – – | – – |
| 1975 | 111 | 27 | 7,261 | 4,901 | 1,915 | 14,078 | 1,047 | – – | – – | 18,999 | – – | – – | – – |
| 1980 | 36 | 34 | 7,044 | 2,747 | 2,427 | 12,219 | 1,154 | – – | – – | 24,377 | – – | – – | – – |
| 1985 | 43 | 29 | 5,449 | 3,994 | 2,724 | 12,167 | 1,428 | – – | – – | 26,852 | – – | – – | – – |
| 1990 | 31 | 35 | 4,225 | 1,408 | 3,648 | 9,281 | 585 | – – | – – | 33,144 | – – | – – | – – |
| 1995 | 29 | 49 | 4,023 | 2,098 | 4,990 | 11,110 | 885 | – – | – – | 39,506 | – – | – – | – – |
| 1996 | 25 | 59 | 4,257 | 2,546 | 5,711 | 12,515 | 919 | – – | – – | 41,592 | – – | – – | – – |
| 1997 | 21 | 53 | 3,426 | 2,603 | 5,684 | 11,714 | 725 | – – | – – | 40,611 | – – | – – | – – |
| 1998 | 22 | 51 | 2,993 | 2,988 | 5,423 | 11,404 | 645 | – – | – – | 42,890 | – – | – – | – – |
| 1999 | 18 | 53 | 2,968 | 1,985 | 5,484 | 10,437 | 679 | – – | – – | 43,648 | – – | – – | – – |
| 2000 | 12 | 64 | 3,238 | 1,979 | 5,933 | 11,149 | 729 | – – | – – | 46,537 | – – | – – | – – |
| 2001 | 14 | 57 | 3,118 | 2,022 | 6,105 | 11,245 | 484 | – – | – – | 46,201 | – – | – – | – – |
| 2002 | 16 | 59 | 2,808 | 1,223 | 5,689 | 9,719 | 492 | – – | – – | 49,854 | – – | – – | – – |
| 2003 | 17 | 65 | 2,967 | 1,786 | 6,342 | 11,095 | 517 | – – | – – | 49,349 | – – | – – | – – |
| 2004 | 35 | 63 | 2,868 | 1,892 | 6,692 | 11,451 | 530 | – – | – – | 51,717 | – – | – – | – – |
| 2005 | 12 | 64 | 2,228 | 1,755 | 5,738 | 9,720 | R 770 | – – | – – | 54,073 | – – | – – | – – |
| 2006 | 10 | 57 | 2,030 | 1,194 | 4,936 | 8,161 | R 701 | – – | – – | 52,851 | – – | – – | – – |
| 2007 | 4 | 58 | 1,972 | 849 | 4,795 | 7,617 | R 773 | – – | – – | 56,095 | – – | – – | – – |
| 2008 | 25 | 64 | R 1,639 | 376 | 6,304 | R 8,320 | R 808 | – – | – – | 55,740 | – – | – – | – – |
| 2009 | 21 | 66 | 1,304 | 383 | 6,042 | 7,729 | 773 | – – | – – | 56,311 | – – | – – | – – |
| | | | | | | Trillion Btu | | | | | | | |
| 1960 | 14.5 | 8.9 | 34.3 | 59.1 | 5.5 | 98.9 | 43.9 | NA | NA | 19.8 | 186.0 | 48.9 | 234.9 |
| 1965 | 7.6 | 15.1 | 38.8 | 59.8 | 8.8 | 107.3 | 30.5 | NA | NA | 29.3 | 189.9 | 70.1 | R 259.9 |
| 1970 | 5.8 | 28.0 | 50.5 | 57.0 | 9.7 | 117.1 | 20.5 | NA | NA | 50.0 | 221.4 | R 121.0 | R 342.4 |
| 1975 | 2.6 | 28.0 | 42.3 | 27.8 | 7.1 | 77.2 | 20.9 | NA | NA | 64.8 | 193.5 | R 155.5 | R 349.0 |
| 1980 | 0.9 | 34.4 | 41.0 | 15.6 | 8.9 | 65.5 | 23.1 | NA | NA | 83.2 | 207.0 | R 199.8 | R 406.8 |
| 1985 | 1.1 | 29.6 | 31.7 | 22.6 | 9.8 | 64.2 | 28.6 | NA | NA | 91.6 | 215.1 | R 209.8 | R 424.9 |
| 1990 | 0.8 | 36.1 | 24.6 | 8.0 | 13.2 | 45.8 | 11.7 | 0.1 | 0.2 | 113.1 | 207.8 | R 259.5 | R 467.3 |
| 1995 | 0.7 | 51.0 | 23.4 | 11.9 | 18.1 | 53.4 | 17.7 | 0.2 | 0.2 | 134.8 | 258.0 | R 304.3 | R 562.2 |
| 1996 | 0.6 | 60.9 | 24.8 | 14.4 | 20.6 | 59.9 | 18.4 | 0.2 | 0.2 | 141.9 | 282.0 | R 320.7 | R 602.7 |
| 1997 | 0.5 | 54.8 | 20.0 | 14.8 | 20.6 | 55.3 | 14.5 | 0.2 | 0.2 | 138.6 | 264.0 | R 311.9 | R 575.9 |
| 1998 | 0.6 | 52.9 | 17.4 | 16.9 | 19.6 | 54.0 | 12.9 | 0.2 | 0.2 | 146.3 | 267.0 | R 329.8 | R 596.8 |
| 1999 | 0.5 | 54.7 | 17.3 | 11.3 | 19.8 | 48.4 | 13.6 | 0.2 | 0.1 | 148.9 | 266.4 | R 338.6 | R 605.0 |
| 2000 | 0.3 | 65.9 | 18.9 | 11.2 | 21.4 | 51.5 | 14.6 | 0.2 | 0.1 | 158.8 | 291.4 | R 359.1 | R 650.5 |
| 2001 | 0.4 | 59.2 | 18.2 | 11.5 | 22.1 | 51.7 | 9.7 | 0.2 | 0.1 | 157.6 | 278.9 | R 349.3 | R 628.2 |
| 2002 | 0.4 | 61.1 | 16.4 | 6.9 | 20.6 | 43.8 | 9.8 | 0.2 | 0.1 | 170.1 | 285.6 | R 377.0 | R 662.5 |
| 2003 | 0.4 | 68.2 | 17.3 | 10.1 | 23.0 | 50.4 | 10.3 | 0.3 | 0.1 | 168.4 | 298.2 | R 369.4 | R 667.5 |
| 2004 | 0.9 | 65.0 | 16.7 | 10.7 | 24.2 | 51.6 | 10.6 | 0.3 | 0.1 | 176.5 | 305.1 | R 388.1 | R 693.2 |
| 2005 | 0.3 | 66.2 | 13.0 | 10.0 | 20.8 | 43.7 | R 15.4 | 0.4 | 0.1 | 184.5 | R 310.6 | R 401.2 | R 711.8 |
| 2006 | 0.3 | 58.5 | 11.8 | 6.8 | 17.8 | 36.4 | R 14.0 | 0.5 | 0.2 | 180.3 | R 290.1 | R 387.7 | R 677.8 |
| 2007 | 0.1 | 60.5 | 11.5 | 4.8 | 17.2 | 33.5 | R 15.5 | 0.6 | 0.2 | 191.4 | R 301.8 | R 410.5 | R 712.3 |
| 2008 | 0.7 | 65.8 | 9.5 | 2.1 | 22.7 | R 34.4 | R 16.2 | 0.7 | 0.3 | 190.2 | R 308.2 | R 407.1 | R 715.2 |
| 2009 | 0.6 | 67.4 | 7.6 | 2.2 | 21.5 | 31.3 | 15.5 | 0.8 | 0.4 | 192.1 | 308.0 | 404.3 | 712.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 408 | 4 | 1,156 | 248 | 523 | 206 | 122 | 2,255 | NA | – – | – – | 2,667 | – – | – – | – – |
| 1965 | 233 | 7 | 1,307 | 251 | 829 | 278 | 120 | 2,786 | NA | – – | – – | 5,360 | – – | – – | – – |
| 1970 | 192 | 22 | 1,701 | 239 | 972 | 355 | 179 | 3,446 | NA | – – | – – | 9,697 | – – | – – | – – |
| 1975 | 259 | 22 | 1,426 | 117 | 726 | 414 | 233 | 2,917 | NA | – – | – – | 11,679 | – – | – – | – – |
| 1980 | 135 | 26 | 1,673 | 118 | 921 | 790 | 491 | 3,992 | NA | – – | – – | 14,258 | – – | – – | – – |
| 1985 | 152 | 25 | 2,958 | 245 | 1,033 | 633 | 322 | 5,191 | NA | – – | – – | 19,163 | – – | – – | – – |
| 1990 | 125 | 31 | 2,302 | 78 | 1,384 | 782 | 223 | 4,769 | 24 | – – | – – | 25,516 | – – | – – | – – |
| 1995 | 195 | 37 | 2,345 | 147 | 1,893 | 61 | 185 | 4,631 | 15 | – – | – – | 31,104 | – – | – – | – – |
| 1996 | 181 | 40 | 2,824 | 178 | 2,166 | 312 | 220 | 5,701 | 13 | – – | – – | 32,563 | – – | – – | – – |
| 1997 | 171 | 38 | 2,861 | 205 | 2,156 | 176 | 169 | 5,567 | 16 | – – | – – | 33,344 | – – | – – | – – |
| 1998 | 178 | 36 | 2,584 | 261 | 2,057 | 347 | 114 | 5,362 | 13 | – – | – – | 35,720 | – – | – – | – – |
| 1999 | 132 | 38 | 2,162 | 185 | 2,080 | 311 | 100 | 4,837 | 10 | – – | – – | 37,202 | – – | – – | – – |
| 2000 | 101 | 43 | 2,679 | 234 | 2,250 | 330 | 113 | 5,606 | 10 | – – | – – | 39,067 | – – | – – | – – |
| 2001 | 114 | 39 | 3,096 | 192 | 2,316 | 263 | 128 | 5,994 | 2 | – – | – – | 39,895 | – – | – – | – – |
| 2002 | 116 | 40 | 1,992 | 95 | 2,158 | 275 | 74 | 4,594 | 8 | – – | – – | 41,451 | – – | – – | – – |
| 2003 | 113 | 44 | 2,125 | 269 | 2,381 | 1,163 | 208 | 6,148 | 6 | – – | – – | 41,672 | – – | – – | – – |
| 2004 | 317 | 45 | 1,680 | 168 | 2,462 | 1,461 | 276 | 6,048 | 17 | – – | – – | 42,864 | – – | – – | – – |
| 2005 | 137 | 48 | 1,669 | 162 | 1,943 | 1,939 | 229 | 5,942 | 18 | – – | – – | 44,161 | – – | – – | – – |
| 2006 | 106 | 46 | 1,471 | 100 | 1,901 | 1,604 | 161 | 5,237 | 12 | – – | – – | 44,585 | – – | – – | – – |
| 2007 | 40 | 45 | 1,502 | 71 | 1,940 | 1,153 | 30 | 4,696 | 7 | – – | – – | 46,807 | – – | – – | – – |
| 2008 | 225 | 49 | R 1,154 | 35 | 2,562 | 1,304 | 47 | R 5,102 | 8 | – – | – – | 46,537 | – – | – – | – – |
| 2009 | 186 | 51 | 1,870 | 30 | 1,971 | 1,941 | 3 | 5,816 | 14 | – – | – – | 46,240 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 10.1 | 3.8 | 6.7 | 1.4 | 2.1 | 1.1 | 0.8 | 12.1 | NA | 0.8 | NA | 9.1 | 36.0 | 22.5 | 58.5 |
| 1965 | 5.7 | 7.5 | 7.6 | 1.4 | 3.3 | 1.5 | 0.8 | 14.6 | NA | 0.6 | NA | 18.3 | 46.7 | 43.7 | R 90.3 |
| 1970 | 4.6 | 22.0 | 9.9 | 1.4 | 3.7 | 1.9 | 1.1 | 17.9 | NA | 0.4 | NA | 33.1 | 78.0 | R 80.0 | 158.1 |
| 1975 | 6.1 | 22.0 | 8.3 | 0.7 | 2.7 | 2.2 | 1.5 | 15.3 | NA | 0.4 | NA | 39.8 | 83.6 | R 95.6 | R 179.2 |
| 1980 | 3.3 | 26.5 | 9.7 | 0.7 | 3.4 | 4.1 | 3.1 | 21.0 | NA | 0.6 | NA | 48.6 | 100.0 | R 116.9 | R 216.9 |
| 1985 | 3.8 | 25.9 | 17.2 | 1.4 | 3.7 | 3.3 | 2.0 | 27.7 | NA | 0.7 | NA | 65.4 | 123.4 | R 149.8 | R 273.2 |
| 1990 | 3.2 | 32.3 | 13.4 | 0.4 | 5.0 | 4.1 | 1.4 | 24.4 | 0.3 | 1.3 | 0.0 | 87.1 | 148.4 | R 199.8 | R 348.2 |
| 1995 | 4.9 | 38.6 | 13.7 | 0.8 | 6.9 | 0.3 | 1.2 | 22.8 | 0.2 | 2.4 | 0.0 | 106.1 | 175.0 | R 239.6 | R 414.6 |
| 1996 | 4.5 | 41.9 | 16.4 | 1.0 | 7.8 | 1.6 | 1.4 | 28.3 | 0.1 | 2.5 | 0.0 | 111.1 | 188.5 | R 251.1 | R 439.6 |
| 1997 | 4.3 | 39.4 | 16.7 | 1.2 | 7.8 | 0.9 | 1.1 | 27.6 | 0.2 | 2.4 | 0.0 | 113.8 | 187.6 | R 256.1 | R 443.7 |
| 1998 | 4.8 | 37.9 | 15.1 | 1.5 | 7.4 | 1.8 | 0.7 | 26.5 | 0.1 | 2.1 | 0.0 | 121.9 | 193.3 | R 274.7 | R 468.0 |
| 1999 | 3.6 | 39.4 | 12.6 | 1.0 | 7.5 | 1.6 | 0.6 | 23.4 | 0.1 | 2.2 | 0.0 | 126.9 | 195.6 | R 288.6 | R 484.2 |
| 2000 | 2.7 | 44.4 | 15.6 | 1.3 | 8.1 | 1.7 | 0.7 | 27.5 | 0.1 | 2.4 | 0.0 | 133.3 | 210.4 | R 301.5 | R 511.9 |
| 2001 | 2.8 | 40.2 | 18.0 | 1.1 | 8.4 | 1.4 | 0.8 | 29.7 | (s) | 1.7 | 0.0 | 136.1 | 210.6 | R 301.6 | R 512.2 |
| 2002 | 2.9 | 41.7 | 11.6 | 0.5 | 7.8 | 1.4 | 0.5 | 21.8 | 0.1 | 1.7 | 0.0 | 141.4 | 209.6 | R 313.4 | R 523.1 |
| 2003 | 2.9 | 46.1 | 12.4 | 1.5 | 8.6 | 6.1 | 1.3 | 29.9 | 0.1 | 1.8 | 0.0 | 142.2 | 223.0 | R 311.9 | R 534.9 |
| 2004 | 7.9 | 47.0 | 9.8 | 1.0 | 8.9 | 7.6 | 1.7 | 29.0 | 0.2 | 1.8 | 0.0 | 146.3 | 232.0 | R 321.7 | R 553.7 |
| 2005 | 3.5 | 49.4 | 9.7 | 0.9 | 7.0 | 10.1 | 1.4 | 29.2 | 0.2 | R 2.5 | 0.0 | 150.7 | R 235.5 | R 327.7 | R 563.1 |
| 2006 | 2.7 | 47.9 | 8.6 | 0.6 | 6.9 | 8.4 | 1.0 | 25.4 | 0.1 | R 2.3 | 0.0 | 152.1 | R 230.5 | R 327.0 | R 557.5 |
| 2007 | 1.0 | 47.1 | 8.7 | 0.4 | 7.0 | 6.0 | 0.2 | 22.3 | 0.1 | R 2.4 | 0.0 | 159.7 | R 232.7 | R 342.6 | R 575.2 |
| 2008 | 6.0 | 50.0 | 6.7 | 0.2 | 9.2 | 6.8 | 0.3 | 23.2 | 0.1 | R 2.6 | 0.0 | 158.8 | R 240.7 | R 339.9 | R 580.6 |
| 2009 | 5.0 | 52.6 | 10.9 | 0.2 | 7.0 | 10.1 | (s) | 28.2 | 0.1 | 2.6 | 0.0 | 157.8 | 246.3 | 332.0 | 578.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,421 | 26 | 3,155 | 730 | 1,089 | 3,967 | 4,396 | 13,336 | 48 | – – | – – | – – | 8,773 | – – | – – | – – |
| 1965 | 2,563 | 47 | 4,710 | 1,156 | 1,315 | 4,005 | 5,710 | 16,896 | 37 | – – | – – | – – | 10,707 | – – | – – | – – |
| 1970 | 2,267 | 75 | 4,514 | 1,891 | 1,004 | 5,809 | 6,692 | 19,911 | 10 | – – | – – | – – | 16,099 | – – | – – | – – |
| 1975 | 1,479 | 62 | 4,271 | 3,695 | 782 | 7,045 | 6,123 | 21,915 | 5 | – – | – – | – – | 20,875 | – – | – – | – – |
| 1980 | 1,375 | 86 | 4,131 | 4,581 | 514 | 8,468 | 7,165 | 24,859 | 3 | – – | – – | – – | 25,254 | – – | – – | – – |
| 1985 | 2,247 | 75 | 3,613 | 3,606 | 832 | 5,814 | 7,000 | 20,864 | 3 | – – | – – | – – | 26,272 | – – | – – | – – |
| 1990 | 2,989 | 86 | 3,467 | 3,700 | 807 | 5,121 | 9,843 | 22,938 | 3 | – – | – – | – – | 31,265 | – – | – – | – – |
| 1995 | 2,437 | 107 | 4,640 | 5,115 | 977 | 5,779 | 11,817 | 28,327 | 1,636 | – – | – – | – – | 34,063 | – – | – – | – – |
| 1996 | 2,336 | 104 | 4,372 | 5,908 | 1,003 | 6,280 | 15,559 | 33,121 | 1,741 | – – | – – | – – | 34,142 | – – | – – | – – |
| 1997 | 2,158 | 112 | 4,019 | 7,827 | 1,041 | 5,554 | 16,418 | 34,859 | 1,697 | – – | – – | – – | 35,095 | – – | – – | – – |
| 1998 | 1,883 | 106 | 4,822 | 5,409 | 923 | 4,622 | 17,297 | 33,072 | 1,663 | – – | – – | – – | 34,986 | – – | – – | – – |
| 1999 | 1,751 | 107 | 3,935 | 4,221 | 657 | 4,132 | 17,651 | 30,596 | 1,174 | – – | – – | – – | 34,165 | – – | – – | – – |
| 2000 | 1,762 | 107 | 4,207 | 5,820 | 804 | 4,729 | 17,459 | 33,018 | 936 | – – | – – | – – | 34,252 | – – | – – | – – |
| 2001 | 1,704 | 89 | 4,676 | 5,368 | 2,019 | 3,391 | 15,096 | 30,549 | 733 | – – | – – | – – | 32,931 | – – | – – | – – |
| 2002 | 1,597 | 98 | 3,411 | 4,581 | 1,957 | 3,099 | 14,636 | 27,684 | 1,062 | – – | – – | – – | 31,381 | – – | – – | – – |
| 2003 | 1,590 | 88 | 3,433 | 3,094 | 1,666 | 3,914 | 14,147 | 26,255 | 866 | – – | – – | – – | 30,314 | – – | – – | – – |
| 2004 | 1,448 | 90 | 3,483 | 2,830 | 1,966 | 5,233 | 15,712 | 29,225 | 688 | – – | – – | – – | 31,075 | – – | – – | – – |
| 2005 | 1,408 | 87 | 4,272 | 4,264 | 1,831 | 4,918 | 14,783 | 30,067 | 722 | – – | – – | – – | 30,101 | – – | – – | – – |
| 2006 | 1,225 | 87 | 3,914 | 5,052 | 1,941 | 3,869 | R 14,346 | R 29,121 | 494 | – – | – – | – – | 29,263 | – – | – – | – – |
| 2007 | 1,148 | 88 | 3,923 | 4,440 | 1,385 | 3,136 | R 14,252 | R 27,136 | 2 | – – | – – | – – | 28,978 | – – | – – | – – |
| 2008 | 1,066 | 89 | R 2,752 | R 2,807 | 1,131 | 2,930 | R 12,155 | R 21,774 | 2 | – – | – – | – – | 27,773 | – – | – – | – – |
| 2009 | 869 | 82 | 3,034 | 3,077 | 1,118 | 1,946 | 10,105 | 19,280 | 2 | – – | – – | – – | 25,100 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 61.6 | 27.0 | 18.4 | 2.9 | 5.7 | 24.9 | 27.6 | 79.5 | 0.5 | 29.0 | NA | NA | 29.9 | 227.6 | 74.0 | 301.6 |
| 1965 | 64.6 | 48.3 | 27.4 | 4.6 | 6.9 | 25.2 | 35.1 | 99.2 | 0.4 | 36.2 | NA | NA | 36.5 | 285.3 | 87.2 | 372.5 |
| 1970 | 53.9 | 76.9 | 26.3 | 7.1 | 5.3 | 36.5 | 41.5 | 116.8 | 0.1 | 45.0 | NA | NA | 54.9 | 347.6 | R 132.9 | R 480.4 |
| 1975 | 34.7 | 63.2 | 24.9 | 13.7 | 4.1 | 44.3 | 37.8 | 124.8 | 0.1 | 45.1 | NA | NA | 71.2 | 339.1 | R 170.9 | R 509.9 |
| 1980 | 33.6 | 86.6 | 24.1 | 16.8 | 2.7 | 53.2 | 43.4 | 140.2 | (s) | 55.3 | NA | NA | 86.2 | 401.9 | R 207.0 | R 608.9 |
| 1985 | 55.9 | 77.4 | 21.0 | 13.0 | 4.4 | 36.6 | 42.8 | 117.8 | (s) | 64.8 | 0.0 | NA | 89.6 | 405.5 | R 205.3 | R 610.8 |
| 1990 | 74.5 | 88.9 | 20.2 | 13.4 | 4.2 | 32.2 | 59.4 | 129.4 | (s) | 82.8 | 0.0 | 0.0 | 106.7 | 482.4 | R 244.8 | R 727.1 |
| 1995 | 61.6 | 110.3 | 27.0 | 18.5 | 5.1 | 36.3 | 72.4 | 159.4 | 16.9 | 84.9 | 0.0 | 0.0 | 116.2 | 549.2 | R 262.4 | R 811.5 |
| 1996 | 58.7 | 107.9 | 25.5 | 21.3 | 5.2 | 39.5 | 89.3 | 180.8 | 18.0 | 82.7 | 0.0 | 0.0 | 116.5 | 564.6 | R 263.3 | R 827.8 |
| 1997 | 54.1 | 115.6 | 23.4 | 28.3 | 5.4 | 34.9 | 94.4 | 186.4 | 17.3 | 83.8 | 0.0 | 0.0 | 119.7 | 576.9 | R 269.6 | R 846.5 |
| 1998 | 47.2 | 110.9 | 28.1 | 19.5 | 4.8 | 29.1 | 99.8 | 181.3 | 17.0 | 78.9 | 0.0 | 0.0 | 119.4 | 554.6 | R 269.0 | R 823.6 |
| 1999 | 43.9 | 111.1 | 22.9 | 15.3 | 3.4 | 26.0 | 101.6 | 169.2 | 12.0 | 79.6 | 0.0 | 0.0 | 116.6 | 532.4 | R 265.0 | R 797.4 |
| 2000 | 46.7 | 109.8 | 24.5 | 21.0 | 4.2 | 29.7 | 100.7 | 180.1 | 9.5 | 80.6 | 0.0 | 0.0 | 116.9 | 543.6 | R 264.3 | R 807.9 |
| 2001 | 45.6 | 92.6 | 27.2 | 19.4 | 10.5 | 21.3 | 89.1 | 167.6 | 7.6 | 82.3 | 0.0 | 0.0 | 112.4 | 508.1 | R 248.9 | R 757.0 |
| 2002 | 42.2 | 101.9 | 19.9 | 16.5 | 10.2 | 19.5 | 86.1 | 152.2 | 10.8 | 71.4 | 0.0 | 0.0 | 107.1 | 485.6 | R 237.3 | R 722.9 |
| 2003 | 42.1 | 92.2 | 20.0 | 11.2 | 8.7 | 24.6 | 83.3 | 147.8 | 8.9 | 89.9 | 0.0 | 0.0 | 103.4 | 484.3 | R 226.9 | R 711.2 |
| 2004 | 38.1 | 93.3 | 20.3 | 10.2 | 10.3 | 32.9 | 92.8 | 166.5 | 6.9 | 65.9 | 0.0 | 0.0 | 106.0 | 476.8 | R 233.2 | R 710.0 |
| 2005 | 36.9 | 90.0 | 24.9 | 15.4 | 9.6 | 30.9 | 87.3 | 168.1 | 7.2 | 65.7 | 0.0 | 0.0 | 102.7 | 470.7 | R 223.3 | R 694.0 |
| 2006 | 32.2 | 90.2 | 22.8 | 18.2 | 10.1 | 24.3 | R 85.1 | R 160.6 | 4.9 | R 73.5 | 0.0 | 0.0 | 99.8 | R 461.2 | R 214.6 | R 675.8 |
| 2007 | 30.1 | 91.7 | 22.8 | 15.9 | 7.2 | 19.7 | R 84.6 | R 150.4 | (s) | R 56.4 | 0.0 | 0.0 | 98.9 | R 427.5 | R 212.1 | R 639.6 |
| 2008 | 27.9 | 92.0 | R 16.0 | R 10.1 | 5.9 | 18.4 | R 71.9 | R 122.3 | (s) | R 84.6 | 0.0 | 0.0 | 94.8 | R 421.6 | R 202.8 | R 624.4 |
| 2009 | 22.8 | 84.4 | 17.7 | 10.9 | 5.8 | 12.2 | 59.8 | 106.4 | (s) | 67.2 | 0.0 | 0.0 | 85.6 | 366.5 | 180.2 | 546.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 42 | 2 | 692 | 3,187 | 3,401 | 5 | 545 | 34,580 | 494 | 42,905 | 0 | – – | – – | – – |
| 1965 | 8 | 4 | 714 | 4,458 | 3,649 | 17 | 578 | 41,551 | 581 | 51,548 | 0 | – – | – – | – – |
| 1970 | 4 | 6 | 151 | 6,301 | 4,702 | 65 | 523 | 54,989 | 345 | 67,077 | 0 | – – | – – | – – |
| 1975 | (s) | 4 | 219 | 8,207 | 3,809 | 108 | 498 | 65,739 | 263 | 78,844 | 0 | – – | – – | – – |
| 1980 | 0 | 6 | 215 | 10,707 | 5,209 | 50 | 635 | 64,918 | 99 | 81,834 | 0 | – – | – – | – – |
| 1985 | 0 | 5 | 174 | 13,827 | 6,668 | 183 | 578 | 69,392 | 97 | 90,917 | 0 | – – | – – | – – |
| 1990 | 0 | 6 | 213 | 15,804 | 5,567 | 160 | 650 | 75,937 | 513 | 98,844 | 0 | – – | – – | – – |
| 1995 | 0 | 6 | 139 | 19,855 | 4,947 | 141 | 620 | 85,383 | 299 | 111,384 | 0 | – – | – – | – – |
| 1996 | 0 | 7 | 148 | 20,539 | 9,127 | 131 | 602 | 86,832 | 328 | 117,707 | 0 | – – | – – | – – |
| 1997 | 0 | 7 | 159 | 21,909 | 7,156 | 122 | 636 | 89,716 | 277 | 119,973 | 0 | – – | – – | – – |
| 1998 | 0 | 7 | 138 | 22,240 | 6,761 | 211 | 665 | 92,908 | 148 | 123,071 | 0 | – – | – – | – – |
| 1999 | 0 | 7 | 187 | 21,635 | 6,802 | 72 | 672 | 96,454 | 132 | 125,953 | 0 | – – | – – | – – |
| 2000 | 0 | 7 | 140 | 24,918 | 7,277 | 98 | 662 | 96,699 | 128 | 129,923 | 0 | – – | – – | – – |
| 2001 | 0 | 7 | 151 | 24,827 | 6,051 | 58 | 607 | 96,436 | 104 | 128,234 | 0 | – – | – – | – – |
| 2002 | 0 | 6 | 91 | 25,061 | 4,825 | 134 | 600 | 98,410 | 798 | 129,919 | 0 | – – | – – | – – |
| 2003 | 0 | 6 | 141 | 25,071 | 5,246 | 128 | 554 | 99,788 | 782 | 131,710 | 0 | – – | – – | – – |
| 2004 | 0 | 5 | 108 | 27,964 | 5,397 | 138 | 562 | 101,987 | 401 | 136,557 | 0 | – – | – – | – – |
| 2005 | 0 | 4 | 128 | 27,724 | 7,366 | 1,247 | 559 | 102,026 | 421 | 139,472 | (s) | – – | – – | – – |
| 2006 | 0 | 5 | 107 | 27,801 | 5,323 | 1,173 | 544 | 102,895 | 193 | 138,036 | (s) | – – | – – | – – |
| 2007 | 0 | 5 | 96 | 27,561 | 7,161 | 900 | 562 | 105,333 | 590 | 142,202 | (s) | – – | – – | – – |
| 2008 | 0 | 5 | 118 | R 25,017 | 5,225 | R 1,528 | 522 | 111,718 | 752 | R 144,879 | 5 | – – | – – | – – |
| 2009 | 0 | 6 | 68 | 24,611 | 1,854 | 1,135 | 469 | 102,815 | 717 | 131,669 | 7 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.1 | 2.5 | 3.5 | 18.6 | 18.2 | (s) | 3.3 | 181.6 | 3.1 | 228.4 | 0.0 | 232.0 | 0.0 | 232.0 |
| 1965 | 0.2 | 4.4 | 3.6 | 26.0 | 19.7 | 0.1 | 3.5 | 218.3 | 3.7 | 274.8 | 0.0 | 279.4 | 0.0 | 279.4 |
| 1970 | 0.1 | 6.3 | 0.8 | 36.7 | 25.7 | 0.2 | 3.2 | 288.9 | 2.2 | 357.7 | 0.0 | 364.0 | 0.0 | 364.0 |
| 1975 | (s) | 3.6 | 1.1 | 47.8 | 20.8 | 0.4 | 3.0 | 345.3 | 1.7 | 420.1 | 0.0 | 423.8 | 0.0 | 423.8 |
| 1980 | 0.0 | 5.9 | 1.1 | 62.4 | 28.7 | 0.2 | 3.8 | 341.0 | 0.6 | 437.8 | 0.0 | 443.7 | 0.0 | 443.7 |
| 1985 | 0.0 | 4.9 | 0.9 | 80.5 | 37.0 | 0.7 | 3.5 | 364.5 | 0.6 | 487.7 | 0.0 | 493.4 | 0.0 | 493.4 |
| 1990 | 0.0 | 6.5 | 1.1 | 92.1 | 30.8 | 0.6 | 3.9 | 398.9 | 3.2 | 530.6 | 0.0 | 537.1 | 0.0 | 537.1 |
| 1995 | 0.0 | 6.3 | 0.7 | 115.7 | 28.0 | 0.5 | 3.8 | 445.3 | 1.9 | 595.8 | 0.0 | 602.1 | 0.0 | 602.1 |
| 1996 | 0.0 | 7.7 | 0.7 | 119.6 | 51.7 | 0.5 | 3.6 | 452.9 | 2.1 | 631.2 | 0.0 | 638.9 | 0.0 | 638.9 |
| 1997 | 0.0 | 7.6 | 0.8 | 127.6 | 40.6 | 0.4 | 3.9 | 467.7 | 1.7 | 642.7 | 0.0 | 650.3 | 0.0 | 650.3 |
| 1998 | 0.0 | 7.0 | 0.7 | 129.5 | 38.3 | 0.8 | 4.0 | 484.2 | 0.9 | 658.5 | 0.0 | 665.5 | 0.0 | 665.5 |
| 1999 | 0.0 | 6.8 | 0.9 | 126.0 | 38.6 | 0.3 | 4.1 | 502.6 | 0.8 | 673.3 | 0.0 | 680.1 | 0.0 | 680.1 |
| 2000 | 0.0 | 7.4 | 0.7 | 145.1 | 41.3 | 0.4 | 4.0 | 503.8 | 0.8 | 696.1 | 0.0 | 703.5 | 0.0 | 703.5 |
| 2001 | 0.0 | 6.9 | 0.8 | 144.6 | 34.3 | 0.2 | 3.7 | 502.4 | 0.7 | 686.7 | 0.0 | 693.6 | 0.0 | 693.6 |
| 2002 | 0.0 | 6.3 | 0.5 | 146.0 | 27.4 | 0.5 | 3.6 | 512.5 | 5.0 | 695.5 | 0.0 | 701.8 | 0.0 | 701.8 |
| 2003 | 0.0 | 6.4 | 0.7 | 146.0 | 29.7 | 0.5 | 3.4 | 519.6 | 4.9 | 704.8 | 0.0 | 711.3 | 0.0 | 711.3 |
| 2004 | 0.0 | 5.2 | 0.5 | 162.9 | 30.6 | 0.5 | 3.4 | 531.9 | 2.5 | 732.3 | 0.0 | 737.6 | 0.0 | 737.6 |
| 2005 | 0.0 | 4.5 | 0.6 | 161.5 | 41.8 | 4.5 | 3.4 | 532.4 | 2.6 | 746.8 | (s) | 751.3 | (s) | 751.3 |
| 2006 | 0.0 | 4.8 | 0.5 | 161.9 | 30.2 | 4.2 | 3.3 | 536.9 | 1.2 | 738.3 | (s) | 743.2 | (s) | 743.2 |
| 2007 | 0.0 | 5.2 | 0.5 | 160.5 | 40.6 | 3.2 | 3.4 | 549.7 | 3.7 | 761.7 | (s) | 766.9 | (s) | 766.9 |
| 2008 | 0.0 | 5.5 | 0.6 | R 145.7 | 29.6 | R 5.5 | 3.2 | 582.9 | 4.7 | R 772.3 | (s) | R 777.8 | (s) | R 777.8 |
| 2009 | 0.0 | 6.0 | 0.3 | 143.4 | 10.5 | 4.0 | 2.8 | 536.5 | 4.5 | 702.1 | (s) | 708.1 | (s) | 708.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, North Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 5,488 | 5 | 19 | 60 | 0 | 79 | 0 | 4,951 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 9,595 | 3 | 16 | 53 | 0 | 70 | 0 | 5,349 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 17,709 | 21 | 445 | 1,432 | 0 | 1,877 | 0 | 4,363 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 18,206 | (s) | 237 | 93 | 0 | 330 | 1,405 | 7,050 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 23,920 | 2 | (s) | 561 | 0 | 561 | 5,775 | 5,483 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 19,610 | 1 | 0 | 443 | 0 | 443 | 19,303 | 4,091 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 19,444 | 3 | 0 | 390 | 0 | 390 | 25,905 | 6,792 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 23,774 | 6 | 0 | 533 | 0 | 533 | 35,910 | 3,871 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 27,272 | 4 | 4 | 597 | 0 | 601 | 33,718 | 4,198 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 28,509 | 6 | (s) | 509 | 6 | 515 | 32,453 | 3,914 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 28,235 | 14 | 0 | 657 | 99 | 755 | 38,778 | 4,062 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 27,838 | 12 | 0 | 672 | 0 | 672 | 37,524 | 2,500 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 29,496 | 13 | 0 | 1,169 | 0 | 1,169 | 39,127 | 2,192 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 28,649 | 16 | 0 | 879 | 0 | 879 | 37,775 | 1,861 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 29,478 | 32 | 0 | 813 | 0 | 813 | 39,627 | 2,421 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 29,403 | 14 | 0 | 1,158 | 0 | 1,158 | 40,907 | 6,329 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 29,922 | 21 | 0 | 649 | 0 | 649 | 40,091 | 4,731 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 31,303 | 27 | 0 | 548 | 0 | 548 | 39,982 | 4,656 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 30,456 | 28 | 0 | 473 | 0 | 473 | 39,963 | 3,333 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 32,412 | 40 | 0 | 525 | 0 | 525 | 40,045 | 2,975 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 31,116 | 36 | 0 | 477 | 0 | 477 | 39,776 | 3,024 | – – | 0 | 2 | 0 | 0 | – – |
| 2009 | 26,427 | 40 | 0 | 484 | 0 | 484 | 40,848 | 5,155 | – – | 0 | 5 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 144.0 | 4.8 | 0.1 | 0.4 | 0.0 | 0.5 | 0.0 | 53.3 | 0.0 | 0.0 | NA | NA | 0.0 | 202.6 |
| 1965 | 247.7 | 3.0 | 0.1 | 0.3 | 0.0 | 0.4 | 0.0 | 55.9 | 0.0 | 0.0 | NA | NA | 0.0 | 307.0 |
| 1970 | 427.0 | 21.6 | 2.8 | 8.3 | 0.0 | 11.1 | 0.0 | 45.8 | 0.0 | 0.0 | NA | NA | 0.0 | 505.6 |
| 1975 | 433.1 | 0.1 | 1.5 | 0.5 | 0.0 | 2.0 | 15.5 | 73.4 | 0.0 | 0.0 | NA | NA | 0.0 | 524.1 |
| 1980 | 586.9 | 1.8 | (s) | 3.3 | 0.0 | 3.3 | 63.0 | 57.0 | 0.0 | 0.0 | NA | NA | 0.0 | 711.9 |
| 1985 | 489.8 | 0.6 | 0.0 | 2.6 | 0.0 | 2.6 | 205.0 | 42.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 740.7 |
| 1990 | 489.8 | 2.9 | 0.0 | 2.3 | 0.0 | 2.3 | 274.1 | 70.7 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 841.5 |
| 1995 | 595.7 | 5.8 | 0.0 | 3.1 | 0.0 | 3.1 | 377.3 | 39.9 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,028.3 |
| 1996 | 680.4 | 3.7 | (s) | 3.5 | 0.0 | 3.5 | 354.1 | 43.4 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,091.1 |
| 1997 | 707.0 | 6.1 | (s) | 3.0 | (s) | 3.0 | 340.6 | 40.0 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,102.9 |
| 1998 | 701.8 | 14.0 | 0.0 | 3.8 | 0.6 | 4.4 | 406.8 | 41.4 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,175.4 |
| 1999 | 694.5 | 12.7 | 0.0 | 3.9 | 0.0 | 3.9 | 392.1 | 25.6 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,135.4 |
| 2000 | 736.4 | 13.2 | 0.0 | 6.8 | 0.0 | 6.8 | 408.1 | 22.4 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,193.4 |
| 2001 | 707.5 | 16.6 | 0.0 | 5.1 | 0.0 | 5.1 | 394.5 | 19.2 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,149.5 |
| 2002 | 725.5 | 32.2 | 0.0 | 4.7 | 0.0 | 4.7 | 413.8 | 24.6 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,207.2 |
| 2003 | 726.2 | 14.4 | 0.0 | 6.7 | 0.0 | 6.7 | 426.3 | 64.8 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,244.7 |
| 2004 | 735.8 | 21.6 | 0.0 | 3.8 | 0.0 | 3.8 | 418.0 | 47.4 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,233.3 |
| 2005 | 771.2 | 27.4 | 0.0 | 3.2 | 0.0 | 3.2 | 417.2 | 46.6 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1,272.9 |
| 2006 | 742.8 | 28.7 | 0.0 | 2.8 | 0.0 | 2.8 | 417.1 | 33.1 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,232.8 |
| 2007 | 796.7 | 40.7 | 0.0 | 3.1 | 0.0 | 3.1 | 419.9 | 29.4 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,298.3 |
| 2008 | 760.1 | 36.4 | 0.0 | 2.8 | 0.0 | 2.8 | 415.8 | 29.8 | 7.9 | 0.0 | (s) | 0.0 | 0.0 | 1,252.8 |
| 2009 | 650.4 | 40.2 | 0.0 | 2.8 | 0.0 | 2.8 | 427.3 | 50.3 | 11.0 | 0.0 | (s) | 0.0 | 0.0 | 1,182.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, North Dakota

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 2,100 | 26 | 3,773 | 2,103 | 1,212 | 7,719 | 687 | 3,089 | 18,583 | 0 | 1,060 | NA |
| 1965 | 1,719 | 32 | 5,170 | 2,069 | 1,154 | 8,212 | 868 | 2,054 | 19,526 | 0 | 2,497 | NA |
| 1970 | 4,186 | 33 | 4,975 | 2,074 | 1,719 | 8,766 | 728 | 2,879 | 21,141 | 0 | 2,815 | NA |
| 1971 | 5,049 | 34 | 4,923 | 2,225 | 1,709 | 9,182 | 654 | 3,166 | 21,859 | 0 | 3,235 | NA |
| 1972 | 5,434 | 36 | 5,206 | 2,044 | 1,832 | 9,575 | 777 | 2,673 | 22,107 | 0 | 3,095 | NA |
| 1973 | 5,272 | 32 | 4,750 | 1,857 | 1,607 | 9,993 | 899 | 3,009 | 22,115 | 0 | 2,382 | NA |
| 1974 | 5,696 | 35 | 4,421 | 1,941 | 1,584 | 9,630 | 1,174 | 2,769 | 21,519 | 0 | 2,729 | NA |
| 1975 | 5,100 | 37 | 4,446 | 1,855 | 1,580 | 10,044 | 1,089 | 2,463 | 21,477 | 0 | 3,345 | NA |
| 1976 | 6,924 | 41 | 4,079 | 1,800 | 1,663 | 10,411 | 1,033 | 2,484 | 21,471 | 0 | 3,272 | NA |
| 1977 | 8,073 | 38 | 4,097 | 1,905 | 1,594 | 10,430 | 955 | 2,271 | 21,252 | 0 | 1,994 | NA |
| 1978 | 9,706 | 39 | 4,229 | 1,837 | 1,962 | 10,782 | 906 | 2,608 | 22,324 | 0 | 3,034 | NA |
| 1979 | 11,099 | 29 | 8,323 | 1,824 | 1,711 | 9,795 | 910 | 2,307 | 24,871 | 0 | 2,736 | NA |
| 1980 | 12,346 | 23 | 8,139 | 1,702 | 1,302 | 9,167 | 716 | 2,057 | 23,083 | 0 | 2,513 | NA |
| 1981 | 13,018 | 34 | 7,689 | 1,629 | 1,451 | 9,523 | 1,119 | 1,657 | 23,069 | 0 | 2,250 | 31 |
| 1982 | 14,977 | 28 | 7,248 | 1,583 | 1,446 | 9,340 | 1,129 | 1,672 | 22,418 | 0 | 2,553 | 15 |
| 1983 | 16,190 | 26 | 6,867 | 1,495 | 1,455 | 9,017 | 1,508 | 2,204 | 22,546 | 0 | 2,377 | 10 |
| 1984 | 19,656 | 30 | 7,743 | 1,707 | 477 | 8,867 | 1,006 | 2,143 | 21,944 | 0 | 2,362 | 12 |
| 1985 | 22,958 | 28 | 7,637 | 1,682 | 549 | 8,822 | 505 | 2,051 | 21,246 | 0 | 2,173 | 69 |
| 1986 | 23,587 | 25 | 7,548 | 1,646 | 1,730 | 8,580 | 377 | 1,947 | 21,827 | 0 | 2,326 | 142 |
| 1987 | 24,101 | 25 | 7,172 | 1,254 | 1,773 | 8,837 | 355 | 2,066 | 21,458 | 0 | 1,982 | 153 |
| 1988 | 28,029 | 29 | 6,943 | 1,315 | 1,606 | 8,588 | 349 | 2,300 | 21,101 | 0 | 1,884 | 108 |
| 1989 | 27,401 | 30 | 7,550 | 1,336 | 1,747 | 8,398 | 294 | 2,297 | 21,622 | 0 | 1,893 | 110 |
| 1990 | 28,114 | 32 | 7,219 | 1,178 | 1,426 | 8,151 | 326 | 2,168 | 20,468 | 0 | 1,711 | 85 |
| 1991 | 28,597 | 40 | 7,377 | 964 | 2,025 | 8,255 | 304 | 1,965 | 20,891 | 0 | 1,757 | 127 |
| 1992 | 30,301 | 37 | 6,926 | 1,405 | 1,771 | 8,233 | 287 | 2,840 | 21,463 | 0 | 1,699 | 148 |
| 1993 | 30,302 | 40 | 7,363 | 1,254 | 1,369 | 8,482 | 394 | 2,253 | 21,114 | 0 | 1,415 | 147 |
| 1994 | 30,363 | 43 | 7,736 | 846 | 1,316 | 8,387 | 338 | 2,631 | 21,254 | 0 | 1,856 | 174 |
| 1995 | 30,237 | 45 | 8,005 | 333 | 1,754 | 8,650 | 164 | 2,141 | 21,047 | 0 | 2,457 | 164 |
| 1996 | 30,511 | 49 | 8,334 | 246 | 2,226 | 8,683 | 135 | 2,391 | 22,015 | 0 | 3,151 | 122 |
| 1997 | 29,360 | 56 | 8,034 | 189 | 2,534 | 8,628 | 187 | 2,698 | 22,270 | 0 | 3,320 | 119 |
| 1998 | 31,060 | 50 | 7,181 | 211 | 1,976 | 8,681 | 44 | 2,751 | 20,844 | 0 | 2,296 | 116 |
| 1999 | 31,276 | 56 | 7,548 | 405 | 2,675 | 8,711 | 61 | 3,451 | 22,850 | 0 | 2,609 | 123 |
| 2000 | 31,902 | 57 | 7,805 | 413 | 3,354 | 8,512 | 78 | 2,375 | 22,538 | 0 | 2,123 | 149 |
| 2001 | 31,524 | 61 | 8,869 | 751 | 5,426 | 8,478 | 69 | 2,838 | 26,430 | 0 | 1,332 | 179 |
| 2002 | 31,984 | 67 | 8,202 | 528 | 3,406 | 8,554 | 101 | 2,538 | 23,330 | 0 | 1,593 | 228 |
| 2003 | 31,970 | 61 | 8,298 | 558 | 2,775 | 8,675 | 143 | 2,172 | 22,621 | 0 | 1,724 | 273 |
| 2004 | 30,079 | 60 | 9,405 | 1,093 | 3,311 | 8,603 | 63 | 2,490 | 24,965 | 0 | 1,546 | 243 |
| 2005 | 32,044 | 53 | 9,798 | 646 | 3,370 | 8,716 | 256 | 2,908 | 25,694 | 0 | 1,342 | 530 |
| 2006 | 31,073 | 53 | 9,966 | 735 | 2,766 | 8,455 | 105 | R 3,405 | R 25,432 | 0 | 1,521 | 512 |
| 2007 | 31,340 | 59 | 11,934 | 710 | 3,023 | 8,648 | 94 | R 2,098 | R 26,506 | 0 | 1,305 | 626 |
| 2008 | 31,376 | 63 | R 12,103 | 613 | 2,847 | 8,703 | 95 | R 1,922 | R 26,283 | 0 | 1,253 | 755 |
| 2009 | 31,183 | 55 | 9,632 | 687 | 2,950 | 8,940 | 35 | 1,812 | 24,056 | 0 | 1,475 | 800 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 30.5 | 27.4 | 22.0 | 11.3 | 4.9 | 40.5 | 4.3 | 18.9 | 101.9 | 159.8 | *27.4* | *40.5* |
| 1965 | 24.7 | 32.4 | 30.1 | 11.1 | 4.6 | 43.1 | 5.5 | 12.7 | 107.1 | 164.3 | *32.4* | *43.1* |
| 1970 | 57.5 | 33.7 | 29.0 | 11.2 | 6.5 | 46.0 | 4.6 | 18.0 | 115.3 | 206.5 | *33.7* | *46.0* |
| 1971 | 67.7 | 34.6 | 28.7 | 12.0 | 6.4 | 48.2 | 4.1 | 19.9 | 119.4 | 221.7 | *34.6* | *48.2* |
| 1972 | 72.8 | 37.6 | 30.3 | 11.0 | 6.9 | 50.3 | 4.9 | 16.7 | 120.1 | 230.5 | *37.6* | *50.3* |
| 1973 | 71.1 | 33.2 | 27.7 | 10.0 | 6.0 | 52.5 | 5.7 | 18.9 | 120.8 | 225.1 | *33.2* | *52.5* |
| 1974 | 76.5 | 35.5 | 25.7 | 10.5 | 5.9 | 50.6 | 7.4 | 17.4 | 117.5 | 229.5 | *35.5* | *50.6* |
| 1975 | 67.9 | 36.9 | 25.9 | 10.0 | 5.9 | 52.8 | 6.8 | 15.4 | 116.8 | 221.6 | *36.9* | *52.8* |
| 1976 | 91.5 | 41.2 | 23.8 | 9.7 | 6.2 | 54.7 | 6.5 | 15.5 | 116.4 | 249.0 | *41.2* | *54.7* |
| 1977 | 107.3 | 37.6 | 23.9 | 10.3 | 5.9 | 54.8 | 6.0 | 14.1 | 115.0 | 259.9 | *37.6* | *54.8* |
| 1978 | 129.8 | 39.1 | 24.6 | 9.9 | 7.2 | 56.6 | 5.7 | 16.3 | 120.4 | 289.2 | *39.1* | *56.6* |
| 1979 | 148.1 | 29.2 | 48.5 | 9.9 | 6.3 | 51.5 | 5.7 | 14.4 | 136.2 | 313.5 | *29.2* | *51.5* |
| 1980 | 163.3 | 23.8 | 47.4 | 9.2 | 4.8 | 48.2 | 4.5 | 12.8 | 126.8 | 314.0 | *24.0* | *48.2* |
| 1981 | 172.4 | 35.5 | 44.8 | 8.8 | 5.3 | 50.0 | 7.0 | 10.5 | 126.5 | 334.4 | *35.9* | *50.0* |
| 1982 | 198.9 | 29.0 | 42.2 | 8.5 | 5.2 | 49.1 | 7.1 | 10.6 | 122.8 | 350.7 | *29.1* | *49.1* |
| 1983 | 213.4 | 27.3 | 40.0 | 8.1 | 5.3 | 47.4 | 9.5 | 14.0 | 124.2 | 364.9 | *27.3* | *47.4* |
| 1984 | 256.7 | 22.9 | 45.1 | 9.2 | 1.7 | 46.6 | 6.3 | 13.6 | 122.5 | 402.0 | *31.6* | *46.6* |
| 1985 | 302.0 | 25.6 | 44.5 | 9.1 | 2.0 | 46.3 | 3.2 | 13.1 | 118.2 | 445.7 | *29.8* | *46.3* |
| 1986 | 310.9 | 21.4 | 44.0 | 8.9 | 6.3 | 45.1 | 2.4 | 12.4 | 119.0 | 451.2 | *26.6* | *45.1* |
| 1987 | 319.3 | 20.6 | 41.8 | 6.8 | 6.5 | 46.4 | 2.2 | 13.1 | 116.8 | 456.7 | *26.0* | *46.4* |
| 1988 | 369.8 | 25.0 | 40.4 | 7.1 | 5.9 | 45.1 | 2.2 | 14.5 | 115.2 | 510.0 | *30.2* | *45.1* |
| 1989 | 363.8 | 25.9 | 44.0 | 7.2 | 6.4 | 44.1 | 1.8 | 14.4 | 118.0 | 507.7 | *31.6* | *44.1* |
| 1990 | 374.5 | 28.0 | 42.1 | 6.4 | 5.2 | 42.8 | 2.1 | 13.5 | 112.0 | 514.6 | *33.5* | *42.8* |
| 1991 | 378.9 | 36.1 | 43.0 | 5.2 | 7.3 | 43.4 | 1.9 | 12.3 | 113.1 | 528.2 | *41.6* | *43.4* |
| 1992 | 399.2 | 32.1 | 40.3 | 7.6 | 6.4 | 43.3 | 1.8 | 18.0 | 117.4 | 548.7 | *38.3* | *43.3* |
| 1993 | 399.9 | 36.3 | 42.9 | 6.8 | 4.9 | 44.0 | 2.5 | 14.1 | 115.2 | 551.4 | *42.4* | *44.6* |
| 1994 | 402.5 | 39.3 | 45.1 | 4.6 | 4.8 | R 43.3 | 2.1 | 16.6 | 116.4 | 558.2 | *45.4* | *43.9* |
| 1995 | 399.8 | 41.7 | 46.6 | 1.9 | 6.4 | 44.5 | 1.0 | 13.3 | R 113.8 | 555.2 | *47.7* | *45.1* |
| 1996 | 404.0 | 45.7 | 48.5 | 1.4 | 8.0 | 44.9 | 0.9 | 14.9 | 118.6 | 568.3 | *51.6* | *45.3* |
| 1997 | 386.0 | 53.7 | 46.8 | 1.1 | 9.2 | 44.6 | 1.2 | 17.0 | 119.7 | 559.4 | *59.3* | *45.0* |
| 1998 | 409.2 | 45.8 | 41.8 | 1.2 | 7.1 | 44.8 | 0.3 | 17.4 | 112.7 | 567.7 | *51.4* | *45.2* |
| 1999 | 411.3 | 53.4 | 44.0 | 2.3 | 9.7 | 45.0 | 0.4 | 22.0 | 123.3 | 588.0 | *59.0* | *45.4* |
| 2000 | 424.6 | 53.4 | 45.5 | 2.3 | 12.1 | 43.8 | 0.5 | 15.0 | 119.2 | 597.2 | *58.5* | *44.3* |
| 2001 | 420.0 | 57.3 | 51.7 | 4.3 | 19.6 | 43.5 | 0.4 | 17.8 | 137.3 | R 614.7 | *62.6* | *44.2* |
| 2002 | 422.8 | 61.6 | 47.8 | 3.0 | 12.3 | R 43.8 | 0.6 | 15.9 | 123.4 | 607.8 | *66.9* | *44.5* |
| 2003 | 420.8 | 56.1 | 48.3 | 3.2 | 10.1 | 44.2 | 0.9 | 13.4 | 120.1 | 597.0 | *61.5* | *45.2* |
| 2004 | 398.4 | 56.4 | 54.8 | 6.2 | 12.0 | 44.0 | 0.4 | 15.5 | 132.9 | 587.7 | *61.2* | *44.9* |
| 2005 | 431.1 | 49.6 | 57.1 | 3.7 | 12.2 | 43.6 | 1.6 | 18.3 | 136.4 | 617.2 | *55.0* | *45.5* |
| 2006 | 414.8 | 50.0 | 58.1 | 4.2 | 10.0 | 42.3 | 0.7 | R 21.5 | R 136.7 | R 601.6 | *55.7* | *44.1* |
| 2007 | 420.7 | 56.9 | 69.5 | 4.0 | 10.9 | R 43.0 | 0.6 | R 12.9 | R 140.8 | R 618.4 | *62.2* | *45.1* |
| 2008 | 424.6 | 60.5 | R 70.5 | 3.5 | 10.3 | R 42.8 | 0.6 | R 11.8 | R 139.4 | R 624.5 | *65.7* | *45.4* |
| 2009 | 423.3 | 51.9 | 56.1 | 3.9 | 10.5 | 43.9 | 0.2 | 11.1 | 125.7 | 600.9 | *57.6* | *46.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 11.4 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 11.9 | -12.0 | 0.0 | 159.6 |
| 1965 | 0.0 | 26.1 | 0.3 | NA | NA | 0.3 | 0.0 | NA | NA | 26.4 | -21.1 | (s) | 169.6 |
| 1970 | 0.0 | 29.5 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 29.9 | R -46.4 | 1.0 | R 191.0 |
| 1971 | 0.0 | 33.9 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 34.3 | -63.1 | 2.3 | 195.2 |
| 1972 | 0.0 | 32.1 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 32.5 | -62.2 | 2.9 | 203.7 |
| 1973 | 0.0 | 24.7 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 25.1 | R -51.5 | 3.4 | 202.1 |
| 1974 | 0.0 | 28.5 | 0.4 | NA | NA | 0.4 | 0.0 | NA | NA | 28.9 | R -58.8 | 4.6 | R 204.2 |
| 1975 | 0.0 | 34.8 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 35.3 | -54.4 | 4.0 | R 206.4 |
| 1976 | 0.0 | 33.9 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 34.4 | R -74.7 | 1.5 | R 210.3 |
| 1977 | 0.0 | 20.8 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 21.3 | R -69.6 | -1.5 | R 210.2 |
| 1978 | 0.0 | 31.4 | 0.5 | NA | NA | 0.5 | 0.0 | NA | NA | 32.0 | R -98.8 | 7.4 | R 229.8 |
| 1979 | 0.0 | 28.3 | 0.6 | NA | NA | 0.6 | 0.0 | NA | NA | 28.9 | R -115.6 | 11.2 | R 238.0 |
| 1980 | 0.0 | 26.1 | 2.4 | NA | NA | 2.4 | 0.0 | NA | NA | 28.6 | R -129.9 | 9.7 | R 222.4 |
| 1981 | 0.0 | 23.5 | 2.2 | 0.1 | 0.1 | 2.5 | 0.0 | NA | NA | 26.0 | R -134.5 | 10.3 | R 236.1 |
| 1982 | 0.0 | 26.7 | 2.6 | 0.1 | 0.5 | 3.2 | 0.0 | NA | NA | 29.9 | R -161.6 | 15.7 | R 234.7 |
| 1983 | 0.0 | 25.0 | 2.4 | (s) | 0.9 | 3.4 | 0.0 | NA | 0.0 | 28.4 | R -182.1 | 19.3 | R 230.5 |
| 1984 | 0.0 | 24.7 | 3.0 | (s) | 1.1 | 4.2 | 0.0 | 0.0 | 0.0 | 28.8 | R -187.5 | 16.2 | R 259.6 |
| 1985 | 0.0 | 22.7 | 3.1 | 0.2 | 1.2 | 4.5 | 0.0 | 0.0 | (s) | 27.2 | R -181.5 | 9.0 | R 300.4 |
| 1986 | 0.0 | 24.3 | 3.0 | 0.5 | 1.2 | 4.7 | 0.0 | 0.0 | (s) | 29.0 | R -179.7 | 3.3 | R 303.9 |
| 1987 | 0.0 | 20.7 | 2.5 | 0.5 | 1.3 | 4.4 | 0.0 | 0.0 | (s) | 25.1 | R -183.5 | 4.7 | R 302.9 |
| 1988 | 0.0 | 19.4 | 2.7 | 0.4 | 1.3 | 4.4 | 0.0 | 0.0 | 0.0 | 23.9 | R -228.7 | 1.3 | R 306.5 |
| 1989 | 0.0 | 19.7 | 2.8 | 0.4 | 1.2 | 4.4 | 0.1 | (s) | 0.0 | 24.2 | R -213.1 | 0.2 | R 319.1 |
| 1990 | 0.0 | 17.8 | 1.9 | 0.3 | 1.0 | 3.3 | 0.1 | (s) | 0.0 | 21.2 | R -225.7 | 0.1 | R 310.1 |
| 1991 | 0.0 | 18.3 | 2.0 | 0.4 | 1.2 | 3.7 | 0.1 | (s) | 0.0 | 22.1 | R -230.9 | 0.6 | R 319.9 |
| 1992 | 0.0 | 17.6 | 2.1 | 0.5 | 1.1 | 3.7 | 0.1 | (s) | 0.0 | 21.4 | R -245.2 | 2.3 | R 327.2 |
| 1993 | 0.0 | 14.6 | 1.8 | 0.5 | 1.2 | R 3.5 | 0.1 | (s) | 0.0 | 18.3 | R -242.2 | 3.6 | R 331.2 |
| 1994 | 0.0 | 19.2 | 2.3 | 0.6 | 1.3 | 4.2 | 0.1 | (s) | 0.0 | 23.5 | R -244.9 | 3.3 | R 340.2 |
| 1995 | 0.0 | 25.3 | 2.6 | 0.6 | 1.3 | R 4.4 | 0.1 | (s) | 0.0 | 29.9 | R -239.4 | 2.5 | R 348.2 |
| 1996 | 0.0 | 32.6 | 2.4 | 0.4 | 0.5 | 3.4 | 0.2 | (s) | 0.0 | 36.1 | R -255.7 | 3.0 | R 351.6 |
| 1997 | 0.0 | 33.9 | 2.3 | 0.4 | 0.9 | 3.6 | 0.2 | (s) | 0.0 | 37.7 | R -241.3 | 0.4 | R 356.2 |
| 1998 | 0.0 | 23.4 | 2.2 | 0.4 | 1.1 | 3.7 | 0.2 | (s) | 0.0 | 27.3 | R -250.6 | -0.7 | R 343.7 |
| 1999 | 0.0 | 26.7 | 2.4 | 0.4 | 1.0 | 3.8 | 0.2 | (s) | 0.0 | 30.7 | R -246.2 | -0.5 | R 372.0 |
| 2000 | 0.0 | 21.7 | 2.6 | 0.5 | 1.2 | 4.3 | 0.2 | (s) | 0.0 | 26.2 | R -246.7 | 2.2 | R 378.9 |
| 2001 | 0.0 | 13.8 | 3.5 | 0.6 | 1.3 | 5.5 | 0.3 | (s) | 0.0 | 19.5 | R -232.8 | 1.9 | R 403.3 |
| 2002 | 0.0 | 16.2 | 2.6 | 0.8 | 1.8 | 5.3 | 0.3 | (s) | 0.0 | R 21.7 | R -233.3 | 0.6 | R 396.8 |
| 2003 | 0.0 | 17.7 | 2.7 | 0.9 | 2.1 | 5.8 | 0.4 | (s) | 0.6 | 24.4 | R -226.6 | -1.4 | R 393.4 |
| 2004 | 0.0 | 15.5 | 3.3 | 0.8 | 1.9 | 6.1 | 0.4 | (s) | 2.1 | R 24.1 | R -212.9 | 0.4 | R 399.3 |
| 2005 | 0.0 | 13.4 | R 2.9 | 1.8 | 1.8 | R 6.6 | 0.5 | (s) | 2.2 | R 22.7 | R -238.5 | 5.8 | R 407.2 |
| 2006 | 0.0 | 15.1 | R 2.4 | 1.8 | 1.8 | R 6.0 | 0.5 | (s) | 3.7 | R 25.3 | R -218.6 | 2.6 | R 410.9 |
| 2007 | 0.0 | 12.9 | R 2.1 | 2.2 | 7.9 | R 12.1 | 0.6 | (s) | 6.1 | R 31.7 | R -220.9 | 4.5 | R 433.8 |
| 2008 | 0.0 | 12.3 | R 1.9 | 2.6 | 8.8 | R 13.3 | 0.7 | (s) | 16.7 | R 43.0 | R -230.4 | 2.8 | R 439.9 |
| 2009 | 0.0 | 14.4 | 1.9 | 2.8 | 14.7 | 19.3 | 0.8 | (s) | 29.3 | 63.8 | -240.4 | 2.5 | 426.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 1,086 | 26 | 3,769 | 2,103 | 1,212 | 7,719 | 672 | 3,089 | 18,563 | 0 | – – | – – | – – | – – | 1,153 | – – | – – | – – |
| 1965 | 755 | 32 | 5,169 | 2,069 | 1,154 | 8,212 | 866 | 2,054 | 19,523 | 0 | – – | – – | – – | – – | 1,596 | – – | – – | – – |
| 1970 | 666 | 32 | 4,968 | 2,074 | 1,719 | 8,766 | 702 | 2,879 | 21,109 | 0 | – – | – – | – – | – – | 2,815 | – – | – – | – – |
| 1975 | 723 | 37 | 4,444 | 1,855 | 1,580 | 10,044 | 1,071 | 2,463 | 21,457 | 0 | – – | – – | – – | – – | 3,712 | – – | – – | – – |
| 1980 | 728 | 23 | 8,071 | 1,702 | 1,302 | 9,167 | 716 | 2,057 | 23,015 | 0 | – – | – – | – – | – – | 5,177 | – – | – – | – – |
| 1985 | 5,604 | 28 | 7,563 | 1,682 | 549 | 8,822 | 505 | 2,051 | 21,173 | 0 | – – | – – | – – | – – | 7,026 | – – | – – | – – |
| 1990 | 6,535 | 32 | 7,162 | 1,178 | 1,426 | 8,151 | 326 | 2,168 | 20,411 | 0 | – – | – – | – – | – – | 7,014 | – – | – – | – – |
| 1995 | 7,557 | 45 | 7,906 | 333 | 1,754 | 8,650 | 164 | 2,141 | 20,948 | 0 | – – | – – | – – | – – | 7,883 | – – | – – | – – |
| 2000 | 6,853 | 57 | 7,709 | 413 | 3,354 | 8,512 | 78 | 2,375 | 22,443 | 0 | – – | – – | – – | – – | 9,413 | – – | – – | – – |
| 2001 | 6,729 | 61 | 8,805 | 751 | 5,426 | 8,478 | 69 | 2,838 | 26,366 | 0 | – – | – – | – – | – – | 9,810 | – – | – – | – – |
| 2002 | 6,737 | 67 | 8,137 | 528 | 3,406 | 8,554 | 98 | 2,538 | 23,262 | 0 | – – | – – | – – | – – | 10,219 | – – | – – | – – |
| 2003 | 6,797 | 61 | 8,203 | 558 | 2,775 | 8,675 | 143 | 2,172 | 22,525 | 0 | – – | – – | – – | – – | 10,461 | – – | – – | – – |
| 2004 | 6,164 | 60 | 9,331 | 1,093 | 3,311 | 8,603 | 63 | 2,490 | 24,891 | 0 | – – | – – | – – | – – | 10,516 | – – | – – | – – |
| 2005 | 6,727 | 53 | 9,728 | 646 | 3,370 | 8,716 | 256 | 2,908 | 25,624 | 0 | – – | – – | – – | – – | 10,840 | – – | – – | – – |
| 2006 | 6,775 | 53 | 9,887 | 735 | 2,766 | 8,455 | 105 | 3,405 | 25,354 | 0 | – – | – – | – – | – – | 11,245 | – – | – – | – – |
| 2007 | 6,702 | 59 | 11,838 | 710 | 3,023 | 8,648 | 94 | 2,098 | 26,410 | 0 | – – | – – | – – | – – | 11,906 | – – | – – | – – |
| 2008 | 6,482 | 63 | 12,022 | 613 | 2,847 | 8,703 | 95 | 1,922 | 26,203 | 0 | – – | – – | – – | – – | 12,416 | – – | – – | – – |
| 2009 | 6,590 | 55 | 9,552 | 687 | 2,950 | 8,940 | 35 | 1,812 | 23,976 | 0 | – – | – – | – – | – – | 12,649 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 16.5 | 27.2 | 22.0 | 11.3 | 4.9 | 40.5 | 4.2 | 18.9 | 101.7 | 0.0 | 0.5 | NA | NA | NA | 3.9 | 149.9 | 9.7 | 159.6 |
| 1965 | 11.3 | 32.4 | 30.1 | 11.1 | 4.6 | 43.1 | 5.4 | 12.7 | 107.1 | 0.0 | 0.3 | NA | NA | NA | 5.4 | 156.6 | 13.0 | 169.6 |
| 1970 | 9.4 | 33.4 | 28.9 | 11.2 | 6.5 | 46.0 | 4.4 | 18.0 | 115.1 | 0.0 | 0.4 | NA | NA | NA | 9.6 | 167.8 | 23.2 | 191.0 |
| 1975 | 9.5 | 36.7 | 25.9 | 10.0 | 5.9 | 52.8 | 6.7 | 15.4 | 116.6 | 0.0 | 0.5 | NA | NA | NA | 12.7 | 176.0 | 30.4 | 206.4 |
| 1980 | 9.6 | 24.0 | 47.0 | 9.2 | 4.8 | 48.2 | 4.5 | 12.8 | 126.4 | 0.0 | 2.4 | NA | NA | NA | 17.7 | 179.9 | 42.4 | 222.4 |
| 1985 | 73.7 | 29.8 | 44.1 | 9.1 | 2.0 | 46.3 | 3.2 | 13.1 | 117.7 | 0.0 | 3.1 | 1.2 | NA | NA | 24.0 | 245.5 | 54.9 | 300.4 |
| 1990 | 88.2 | 33.5 | 41.7 | 6.4 | 5.2 | 42.8 | 2.1 | 13.5 | 111.7 | 0.0 | 1.9 | 1.0 | 0.1 | (s) | 23.9 | 255.2 | 54.9 | 310.1 |
| 1995 | 101.1 | 47.7 | 46.1 | 1.9 | 6.4 | 45.1 | 1.0 | 13.3 | 113.8 | 0.0 | 2.6 | 1.3 | 0.1 | (s) | 26.9 | 287.5 | 60.7 | 348.2 |
| 2000 | 97.5 | 58.5 | 44.9 | 2.3 | 12.1 | 44.3 | 0.5 | 15.0 | 119.2 | 0.0 | 2.6 | 1.2 | 0.2 | (s) | 32.1 | 306.2 | 72.6 | 378.9 |
| 2001 | 95.6 | 62.6 | 51.3 | 4.3 | 19.6 | 44.2 | 0.4 | 17.8 | 137.6 | 0.0 | 3.5 | 1.3 | 0.2 | (s) | 33.5 | 329.1 | 74.2 | 403.3 |
| 2002 | 94.5 | 66.9 | 47.4 | 3.0 | 12.3 | 44.5 | 0.6 | 15.9 | 123.8 | 0.0 | 2.6 | 1.8 | 0.3 | (s) | 34.9 | 319.5 | 77.3 | 396.8 |
| 2003 | 97.6 | 61.5 | 47.8 | 3.2 | 10.1 | 45.2 | 0.9 | 13.4 | 120.5 | 0.0 | 2.7 | 2.1 | 0.4 | (s) | 35.7 | 315.1 | 78.3 | 393.4 |
| 2004 | 89.1 | 61.2 | 54.4 | 6.2 | 12.0 | 44.9 | 0.4 | 15.5 | 133.3 | 0.0 | 3.3 | 1.9 | 0.4 | (s) | 35.9 | 320.3 | 78.9 | 399.3 |
| 2005 | 97.0 | 55.0 | 56.7 | 3.7 | 12.2 | 45.5 | 1.6 | 18.3 | 137.9 | 0.0 | 2.9 | 1.8 | 0.5 | (s) | 37.0 | 326.8 | 80.4 | 407.2 |
| 2006 | 97.2 | 55.7 | 57.6 | 4.2 | 10.0 | 44.1 | 0.7 | 21.5 | 138.0 | 0.0 | 2.4 | 1.8 | 0.5 | (s) | 38.4 | 328.4 | 82.5 | 410.9 |
| 2007 | 96.2 | 62.2 | 69.0 | 4.0 | 10.9 | 45.1 | 0.6 | 12.9 | 142.4 | 0.0 | 2.1 | 7.9 | 0.6 | (s) | 40.6 | 346.7 | 87.1 | 433.8 |
| 2008 | 93.5 | 65.7 | 70.0 | 3.5 | 10.3 | 45.4 | 0.6 | 11.8 | 141.6 | 0.0 | 1.9 | 8.8 | 0.7 | (s) | 42.4 | 349.2 | 90.7 | 439.9 |
| 2009 | 95.5 | 57.6 | 55.6 | 3.9 | 10.5 | 46.6 | 0.2 | 11.1 | 128.0 | 0.0 | 1.9 | 14.7 | 0.8 | (s) | 43.2 | 336.0 | 90.8 | 426.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 328 | 4 | 874 | 860 | 774 | 2,508 | 23 | – – | – – | 728 | – – | – – | – – |
| 1965 | 177 | 7 | 1,269 | 40 | 746 | 2,055 | 16 | – – | – – | 911 | – – | – – | – – |
| 1970 | 80 | 8 | 1,103 | 190 | 1,261 | 2,555 | 19 | – – | – – | 1,399 | – – | – – | – – |
| 1975 | 46 | 10 | 776 | 21 | 1,161 | 1,958 | 22 | – – | – – | 1,901 | – – | – – | – – |
| 1980 | 30 | 10 | 1,173 | 5 | 502 | 1,681 | 119 | – – | – – | 2,456 | – – | – – | – – |
| 1985 | 43 | 10 | 1,162 | 14 | 166 | 1,342 | 153 | – – | – – | 3,012 | – – | – – | – – |
| 1990 | 27 | 9 | 981 | 5 | 642 | 1,628 | 84 | – – | – – | 2,954 | – – | – – | – – |
| 1995 | 14 | 11 | 717 | 4 | 762 | 1,482 | 73 | – – | – – | 3,384 | – – | – – | – – |
| 1996 | 18 | 13 | 818 | 5 | 929 | 1,752 | 76 | – – | – – | 3,602 | – – | – – | – – |
| 1997 | 15 | 11 | 602 | 5 | 1,494 | 2,102 | 59 | – – | – – | 3,437 | – – | – – | – – |
| 1998 | 13 | 10 | 532 | 6 | 1,070 | 1,608 | 52 | – – | – – | 3,272 | – – | – – | – – |
| 1999 | 15 | 11 | 485 | 17 | 1,416 | 1,917 | 55 | – – | – – | 3,307 | – – | – – | – – |
| 2000 | 15 | 11 | 564 | 3 | 1,727 | 2,294 | 59 | – – | – – | 3,390 | – – | – – | – – |
| 2001 | 15 | 11 | 492 | 4 | 1,973 | 2,469 | 55 | – – | – – | 3,480 | – – | – – | – – |
| 2002 | 17 | 12 | 424 | 2 | 1,770 | 2,197 | 56 | – – | – – | 3,664 | – – | – – | – – |
| 2003 | 22 | 12 | 502 | 3 | 1,820 | 2,325 | 59 | – – | – – | 3,707 | – – | – – | – – |
| 2004 | 25 | 11 | 582 | 5 | 1,801 | 2,387 | 61 | – – | – – | 3,663 | – – | – – | – – |
| 2005 | 21 | 11 | 460 | 7 | 1,825 | 2,292 | R 18 | – – | – – | 3,796 | – – | – – | – – |
| 2006 | 9 | 10 | 462 | 3 | 1,386 | 1,851 | R 16 | – – | – – | 3,853 | – – | – – | – – |
| 2007 | 26 | 11 | 470 | 2 | 1,408 | 1,880 | R 18 | – – | – – | 4,067 | – – | – – | – – |
| 2008 | 10 | 12 | R 597 | 1 | 1,652 | R 2,250 | R 19 | – – | – – | 4,259 | – – | – – | – – |
| 2009 | 10 | 12 | 328 | 3 | 1,583 | 1,913 | 18 | – – | – – | 4,449 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 5.1 | 4.0 | 5.1 | 4.9 | 3.1 | 13.1 | 0.5 | NA | NA | 2.5 | 25.1 | 6.1 | 31.2 |
| 1965 | 2.7 | 6.6 | 7.4 | 0.2 | 3.0 | 10.6 | 0.3 | NA | NA | 3.1 | 23.4 | 7.4 | 30.8 |
| 1970 | 1.2 | 8.4 | 6.4 | 1.1 | 4.8 | 12.3 | 0.4 | NA | NA | 4.8 | 27.1 | 11.6 | 38.6 |
| 1975 | 0.6 | 10.2 | 4.5 | 0.1 | 4.3 | 9.0 | 0.4 | NA | NA | 6.5 | 26.7 | 15.6 | 42.3 |
| 1980 | 0.4 | 10.1 | 6.8 | (s) | 1.8 | 8.7 | 2.4 | NA | NA | 8.4 | 29.9 | R 20.1 | 50.1 |
| 1985 | 0.6 | 11.0 | 6.8 | 0.1 | 0.6 | 7.4 | 3.1 | NA | NA | 10.3 | 30.4 | R 23.5 | R 53.9 |
| 1990 | 0.4 | 9.5 | 5.7 | (s) | 2.3 | 8.1 | 1.7 | 0.1 | (s) | 10.1 | 27.6 | R 23.1 | R 50.8 |
| 1995 | 0.2 | 11.8 | 4.2 | (s) | 2.8 | 7.0 | 1.5 | 0.1 | (s) | 11.5 | 29.7 | R 26.1 | R 55.8 |
| 1996 | 0.3 | 13.2 | 4.8 | (s) | 3.4 | 8.2 | 1.5 | 0.1 | (s) | 12.3 | 33.3 | R 27.8 | R 61.1 |
| 1997 | 0.2 | 11.9 | 3.5 | (s) | 5.4 | 8.9 | 1.2 | 0.1 | (s) | 11.7 | 32.6 | R 26.4 | R 59.0 |
| 1998 | 0.2 | 10.5 | 3.1 | (s) | 3.9 | 7.0 | 1.0 | 0.1 | (s) | 11.2 | 28.6 | R 25.2 | R 53.7 |
| 1999 | 0.2 | 11.0 | 2.8 | 0.1 | 5.1 | 8.0 | 1.1 | 0.1 | (s) | 11.3 | 30.3 | R 25.6 | R 55.9 |
| 2000 | 0.2 | 11.3 | 3.3 | (s) | 6.2 | 9.5 | 1.2 | 0.1 | (s) | 11.6 | 32.4 | R 26.2 | R 58.6 |
| 2001 | 0.2 | 10.9 | 2.9 | (s) | 7.1 | 10.0 | 1.1 | 0.1 | (s) | 11.9 | 32.8 | R 26.3 | R 59.1 |
| 2002 | 0.3 | 11.8 | 2.5 | (s) | 6.4 | 8.9 | 1.1 | 0.1 | (s) | 12.5 | 33.2 | R 27.7 | R 60.9 |
| 2003 | 0.4 | 12.0 | 2.9 | (s) | 6.6 | 9.5 | 1.2 | 0.2 | (s) | 12.6 | 34.2 | R 27.8 | R 61.9 |
| 2004 | 0.4 | 11.4 | 3.4 | (s) | 6.5 | 9.9 | 1.2 | 0.2 | (s) | 12.5 | 34.2 | R 27.5 | R 61.7 |
| 2005 | 0.4 | 11.1 | 2.7 | (s) | 6.6 | 9.3 | R 0.4 | 0.2 | (s) | 13.0 | R 32.6 | R 28.2 | R 60.7 |
| 2006 | 0.2 | 10.1 | 2.7 | (s) | 5.0 | 7.7 | R 0.3 | 0.3 | (s) | 13.1 | R 30.0 | R 28.3 | R 58.3 |
| 2007 | 0.4 | 11.2 | 2.7 | (s) | 5.1 | 7.8 | R 0.4 | 0.3 | (s) | 13.9 | R 32.5 | R 29.8 | R 62.3 |
| 2008 | 0.2 | 12.0 | 3.5 | (s) | 5.9 | 9.4 | R 0.4 | 0.4 | (s) | 14.5 | R 35.5 | R 31.1 | R 66.6 |
| 2009 | 0.2 | 12.2 | 1.9 | (s) | 5.6 | 7.6 | 0.4 | 0.5 | (s) | 15.2 | 34.2 | 31.9 | 66.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 228 | 3 | 198 | 0 | 152 | 32 | 73 | 455 | NA | – – | – – | 304 | – – | – – | – – |
| 1965 | 133 | 5 | 288 | 0 | 146 | 179 | 209 | 822 | NA | – – | – – | 443 | – – | – – | – – |
| 1970 | 63 | 8 | 250 | 0 | 247 | 151 | 104 | 752 | NA | – – | – – | 696 | – – | – – | – – |
| 1975 | 107 | 12 | 176 | 0 | 228 | 95 | 493 | 992 | NA | – – | – – | 805 | – – | – – | – – |
| 1980 | 113 | 11 | 642 | 0 | 99 | 73 | 400 | 1,214 | NA | – – | – – | 1,145 | – – | – – | – – |
| 1985 | 154 | 10 | 502 | (s) | 33 | 69 | 64 | 668 | NA | – – | – – | 2,026 | – – | – – | – – |
| 1990 | 108 | 10 | 175 | (s) | 126 | 70 | 22 | 394 | 0 | – – | – – | 2,300 | – – | – – | – – |
| 1995 | 96 | 12 | 148 | 1 | 149 | 10 | 19 | 328 | 0 | – – | – – | 2,728 | – – | – – | – – |
| 1996 | 129 | 12 | 208 | 2 | 182 | 10 | 6 | 409 | 0 | – – | – – | 2,877 | – – | – – | – – |
| 1997 | 125 | 11 | 257 | 1 | 293 | 10 | 9 | 570 | 0 | – – | – – | 2,769 | – – | – – | – – |
| 1998 | 105 | 10 | 269 | 1 | 210 | 21 | 16 | 517 | 0 | – – | – – | 2,761 | – – | – – | – – |
| 1999 | 113 | 10 | 234 | 1 | 278 | 22 | 15 | 549 | 0 | – – | – – | 2,793 | – – | – – | – – |
| 2000 | 119 | 11 | 232 | 1 | 339 | 10 | 12 | 594 | 0 | – – | – – | 2,992 | – – | – – | – – |
| 2001 | 119 | 10 | 262 | 2 | 387 | 10 | 36 | 698 | 0 | – – | – – | 3,577 | – – | – – | – – |
| 2002 | 128 | 12 | 142 | 1 | 347 | 10 | 94 | 594 | 0 | – – | – – | 3,920 | – – | – – | – – |
| 2003 | 147 | 11 | 178 | 1 | 211 | 19 | 100 | 510 | 0 | – – | – – | 3,800 | – – | – – | – – |
| 2004 | 226 | 10 | 180 | 2 | 191 | 10 | 18 | 402 | 0 | – – | – – | 3,843 | – – | – – | – – |
| 2005 | 239 | 10 | 141 | 3 | 343 | 10 | 46 | 543 | 0 | – – | – – | 3,994 | – – | – – | – – |
| 2006 | 94 | 9 | 149 | 3 | 329 | 20 | 10 | 513 | 0 | – – | – – | 4,127 | – – | – – | – – |
| 2007 | 236 | 10 | 160 | 1 | 365 | 17 | 26 | 570 | 0 | – – | – – | 4,215 | – – | – – | – – |
| 2008 | 93 | 11 | R 225 | 1 | 488 | 17 | 12 | R 743 | 0 | – – | – – | 4,460 | – – | – – | – – |
| 2009 | 87 | 11 | 204 | 1 | 418 | 19 | 1 | 643 | 0 | – – | – – | 4,558 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 3.5 | 2.9 | 1.2 | 0.0 | 0.6 | 0.2 | 0.5 | 2.4 | NA | (s) | NA | 1.0 | 9.9 | 2.6 | 12.5 |
| 1965 | 2.1 | 5.0 | 1.7 | 0.0 | 0.6 | 0.9 | 1.3 | 4.5 | NA | (s) | NA | 1.5 | 13.1 | 3.6 | 16.7 |
| 1970 | 0.9 | 8.6 | 1.5 | 0.0 | 0.9 | 0.8 | 0.7 | 3.8 | NA | (s) | NA | 2.4 | 15.7 | 5.7 | 21.5 |
| 1975 | 1.5 | 12.4 | 1.0 | 0.0 | 0.8 | 0.5 | 3.1 | 5.5 | NA | (s) | NA | 2.7 | 22.1 | 6.6 | 28.7 |
| 1980 | 1.5 | 11.6 | 3.7 | 0.0 | 0.4 | 0.4 | 2.5 | 7.0 | NA | 0.1 | NA | 3.9 | 24.0 | 9.4 | R 33.3 |
| 1985 | 2.0 | 10.7 | 2.9 | (s) | 0.1 | 0.4 | 0.4 | 3.8 | NA | 0.1 | NA | 6.9 | 21.6 | R 15.8 | R 37.5 |
| 1990 | 1.5 | 10.6 | 1.0 | (s) | 0.5 | 0.4 | 0.1 | 2.0 | 0.0 | 0.2 | (s) | 7.8 | 19.7 | R 18.0 | R 37.7 |
| 1995 | 1.5 | 12.2 | 0.9 | (s) | 0.5 | 0.1 | 0.1 | 1.6 | 0.0 | 0.2 | 0.1 | 9.3 | 22.5 | R 21.0 | R 43.5 |
| 1996 | 1.9 | 12.8 | 1.2 | (s) | 0.7 | 0.1 | (s) | 2.0 | 0.0 | 0.2 | 0.1 | 9.8 | 24.6 | R 22.2 | R 46.8 |
| 1997 | 1.9 | 11.4 | 1.5 | (s) | 1.1 | 0.1 | 0.1 | 2.7 | 0.0 | 0.2 | 0.1 | 9.4 | 24.3 | R 21.3 | R 45.5 |
| 1998 | 1.5 | 10.5 | 1.6 | (s) | 0.8 | 0.1 | 0.1 | 2.5 | 0.0 | 0.2 | 0.1 | 9.4 | 22.8 | R 21.2 | R 44.0 |
| 1999 | 1.6 | 10.5 | 1.4 | (s) | 1.0 | 0.1 | 0.1 | 2.6 | 0.0 | 0.2 | 0.1 | 9.5 | 23.0 | R 21.7 | R 44.7 |
| 2000 | 1.7 | 11.4 | 1.3 | (s) | 1.2 | 0.1 | 0.1 | 2.7 | 0.0 | 0.2 | 0.1 | 10.2 | 24.8 | R 23.1 | R 47.9 |
| 2001 | 1.9 | 10.8 | 1.5 | (s) | 1.4 | 0.1 | 0.2 | 3.2 | 0.0 | 0.2 | 0.1 | 12.2 | 27.0 | R 27.0 | R 54.0 |
| 2002 | 2.1 | 11.7 | 0.8 | (s) | 1.3 | 0.1 | 0.6 | 2.7 | 0.0 | 0.2 | 0.1 | 13.4 | 28.8 | R 29.6 | R 58.4 |
| 2003 | 2.4 | 11.1 | 1.0 | (s) | 0.8 | 0.1 | 0.6 | 2.5 | 0.0 | 0.2 | 0.2 | 13.0 | 27.8 | R 28.4 | R 56.2 |
| 2004 | 3.8 | 10.7 | 1.0 | (s) | 0.7 | 0.1 | 0.1 | 1.9 | 0.0 | 0.2 | 0.2 | 13.1 | 28.6 | R 28.8 | R 57.5 |
| 2005 | 4.3 | 10.3 | 0.8 | (s) | 1.2 | 0.1 | 0.3 | 2.4 | 0.0 | R 0.1 | 0.2 | 13.6 | R 29.3 | R 29.6 | R 59.0 |
| 2006 | 1.7 | 9.8 | 0.9 | (s) | 1.2 | 0.1 | 0.1 | 2.2 | 0.0 | R 0.1 | 0.3 | 14.1 | R 26.5 | R 30.3 | R 56.8 |
| 2007 | 3.8 | 10.8 | 0.9 | (s) | 1.3 | 0.1 | 0.2 | 2.5 | 0.0 | R 0.1 | 0.3 | 14.4 | R 30.3 | R 30.8 | R 61.2 |
| 2008 | 1.6 | 11.6 | 1.3 | (s) | 1.8 | 0.1 | 0.1 | 3.2 | 0.0 | R 0.1 | 0.3 | 15.2 | R 30.7 | R 32.6 | R 63.2 |
| 2009 | 1.5 | 11.6 | 1.2 | (s) | 1.5 | 0.1 | (s) | 2.8 | 0.0 | 0.1 | 0.3 | 15.6 | 30.2 | 32.7 | 62.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 521 | 20 | 2,104 | 257 | 2,927 | 530 | 2,005 | 7,823 | 0 | – – | – – | – – | 121 | – – | – – | – – |
| 1965 | 444 | 21 | 2,696 | 240 | 2,533 | 632 | 1,702 | 7,804 | 0 | – – | – – | – – | 241 | – – | – – | – – |
| 1970 | 523 | 16 | 2,174 | 206 | 2,315 | 558 | 2,456 | 7,710 | 0 | – – | – – | – – | 720 | – – | – – | – – |
| 1975 | 570 | 14 | 1,613 | 189 | 2,193 | 577 | 2,219 | 6,792 | 0 | – – | – – | – – | 1,007 | – – | – – | – – |
| 1980 | 585 | 2 | 2,460 | 690 | 1,540 | 315 | 1,836 | 6,842 | 0 | – – | – – | – – | 1,576 | – – | – – | – – |
| 1985 | 5,407 | 7 | 2,890 | 340 | 1,080 | 440 | 1,896 | 6,646 | 0 | – – | – – | – – | 1,988 | – – | – – | – – |
| 1990 | 6,400 | 11 | 3,016 | 644 | 799 | 304 | 1,979 | 6,742 | 0 | – – | – – | – – | 1,760 | – – | – – | – – |
| 1995 | 7,447 | 18 | 3,027 | 830 | 685 | 145 | 1,923 | 6,610 | 0 | – – | – – | – – | 1,771 | – – | – – | – – |
| 1996 | 6,724 | 20 | 2,912 | 1,093 | 575 | 129 | 2,190 | 6,899 | 0 | – – | – – | – – | 1,835 | – – | – – | – – |
| 1997 | 6,465 | 29 | 2,613 | 734 | 450 | 178 | 2,508 | 6,482 | 0 | – – | – – | – – | 2,076 | – – | – – | – – |
| 1998 | 6,664 | 29 | 2,563 | 691 | 562 | 27 | 2,542 | 6,386 | 0 | – – | – – | – – | 2,187 | – – | – – | – – |
| 1999 | 6,608 | 26 | 2,362 | 972 | 434 | 46 | 3,233 | 7,048 | 0 | – – | – – | – – | 3,013 | – – | – – | – – |
| 2000 | 6,719 | 24 | 2,756 | 1,283 | 443 | 66 | 2,179 | 6,726 | 0 | – – | – – | – – | 3,031 | – – | – – | – – |
| 2001 | 6,595 | 26 | 3,420 | 3,057 | 527 | 33 | 2,600 | 9,637 | 0 | – – | – – | – – | 2,753 | – – | – – | – – |
| 2002 | 6,592 | 29 | 2,839 | 1,279 | 550 | 4 | 2,334 | 7,005 | 0 | – – | – – | – – | 2,636 | – – | – – | – – |
| 2003 | 6,628 | 24 | 2,796 | 721 | 573 | 43 | 1,965 | 6,098 | 0 | – – | – – | – – | 2,954 | – – | – – | – – |
| 2004 | 5,913 | 24 | 3,532 | 1,286 | 717 | 45 | 2,285 | 7,865 | 0 | – – | – – | – – | 3,010 | – – | – – | – – |
| 2005 | 6,467 | 19 | 3,747 | 1,180 | 626 | 210 | 2,699 | 8,462 | 0 | – – | – – | – – | 3,050 | – – | – – | – – |
| 2006 | 6,671 | 21 | 3,787 | 1,031 | 676 | 95 | R 3,226 | R 8,814 | 0 | – – | – – | – – | 3,266 | – – | – – | – – |
| 2007 | 6,440 | 25 | 3,871 | 1,230 | 577 | 68 | R 1,923 | R 7,669 | 0 | – – | – – | – – | 3,624 | – – | – – | – – |
| 2008 | 6,379 | 29 | R 4,936 | R 674 | 445 | 83 | R 1,757 | R 7,896 | 0 | – – | – – | – – | 3,697 | – – | – – | – – |
| 2009 | 6,493 | 23 | 4,013 | 894 | 459 | 34 | 1,662 | 7,062 | 0 | – – | – – | – – | 3,641 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 7.7 | 20.3 | 12.3 | 1.0 | 15.4 | 3.3 | 12.7 | 44.7 | 0.0 | 0.0 | NA | NA | 0.4 | 73.2 | 1.0 | 74.2 |
| 1965 | 6.5 | 20.9 | 15.7 | 1.0 | 13.3 | 4.0 | 10.7 | 44.7 | 0.0 | 0.0 | NA | NA | 0.8 | 72.9 | 2.0 | 74.8 |
| 1970 | 7.2 | 16.3 | 12.7 | 0.8 | 12.2 | 3.5 | 15.6 | 44.7 | 0.0 | 0.0 | NA | NA | 2.5 | 70.8 | 5.9 | 76.7 |
| 1975 | 7.4 | 14.0 | 9.4 | 0.7 | 11.5 | 3.6 | 14.0 | 39.2 | 0.0 | 0.0 | NA | NA | 3.4 | 64.1 | R 8.2 | 72.3 |
| 1980 | 7.7 | 2.1 | 14.3 | 2.5 | 8.1 | 2.0 | 11.5 | 38.4 | 0.0 | 0.0 | NA | NA | 5.4 | 53.6 | R 12.9 | 66.5 |
| 1985 | 71.2 | 7.3 | 16.8 | 1.2 | 5.7 | 2.8 | 12.2 | 38.7 | 0.0 | 0.0 | 1.2 | NA | 6.8 | 124.8 | R 15.5 | R 140.3 |
| 1990 | 86.3 | 11.7 | 17.6 | 2.3 | 4.2 | 1.9 | 12.4 | 38.4 | 0.0 | 0.1 | 1.0 | 0.0 | 6.0 | 142.6 | R 13.8 | R 156.3 |
| 1995 | 99.4 | 18.7 | 17.6 | 3.0 | 3.6 | 0.9 | 12.1 | 37.2 | 0.0 | 0.9 | 1.3 | 0.0 | 6.0 | 162.3 | R 13.6 | R 175.9 |
| 1996 | 90.0 | 20.5 | 17.0 | 3.9 | 3.0 | 0.8 | 13.7 | 38.5 | 0.0 | 0.7 | 0.5 | 0.0 | 6.3 | 155.0 | 14.2 | R 169.1 |
| 1997 | 85.9 | 30.6 | 15.2 | 2.7 | 2.3 | 1.1 | 15.9 | 37.2 | 0.0 | 0.9 | 0.9 | 0.0 | 7.1 | 159.9 | R 15.9 | R 175.8 |
| 1998 | 88.9 | 30.0 | 14.9 | 2.5 | 2.9 | 0.2 | 16.2 | 36.7 | 0.0 | 1.0 | 1.1 | 0.0 | 7.5 | R 162.3 | R 16.8 | R 179.2 |
| 1999 | 88.2 | 27.4 | 13.8 | 3.5 | 2.3 | 0.3 | 20.8 | 40.6 | 0.0 | 1.1 | 1.0 | 0.0 | 10.3 | 166.0 | R 23.4 | R 189.4 |
| 2000 | 95.6 | 24.7 | 16.1 | 4.6 | 2.3 | 0.4 | 13.8 | 37.2 | 0.0 | 1.2 | 1.2 | 0.0 | 10.3 | 168.3 | R 23.4 | R 191.7 |
| 2001 | 93.5 | 26.9 | 19.9 | 11.0 | 2.7 | 0.2 | 16.5 | 50.4 | 0.0 | 2.2 | 1.3 | 0.0 | 9.4 | R 181.3 | R 20.8 | R 202.1 |
| 2002 | 92.2 | 29.1 | 16.5 | 4.6 | 2.9 | (s) | 14.7 | 38.8 | 0.0 | 1.3 | 1.8 | 0.0 | 9.0 | 169.8 | R 19.9 | R 189.7 |
| 2003 | 94.8 | 24.1 | 16.3 | 2.6 | 3.0 | 0.3 | 12.2 | 34.4 | 0.0 | 1.3 | 2.1 | 0.0 | 10.1 | 164.8 | R 22.1 | R 186.9 |
| 2004 | 84.8 | 24.8 | 20.6 | 4.7 | 3.7 | 0.3 | 14.4 | 43.6 | 0.0 | 1.9 | 1.9 | 0.0 | 10.3 | 165.2 | R 22.6 | R 187.8 |
| 2005 | 92.3 | 19.8 | 21.8 | 4.3 | 3.3 | 1.3 | 17.1 | 47.7 | 0.0 | 2.5 | 1.8 | 0.0 | 10.4 | 172.7 | R 22.6 | R 195.3 |
| 2006 | 95.4 | 22.2 | 22.1 | 3.7 | 3.5 | 0.6 | R 20.5 | R 50.4 | 0.0 | 2.0 | 1.8 | 0.0 | 11.1 | R 180.5 | R 24.0 | R 204.5 |
| 2007 | 92.0 | 26.3 | 22.5 | 4.4 | 3.0 | 0.4 | R 11.9 | R 42.3 | 0.0 | 1.6 | 7.9 | 0.0 | 12.4 | R 180.0 | R 26.5 | R 206.5 |
| 2008 | 91.7 | 30.2 | R 28.8 | 2.4 | 2.3 | 0.5 | R 10.8 | R 44.9 | 0.0 | R 1.5 | 8.8 | 0.0 | 12.6 | R 187.1 | R 27.0 | R 214.1 |
| 2009 | 93.9 | 24.5 | 23.4 | 3.2 | 2.4 | 0.2 | 10.3 | 39.4 | 0.0 | 1.5 | 14.7 | 0.0 | 12.4 | 184.0 | 26.1 | 210.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 9 | (s) | 66 | 592 | 2,103 | 29 | 158 | 4,760 | 69 | 7,778 | 0 | – – | – – | – – |
| 1965 | 1 | (s) | 165 | 916 | 2,069 | 22 | 147 | 5,499 | 25 | 8,843 | 0 | – – | – – | – – |
| 1970 | 1 | (s) | 95 | 1,441 | 2,074 | 3 | 138 | 6,300 | 41 | 10,092 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 85 | 1,880 | 1,855 | 2 | 137 | 7,756 | 0 | 11,715 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 64 | 3,795 | 1,702 | 12 | 151 | 7,553 | 0 | 13,278 | 0 | – – | – – | – – |
| 1985 | 0 | 1 | 4 | 3,009 | 1,682 | 11 | 138 | 7,673 | 0 | 12,517 | 0 | – – | – – | – – |
| 1990 | 0 | 2 | 28 | 2,990 | 1,178 | 14 | 155 | 7,282 | 0 | 11,647 | 0 | – – | – – | – – |
| 1995 | 0 | 5 | 65 | 4,014 | 333 | 13 | 148 | 7,955 | 0 | 12,528 | 0 | – – | – – | – – |
| 1996 | 0 | 5 | 50 | 4,241 | 246 | 21 | 144 | 8,098 | 0 | 12,800 | 0 | – – | – – | – – |
| 1997 | 0 | 5 | 33 | 4,409 | 189 | 12 | 152 | 8,168 | 0 | 12,963 | 0 | – – | – – | – – |
| 1998 | 0 | (s) | 43 | 3,728 | 211 | 4 | 159 | 8,098 | 0 | 12,243 | 0 | – – | – – | – – |
| 1999 | 0 | 10 | 39 | 4,386 | 405 | 9 | 160 | 8,255 | 0 | 13,255 | 0 | – – | – – | – – |
| 2000 | 0 | 11 | 34 | 4,158 | 413 | 5 | 158 | 8,060 | 0 | 12,829 | 0 | – – | – – | – – |
| 2001 | 0 | 14 | 86 | 4,632 | 751 | 8 | 145 | 7,941 | 0 | 13,562 | 0 | – – | – – | – – |
| 2002 | 0 | 14 | 58 | 4,733 | 528 | 10 | 143 | 7,993 | 0 | 13,465 | 0 | – – | – – | – – |
| 2003 | 0 | 14 | 70 | 4,727 | 558 | 23 | 132 | 8,083 | 0 | 13,592 | 0 | – – | – – | – – |
| 2004 | 0 | 14 | 64 | 5,037 | 1,093 | 33 | 134 | 7,875 | 0 | 14,237 | 0 | – – | – – | – – |
| 2005 | 0 | 13 | 66 | 5,380 | 646 | 23 | 133 | 8,080 | 0 | 14,327 | 0 | – – | – – | – – |
| 2006 | 0 | 13 | 43 | 5,489 | 735 | 19 | 130 | 7,759 | 0 | 14,176 | 0 | – – | – – | – – |
| 2007 | 0 | 13 | 37 | 7,338 | 710 | 19 | 134 | 8,054 | 0 | 16,291 | 0 | – – | – – | – – |
| 2008 | 0 | 11 | 38 | R 6,263 | 613 | 33 | 125 | 8,241 | 0 | R 15,313 | 0 | – – | – – | – – |
| 2009 | 0 | 9 | 34 | 5,007 | 687 | 54 | 112 | 8,463 | 0 | 14,357 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.1 | (s) | 0.3 | 3.5 | 11.3 | 0.1 | 1.0 | 25.0 | 0.4 | 41.6 | 0.0 | 41.7 | 0.0 | 41.7 |
| 1965 | (s) | (s) | 0.8 | 5.3 | 11.1 | 0.1 | 0.9 | 28.9 | 0.2 | 47.3 | 0.0 | 47.3 | 0.0 | 47.3 |
| 1970 | (s) | (s) | 0.5 | 8.4 | 11.2 | (s) | 0.8 | 33.1 | 0.3 | 54.2 | 0.0 | 54.3 | 0.0 | 54.3 |
| 1975 | (s) | 0.1 | 0.4 | 11.0 | 10.0 | (s) | 0.8 | 40.7 | 0.0 | 63.0 | 0.0 | 63.1 | 0.0 | 63.1 |
| 1980 | 0.0 | 0.2 | 0.3 | 22.1 | 9.2 | (s) | 0.9 | 39.7 | 0.0 | 72.3 | 0.0 | 72.5 | 0.0 | 72.5 |
| 1985 | 0.0 | 0.7 | (s) | 17.5 | 9.1 | (s) | 0.8 | 40.3 | 0.0 | 67.8 | 0.0 | R 68.7 | 0.0 | R 68.7 |
| 1990 | 0.0 | 1.8 | 0.1 | 17.4 | 6.4 | 0.1 | 0.9 | 38.3 | 0.0 | 63.2 | 0.0 | 65.3 | 0.0 | 65.3 |
| 1995 | 0.0 | 5.0 | 0.3 | 23.4 | 1.9 | (s) | 0.9 | 41.5 | 0.0 | 68.0 | 0.0 | 73.0 | 0.0 | 73.0 |
| 1996 | 0.0 | 5.1 | 0.3 | 24.7 | 1.4 | 0.1 | 0.9 | 42.2 | 0.0 | 69.5 | 0.0 | 74.6 | 0.0 | 74.6 |
| 1997 | 0.0 | 5.3 | 0.2 | 25.7 | 1.1 | (s) | 0.9 | 42.6 | 0.0 | 70.5 | 0.0 | 75.8 | 0.0 | 75.8 |
| 1998 | 0.0 | 0.5 | 0.2 | 21.7 | 1.2 | (s) | 1.0 | 42.2 | 0.0 | 66.3 | 0.0 | 66.8 | 0.0 | 66.8 |
| 1999 | 0.0 | 10.0 | 0.2 | 25.5 | 2.3 | (s) | 1.0 | 43.0 | 0.0 | 72.1 | 0.0 | 82.1 | 0.0 | 82.1 |
| 2000 | 0.0 | 11.0 | 0.2 | 24.2 | 2.3 | (s) | 1.0 | 42.0 | 0.0 | 69.7 | 0.0 | 80.7 | 0.0 | 80.7 |
| 2001 | 0.0 | 14.0 | 0.4 | 27.0 | 4.3 | (s) | 0.9 | 41.4 | 0.0 | 74.0 | 0.0 | 88.0 | 0.0 | 88.0 |
| 2002 | 0.0 | 14.3 | 0.3 | 27.6 | 3.0 | (s) | 0.9 | 41.6 | 0.0 | 73.4 | 0.0 | 87.7 | 0.0 | 87.7 |
| 2003 | 0.0 | 14.3 | 0.4 | 27.5 | 3.2 | 0.1 | 0.8 | 42.1 | 0.0 | 74.0 | 0.0 | 88.3 | 0.0 | 88.3 |
| 2004 | 0.0 | 14.4 | 0.3 | 29.3 | 6.2 | 0.1 | 0.8 | 41.1 | 0.0 | 77.9 | 0.0 | 92.3 | 0.0 | 92.3 |
| 2005 | 0.0 | 13.8 | 0.3 | 31.3 | 3.7 | 0.1 | 0.8 | 42.2 | 0.0 | 78.4 | 0.0 | 92.2 | 0.0 | 92.2 |
| 2006 | 0.0 | 13.6 | 0.2 | 32.0 | 4.2 | 0.1 | 0.8 | 40.5 | 0.0 | 77.7 | 0.0 | 91.3 | 0.0 | 91.3 |
| 2007 | 0.0 | 13.9 | 0.2 | 42.7 | 4.0 | 0.1 | 0.8 | 42.0 | 0.0 | 89.9 | 0.0 | 103.8 | 0.0 | 103.8 |
| 2008 | 0.0 | 12.0 | 0.2 | R 36.5 | 3.5 | 0.1 | 0.8 | 43.0 | 0.0 | R 84.0 | 0.0 | R 96.0 | 0.0 | R 96.0 |
| 2009 | 0.0 | 9.4 | 0.2 | 29.2 | 3.9 | 0.2 | 0.7 | 44.2 | 0.0 | 78.3 | 0.0 | 87.6 | 0.0 | 87.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, North Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 1,014 | (s) | 15 | 4 | 0 | 20 | 0 | 1,060 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 964 | (s) | 2 | 1 | 0 | 3 | 0 | 2,497 | – – | 0 | NA | NA | -1 | – – |
| 1970 | 3,519 | (s) | 25 | 7 | 0 | 32 | 0 | 2,815 | – – | 0 | NA | NA | 293 | – – |
| 1975 | 4,377 | (s) | 18 | 2 | 0 | 20 | 0 | 3,345 | – – | 0 | NA | NA | 1,166 | – – |
| 1980 | 11,618 | (s) | 0 | 68 | 0 | 68 | 0 | 2,513 | – – | 0 | NA | NA | 2,850 | – – |
| 1985 | 17,354 | (s) | 0 | 74 | 0 | 74 | 0 | 2,173 | – – | 0 | 0 | (s) | 2,645 | – – |
| 1990 | 21,579 | (s) | 0 | 57 | 0 | 57 | 0 | 1,711 | – – | 0 | 0 | 0 | 20 | – – |
| 1995 | 22,680 | (s) | 0 | 99 | 0 | 99 | 0 | 2,457 | – – | 0 | 0 | 0 | 731 | – – |
| 1996 | 23,640 | (s) | 0 | 155 | 0 | 155 | 0 | 3,151 | – – | 0 | 0 | 0 | 868 | – – |
| 1997 | 22,754 | (s) | 0 | 153 | 0 | 153 | 0 | 3,320 | – – | 0 | 0 | 0 | 118 | – – |
| 1998 | 24,278 | 0 | 0 | 89 | 0 | 89 | 0 | 2,296 | – – | 0 | 0 | 0 | -200 | – – |
| 1999 | 24,540 | 0 | 0 | 81 | 0 | 81 | 0 | 2,609 | – – | 0 | 0 | 0 | -160 | – – |
| 2000 | 25,048 | 0 | 0 | 95 | 0 | 95 | 0 | 2,123 | – – | 0 | 0 | 0 | 647 | – – |
| 2001 | 24,795 | (s) | 0 | 64 | 0 | 64 | 0 | 1,332 | – – | 0 | 0 | 0 | 570 | – – |
| 2002 | 25,247 | (s) | 3 | 65 | 0 | 68 | 0 | 1,593 | – – | 0 | 0 | 0 | 175 | – – |
| 2003 | 25,173 | (s) | 0 | 95 | 0 | 95 | 0 | 1,724 | – – | 0 | 0 | 59 | -414 | – – |
| 2004 | 23,915 | (s) | 0 | 74 | 0 | 74 | 0 | 1,546 | – – | 0 | 0 | 215 | 104 | – – |
| 2005 | 25,317 | (s) | 0 | 70 | 0 | 70 | 0 | 1,342 | – – | 0 | 0 | 220 | 1,694 | – – |
| 2006 | 24,298 | (s) | 0 | 78 | 0 | 78 | 0 | 1,521 | – – | 0 | 0 | 369 | 756 | – – |
| 2007 | 24,639 | (s) | 0 | 96 | 0 | 96 | 0 | 1,305 | – – | 0 | 0 | 621 | 1,332 | – – |
| 2008 | 24,893 | (s) | 0 | 81 | 0 | 81 | 0 | 1,253 | – – | 0 | 0 | 1,693 | 808 | – – |
| 2009 | 24,593 | (s) | 0 | 80 | 0 | 80 | 0 | 1,475 | – – | 0 | 0 | 2,998 | 740 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 14.0 | 0.1 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 11.4 | 0.0 | 0.0 | NA | NA | 0.0 | 25.7 |
| 1965 | 13.4 | (s) | (s) | (s) | 0.0 | (s) | 0.0 | 26.1 | 0.0 | 0.0 | NA | NA | (s) | 39.6 |
| 1970 | 48.1 | 0.4 | 0.2 | (s) | 0.0 | 0.2 | 0.0 | 29.5 | 0.0 | 0.0 | NA | NA | 1.0 | 79.2 |
| 1975 | 58.4 | 0.2 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 34.8 | 0.0 | 0.0 | NA | NA | 4.0 | 97.5 |
| 1980 | 153.8 | (s) | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 26.1 | 0.0 | 0.0 | NA | NA | 9.7 | 190.0 |
| 1985 | 228.2 | (s) | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 22.7 | 0.0 | 0.0 | 0.0 | (s) | 9.0 | 260.4 |
| 1990 | 286.3 | (s) | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 17.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 304.5 |
| 1995 | 298.6 | (s) | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 25.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 327.0 |
| 1996 | 311.8 | (s) | 0.0 | 0.9 | 0.0 | 0.9 | 0.0 | 32.6 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 348.2 |
| 1997 | 298.0 | (s) | 0.0 | 0.9 | 0.0 | 0.9 | 0.0 | 33.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 333.2 |
| 1998 | 318.6 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 23.4 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 341.9 |
| 1999 | 321.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 26.7 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 347.9 |
| 2000 | 327.1 | 0.0 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 21.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 351.5 |
| 2001 | 324.4 | (s) | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 340.4 |
| 2002 | 328.3 | (s) | (s) | 0.4 | 0.0 | 0.4 | 0.0 | 16.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 345.5 |
| 2003 | 323.2 | (s) | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 17.7 | 0.0 | 0.0 | 0.0 | 0.6 | -1.4 | 340.6 |
| 2004 | 309.3 | (s) | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 15.5 | 0.0 | 0.0 | 0.0 | 2.1 | 0.4 | 327.7 |
| 2005 | 334.1 | (s) | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 13.4 | 0.0 | 0.0 | 0.0 | 2.2 | 5.8 | 355.9 |
| 2006 | 317.6 | (s) | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 15.1 | 0.0 | 0.0 | 0.0 | 3.7 | 2.6 | 339.4 |
| 2007 | 324.5 | (s) | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 6.1 | 4.5 | 348.7 |
| 2008 | 331.1 | (s) | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 12.3 | 0.0 | 0.0 | 0.0 | 16.7 | 2.8 | 363.4 |
| 2009 | 327.7 | (s) | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 14.4 | 0.0 | 0.0 | 0.0 | 29.3 | 2.5 | 374.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Ohio

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 51,250 | 700 | 23,919 | 1,808 | 3,680 | 78,170 | 11,605 | 24,677 | 143,859 | 0 | 20 | NA |
| 1965 | 54,022 | 880 | 27,663 | 3,075 | 5,441 | 86,271 | 10,963 | 33,792 | 167,205 | 22 | 11 | NA |
| 1970 | 66,863 | 1,053 | 34,458 | 5,857 | 8,712 | 106,296 | 6,445 | 36,273 | 198,040 | 0 | 7 | NA |
| 1971 | 64,537 | 1,087 | 35,209 | 6,448 | 8,988 | 108,167 | 5,254 | 34,346 | 198,412 | 0 | 9 | NA |
| 1972 | 66,683 | 1,148 | 41,416 | 6,961 | 10,148 | 113,594 | 5,849 | 35,259 | 213,227 | 0 | 9 | NA |
| 1973 | 68,942 | 1,104 | 41,933 | 6,967 | 10,292 | 119,261 | 7,119 | 37,936 | 223,508 | 0 | 8 | NA |
| 1974 | 71,570 | 1,087 | 41,270 | 5,812 | 10,222 | 117,606 | 8,398 | 35,747 | 219,055 | 0 | 10 | NA |
| 1975 | 70,764 | 957 | 42,168 | 6,039 | 9,910 | 118,808 | 10,399 | 34,230 | 221,554 | 0 | 7 | NA |
| 1976 | 71,933 | 1,006 | 51,267 | 6,389 | 10,383 | 122,219 | 11,597 | 36,693 | 238,547 | 0 | 8 | NA |
| 1977 | 73,227 | 847 | 52,239 | 6,882 | 10,507 | 126,130 | 15,251 | 39,421 | 250,430 | 468 | 6 | NA |
| 1978 | 71,124 | 930 | 54,670 | 7,075 | 11,423 | 126,987 | 14,109 | 40,656 | 254,921 | 2,425 | 5 | NA |
| 1979 | 72,252 | 898 | 45,290 | 6,815 | 46,635 | 121,618 | 11,316 | 40,874 | 272,547 | 3,163 | 4 | NA |
| 1980 | 64,914 | 897 | 48,833 | 7,219 | 44,263 | 113,232 | 6,918 | 37,425 | 257,892 | 2,119 | 6 | NA |
| 1981 | 65,595 | 870 | 45,122 | 5,745 | 39,689 | 110,193 | 5,846 | 30,642 | 237,237 | 4,407 | 6 | 27 |
| 1982 | 58,953 | 814 | 40,393 | 5,485 | 40,793 | 105,904 | 2,444 | 28,220 | 223,240 | 3,226 | 5 | 218 |
| 1983 | 55,301 | 747 | 33,347 | 5,821 | 41,043 | 107,106 | 4,093 | 27,937 | 219,346 | 4,904 | 135 | 1,137 |
| 1984 | 57,049 | 785 | 36,219 | 6,832 | 29,239 | 109,043 | 2,800 | 29,927 | 214,060 | 4,312 | 164 | 1,111 |
| 1985 | 57,979 | 733 | 36,629 | 7,204 | 27,919 | 108,763 | 2,322 | 27,522 | 210,359 | 1,943 | 175 | 1,300 |
| 1986 | 59,324 | 717 | 35,989 | 9,924 | 14,652 | 111,933 | 2,313 | 29,376 | 204,188 | 24 | 172 | 1,769 |
| 1987 | 59,350 | 715 | 34,796 | 10,800 | 15,912 | 116,091 | 2,079 | 33,286 | 212,964 | 7,513 | 225 | 2,171 |
| 1988 | 61,096 | 805 | 37,704 | 9,218 | 11,025 | 117,072 | 2,814 | 31,508 | 209,341 | 8,455 | 187 | 2,387 |
| 1989 | 61,016 | 814 | 39,333 | 10,405 | 13,213 | 114,574 | 2,300 | 35,636 | 215,462 | 12,661 | 130 | 2,769 |
| 1990 | 59,205 | 747 | 37,580 | 10,602 | 10,994 | 110,487 | 1,656 | 35,393 | 206,713 | 10,664 | 181 | 2,531 |
| 1991 | 58,578 | 766 | 35,433 | 10,400 | 11,120 | 109,920 | 1,338 | 32,514 | 200,725 | 14,833 | 154 | 2,665 |
| 1992 | 58,671 | 810 | 37,525 | 10,631 | 14,638 | 108,696 | 1,606 | 36,320 | 209,416 | 14,805 | 253 | 3,317 |
| 1993 | 59,031 | 834 | 38,817 | 10,650 | 15,065 | 114,756 | 2,136 | 33,393 | 214,817 | 10,011 | 190 | 4,692 |
| 1994 | 57,503 | 842 | 40,548 | 11,678 | 15,234 | 113,178 | 2,018 | 35,211 | 217,866 | 10,952 | 192 | 5,499 |
| 1995 | 56,580 | 890 | 40,203 | 11,236 | 14,273 | 116,222 | 1,422 | 34,252 | 217,609 | 16,768 | 232 | 5,147 |
| 1996 | 59,835 | 933 | 44,036 | 11,960 | 16,019 | 115,361 | 1,684 | 40,162 | 229,221 | 13,919 | 397 | 2,030 |
| 1997 | 58,821 | 898 | 47,075 | 12,610 | 11,105 | 118,336 | 1,246 | 43,315 | 233,686 | 15,331 | 507 | 3,675 |
| 1998 | 60,514 | 811 | 45,775 | 13,838 | 8,687 | 119,932 | 916 | 42,776 | 231,924 | 16,476 | 406 | 5,404 |
| 1999 | 57,600 | 842 | 47,989 | 16,457 | 12,929 | 120,902 | 1,221 | 45,947 | 245,445 | 16,422 | 423 | 5,537 |
| 2000 | 60,246 | 891 | 48,814 | 18,655 | 11,961 | 121,297 | 1,510 | 40,107 | 242,345 | 16,781 | 583 | 5,650 |
| 2001 | 58,424 | 804 | 49,465 | 18,579 | 9,779 | 121,450 | 1,034 | 39,955 | 240,262 | 15,464 | 511 | 4,966 |
| 2002 | 59,610 | 831 | 50,706 | 17,489 | 13,392 | 123,465 | 966 | 38,333 | 244,351 | 10,865 | 488 | 4,868 |
| 2003 | 61,064 | 848 | 50,801 | 17,685 | 20,632 | 124,282 | 571 | 37,842 | 251,813 | 8,475 | 511 | 4,497 |
| 2004 | 59,023 | 826 | 55,757 | 18,635 | 10,965 | 124,517 | 750 | 39,762 | 250,386 | 15,950 | 730 | 4,434 |
| 2005 | 63,826 | 826 | 53,578 | 18,615 | 13,308 | 124,698 | 1,424 | 35,756 | 247,379 | 14,803 | 516 | 5,435 |
| 2006 | 63,017 | 742 | 55,293 | 18,486 | 12,137 | 124,364 | 1,375 | R 35,310 | R 246,965 | 16,847 | 632 | 5,940 |
| 2007 | 63,873 | 806 | 57,859 | 18,145 | 9,022 | 124,107 | 909 | R 36,789 | R 246,831 | 15,764 | 410 | 7,413 |
| 2008 | 63,445 | 792 | R 51,484 | 17,998 | 8,252 | 121,561 | 1,297 | R 36,475 | R 237,066 | 17,514 | 386 | 10,215 |
| 2009 | 54,859 | 739 | 47,112 | 12,744 | 9,201 | 119,656 | 322 | 32,862 | 221,897 | 15,206 | 528 | 11,415 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 1,269.2 | 724.8 | 139.3 | 9.8 | 14.8 | 410.6 | 73.0 | 149.9 | 797.4 | 2,791.5 | *724.8* | *410.6* |
| 1965 | 1,324.4 | 909.4 | 161.1 | 17.0 | 21.8 | 453.2 | 68.9 | 201.1 | 923.2 | 3,157.0 | *909.4* | *453.2* |
| 1970 | 1,571.4 | 1,077.2 | 200.7 | 32.8 | 32.9 | 558.4 | 40.5 | 217.2 | 1,082.5 | 3,731.1 | *1,077.2* | *558.4* |
| 1971 | 1,490.5 | 1,112.1 | 205.1 | 36.2 | 33.9 | 568.2 | 33.0 | 205.9 | 1,082.3 | 3,684.9 | *1,112.1* | *568.2* |
| 1972 | 1,561.0 | 1,174.2 | 241.2 | 39.1 | 38.2 | 596.7 | 36.8 | 211.9 | 1,163.9 | 3,899.1 | *1,174.2* | *596.7* |
| 1973 | 1,622.8 | 1,131.8 | 244.3 | 39.2 | 38.6 | 626.5 | 44.8 | 229.1 | 1,222.3 | 3,976.9 | *1,131.8* | *626.5* |
| 1974 | 1,642.1 | 1,114.9 | 240.4 | 32.6 | 38.1 | 617.8 | 52.8 | 215.0 | 1,196.7 | 3,953.8 | *1,114.9* | *617.8* |
| 1975 | 1,619.0 | 978.9 | 245.6 | 33.9 | 36.8 | 624.1 | 65.4 | 206.4 | 1,212.2 | 3,810.1 | *978.9* | *624.1* |
| 1976 | 1,653.3 | 1,031.1 | 298.6 | 35.9 | 38.5 | 642.0 | 72.9 | 219.1 | 1,307.1 | 3,991.6 | *1,031.1* | *642.0* |
| 1977 | 1,669.2 | 867.8 | 304.3 | 38.7 | 38.6 | 662.6 | 95.9 | 236.0 | 1,376.0 | 3,913.0 | *867.8* | *662.6* |
| 1978 | 1,622.4 | 951.0 | 318.5 | 39.8 | 41.9 | 667.1 | 88.7 | 243.3 | 1,399.2 | 3,972.6 | *951.0* | *667.1* |
| 1979 | 1,668.4 | 920.4 | 263.8 | 38.4 | 171.6 | 638.9 | 71.1 | 243.2 | 1,427.0 | 4,015.8 | *920.4* | *638.9* |
| 1980 | 1,528.1 | 841.1 | 284.5 | 40.6 | 162.6 | 594.8 | 43.5 | 221.2 | 1,347.2 | 3,716.4 | *911.3* | *594.8* |
| 1981 | 1,534.9 | 818.9 | 262.8 | 32.4 | 144.6 | 578.8 | 36.8 | 183.1 | 1,238.5 | 3,592.3 | *890.4* | *578.8* |
| 1982 | 1,392.0 | 770.4 | 235.3 | 30.9 | 147.5 | 556.3 | 15.4 | 169.6 | 1,154.9 | 3,317.4 | *837.1* | *556.3* |
| 1983 | 1,321.1 | 708.5 | 194.2 | 32.8 | 148.3 | 562.6 | 25.7 | 168.1 | 1,131.8 | 3,161.4 | *772.7* | *562.6* |
| 1984 | 1,361.8 | 768.9 | 211.0 | 38.5 | 105.2 | 572.8 | 17.6 | 178.2 | 1,123.3 | 3,254.0 | *814.4* | *572.8* |
| 1985 | 1,389.5 | 739.9 | 213.4 | 40.6 | 100.6 | 571.3 | 14.6 | 164.9 | 1,105.4 | 3,234.7 | *765.4* | *571.3* |
| 1986 | 1,431.8 | 744.3 | 209.6 | 56.0 | 53.3 | 588.0 | 14.5 | 176.3 | 1,097.9 | 3,274.0 | *749.7* | *588.0* |
| 1987 | 1,433.1 | 747.1 | 202.7 | 61.0 | 58.2 | 609.8 | 13.1 | 199.9 | 1,144.6 | 3,324.8 | *747.1* | *609.8* |
| 1988 | 1,474.7 | 837.5 | 219.6 | 52.0 | 40.3 | 615.0 | 17.7 | 187.5 | 1,132.1 | 3,444.3 | *837.5* | *615.0* |
| 1989 | 1,468.6 | 848.0 | 229.1 | 58.7 | 48.7 | 601.9 | 14.5 | 214.9 | 1,167.7 | 3,484.3 | *848.3* | *601.9* |
| 1990 | 1,425.3 | 775.7 | 218.9 | 59.9 | 39.9 | 580.4 | 10.4 | 212.8 | 1,122.2 | 3,323.3 | *776.6* | *580.4* |
| 1991 | 1,413.4 | 798.4 | 206.4 | 58.8 | 40.2 | 577.4 | 8.4 | 195.7 | 1,086.9 | 3,298.7 | *799.3* | *577.4* |
| 1992 | 1,416.9 | 838.2 | 218.6 | 60.1 | 53.0 | 571.0 | 10.1 | 217.8 | 1,130.6 | 3,385.7 | *839.3* | *571.0* |
| 1993 | 1,431.6 | 864.6 | 226.1 | 60.2 | 54.3 | R 586.5 | 13.4 | 199.1 | R 1,139.7 | R 3,435.9 | *865.6* | *602.8* |
| 1994 | 1,386.1 | 871.3 | 236.2 | 66.1 | 55.4 | R 572.8 | 12.7 | 211.0 | R 1,154.1 | R 3,411.6 | *872.8* | *591.9* |
| 1995 | 1,379.8 | 923.0 | 234.2 | 63.7 | 51.7 | R 588.2 | 8.9 | 205.6 | R 1,152.4 | R 3,455.2 | *923.9* | *606.1* |
| 1996 | 1,447.1 | 966.7 | 256.5 | 67.8 | 57.9 | R 594.7 | 10.6 | 241.0 | R 1,228.4 | R 3,642.2 | *968.6* | *601.7* |
| 1997 | 1,407.2 | 936.8 | 274.2 | 71.5 | 40.2 | R 604.1 | 7.8 | 261.8 | R 1,259.6 | R 3,603.6 | *938.2* | *616.9* |
| 1998 | 1,450.2 | 842.6 | 266.6 | 78.5 | 31.4 | R 606.3 | 5.8 | 257.2 | R 1,245.8 | R 3,538.6 | *843.9* | *625.1* |
| 1999 | 1,382.2 | 871.9 | 279.5 | 93.3 | 46.8 | R 610.8 | 7.7 | 276.3 | R 1,314.4 | R 3,568.5 | *873.2* | *630.0* |
| 2000 | 1,428.5 | 926.9 | 284.3 | 105.8 | 43.1 | R 612.4 | 9.5 | 241.7 | R 1,296.8 | R 3,652.2 | *928.4* | *632.0* |
| 2001 | 1,362.8 | 836.8 | 288.1 | 105.3 | 35.3 | R 615.5 | 6.5 | 241.8 | R 1,292.7 | R 3,492.3 | *838.0* | *632.8* |
| 2002 | 1,396.9 | 862.5 | 295.4 | 99.2 | 48.4 | R 626.1 | 6.1 | 231.2 | R 1,306.3 | R 3,565.7 | *862.5* | *643.0* |
| 2003 | 1,443.5 | 877.9 | 295.9 | 100.3 | 74.9 | R 631.5 | 3.6 | 227.7 | R 1,333.9 | R 3,655.3 | *878.9* | *647.1* |
| 2004 | 1,391.3 | 862.4 | 324.8 | 105.7 | 39.7 | R 634.0 | 4.7 | 239.5 | R 1,348.3 | R 3,602.0 | *862.9* | *649.4* |
| 2005 | 1,481.0 | 860.9 | 312.1 | 105.5 | 48.2 | R 631.8 | 9.0 | 215.3 | R 1,321.9 | R 3,663.8 | *861.5* | *650.7* |
| 2006 | 1,450.8 | 770.9 | 322.1 | 104.8 | 43.8 | R 628.3 | 8.6 | R 213.9 | R 1,321.5 | R 3,543.1 | *771.3* | *648.9* |
| 2007 | 1,463.8 | 835.6 | 337.0 | 102.9 | 32.4 | R 622.0 | 5.7 | R 221.9 | R 1,321.9 | R 3,621.2 | *836.2* | *647.7* |
| 2008 | 1,438.4 | R 823.5 | R 299.9 | 102.0 | 29.7 | R 598.9 | 8.2 | R 220.4 | R 1,259.0 | R 3,520.9 | R *823.9* | *634.3* |
| 2009 | 1,267.3 | 768.3 | 274.4 | 72.3 | 32.7 | 584.9 | 2.0 | 198.9 | 1,165.2 | 3,200.8 | *768.9* | *624.4* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Ohio (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.2 | 36.8 | NA | NA | 36.8 | 0.0 | NA | NA | 37.0 | 167.0 | 0.0 | R 2,995.4 |
| 1965 | 0.3 | 0.1 | 38.6 | NA | NA | 38.6 | 0.0 | NA | NA | 38.7 | R 178.8 | 0.0 | R 3,374.7 |
| 1970 | 0.0 | 0.1 | 44.1 | NA | NA | 44.1 | 0.0 | NA | NA | 44.1 | R 168.5 | 0.0 | R 3,943.7 |
| 1971 | 0.0 | 0.1 | 43.4 | NA | NA | 43.4 | 0.0 | NA | NA | 43.5 | R 153.7 | 0.0 | R 3,882.1 |
| 1972 | 0.0 | 0.1 | 44.8 | NA | NA | 44.8 | 0.0 | NA | NA | 44.9 | R 193.8 | 0.0 | R 4,137.9 |
| 1973 | 0.0 | 0.1 | 46.5 | NA | NA | 46.5 | 0.0 | NA | NA | 46.6 | R 208.2 | 0.0 | R 4,231.7 |
| 1974 | 0.0 | 0.1 | 48.3 | NA | NA | 48.3 | 0.0 | NA | NA | 48.4 | R 209.7 | 0.0 | R 4,211.9 |
| 1975 | 0.0 | 0.1 | 46.2 | NA | NA | 46.2 | 0.0 | NA | NA | 46.3 | R 135.3 | 0.0 | R 3,991.8 |
| 1976 | 0.0 | 0.1 | 52.8 | NA | NA | 52.8 | 0.0 | NA | NA | 52.8 | R 184.3 | 0.0 | R 4,228.7 |
| 1977 | 5.0 | 0.1 | 58.5 | NA | NA | 58.5 | 0.0 | NA | NA | 58.6 | R 247.1 | 0.0 | R 4,223.8 |
| 1978 | 26.5 | (s) | 69.6 | NA | NA | 69.6 | 0.0 | NA | NA | 69.6 | R 236.4 | 0.0 | R 4,305.2 |
| 1979 | 34.4 | (s) | 74.6 | NA | NA | 74.6 | 0.0 | NA | NA | 74.7 | R 180.0 | 0.0 | R 4,304.9 |
| 1980 | 23.1 | 0.1 | 107.3 | NA | NA | 107.3 | 0.0 | NA | NA | 107.4 | R 150.0 | 0.0 | R 3,996.9 |
| 1981 | 48.6 | 0.1 | 112.9 | 0.1 | 0.0 | 113.0 | 0.0 | NA | NA | 113.0 | R 133.0 | 0.0 | R 3,886.9 |
| 1982 | 35.7 | 0.1 | 112.2 | 0.8 | 1.3 | 114.3 | 0.0 | NA | NA | 114.3 | R 70.7 | 0.0 | R 3,538.1 |
| 1983 | 53.5 | 1.4 | 124.3 | 3.9 | 2.5 | R 130.7 | 0.0 | NA | 0.0 | R 132.1 | R 124.4 | 0.0 | R 3,471.4 |
| 1984 | 46.8 | 1.7 | 119.9 | 3.9 | 2.9 | R 126.7 | 0.0 | 0.0 | 0.0 | R 128.4 | R 244.1 | 0.0 | R 3,673.3 |
| 1985 | 20.6 | 1.8 | 121.9 | 4.5 | 3.1 | R 129.5 | 0.0 | 0.0 | 0.0 | R 131.3 | R 262.1 | 0.0 | R 3,648.8 |
| 1986 | 0.3 | 1.8 | 108.6 | 6.1 | 3.3 | R 118.0 | 0.0 | 0.0 | 0.0 | R 119.8 | R 227.6 | 0.0 | R 3,621.8 |
| 1987 | 78.4 | 2.3 | 111.9 | 7.5 | 3.6 | R 123.1 | 0.0 | 0.0 | 0.0 | R 125.4 | R 209.2 | 0.0 | R 3,737.8 |
| 1988 | 89.6 | 1.9 | 117.7 | 8.3 | 3.6 | R 129.6 | 0.0 | 0.0 | 0.0 | R 131.5 | R 208.1 | 0.0 | R 3,873.5 |
| 1989 | 134.0 | 1.4 | 97.4 | 9.6 | 3.4 | R 110.4 | 0.3 | (s) | 0.0 | R 112.1 | R 252.6 | 0.0 | R 3,983.0 |
| 1990 | 112.8 | 1.9 | 66.1 | 8.8 | 2.8 | R 77.7 | 0.3 | (s) | 0.0 | R 80.0 | R 317.0 | 0.0 | R 3,833.0 |
| 1991 | 155.5 | 1.6 | 70.8 | 9.2 | 3.3 | R 83.3 | 0.4 | (s) | 0.0 | R 85.3 | R 274.6 | 0.0 | R 3,814.1 |
| 1992 | 155.0 | 2.6 | 66.7 | 11.5 | 2.9 | R 81.1 | 0.4 | (s) | 0.0 | R 84.1 | R 240.4 | 0.0 | R 3,865.3 |
| 1993 | 105.2 | 2.0 | 44.2 | 16.3 | 3.1 | R 63.6 | 0.4 | (s) | 0.0 | R 66.0 | R 300.1 | 0.0 | R 3,907.2 |
| 1994 | 114.5 | 2.0 | 69.0 | 19.1 | 3.7 | R 91.8 | 0.5 | (s) | 0.0 | R 94.3 | R 381.6 | 0.0 | R 4,001.9 |
| 1995 | 176.2 | 2.4 | 65.3 | 17.9 | 1.7 | R 84.9 | 0.5 | (s) | 0.0 | R 87.8 | R 365.5 | 0.0 | R 4,084.7 |
| 1996 | 146.2 | 4.1 | 74.2 | 7.0 | 0.0 | R 81.3 | 0.6 | (s) | 0.0 | R 86.0 | R 317.0 | 0.0 | R 4,191.5 |
| 1997 | 160.9 | 5.2 | 68.3 | 12.8 | 0.0 | R 81.1 | 0.6 | 0.1 | 0.0 | R 86.9 | R 326.4 | 0.0 | R 4,177.8 |
| 1998 | 172.8 | 4.1 | 62.3 | 18.8 | 0.0 | R 81.0 | 0.7 | 0.1 | 0.0 | R 86.0 | R 283.9 | 0.0 | R 4,081.3 |
| 1999 | 171.6 | 4.3 | 69.4 | 19.2 | 0.0 | R 88.6 | 0.8 | 0.1 | 0.0 | R 93.8 | R 394.6 | 0.0 | R 4,228.5 |
| 2000 | 175.0 | 5.9 | 72.8 | 19.6 | 0.0 | R 92.4 | 0.8 | 0.1 | 0.0 | R 99.2 | R 329.0 | 0.0 | R 4,255.4 |
| 2001 | 161.5 | 5.3 | 44.9 | 17.2 | 0.0 | R 62.1 | 0.8 | 0.1 | 0.0 | R 68.3 | R 282.9 | 0.0 | R 4,005.1 |
| 2002 | 113.5 | 5.0 | 32.2 | 16.9 | 0.0 | R 49.0 | 0.9 | 0.1 | 0.0 | R 55.1 | R 235.1 | (s) | R 3,969.2 |
| 2003 | 88.3 | 5.2 | 41.5 | 15.6 | 0.0 | R 57.1 | 1.2 | 0.1 | 0.0 | R 63.6 | R 195.9 | (s) | R 4,003.1 |
| 2004 | 166.3 | 7.3 | 42.5 | 15.4 | 0.0 | R 57.9 | 1.3 | 0.2 | 0.0 | R 66.7 | R 186.6 | -0.2 | R 4,021.4 |
| 2005 | 154.5 | 5.2 | R 47.3 | 18.9 | 0.1 | R 66.2 | 1.5 | 0.2 | 0.1 | R 73.2 | R 158.2 | -1.2 | R 4,048.5 |
| 2006 | 175.8 | 6.3 | R 47.1 | 20.6 | 0.2 | R 67.9 | 1.7 | 0.2 | 0.1 | R 76.2 | R 88.0 | 2.1 | R 3,885.3 |
| 2007 | 165.3 | 4.1 | R 50.4 | 25.7 | 0.1 | R 76.2 | 2.0 | 0.2 | 0.1 | R 82.6 | R 163.5 | 1.0 | R 4,033.7 |
| 2008 | 183.1 | 3.8 | R 53.1 | 35.4 | 19.0 | R 107.6 | 2.3 | 0.3 | 0.1 | R 114.2 | R 156.3 | 0.0 | R 3,974.5 |
| 2009 | 159.1 | 5.2 | 51.2 | 39.5 | 14.8 | 105.5 | 2.9 | 0.4 | 0.1 | 114.1 | 159.7 | (s) | 3,633.7 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 29,691 | 697 | 23,812 | 1,808 | 3,680 | 78,170 | 11,511 | 24,677 | 143,658 | 12 | – – | – – | – – | – – | 57,718 | – – | – – | – – |
| 1965 | 29,099 | 877 | 27,544 | 3,075 | 5,441 | 86,271 | 10,859 | 33,792 | 166,982 | 1 | – – | – – | – – | – – | 66,702 | – – | – – | – – |
| 1970 | 31,542 | 1,032 | 33,667 | 5,857 | 8,712 | 106,296 | 5,748 | 36,273 | 196,553 | 0 | – – | – – | – – | – – | 85,220 | – – | – – | – – |
| 1975 | 23,443 | 951 | 39,713 | 5,926 | 9,910 | 118,808 | 9,087 | 34,230 | 217,674 | 0 | – – | – – | – – | – – | 103,579 | – – | – – | – – |
| 1980 | 16,377 | 892 | 47,190 | 7,219 | 44,263 | 113,232 | 6,313 | 37,425 | 255,644 | 0 | – – | – – | – – | – – | 112,111 | – – | – – | – – |
| 1985 | 11,279 | 732 | 36,121 | 7,204 | 27,919 | 108,763 | 2,181 | 27,522 | 209,710 | 0 | – – | – – | – – | – – | 124,275 | – – | – – | – – |
| 1990 | 10,357 | 745 | 37,128 | 10,602 | 10,994 | 110,487 | 1,520 | 35,393 | 206,125 | 0 | – – | – – | – – | – – | 142,465 | – – | – – | – – |
| 1995 | 6,795 | 883 | 39,561 | 11,236 | 14,273 | 116,222 | 1,422 | 34,252 | 216,967 | 0 | – – | – – | – – | – – | 158,626 | – – | – – | – – |
| 2000 | 4,512 | 881 | 48,022 | 18,655 | 11,961 | 121,297 | 1,498 | 40,107 | 241,540 | 0 | – – | – – | – – | – – | 165,195 | – – | – – | – – |
| 2001 | 4,590 | 794 | 48,680 | 18,579 | 9,779 | 121,450 | 1,021 | 39,955 | 239,464 | 0 | – – | – – | – – | – – | 155,798 | – – | – – | – – |
| 2002 | 3,692 | 808 | 50,036 | 17,489 | 13,392 | 123,465 | 958 | 38,333 | 243,673 | 0 | – – | – – | – – | – – | 153,407 | – – | – – | – – |
| 2003 | 3,839 | 830 | 49,932 | 17,685 | 20,632 | 124,282 | 571 | 37,842 | 250,944 | 0 | – – | – – | – – | – – | 152,230 | – – | – – | – – |
| 2004 | 4,029 | 807 | 55,015 | 18,635 | 10,965 | 124,517 | 750 | 37,869 | 247,752 | 0 | – – | – – | – – | – – | 154,221 | – – | – – | – – |
| 2005 | 4,219 | 798 | 52,855 | 18,615 | 13,308 | 124,698 | 1,424 | 33,910 | 244,810 | 0 | – – | – – | – – | – – | 160,176 | – – | – – | – – |
| 2006 | 4,412 | 719 | 54,709 | 18,486 | 12,137 | 124,364 | 1,375 | 33,474 | 244,545 | 0 | – – | – – | – – | – – | 153,429 | – – | – – | – – |
| 2007 | 4,421 | 769 | 57,268 | 18,145 | 9,022 | 124,107 | 909 | 35,288 | 244,739 | 0 | – – | – – | – – | – – | 161,771 | – – | – – | – – |
| 2008 | 4,491 | 769 | 50,957 | 17,998 | 8,252 | 121,561 | 1,297 | 34,575 | 234,640 | 0 | – – | – – | – – | – – | 159,389 | – – | – – | – – |
| 2009 | 3,762 | 701 | 46,628 | 12,744 | 9,201 | 119,656 | 322 | 31,093 | 219,643 | 0 | – – | – – | – – | – – | 146,300 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 756.8 | 721.7 | 138.7 | 9.8 | 14.8 | 410.6 | 72.4 | 149.9 | 796.2 | 0.1 | 36.7 | NA | NA | NA | 196.9 | 2,508.4 | 487.0 | 2,995.4 |
| 1965 | 737.1 | 906.3 | 160.4 | 17.0 | 21.8 | 453.2 | 68.3 | 201.1 | 921.8 | (s) | 38.5 | NA | NA | NA | 227.6 | 2,831.4 | 543.3 | 3,374.7 |
| 1970 | 776.7 | 1,055.3 | 196.1 | 32.8 | 32.9 | 558.4 | 36.1 | 217.2 | 1,073.5 | 0.0 | 44.0 | NA | NA | NA | 290.8 | 3,240.3 | 703.4 | 3,943.7 |
| 1975 | 581.8 | 973.6 | 231.3 | 33.3 | 36.8 | 624.1 | 57.1 | 206.4 | 1,189.0 | 0.0 | 46.2 | NA | NA | NA | 353.4 | 3,144.0 | 847.7 | 3,991.8 |
| 1980 | 417.6 | 906.6 | 274.9 | 40.6 | 162.6 | 594.8 | 39.7 | 221.2 | 1,333.8 | 0.0 | 107.3 | NA | NA | NA | 382.5 | 3,077.9 | 918.9 | 3,996.9 |
| 1985 | 286.2 | 764.7 | 210.4 | 40.6 | 100.6 | 571.3 | 13.7 | 164.9 | 1,101.5 | 0.0 | 119.1 | 3.1 | NA | NA | 424.0 | 2,677.6 | 971.2 | 3,648.8 |
| 1990 | 264.0 | 775.3 | 216.3 | 59.9 | 39.9 | 580.4 | 9.6 | 212.8 | 1,118.8 | 0.0 | 62.5 | 2.8 | 0.3 | (s) | 486.1 | 2,717.7 | 1,115.4 | 3,833.0 |
| 1995 | 172.9 | 916.3 | 230.4 | 63.7 | 51.7 | 606.1 | 8.9 | 205.6 | 1,166.5 | 0.0 | 64.7 | 1.7 | 0.5 | (s) | 541.2 | 2,863.0 | 1,221.7 | 4,084.7 |
| 2000 | 116.0 | 918.1 | 279.7 | 105.8 | 43.1 | 632.0 | 9.4 | 241.7 | 1,311.7 | 0.0 | 71.7 | 0.0 | 0.8 | 0.1 | 563.6 | 2,980.6 | 1,274.8 | 4,255.4 |
| 2001 | 119.6 | 827.3 | 283.6 | 105.3 | 35.3 | 632.8 | 6.4 | 241.8 | 1,305.2 | 0.0 | 43.9 | 0.0 | 0.8 | 0.1 | 531.6 | 2,827.3 | 1,177.8 | 4,005.1 |
| 2002 | 95.2 | 839.3 | 291.5 | 99.2 | 48.4 | 643.0 | 6.0 | 231.2 | 1,319.2 | 0.0 | 31.2 | 0.0 | 0.9 | 0.1 | 523.4 | 2,809.3 | 1,159.9 | 3,969.2 |
| 2003 | 99.7 | 859.5 | 290.9 | 100.3 | 74.9 | 647.1 | 3.6 | 227.7 | 1,344.5 | 0.0 | 40.2 | 0.0 | 1.2 | 0.1 | 519.4 | 2,863.7 | 1,139.4 | 4,003.1 |
| 2004 | 103.4 | 844.1 | 320.5 | 105.7 | 39.7 | 649.4 | 4.7 | 228.1 | 1,348.0 | 0.0 | 41.4 | 0.0 | 1.3 | 0.2 | 526.2 | 2,864.0 | 1,157.4 | 4,021.4 |
| 2005 | 108.0 | 832.7 | 307.9 | 105.5 | 48.2 | 650.7 | 9.0 | 204.2 | 1,325.4 | 0.0 | 46.2 | 0.1 | 1.5 | 0.2 | 546.5 | 2,860.1 | 1,188.4 | 4,048.5 |
| 2006 | 113.6 | 747.4 | 318.7 | 104.8 | 43.8 | 648.9 | 8.6 | 202.8 | 1,327.6 | 0.0 | 46.1 | 0.2 | 1.7 | 0.2 | 523.5 | 2,759.9 | 1,125.4 | 3,885.3 |
| 2007 | 113.9 | 797.7 | 333.6 | 102.9 | 32.4 | 647.7 | 5.7 | 212.8 | 1,335.1 | 0.0 | 49.3 | 0.1 | 2.0 | 0.2 | 552.0 | 2,849.8 | 1,183.9 | 4,033.7 |
| 2008 | 116.2 | 799.7 | 296.8 | 102.0 | 29.7 | 634.3 | 8.2 | 208.9 | 1,280.0 | 0.0 | 49.6 | 19.0 | 2.3 | 0.3 | 543.8 | 2,810.5 | 1,164.0 | 3,974.5 |
| 2009 | 97.1 | 730.0 | 271.6 | 72.3 | 32.7 | 624.4 | 2.0 | 188.3 | 1,191.3 | 0.0 | 48.2 | 14.8 | 2.9 | 0.4 | 499.2 | 2,583.3 | 1,050.4 | 3,633.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 2,013 | 362 | 7,270 | 1,837 | 1,725 | 10,832 | 990 | – – | – – | 10,786 | – – | – – | – – |
| 1965 | 1,285 | 412 | 7,795 | 3,626 | 2,261 | 13,682 | 805 | – – | – – | 14,504 | – – | – – | – – |
| 1970 | 906 | 460 | 9,320 | 2,979 | 3,837 | 16,136 | 925 | – – | – – | 22,266 | – – | – – | – – |
| 1975 | 340 | 428 | 10,776 | 2,060 | 4,808 | 17,644 | 963 | – – | – – | 27,890 | – – | – – | – – |
| 1980 | 117 | 394 | 7,430 | 1,016 | 2,520 | 10,966 | 2,421 | – – | – – | 33,459 | – – | – – | – – |
| 1985 | 189 | 328 | 4,645 | 941 | 3,292 | 8,878 | 2,516 | – – | – – | 33,945 | – – | – – | – – |
| 1990 | 131 | 308 | 4,740 | 625 | 4,146 | 9,510 | 1,560 | – – | – – | 37,889 | – – | – – | – – |
| 1995 | 53 | 358 | 3,998 | 748 | 4,908 | 9,655 | 838 | – – | – – | 44,010 | – – | – – | – – |
| 1996 | 79 | 375 | 3,777 | 818 | 6,588 | 11,184 | 871 | – – | – – | 44,573 | – – | – – | – – |
| 1997 | 36 | 355 | 3,325 | 774 | 6,376 | 10,475 | 567 | – – | – – | 43,635 | – – | – – | – – |
| 1998 | 43 | 297 | 2,893 | 774 | 5,514 | 9,182 | 504 | – – | – – | 44,516 | – – | – – | – – |
| 1999 | 26 | 318 | 3,432 | 1,295 | 7,378 | 12,105 | 530 | – – | – – | 46,629 | – – | – – | – – |
| 2000 | 24 | 344 | 2,999 | 419 | 6,377 | 9,796 | 570 | – – | – – | 46,488 | – – | – – | – – |
| 2001 | 25 | 309 | 2,764 | 442 | 4,250 | 7,456 | 758 | – – | – – | 47,346 | – – | – – | – – |
| 2002 | 43 | 321 | 3,175 | 329 | 5,189 | 8,693 | 770 | – – | – – | 50,864 | – – | – – | – – |
| 2003 | 26 | 343 | 3,242 | 369 | 6,202 | 9,813 | 810 | – – | – – | 49,621 | – – | – – | – – |
| 2004 | 46 | 321 | 3,348 | 485 | 4,922 | 8,754 | 831 | – – | – – | 50,300 | – – | – – | – – |
| 2005 | 27 | 323 | 2,860 | 442 | 4,868 | 8,170 | R 1,047 | – – | – – | 53,904 | – – | – – | – – |
| 2006 | 10 | 272 | 2,197 | 364 | 4,621 | 7,182 | R 953 | – – | – – | 51,375 | – – | – – | – – |
| 2007 | 14 | 300 | 2,514 | 243 | 5,036 | 7,794 | R 1,051 | – – | – – | 54,376 | – – | – – | – – |
| 2008 | 24 | 307 | R 2,079 | 136 | 5,296 | R 7,510 | R 1,100 | – – | – – | 53,411 | – – | – – | – – |
| 2009 | 22 | 292 | 1,844 | 209 | 5,929 | 7,981 | 1,051 | – – | – – | 51,405 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 48.0 | 374.5 | 42.3 | 10.4 | 6.9 | 59.7 | 19.8 | NA | NA | 36.8 | 538.8 | 91.0 | 629.8 |
| 1965 | 30.5 | 425.6 | 45.4 | 20.6 | 9.1 | 75.0 | 16.1 | NA | NA | 49.5 | 596.7 | R 118.1 | 714.9 |
| 1970 | 20.8 | 470.6 | 54.3 | 16.9 | 14.5 | 85.7 | 18.5 | NA | NA | 76.0 | 671.5 | R 183.8 | 855.3 |
| 1975 | 7.6 | 438.1 | 62.8 | 11.7 | 17.9 | 92.3 | 19.3 | NA | NA | 95.2 | 652.4 | R 228.3 | R 880.7 |
| 1980 | 2.7 | 400.1 | 43.3 | 5.8 | 9.3 | 58.3 | 48.4 | NA | NA | 114.2 | 592.4 | R 274.3 | R 866.6 |
| 1985 | 4.5 | 342.0 | 27.1 | 5.3 | 11.9 | 44.3 | 50.3 | NA | NA | 115.8 | 545.3 | R 265.3 | R 810.6 |
| 1990 | 3.2 | 320.7 | 27.6 | 3.5 | 15.0 | 46.2 | 31.2 | 0.3 | (s) | 129.3 | 530.5 | R 296.6 | R 827.1 |
| 1995 | 1.3 | 371.4 | 23.3 | 4.2 | 17.8 | 45.3 | 16.8 | 0.4 | (s) | 150.2 | 585.0 | R 339.0 | R 924.0 |
| 1996 | 1.9 | 389.1 | 22.0 | 4.6 | 23.8 | 50.4 | 17.4 | 0.5 | (s) | 152.1 | 610.6 | R 343.7 | R 954.3 |
| 1997 | 0.9 | 370.5 | 19.4 | 4.4 | 23.1 | 46.8 | 11.3 | 0.5 | 0.1 | 148.9 | 578.4 | R 335.1 | R 913.5 |
| 1998 | 1.1 | 308.5 | 16.9 | 4.4 | 19.9 | 41.2 | 10.1 | 0.5 | 0.1 | 151.9 | 512.8 | R 342.3 | R 855.1 |
| 1999 | 0.6 | 330.1 | 20.0 | 7.3 | 26.7 | 54.0 | 10.6 | 0.6 | 0.1 | 159.1 | 554.6 | R 361.7 | R 916.3 |
| 2000 | 0.6 | 358.5 | 17.5 | 2.4 | 23.0 | 42.9 | 11.4 | 0.6 | 0.1 | 158.6 | 572.0 | R 358.7 | R 930.7 |
| 2001 | 0.6 | 321.6 | 16.1 | 2.5 | 15.4 | 34.0 | 15.2 | 0.6 | 0.1 | 161.5 | 533.1 | R 357.9 | R 891.0 |
| 2002 | 1.0 | 333.6 | 18.5 | 1.9 | 18.7 | 39.1 | 15.4 | 0.7 | 0.1 | 173.5 | 563.5 | R 384.6 | R 948.1 |
| 2003 | 0.6 | 355.4 | 18.9 | 2.1 | 22.5 | 43.5 | 16.2 | 0.9 | 0.1 | 169.3 | 585.6 | R 371.4 | R 957.0 |
| 2004 | 1.0 | 335.4 | 19.5 | 2.7 | 17.8 | 40.1 | 16.6 | 0.9 | 0.2 | 171.6 | 565.5 | R 377.5 | R 943.0 |
| 2005 | 0.6 | 336.7 | 16.7 | 2.5 | 17.6 | 36.8 | R 20.9 | 1.1 | 0.2 | 183.9 | R 580.0 | R 399.9 | R 980.0 |
| 2006 | 0.2 | 282.9 | 12.8 | 2.1 | 16.7 | 31.5 | R 19.1 | 1.2 | 0.2 | 175.3 | R 510.3 | R 376.8 | R 887.2 |
| 2007 | 0.3 | 310.7 | 14.6 | 1.4 | 18.1 | 34.1 | R 21.0 | 1.5 | 0.2 | 185.5 | R 553.2 | R 398.0 | R 951.2 |
| 2008 | 0.6 | 318.9 | R 12.1 | 0.8 | 19.1 | R 31.9 | R 22.0 | 1.8 | 0.3 | 182.2 | R 557.5 | R 390.1 | R 947.6 |
| 2009 | 0.6 | 304.6 | 10.7 | 1.2 | 21.1 | 33.0 | 21.0 | 2.2 | 0.4 | 175.4 | 537.0 | 369.1 | 906.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 1,399 | 108 | 1,443 | 95 | 334 | 541 | 2,118 | 4,532 | NA | – – | – – | 7,594 | – – | – – | – – |
| 1965 | 969 | 127 | 1,548 | 188 | 437 | 572 | 1,997 | 4,743 | NA | – – | – – | 10,384 | – – | – – | – – |
| 1970 | 712 | 183 | 1,850 | 155 | 742 | 401 | 824 | 3,972 | NA | – – | – – | 17,073 | – – | – – | – – |
| 1975 | 792 | 169 | 2,139 | 107 | 929 | 956 | 1,457 | 5,589 | NA | – – | – – | 20,047 | – – | – – | – – |
| 1980 | 439 | 166 | 2,591 | 130 | 487 | 2,058 | 380 | 5,646 | NA | – – | – – | 23,323 | – – | – – | – – |
| 1985 | 670 | 143 | 2,114 | 440 | 636 | 604 | 83 | 3,877 | NA | – – | – – | 29,176 | – – | – – | – – |
| 1990 | 523 | 144 | 1,920 | 189 | 801 | 1,059 | 22 | 3,991 | 0 | – – | – – | 34,850 | – – | – – | – – |
| 1995 | 356 | 175 | 1,709 | 89 | 949 | 438 | 5 | 3,189 | 0 | – – | – – | 40,093 | – – | – – | – – |
| 1996 | 577 | 190 | 1,335 | 155 | 1,274 | 365 | 2 | 3,130 | 0 | – – | – – | 40,570 | – – | – – | – – |
| 1997 | 293 | 184 | 1,402 | 127 | 1,233 | 1,956 | 2 | 4,719 | 0 | – – | – – | 40,935 | – – | – – | – – |
| 1998 | 348 | 157 | 1,124 | 218 | 1,066 | 744 | 1 | 3,153 | 0 | – – | – – | 42,232 | – – | – – | – – |
| 1999 | 191 | 168 | 1,810 | 129 | 1,426 | 175 | 0 | 3,541 | 0 | – – | – – | 43,297 | – – | – – | – – |
| 2000 | 192 | 178 | 1,740 | 132 | 1,233 | 525 | 0 | 3,630 | 0 | – – | – – | 44,635 | – – | – – | – – |
| 2001 | 205 | 173 | 1,886 | 147 | 822 | 213 | 1 | 3,068 | 0 | – – | – – | 43,310 | – – | – – | – – |
| 2002 | 314 | 163 | 2,256 | 93 | 1,003 | 403 | 4 | 3,759 | 0 | – – | – – | 44,029 | – – | – – | – – |
| 2003 | 176 | 180 | 1,753 | 203 | 1,199 | 212 | 2 | 3,369 | 0 | – – | – – | 44,737 | – – | – – | – – |
| 2004 | 410 | 170 | 1,932 | 258 | 1,044 | 189 | 101 | 3,523 | 0 | – – | – – | 45,313 | – – | – – | – – |
| 2005 | 307 | 167 | 1,270 | 224 | 1,076 | 275 | 108 | 2,953 | 0 | – – | – – | 46,870 | – – | – – | – – |
| 2006 | 100 | 147 | 1,534 | 161 | 690 | 454 | 28 | 2,867 | 0 | – – | – – | 46,141 | – – | – – | – – |
| 2007 | 127 | 161 | 1,765 | 84 | 959 | 458 | 1 | 3,267 | 0 | – – | – – | 48,129 | – – | – – | – – |
| 2008 | 218 | 167 | R 1,966 | 44 | 1,054 | 380 | 8 | R 3,452 | 0 | – – | – – | 47,310 | – – | – – | – – |
| 2009 | 195 | 161 | 2,542 | 28 | 1,088 | 321 | 1 | 3,980 | 0 | – – | – – | 45,370 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 33.4 | 111.7 | 8.4 | 0.5 | 1.3 | 2.8 | 13.3 | 26.4 | NA | 0.4 | NA | 25.9 | 197.8 | 64.1 | 261.9 |
| 1965 | 23.0 | 131.0 | 9.0 | 1.1 | 1.8 | 3.0 | 12.6 | 27.4 | NA | 0.3 | NA | 35.4 | 217.2 | 84.6 | 301.8 |
| 1970 | 16.3 | 187.6 | 10.8 | 0.9 | 2.8 | 2.1 | 5.2 | 21.7 | NA | 0.3 | NA | 58.3 | 284.3 | R 140.9 | R 425.2 |
| 1975 | 17.7 | 173.4 | 12.5 | 0.6 | 3.5 | 5.0 | 9.2 | 30.7 | NA | 0.4 | NA | 68.4 | 290.6 | R 164.1 | R 454.7 |
| 1980 | 10.2 | 168.9 | 15.1 | 0.7 | 1.8 | 10.8 | 2.4 | 30.8 | NA | 1.2 | NA | 79.6 | 277.5 | R 191.2 | R 468.6 |
| 1985 | 16.0 | 149.6 | 12.3 | 2.5 | 2.3 | 3.2 | 0.5 | 20.8 | NA | 1.2 | NA | 99.5 | 282.1 | R 228.0 | R 510.1 |
| 1990 | 12.6 | 149.2 | 11.2 | 1.1 | 2.9 | 5.6 | 0.1 | 20.9 | 0.0 | 3.6 | 0.0 | 118.9 | 305.2 | R 272.8 | R 578.0 |
| 1995 | 8.7 | 181.8 | 10.0 | 0.5 | 3.4 | 2.3 | (s) | 16.2 | 0.0 | 2.5 | 0.1 | 136.8 | 345.9 | R 308.8 | R 654.7 |
| 1996 | 13.7 | 197.2 | 7.8 | 0.9 | 4.6 | 1.9 | (s) | 15.2 | 0.0 | 2.5 | 0.1 | 138.4 | 366.8 | R 312.8 | R 679.6 |
| 1997 | 7.0 | 192.1 | 8.2 | 0.7 | 4.5 | 10.2 | (s) | 23.6 | 0.0 | 2.6 | 0.2 | 139.7 | 364.8 | R 314.4 | R 679.2 |
| 1998 | 8.8 | 162.9 | 6.5 | 1.2 | 3.9 | 3.9 | (s) | 15.5 | 0.0 | 2.2 | 0.2 | 144.1 | 333.5 | R 324.7 | R 658.2 |
| 1999 | 4.6 | 173.8 | 10.5 | 0.7 | 5.2 | 0.9 | 0.0 | 17.3 | 0.0 | 2.2 | 0.2 | 147.7 | 345.6 | R 335.8 | R 681.5 |
| 2000 | 4.6 | 185.4 | 10.1 | 0.7 | 4.4 | 2.7 | 0.0 | 18.1 | 0.0 | 2.4 | 0.2 | 152.3 | 362.7 | R 344.4 | R 707.2 |
| 2001 | 4.9 | 179.9 | 11.0 | 0.8 | 3.0 | 1.1 | (s) | 15.9 | 0.0 | 2.9 | 0.2 | 147.8 | 351.4 | R 327.4 | R 678.8 |
| 2002 | 7.6 | 169.5 | 13.1 | 0.5 | 3.6 | 2.1 | (s) | 19.4 | 0.0 | 3.5 | 0.3 | 150.2 | 350.5 | R 332.9 | R 683.4 |
| 2003 | 4.3 | 186.1 | 10.2 | 1.2 | 4.4 | 1.1 | (s) | 16.8 | 0.0 | 3.5 | 0.4 | 152.6 | 363.5 | R 334.9 | R 698.3 |
| 2004 | 8.8 | 178.0 | 11.3 | 1.5 | 3.8 | 1.0 | 0.6 | 18.1 | 0.0 | 3.5 | 0.4 | 154.6 | 363.2 | R 340.1 | R 703.3 |
| 2005 | 7.4 | 173.9 | 7.4 | 1.3 | 3.9 | 1.4 | 0.7 | 14.7 | 0.0 | R 3.4 | 0.5 | 159.9 | R 359.7 | R 347.7 | R 707.4 |
| 2006 | 2.4 | 152.7 | 8.9 | 0.9 | 2.5 | 2.4 | 0.2 | 14.9 | 0.0 | R 3.1 | 0.5 | 157.4 | R 330.9 | R 338.4 | R 669.4 |
| 2007 | 3.1 | 166.6 | 10.3 | 0.5 | 3.4 | 2.4 | (s) | 16.6 | 0.0 | R 4.0 | 0.5 | 164.2 | R 354.9 | R 352.2 | R 707.1 |
| 2008 | 5.8 | 173.8 | R 11.5 | 0.2 | 3.8 | 2.0 | 0.1 | R 17.5 | 0.0 | R 3.5 | 0.6 | 161.4 | R 362.5 | R 345.5 | R 708.0 |
| 2009 | 5.2 | 167.7 | 14.8 | 0.2 | 3.9 | 1.7 | (s) | 20.5 | 0.0 | 3.5 | 0.7 | 154.8 | 352.3 | 325.8 | 678.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 25,835 | 218 | 7,112 | 1,585 | 3,354 | 9,082 | 19,969 | 41,102 | 12 | – – | – – | – – | 39,246 | – – | – – | – – |
| 1965 | 26,758 | 327 | 8,479 | 2,649 | 2,598 | 8,228 | 26,590 | 48,544 | 1 | – – | – – | – – | 41,757 | – – | – – | – – |
| 1970 | 29,875 | 376 | 11,429 | 3,999 | 1,926 | 4,166 | 31,186 | 52,706 | 0 | – – | – – | – – | 45,827 | – – | – – | – – |
| 1975 | 22,307 | 345 | 11,150 | 3,993 | 1,519 | 7,038 | 29,950 | 53,651 | 0 | – – | – – | – – | 55,597 | – – | – – | – – |
| 1980 | 15,821 | 321 | 12,591 | 41,031 | 1,154 | 5,678 | 34,381 | 94,834 | 0 | – – | – – | – – | 55,283 | – – | – – | – – |
| 1985 | 10,420 | 253 | 6,944 | 23,612 | 1,074 | 2,098 | 24,514 | 58,242 | 0 | – – | – – | – – | 61,109 | – – | – – | – – |
| 1990 | 9,703 | 284 | 5,973 | 5,689 | 973 | 1,493 | 32,881 | 47,010 | 0 | – – | – – | – – | 69,682 | – – | – – | – – |
| 1995 | 6,386 | 332 | 5,861 | 8,159 | 1,200 | 1,362 | 31,788 | 48,370 | 0 | – – | – – | – – | 74,473 | – – | – – | – – |
| 1996 | 5,636 | 345 | 5,609 | 7,922 | 1,203 | 1,600 | 37,492 | 53,827 | 0 | – – | – – | – – | 73,394 | – – | – – | – – |
| 1997 | 5,599 | 336 | 5,721 | 3,219 | 1,231 | 1,185 | 40,608 | 51,964 | 0 | – – | – – | – – | 73,888 | – – | – – | – – |
| 1998 | 5,510 | 332 | 5,369 | 1,998 | 1,311 | 846 | 39,924 | 49,449 | 0 | – – | – – | – – | 72,998 | – – | – – | – – |
| 1999 | 5,156 | 327 | 5,271 | 3,936 | 1,126 | 1,193 | 42,770 | 54,295 | 0 | – – | – – | – – | 74,293 | – – | – – | – – |
| 2000 | 4,296 | 340 | 4,868 | 4,206 | 707 | 1,485 | 37,851 | 49,117 | 0 | – – | – – | – – | 74,019 | – – | – – | – – |
| 2001 | 4,360 | 297 | 5,471 | 4,507 | 1,874 | 952 | 37,857 | 50,660 | 0 | – – | – – | – – | 65,099 | – – | – – | – – |
| 2002 | 3,336 | 307 | 5,451 | 7,021 | 1,976 | 852 | 36,424 | 51,723 | 0 | – – | – – | – – | 58,472 | – – | – – | – – |
| 2003 | 3,637 | 291 | 6,201 | 12,964 | 2,098 | 553 | 35,896 | 57,712 | 0 | – – | – – | – – | 57,828 | – – | – – | – – |
| 2004 | 3,573 | 303 | 6,576 | 4,776 | 2,408 | 648 | 35,748 | 50,155 | 0 | – – | – – | – – | 58,558 | – – | – – | – – |
| 2005 | 3,885 | 295 | 6,017 | 7,096 | 2,349 | 1,315 | 31,881 | 48,659 | 0 | – – | – – | – – | 59,354 | – – | – – | – – |
| 2006 | 4,303 | 287 | 5,941 | 6,564 | 2,440 | 1,346 | R 31,396 | R 47,688 | 0 | – – | – – | – – | 55,869 | – – | – – | – – |
| 2007 | 4,279 | 295 | 5,883 | 2,829 | 1,932 | 905 | R 33,372 | R 44,921 | 0 | – – | – – | – – | 59,219 | – – | – – | – – |
| 2008 | 4,249 | 284 | R 6,180 | R 1,496 | 1,537 | 1,288 | R 33,035 | R 43,536 | 0 | – – | – – | – – | 58,621 | – – | – – | – – |
| 2009 | 3,545 | 233 | 5,451 | 1,931 | 1,495 | 320 | 29,586 | 38,784 | 0 | – – | – – | – – | 49,486 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 664.3 | 226.1 | 41.4 | 6.4 | 17.6 | 57.1 | 123.6 | 246.1 | 0.1 | 16.5 | NA | NA | 133.9 | 1,287.1 | R 331.1 | 1,618.2 |
| 1965 | 681.5 | 338.3 | 49.4 | 10.6 | 13.6 | 51.7 | 161.1 | 286.5 | (s) | 22.1 | NA | NA | 142.5 | 1,470.8 | R 340.1 | 1,811.0 |
| 1970 | 738.5 | 384.8 | 66.6 | 15.1 | 10.1 | 26.2 | 188.3 | 306.3 | 0.0 | 25.2 | NA | NA | 156.4 | 1,611.1 | R 378.3 | R 1,989.4 |
| 1975 | 556.5 | 352.8 | 64.9 | 14.8 | 8.0 | 44.2 | 181.8 | 313.8 | 0.0 | 26.6 | NA | NA | 189.7 | 1,439.3 | R 455.0 | R 1,894.4 |
| 1980 | 404.7 | 326.0 | 73.3 | 150.7 | 6.1 | 35.7 | 203.6 | 469.5 | 0.0 | 57.7 | NA | NA | 188.6 | 1,421.1 | R 453.1 | R 1,874.2 |
| 1985 | 265.7 | 264.4 | 40.4 | 85.1 | 5.6 | 13.2 | 147.5 | 291.9 | 0.0 | 67.6 | 3.1 | NA | 208.5 | R 1,092.4 | R 477.6 | R 1,570.0 |
| 1990 | 248.2 | 294.9 | 34.8 | 20.6 | 5.1 | 9.4 | 198.1 | 268.0 | 0.0 | 27.6 | 2.8 | 0.0 | 237.8 | 1,079.1 | R 545.5 | R 1,624.6 |
| 1995 | 162.9 | 344.5 | 34.1 | 29.6 | 6.3 | 8.6 | 191.2 | 269.8 | 0.0 | 45.5 | 1.7 | 0.0 | 254.1 | 1,078.1 | R 573.6 | R 1,651.7 |
| 1996 | 142.2 | 358.1 | 32.7 | 28.6 | 6.3 | 10.1 | 225.5 | 303.1 | 0.0 | 53.4 | 0.0 | 0.0 | 250.4 | 1,106.6 | R 565.9 | R 1,672.5 |
| 1997 | 141.2 | 351.2 | 33.3 | 11.6 | 6.4 | 7.5 | 246.1 | 304.9 | 0.0 | 53.6 | 0.0 | 0.0 | 252.1 | 1,102.5 | R 567.5 | R 1,670.0 |
| 1998 | 139.8 | 345.6 | 31.3 | 7.2 | 6.8 | 5.3 | 240.7 | 291.3 | 0.0 | 49.3 | 0.0 | 0.0 | 249.1 | 1,074.6 | R 561.3 | R 1,635.9 |
| 1999 | 131.1 | 339.1 | 30.7 | 14.2 | 5.9 | 7.5 | 257.8 | 316.1 | 0.0 | 55.9 | 0.0 | 0.0 | 253.5 | 1,095.2 | R 576.3 | R 1,671.5 |
| 2000 | 110.8 | 354.5 | 28.4 | 15.2 | 3.7 | 9.3 | 228.5 | 285.0 | 0.0 | 57.9 | 0.0 | 0.0 | 252.6 | 1,060.2 | R 571.2 | R 1,631.4 |
| 2001 | 114.0 | 309.1 | 31.9 | 16.3 | 9.8 | 6.0 | 229.5 | 293.4 | 0.0 | 25.8 | 0.0 | 0.0 | 222.1 | 964.0 | R 492.1 | R 1,456.1 |
| 2002 | 86.6 | 318.7 | 31.8 | 25.4 | 10.3 | 5.4 | 219.9 | 292.7 | 0.0 | 12.2 | 0.0 | 0.0 | 199.5 | 909.7 | R 442.1 | R 1,351.8 |
| 2003 | 94.8 | 301.9 | 36.1 | 47.0 | 10.9 | 3.5 | 216.3 | 313.9 | 0.0 | 20.5 | 0.0 | 0.0 | 197.3 | 928.1 | R 432.8 | R 1,360.9 |
| 2004 | 93.7 | 316.7 | 38.3 | 17.3 | 12.6 | 4.1 | 215.6 | 287.9 | 0.0 | 21.3 | 0.0 | 0.0 | 199.8 | 919.1 | R 439.5 | R 1,358.5 |
| 2005 | 100.1 | 307.7 | 35.1 | 25.7 | 12.3 | 8.3 | 192.2 | 273.5 | 0.0 | 21.8 | 0.1 | 0.0 | 202.5 | 905.4 | R 440.4 | R 1,345.8 |
| 2006 | 111.0 | 298.6 | 34.6 | 23.7 | 12.7 | 8.5 | R 190.7 | R 270.2 | 0.0 | R 23.9 | 0.2 | 0.0 | 190.6 | R 894.3 | R 409.8 | R 1,304.1 |
| 2007 | 110.5 | 305.8 | 34.3 | 10.2 | 10.1 | 5.7 | R 201.7 | R 261.9 | 0.0 | R 24.3 | 0.1 | 0.0 | 202.1 | R 904.4 | R 433.4 | R 1,337.8 |
| 2008 | 109.8 | 295.1 | R 36.0 | 5.4 | 8.0 | 8.1 | R 199.9 | R 257.4 | 0.0 | R 24.1 | 19.0 | 0.0 | 200.0 | R 905.2 | R 428.1 | R 1,333.3 |
| 2009 | 91.3 | 242.7 | 31.8 | 6.9 | 7.8 | 2.0 | 179.4 | 227.9 | 0.0 | 23.7 | 14.8 | 0.0 | 168.8 | 769.1 | 355.3 | 1,124.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 444 | 9 | 1,395 | 7,987 | 1,808 | 36 | 1,381 | 74,274 | 310 | 87,192 | 91 | – – | – – | – – |
| 1965 | 87 | 11 | 2,125 | 9,722 | 3,075 | 94 | 1,263 | 83,101 | 633 | 100,013 | 57 | – – | – – | – – |
| 1970 | 48 | 12 | 712 | 11,068 | 5,857 | 133 | 1,241 | 103,970 | 758 | 123,739 | 54 | – – | – – | – – |
| 1975 | 4 | 9 | 491 | 15,647 | 5,926 | 180 | 1,622 | 116,333 | 592 | 140,790 | 45 | – – | – – | – – |
| 1980 | 0 | 11 | 473 | 24,578 | 7,219 | 225 | 1,425 | 110,021 | 255 | 144,198 | 46 | – – | – – | – – |
| 1985 | 0 | 8 | 330 | 22,418 | 7,204 | 379 | 1,297 | 107,086 | 0 | 138,713 | 46 | – – | – – | – – |
| 1990 | 0 | 10 | 239 | 24,495 | 10,602 | 358 | 1,459 | 108,455 | 5 | 145,613 | 44 | – – | – – | – – |
| 1995 | 0 | 18 | 235 | 27,993 | 11,236 | 256 | 1,392 | 114,584 | 56 | 155,753 | 49 | – – | – – | – – |
| 1996 | 0 | 20 | 345 | 32,731 | 11,960 | 234 | 1,351 | 113,793 | 82 | 160,497 | 50 | – – | – – | – – |
| 1997 | 0 | 20 | 379 | 36,052 | 12,610 | 277 | 1,427 | 115,149 | 59 | 165,953 | 50 | – – | – – | – – |
| 1998 | 0 | 18 | 365 | 35,753 | 13,838 | 109 | 1,494 | 117,877 | 58 | 169,494 | 47 | – – | – – | – – |
| 1999 | 0 | 18 | 244 | 36,490 | 16,457 | 190 | 1,510 | 119,601 | 7 | 174,499 | 52 | – – | – – | – – |
| 2000 | 0 | 19 | 218 | 38,414 | 18,655 | 145 | 1,487 | 120,065 | 12 | 178,997 | 53 | – – | – – | – – |
| 2001 | 0 | 16 | 147 | 38,560 | 18,579 | 201 | 1,363 | 119,363 | 68 | 178,280 | 43 | – – | – – | – – |
| 2002 | 0 | 17 | 141 | 39,154 | 17,489 | 179 | 1,347 | 121,086 | 102 | 179,498 | 43 | – – | – – | – – |
| 2003 | 0 | 16 | 129 | 38,736 | 17,685 | 267 | 1,245 | 121,972 | 16 | 180,049 | 45 | – – | – – | – – |
| 2004 | 0 | 13 | 118 | 43,160 | 18,635 | 223 | 1,261 | 121,921 | 1 | 185,319 | 49 | – – | – – | – – |
| 2005 | 0 | 14 | 109 | 42,707 | 18,615 | 268 | 1,255 | 122,074 | 0 | 185,028 | 48 | – – | – – | – – |
| 2006 | 0 | 13 | 331 | 45,037 | 18,486 | 262 | 1,222 | 121,470 | 1 | 186,808 | 44 | – – | – – | – – |
| 2007 | 0 | 14 | 327 | 47,104 | 18,145 | 198 | 1,262 | 121,717 | 3 | 188,757 | 48 | – – | – – | – – |
| 2008 | 0 | R 11 | 189 | R 40,732 | 17,998 | R 406 | 1,172 | 119,644 | 0 | R 180,141 | 47 | – – | – – | – – |
| 2009 | 0 | 14 | 217 | 36,790 | 12,744 | 253 | 1,054 | 117,840 | 0 | 168,898 | 39 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 11.0 | 9.4 | 7.0 | 46.5 | 9.8 | 0.1 | 8.4 | 390.2 | 2.0 | 464.0 | 0.3 | 484.7 | 0.8 | 485.5 |
| 1965 | 2.1 | 11.4 | 10.7 | 56.6 | 17.0 | 0.4 | 7.7 | 436.5 | 4.0 | 532.9 | 0.2 | 546.7 | 0.5 | 547.1 |
| 1970 | 1.1 | 12.3 | 3.6 | 64.5 | 32.8 | 0.5 | 7.5 | 546.2 | 4.8 | 659.8 | 0.2 | 673.4 | 0.4 | 673.8 |
| 1975 | 0.1 | 9.2 | 2.5 | 91.1 | 33.3 | 0.7 | 9.8 | 611.1 | 3.7 | 752.2 | 0.2 | 761.7 | 0.4 | 762.1 |
| 1980 | 0.0 | 11.6 | 2.4 | 143.2 | 40.6 | 0.8 | 8.6 | 577.9 | 1.6 | 775.2 | 0.2 | 787.0 | 0.4 | 787.4 |
| 1985 | 0.0 | 8.6 | 1.7 | 130.6 | 40.6 | 1.4 | 7.9 | 562.5 | 0.0 | 744.6 | 0.2 | R 757.8 | 0.4 | R 758.2 |
| 1990 | 0.0 | 10.5 | 1.2 | 142.7 | 59.9 | 1.3 | 8.9 | 569.7 | (s) | 783.7 | 0.2 | R 802.9 | 0.3 | R 803.3 |
| 1995 | 0.0 | 18.5 | 1.2 | 163.1 | 63.7 | 0.9 | 8.4 | 597.6 | 0.4 | 835.2 | 0.2 | 853.9 | 0.4 | 854.3 |
| 1996 | 0.0 | 21.2 | 1.7 | 190.7 | 67.8 | 0.8 | 8.2 | 593.5 | 0.5 | 863.3 | 0.2 | 884.7 | 0.4 | 885.1 |
| 1997 | 0.0 | 20.8 | 1.9 | 210.0 | 71.5 | 1.0 | 8.7 | 600.3 | 0.4 | 893.7 | 0.2 | 914.7 | 0.4 | 915.1 |
| 1998 | 0.0 | 18.7 | 1.8 | 208.3 | 78.5 | 0.4 | 9.1 | 614.4 | 0.4 | 912.8 | 0.2 | 931.6 | 0.4 | 932.0 |
| 1999 | 0.0 | 18.5 | 1.2 | 212.6 | 93.3 | 0.7 | 9.2 | 623.2 | (s) | 940.2 | 0.2 | 958.9 | 0.4 | 959.3 |
| 2000 | 0.0 | 19.8 | 1.1 | 223.8 | 105.8 | 0.5 | 9.0 | 625.5 | 0.1 | 965.8 | 0.2 | 985.7 | 0.4 | 986.1 |
| 2001 | 0.0 | 16.7 | 0.7 | 224.6 | 105.3 | 0.7 | 8.3 | 621.9 | 0.4 | 962.0 | 0.1 | 978.9 | 0.3 | 979.2 |
| 2002 | 0.0 | 17.4 | 0.7 | 228.1 | 99.2 | 0.6 | 8.2 | 630.6 | 0.6 | 968.0 | 0.1 | 985.6 | 0.3 | 985.9 |
| 2003 | 0.0 | 16.1 | 0.7 | 225.6 | 100.3 | 1.0 | 7.6 | 635.1 | 0.1 | 970.3 | 0.2 | 986.5 | 0.3 | 986.9 |
| 2004 | 0.0 | 14.1 | 0.6 | 251.4 | 105.7 | 0.8 | 7.6 | 635.8 | (s) | 1,001.9 | 0.2 | 1,016.2 | 0.4 | 1,016.6 |
| 2005 | 0.0 | 14.4 | 0.6 | 248.8 | 105.5 | 1.0 | 7.6 | 637.0 | 0.0 | 1,000.4 | 0.2 | 1,015.0 | 0.4 | R 1,015.3 |
| 2006 | 0.0 | 13.1 | 1.7 | 262.3 | 104.8 | 0.9 | 7.4 | 633.8 | (s) | 1,011.0 | 0.1 | 1,024.3 | 0.3 | 1,024.6 |
| 2007 | 0.0 | 14.6 | 1.7 | 274.4 | 102.9 | 0.7 | 7.7 | 635.2 | (s) | 1,022.5 | 0.2 | 1,037.3 | R 0.3 | 1,037.6 |
| 2008 | 0.0 | R 11.9 | 1.0 | R 237.3 | 102.0 | R 1.5 | 7.1 | 624.3 | 0.0 | R 973.1 | 0.2 | R 985.2 | 0.3 | R 985.6 |
| 2009 | 0.0 | 15.0 | 1.1 | 214.3 | 72.3 | 0.9 | 6.4 | 614.9 | 0.0 | 909.8 | 0.1 | 924.9 | 0.3 | 925.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Ohio

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 21,559 | 3 | 94 | 107 | 0 | 201 | 0 | 7 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 24,923 | 3 | 105 | 119 | 0 | 223 | 22 | 10 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 35,321 | 21 | 697 | 791 | 0 | 1,487 | 0 | 7 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 47,321 | 6 | 1,312 | 2,568 | 0 | 3,880 | 0 | 7 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 48,537 | 5 | 605 | 1,643 | 0 | 2,248 | 2,119 | 6 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 46,700 | 1 | 141 | 508 | 0 | 649 | 1,943 | 175 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 48,848 | 1 | 136 | 452 | 0 | 588 | 10,664 | 181 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 49,785 | 7 | 0 | 642 | 0 | 642 | 16,768 | 232 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 53,543 | 3 | 0 | 584 | 0 | 584 | 13,919 | 397 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 52,893 | 3 | 0 | 574 | 0 | 574 | 15,331 | 507 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 54,613 | 8 | 11 | 635 | 0 | 647 | 16,476 | 406 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 52,228 | 11 | 21 | 985 | 0 | 1,006 | 16,422 | 423 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 55,734 | 10 | 13 | 792 | 0 | 804 | 16,781 | 583 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 53,834 | 11 | 13 | 785 | 0 | 798 | 15,464 | 511 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 55,917 | 23 | 8 | 671 | 0 | 678 | 10,865 | 488 | – – | 0 | 0 | 0 | -4 | – – |
| 2003 | 57,224 | 19 | 0 | 869 | 0 | 869 | 8,475 | 511 | – – | 0 | 0 | 0 | -12 | – – |
| 2004 | 54,994 | 18 | 0 | 741 | 1,893 | 2,634 | 15,950 | 730 | – – | 0 | 0 | 0 | -65 | – – |
| 2005 | 59,607 | 28 | 0 | 723 | 1,846 | 2,569 | 14,803 | 516 | – – | 0 | 0 | 13 | -348 | – – |
| 2006 | 58,604 | 23 | 0 | 584 | 1,836 | 2,420 | 16,847 | 632 | – – | 0 | 0 | 14 | 619 | – – |
| 2007 | 59,452 | 37 | 0 | 591 | 1,500 | 2,092 | 15,764 | 410 | – – | 0 | 0 | 15 | 306 | – – |
| 2008 | 58,953 | 23 | 0 | 526 | 1,900 | 2,426 | 17,514 | 386 | – – | 0 | 0 | 15 | 0 | – – |
| 2009 | 51,096 | 38 | 0 | 484 | 1,770 | 2,254 | 15,206 | 528 | – – | 0 | 0 | 14 | 4 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 512.5 | 3.1 | 0.6 | 0.6 | 0.0 | 1.2 | 0.0 | 0.1 | 0.1 | 0.0 | NA | NA | 0.0 | 516.9 |
| 1965 | 587.3 | 3.0 | 0.7 | 0.7 | 0.0 | 1.3 | 0.3 | 0.1 | 0.1 | 0.0 | NA | NA | 0.0 | 592.1 |
| 1970 | 794.7 | 21.9 | 4.4 | 4.6 | 0.0 | 9.0 | 0.0 | 0.1 | 0.1 | 0.0 | NA | NA | 0.0 | 825.7 |
| 1975 | 1,037.2 | 5.3 | 8.2 | 14.9 | 0.0 | 23.2 | 0.0 | 0.1 | (s) | 0.0 | NA | NA | 0.0 | 1,065.8 |
| 1980 | 1,110.5 | 4.7 | 3.8 | 9.6 | 0.0 | 13.4 | 23.1 | 0.1 | (s) | 0.0 | NA | NA | 0.0 | 1,151.5 |
| 1985 | 1,103.3 | 0.7 | 0.9 | 3.0 | 0.0 | 3.8 | 20.6 | 1.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,133.1 |
| 1990 | 1,161.4 | 1.3 | 0.9 | 2.6 | 0.0 | 3.5 | 112.8 | 1.9 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,284.5 |
| 1995 | 1,206.9 | 7.6 | 0.0 | 3.7 | 0.0 | 3.7 | 176.2 | 2.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1,397.5 |
| 1996 | 1,289.3 | 3.0 | 0.0 | 3.4 | 0.0 | 3.4 | 146.2 | 4.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,446.8 |
| 1997 | 1,258.2 | 3.6 | 0.0 | 3.3 | 0.0 | 3.3 | 160.9 | 5.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,431.9 |
| 1998 | 1,300.5 | 8.2 | 0.1 | 3.7 | 0.0 | 3.8 | 172.8 | 4.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1,490.0 |
| 1999 | 1,245.9 | 11.6 | 0.1 | 5.7 | 0.0 | 5.9 | 171.6 | 4.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,440.0 |
| 2000 | 1,312.5 | 10.3 | 0.1 | 4.6 | 0.0 | 4.7 | 175.0 | 5.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,509.4 |
| 2001 | 1,243.3 | 10.7 | 0.1 | 4.6 | 0.0 | 4.7 | 161.5 | 5.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,426.4 |
| 2002 | 1,301.7 | 23.3 | (s) | 3.9 | 0.0 | 4.0 | 113.5 | 5.0 | 1.0 | 0.0 | 0.0 | 0.0 | (s) | 1,448.3 |
| 2003 | 1,343.8 | 19.4 | 0.0 | 5.1 | 0.0 | 5.1 | 88.3 | 5.2 | 1.2 | 0.0 | 0.0 | 0.0 | (s) | 1,463.0 |
| 2004 | 1,287.9 | 18.8 | 0.0 | 4.3 | 11.4 | 15.7 | 166.3 | 7.3 | 1.1 | 0.0 | 0.0 | 0.0 | -0.2 | 1,496.9 |
| 2005 | 1,373.0 | 28.8 | 0.0 | 4.2 | 11.1 | 15.3 | 154.5 | 5.2 | 1.1 | 0.0 | 0.0 | 0.1 | -1.2 | 1,576.8 |
| 2006 | 1,337.2 | 23.9 | 0.0 | 3.4 | 11.1 | 14.5 | 175.8 | 6.3 | 1.1 | 0.0 | 0.0 | 0.1 | 2.1 | 1,560.9 |
| 2007 | 1,349.9 | 38.5 | 0.0 | 3.4 | 9.0 | 12.5 | 165.3 | 4.1 | 1.0 | 0.0 | 0.0 | 0.1 | 1.0 | 1,572.4 |
| 2008 | 1,322.2 | 24.3 | 0.0 | 3.1 | 11.4 | 14.5 | 183.1 | 3.8 | 3.5 | 0.0 | 0.0 | 0.1 | 0.0 | 1,551.5 |
| 2009 | 1,170.2 | 38.9 | 0.0 | 2.8 | 10.7 | 13.5 | 159.1 | 5.2 | 3.0 | 0.0 | 0.0 | 0.1 | (s) | 1,389.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 77 | 308 | 2,618 | 2,920 | 6,433 | 22,708 | 1,454 | 11,670 | 47,803 | 0 | 705 | NA |
| 1965 | 30 | 468 | 2,877 | 3,453 | 7,654 | 25,815 | 851 | 14,629 | 55,278 | 0 | 825 | NA |
| 1970 | 7 | 597 | 5,584 | 4,378 | 9,618 | 32,521 | 807 | 15,760 | 68,667 | 0 | 1,406 | NA |
| 1971 | 7 | 612 | 5,477 | 4,378 | 9,167 | 33,711 | 617 | 15,901 | 69,251 | 0 | 1,383 | NA |
| 1972 | 7 | 630 | 7,944 | 4,143 | 9,706 | 35,754 | 1,418 | 15,011 | 73,977 | 0 | 1,447 | NA |
| 1973 | 175 | 612 | 8,951 | 4,017 | 9,677 | 37,437 | 1,499 | 15,882 | 77,462 | 0 | 3,761 | NA |
| 1974 | 181 | 660 | 8,849 | 4,001 | 9,087 | 36,997 | 1,216 | 15,925 | 76,075 | 0 | 3,590 | NA |
| 1975 | 23 | 669 | 9,449 | 3,916 | 9,342 | 38,469 | 641 | 16,767 | 78,585 | 0 | 2,945 | NA |
| 1976 | 73 | 760 | 11,856 | 3,967 | 9,490 | 40,477 | 672 | 15,549 | 82,011 | 0 | 1,541 | NA |
| 1977 | 675 | 767 | 12,965 | 4,183 | 9,508 | 41,903 | 781 | 16,002 | 85,342 | 0 | 1,749 | NA |
| 1978 | 2,463 | 770 | 14,513 | 4,750 | 10,179 | 43,763 | 1,028 | 15,913 | 90,145 | 0 | 1,763 | NA |
| 1979 | 3,382 | 825 | 14,560 | 4,564 | 8,437 | 41,279 | 888 | 16,715 | 86,443 | 0 | 2,323 | NA |
| 1980 | 6,046 | 722 | 12,125 | 4,900 | 8,987 | 39,633 | 732 | 16,188 | 82,565 | 0 | 1,315 | NA |
| 1981 | 9,048 | 671 | 15,488 | 5,009 | 7,145 | 41,673 | 741 | 10,834 | 80,891 | 0 | 1,122 | 104 |
| 1982 | 11,781 | 677 | 14,512 | 5,911 | 8,073 | 43,409 | 676 | 10,249 | 82,831 | 0 | 2,090 | 368 |
| 1983 | 12,629 | 629 | 16,589 | 5,974 | 8,122 | 42,731 | 516 | 11,966 | 85,899 | 0 | 2,500 | 176 |
| 1984 | 13,254 | 653 | 18,307 | 7,017 | 7,138 | 41,908 | 358 | 10,087 | 84,815 | 0 | 2,339 | 53 |
| 1985 | 13,602 | 587 | 18,723 | 5,870 | 8,035 | 42,170 | 219 | 10,322 | 85,338 | 0 | 3,980 | 48 |
| 1986 | 12,395 | 554 | 13,947 | 5,942 | 5,950 | 40,568 | 393 | 9,873 | 76,673 | 0 | 2,951 | 59 |
| 1987 | 13,476 | 596 | 14,374 | 7,440 | 5,487 | 38,731 | 332 | 10,151 | 76,516 | 0 | 2,948 | 0 |
| 1988 | 15,006 | 589 | 15,118 | 7,224 | 4,911 | 38,806 | 660 | 11,994 | 78,714 | 0 | 2,045 | 0 |
| 1989 | 15,086 | 603 | 14,948 | 9,239 | 5,681 | 38,888 | 391 | 11,592 | 80,741 | 0 | 2,392 | 0 |
| 1990 | 15,514 | 612 | 15,473 | 7,832 | 3,289 | 38,998 | 623 | 12,554 | 78,768 | 0 | 2,731 | 0 |
| 1991 | 17,263 | 578 | 14,075 | 10,569 | 4,878 | 38,816 | 241 | 11,634 | 80,213 | 0 | 1,922 | 0 |
| 1992 | 18,311 | 551 | 15,945 | 12,948 | 4,502 | 39,883 | 621 | 12,422 | 86,321 | 0 | 3,242 | 0 |
| 1993 | 19,920 | 585 | 16,029 | 9,012 | 5,687 | 40,814 | 704 | 12,767 | 85,012 | 0 | 4,357 | 0 |
| 1994 | 18,854 | 579 | 16,287 | 10,345 | 5,626 | 41,524 | 548 | 12,520 | 86,851 | 0 | 2,515 | 0 |
| 1995 | 20,742 | 575 | 16,672 | 5,359 | 3,625 | 42,382 | 442 | 11,974 | 80,453 | 0 | 2,780 | 0 |
| 1996 | 21,141 | 574 | 19,948 | 4,707 | 4,076 | 43,763 | 392 | 13,126 | 86,011 | 0 | 2,158 | 0 |
| 1997 | 22,178 | 567 | 20,917 | 5,259 | 4,693 | 42,670 | 269 | 11,996 | 85,804 | 0 | 2,921 | 0 |
| 1998 | 20,711 | 576 | 21,640 | 5,348 | 3,821 | 43,349 | 102 | 12,440 | 86,701 | 0 | 3,509 | 0 |
| 1999 | 20,288 | 538 | 22,151 | 6,576 | 9,198 | 43,571 | 111 | 11,925 | 93,533 | 0 | 3,175 | 0 |
| 2000 | 21,422 | 539 | 28,249 | 6,812 | 5,862 | 42,325 | 237 | 11,895 | 95,380 | 0 | 2,277 | 0 |
| 2001 | 21,224 | 491 | 35,302 | 7,041 | 5,306 | 43,027 | 343 | 15,368 | 106,386 | 0 | 2,345 | 0 |
| 2002 | 22,090 | 508 | 30,752 | 6,434 | 7,343 | 42,224 | 461 | 14,401 | 101,616 | 0 | 1,988 | 0 |
| 2003 | 22,283 | 540 | 29,738 | 6,240 | 5,472 | 43,361 | 513 | 14,272 | 99,596 | 0 | 1,798 | 0 |
| 2004 | 21,008 | 539 | 22,757 | 6,898 | 7,348 | 45,338 | 623 | 15,251 | 98,215 | 0 | 2,977 | 0 |
| 2005 | 22,680 | 583 | 28,020 | 5,964 | 10,840 | 45,150 | 224 | 15,371 | 105,569 | 0 | 2,630 | 1,039 |
| 2006 | 21,923 | 624 | 31,954 | 5,661 | 14,870 | 43,675 | 246 | R 15,129 | R 111,534 | 0 | 624 | 1,038 |
| 2007 | 21,295 | 658 | 33,776 | 5,295 | 3,656 | 45,385 | 320 | R 16,026 | R 104,459 | 0 | 3,066 | 2,032 |
| 2008 | 22,670 | R 688 | R 37,037 | 5,591 | 3,152 | 44,528 | 417 | R 12,952 | R 103,677 | 0 | 3,811 | 3,801 |
| 2009 | 21,589 | 657 | 24,960 | 6,447 | 2,801 | 44,121 | 311 | 12,593 | 91,234 | 0 | 3,553 | 3,472 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 1.8 | 319.3 | 15.3 | 15.7 | 25.8 | 119.3 | 9.1 | 70.7 | 255.9 | 577.0 | *319.3* | *119.3* |
| 1965 | 0.7 | 480.1 | 16.8 | 18.7 | 30.7 | 135.6 | 5.4 | 89.1 | 296.2 | 777.0 | *480.1* | *135.6* |
| 1970 | 0.2 | 616.3 | 32.5 | 24.0 | 36.3 | 170.8 | 5.1 | 96.7 | 365.5 | 981.9 | *616.3* | *170.8* |
| 1971 | 0.2 | 631.2 | 31.9 | 24.0 | 34.6 | 177.1 | 3.9 | 98.1 | 369.5 | 1,000.8 | *631.2* | *177.1* |
| 1972 | 0.2 | 649.9 | 46.3 | 22.7 | 36.5 | 187.8 | 8.9 | 92.5 | 394.8 | 1,044.8 | *649.9* | *187.8* |
| 1973 | 4.1 | 625.8 | 52.1 | 22.1 | 36.3 | 196.7 | 9.4 | 97.9 | 414.5 | 1,044.4 | *625.8* | *196.7* |
| 1974 | 4.2 | 681.1 | 51.5 | 22.0 | 33.9 | 194.3 | 7.6 | 98.6 | 408.0 | 1,093.3 | *681.1* | *194.3* |
| 1975 | 0.5 | 678.9 | 55.0 | 21.5 | 34.7 | 202.1 | 4.0 | 103.8 | 421.2 | 1,100.6 | *678.9* | *202.1* |
| 1976 | 1.5 | 770.8 | 69.1 | 21.9 | 35.2 | 212.6 | 4.2 | 96.0 | 438.9 | 1,211.2 | *770.8* | *212.6* |
| 1977 | 12.4 | 787.7 | 75.5 | 23.0 | 35.0 | 220.1 | 4.9 | 98.6 | 457.2 | 1,257.3 | *787.7* | *220.1* |
| 1978 | 43.7 | 788.7 | 84.5 | 26.2 | 37.3 | 229.9 | 6.5 | 97.9 | 482.3 | 1,314.7 | *788.7* | *229.9* |
| 1979 | 60.4 | 844.3 | 84.8 | 25.1 | 31.0 | 216.8 | 5.6 | 102.8 | 466.2 | 1,370.9 | *844.3* | *216.8* |
| 1980 | 106.3 | 738.9 | 70.6 | 26.9 | 33.0 | 208.2 | 4.6 | 99.8 | 443.2 | 1,288.4 | *738.9* | *208.2* |
| 1981 | 157.7 | 694.5 | 90.2 | 27.6 | 26.0 | 218.9 | 4.7 | 68.3 | 435.7 | 1,287.9 | *694.5* | *218.9* |
| 1982 | 203.8 | 692.3 | 84.5 | 32.8 | 29.2 | 228.0 | 4.3 | 64.5 | 443.3 | 1,339.5 | *692.3* | *228.0* |
| 1983 | 219.3 | 655.4 | 96.6 | 33.1 | 29.4 | 224.5 | 3.2 | 75.2 | 462.0 | 1,336.7 | *655.4* | *224.5* |
| 1984 | 230.9 | 669.3 | 106.6 | 39.0 | 25.7 | 220.1 | 2.3 | 62.8 | 456.5 | 1,356.7 | *669.3* | *220.1* |
| 1985 | 237.2 | 603.9 | 109.1 | 32.5 | 29.0 | 221.5 | 1.4 | 65.3 | 458.7 | 1,299.7 | *603.9* | *221.5* |
| 1986 | 217.9 | 570.7 | 81.2 | 32.9 | 21.7 | 213.1 | 2.5 | 62.3 | 413.7 | 1,202.4 | *570.7* | *213.1* |
| 1987 | 240.7 | 617.6 | 83.7 | 41.4 | 20.1 | 203.5 | 2.1 | 63.1 | 413.9 | 1,272.1 | *617.6* | *203.5* |
| 1988 | 269.4 | 611.2 | 88.1 | 40.2 | 17.9 | 203.8 | 4.2 | 74.4 | 428.6 | 1,309.2 | *611.2* | *203.8* |
| 1989 | 270.3 | 620.3 | 87.1 | 51.7 | 20.9 | 204.3 | 2.5 | 71.1 | 437.6 | 1,328.2 | *620.3* | *204.3* |
| 1990 | 278.8 | 628.2 | 90.1 | 43.8 | 11.9 | 204.9 | 3.9 | 77.4 | 432.0 | 1,339.1 | *628.2* | *204.9* |
| 1991 | 312.7 | 590.0 | 82.0 | 59.1 | 17.6 | 203.9 | 1.5 | 72.1 | 436.2 | 1,338.9 | *590.0* | *203.9* |
| 1992 | 328.3 | 565.7 | 92.9 | 72.8 | 16.3 | 209.5 | 3.9 | 76.0 | 471.3 | 1,365.3 | *565.7* | *209.5* |
| 1993 | 355.8 | 600.1 | 93.4 | 50.5 | 20.5 | 214.4 | 4.4 | 78.9 | 462.1 | 1,418.0 | *600.1* | *214.4* |
| 1994 | 333.4 | 595.7 | 94.9 | 58.1 | 20.5 | 217.2 | 3.4 | 77.2 | 471.2 | 1,400.3 | *595.7* | *217.2* |
| 1995 | 369.9 | 586.4 | 97.1 | 30.3 | 13.1 | 221.0 | 2.8 | 73.7 | 438.0 | 1,394.3 | *586.4* | *221.0* |
| 1996 | 373.1 | 588.0 | 116.2 | 26.7 | 14.7 | 228.3 | 2.5 | 79.7 | 468.1 | 1,429.1 | *588.0* | *228.3* |
| 1997 | 392.4 | 573.5 | 121.8 | 29.8 | 17.0 | 222.4 | 1.7 | 72.1 | 464.9 | 1,430.8 | *573.5* | *222.4* |
| 1998 | 370.1 | 584.0 | 126.1 | 30.3 | 13.8 | 225.9 | 0.6 | 75.7 | 472.4 | 1,426.5 | *584.0* | *225.9* |
| 1999 | 360.6 | 550.8 | 129.0 | 37.3 | 33.3 | 227.0 | 0.7 | 72.0 | 499.3 | 1,410.7 | *550.8* | *227.0* |
| 2000 | 381.1 | 546.7 | 164.6 | 38.6 | 21.1 | 220.5 | 1.5 | 72.0 | 518.4 | 1,446.2 | *546.7* | *220.5* |
| 2001 | 376.1 | 505.2 | 205.6 | 39.9 | 19.2 | 224.2 | 2.2 | 94.6 | 585.6 | 1,467.0 | *505.2* | *224.2* |
| 2002 | 391.4 | 522.5 | 179.1 | 36.5 | 26.5 | 219.9 | 2.9 | 88.5 | 553.4 | 1,467.3 | *522.5* | *219.9* |
| 2003 | 393.8 | 556.3 | 173.2 | 35.4 | 19.9 | 225.8 | 3.2 | 87.1 | 544.6 | 1,494.7 | *556.3* | *225.8* |
| 2004 | 372.1 | 555.3 | 132.6 | 39.1 | 26.6 | 236.4 | 3.9 | 93.5 | 532.2 | 1,459.5 | *555.3* | *236.4* |
| 2005 | 397.4 | 600.0 | 163.2 | 33.8 | 39.2 | R 232.0 | 1.4 | 94.1 | R 563.8 | R 1,561.2 | *600.0* | *235.6* |
| 2006 | 384.4 | 644.4 | 186.1 | 32.1 | 53.6 | R 224.3 | 1.5 | R 92.3 | R 589.9 | R 1,618.7 | *644.4* | *227.9* |
| 2007 | 373.2 | 690.6 | 196.7 | 30.0 | 13.1 | R 229.8 | 2.0 | R 98.5 | R 570.2 | R 1,634.1 | *690.6* | *236.9* |
| 2008 | 391.7 | R 710.0 | R 215.7 | 31.7 | 11.3 | R 219.2 | 2.6 | R 79.1 | R 559.6 | R 1,661.3 | R *710.0* | *232.3* |
| 2009 | 373.3 | 678.3 | 145.4 | 36.6 | 10.0 | 218.2 | 2.0 | 76.6 | 488.7 | 1,540.3 | *678.3* | *230.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 7.6 | 10.2 | NA | NA | 10.2 | 0.0 | NA | NA | 17.8 | -12.6 | 0.0 | 582.1 |
| 1965 | 0.0 | 8.6 | 7.6 | NA | NA | 7.6 | 0.0 | NA | NA | 16.2 | -17.0 | 0.0 | R 776.1 |
| 1970 | 0.0 | 14.8 | 7.0 | NA | NA | 7.0 | 0.0 | NA | NA | 21.7 | R -64.1 | 0.0 | R 939.5 |
| 1971 | 0.0 | 14.5 | 6.8 | NA | NA | 6.8 | 0.0 | NA | NA | 21.3 | R -56.7 | 0.0 | 965.5 |
| 1972 | 0.0 | 15.0 | 11.7 | NA | NA | 11.7 | 0.0 | NA | NA | 26.7 | R -52.6 | 0.0 | R 1,018.9 |
| 1973 | 0.0 | 39.1 | 11.7 | NA | NA | 11.7 | 0.0 | NA | NA | 50.8 | R -71.3 | 0.0 | R 1,023.9 |
| 1974 | 0.0 | 37.5 | 11.3 | NA | NA | 11.3 | 0.0 | NA | NA | 48.8 | R -78.4 | 0.0 | R 1,063.7 |
| 1975 | 0.0 | 30.6 | 12.0 | NA | NA | 12.0 | 0.0 | NA | NA | 42.6 | R -73.7 | 0.0 | R 1,069.6 |
| 1976 | 0.0 | 16.0 | 13.3 | NA | NA | 13.3 | 0.0 | NA | NA | 29.3 | R -78.3 | 0.0 | R 1,162.2 |
| 1977 | 0.0 | 18.3 | 14.5 | NA | NA | 14.5 | 0.0 | NA | NA | 32.7 | R -65.8 | 0.0 | R 1,224.2 |
| 1978 | 0.0 | 18.3 | 19.1 | NA | NA | 19.1 | 0.0 | NA | NA | 37.4 | R -86.1 | 0.0 | R 1,266.0 |
| 1979 | 0.0 | 24.0 | 22.8 | NA | NA | 22.8 | 0.0 | NA | NA | 46.8 | R -94.8 | 0.0 | R 1,322.9 |
| 1980 | 0.0 | 13.7 | 11.2 | NA | NA | 11.2 | 0.0 | NA | NA | 24.9 | R -98.7 | 0.0 | R 1,214.6 |
| 1981 | 0.0 | 11.7 | 11.8 | 0.4 | 0.0 | 12.2 | 0.0 | NA | NA | 23.9 | R -62.6 | 0.0 | R 1,249.2 |
| 1982 | 0.0 | 21.8 | 14.3 | 1.3 | 0.0 | 15.6 | 0.0 | NA | NA | R 37.4 | R -58.6 | 0.0 | R 1,318.3 |
| 1983 | 0.0 | 26.3 | 12.9 | 0.6 | 0.0 | R 13.5 | 0.0 | NA | 0.0 | 39.9 | R -59.5 | 0.0 | R 1,317.0 |
| 1984 | 0.0 | 24.4 | 15.3 | 0.2 | 0.0 | 15.5 | 0.0 | 0.0 | 0.0 | 39.9 | R -73.6 | 0.0 | R 1,322.9 |
| 1985 | 0.0 | 41.6 | 15.4 | 0.2 | 0.0 | 15.6 | 0.0 | 0.0 | 0.0 | 57.2 | R -58.6 | 0.0 | R 1,298.2 |
| 1986 | 0.0 | 30.8 | 14.4 | 0.2 | 0.0 | 14.6 | 0.0 | 0.0 | 0.0 | 45.4 | R -43.0 | 0.0 | R 1,204.8 |
| 1987 | 0.0 | 30.7 | 15.3 | 0.0 | 0.0 | 15.3 | 0.0 | 0.0 | 0.0 | 46.0 | R -59.8 | 0.0 | R 1,258.4 |
| 1988 | 0.0 | 21.1 | 16.0 | 0.0 | 0.0 | 16.0 | 0.0 | 0.0 | 0.0 | 37.1 | R -53.5 | 0.0 | R 1,292.8 |
| 1989 | 0.0 | 25.0 | 25.3 | 0.0 | 0.0 | 25.3 | (s) | 0.1 | 0.0 | 50.3 | R -51.9 | 0.0 | R 1,326.6 |
| 1990 | 0.0 | 28.4 | 21.4 | 0.0 | 0.0 | 21.4 | (s) | 0.1 | 0.0 | 49.9 | R -0.9 | 0.0 | R 1,388.1 |
| 1991 | 0.0 | 20.1 | 21.1 | 0.0 | 0.0 | 21.1 | (s) | 0.1 | 0.0 | 41.2 | R -58.2 | 0.0 | R 1,321.9 |
| 1992 | 0.0 | 33.5 | 19.7 | 0.0 | 0.0 | 19.7 | (s) | 0.1 | 0.0 | 53.3 | R -82.2 | 0.0 | R 1,336.5 |
| 1993 | 0.0 | 44.9 | 22.9 | 0.0 | 0.0 | 22.9 | (s) | 0.1 | 0.0 | 68.0 | R -88.9 | 0.0 | R 1,397.1 |
| 1994 | 0.0 | 25.9 | 24.1 | 0.0 | 0.0 | 24.1 | (s) | 0.1 | 0.0 | 50.1 | R -55.0 | 0.0 | R 1,395.4 |
| 1995 | 0.0 | 28.7 | 24.5 | 0.0 | 0.0 | 24.5 | (s) | 0.1 | 0.0 | 53.3 | R -72.3 | 0.0 | R 1,375.3 |
| 1996 | 0.0 | 22.3 | 29.3 | 0.0 | 0.0 | 29.3 | (s) | 0.1 | 0.0 | 51.7 | R -46.3 | 0.0 | R 1,434.4 |
| 1997 | 0.0 | 29.8 | 25.3 | 0.0 | 0.0 | 25.3 | (s) | 0.1 | 0.0 | 55.2 | R -48.7 | 0.0 | R 1,437.3 |
| 1998 | 0.0 | 35.8 | 24.7 | 0.0 | 0.0 | 24.7 | (s) | 0.1 | 0.0 | 60.6 | R -44.6 | 0.0 | R 1,442.5 |
| 1999 | 0.0 | 32.5 | 22.8 | 0.0 | 0.0 | 22.8 | (s) | 0.1 | 0.0 | 55.4 | R -36.4 | 0.0 | R 1,429.7 |
| 2000 | 0.0 | 23.2 | 24.2 | 0.0 | 0.0 | 24.2 | (s) | 0.1 | 0.0 | 47.5 | R -19.9 | 0.0 | R 1,473.8 |
| 2001 | 0.0 | 24.2 | 24.1 | 0.0 | 0.0 | 24.1 | (s) | 0.1 | 0.0 | 48.4 | R -21.7 | 0.0 | R 1,493.7 |
| 2002 | 0.0 | 20.2 | 20.6 | 0.0 | 0.0 | 20.6 | (s) | (s) | 0.0 | 40.9 | R -53.8 | 0.0 | R 1,454.4 |
| 2003 | 0.0 | 18.4 | 23.2 | 0.0 | 0.0 | 23.2 | (s) | (s) | 0.6 | 42.2 | R -52.5 | 0.0 | R 1,484.3 |
| 2004 | 0.0 | 29.8 | 26.5 | 0.0 | 0.0 | 26.5 | (s) | (s) | 5.7 | 62.1 | R -42.8 | (s) | R 1,478.8 |
| 2005 | 0.0 | 26.3 | R 26.5 | 3.6 | 0.0 | R 30.1 | (s) | (s) | 8.5 | R 64.9 | R -84.7 | (s) | R 1,541.4 |
| 2006 | 0.0 | 6.2 | R 27.2 | 3.6 | 0.0 | 30.8 | (s) | (s) | 17.0 | 54.0 | R -89.8 | 0.0 | R 1,583.0 |
| 2007 | 0.0 | 30.3 | R 25.8 | 7.1 | 0.0 | R 32.8 | (s) | (s) | 18.3 | R 81.4 | R -110.5 | 0.0 | R 1,604.9 |
| 2008 | 0.0 | 37.6 | R 12.8 | 13.2 | 0.0 | R 26.0 | (s) | (s) | 23.2 | R 86.8 | R -127.3 | 0.0 | R 1,620.9 |
| 2009 | 0.0 | 34.7 | 16.1 | 12.0 | 0.0 | 28.1 | (s) | (s) | 26.3 | 89.2 | -138.9 | 0.0 | 1,490.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 77 | 226 | 2,592 | 2,920 | 6,433 | 22,708 | 1,421 | 11,670 | 47,744 | 0 | – – | – – | – – | – – | 6,838 | – – | – – | – – |
| 1965 | 29 | 341 | 2,854 | 3,453 | 7,654 | 25,815 | 823 | 14,629 | 55,228 | 0 | – – | – – | – – | – – | 10,594 | – – | – – | – – |
| 1970 | 6 | 362 | 5,533 | 4,378 | 9,618 | 32,521 | 743 | 15,760 | 68,552 | 0 | – – | – – | – – | – – | 16,596 | – – | – – | – – |
| 1975 | 23 | 368 | 9,393 | 3,916 | 9,342 | 38,469 | 612 | 16,767 | 78,500 | 0 | – – | – – | – – | – – | 23,266 | – – | – – | – – |
| 1980 | 294 | 392 | 12,066 | 4,900 | 8,987 | 39,633 | 732 | 16,188 | 82,506 | 0 | – – | – – | – – | – – | 31,109 | – – | – – | – – |
| 1985 | 855 | 387 | 18,644 | 5,870 | 8,035 | 42,170 | 211 | 10,322 | 85,251 | 0 | – – | – – | – – | – – | 36,682 | – – | – – | – – |
| 1990 | 557 | 435 | 15,444 | 7,832 | 3,288 | 38,998 | 565 | 12,554 | 78,681 | 0 | – – | – – | – – | – – | 42,504 | – – | – – | – – |
| 1995 | 1,466 | 414 | 16,655 | 5,359 | 3,625 | 42,382 | 329 | 11,974 | 80,324 | 0 | – – | – – | – – | – – | 41,392 | – – | – – | – – |
| 2000 | 714 | 363 | 28,172 | 6,812 | 5,862 | 42,325 | 237 | 11,895 | 95,303 | 0 | – – | – – | – – | – – | 49,564 | – – | – – | – – |
| 2001 | 724 | 318 | 35,045 | 7,041 | 5,306 | 43,027 | 342 | 15,368 | 106,128 | 0 | – – | – – | – – | – – | 49,667 | – – | – – | – – |
| 2002 | 725 | 314 | 30,734 | 6,434 | 7,343 | 42,224 | 459 | 14,401 | 101,596 | 0 | – – | – – | – – | – – | 49,485 | – – | – – | – – |
| 2003 | 703 | 343 | 29,585 | 6,240 | 5,472 | 43,361 | 478 | 14,272 | 99,408 | 0 | – – | – – | – – | – – | 50,428 | – – | – – | – – |
| 2004 | 714 | 339 | 22,726 | 6,898 | 7,348 | 45,338 | 612 | 15,251 | 98,172 | 0 | – – | – – | – – | – – | 50,942 | – – | – – | – – |
| 2005 | 728 | 340 | 27,998 | 5,964 | 10,840 | 45,150 | 221 | 15,371 | 105,543 | 0 | – – | – – | – – | – – | 53,707 | – – | – – | – – |
| 2006 | 735 | 346 | 31,908 | 5,661 | 14,870 | 43,675 | 246 | 15,129 | 111,488 | 0 | – – | – – | – – | – – | 54,905 | – – | – – | – – |
| 2007 | 747 | 372 | 33,717 | 5,295 | 3,656 | 45,385 | 130 | 16,026 | 104,210 | 0 | – – | – – | – – | – – | 55,193 | – – | – – | – – |
| 2008 | 713 | 405 | 37,014 | 5,591 | 3,152 | 44,528 | 417 | 12,952 | 103,654 | 0 | – – | – – | – – | – – | 56,279 | – – | – – | – – |
| 2009 | 630 | 372 | 24,937 | 6,447 | 2,801 | 44,121 | 311 | 12,593 | 91,210 | 0 | – – | – – | – – | – – | 54,537 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 1.8 | 233.6 | 15.1 | 15.7 | 25.8 | 119.3 | 8.9 | 70.7 | 255.5 | 0.0 | 10.2 | NA | NA | NA | 23.3 | 524.4 | 57.7 | 582.1 |
| 1965 | 0.7 | 349.5 | 16.6 | 18.7 | 30.7 | 135.6 | 5.2 | 89.1 | 295.9 | 0.0 | 7.6 | NA | NA | NA | 36.1 | 689.9 | 86.3 | 776.1 |
| 1970 | 0.1 | 374.0 | 32.2 | 24.0 | 36.3 | 170.8 | 4.7 | 96.7 | 364.8 | 0.0 | 7.0 | NA | NA | NA | 56.6 | 802.5 | 137.0 | 939.5 |
| 1975 | 0.5 | 366.5 | 54.7 | 21.5 | 34.7 | 202.1 | 3.8 | 103.8 | 420.7 | 0.0 | 12.0 | NA | NA | NA | 79.4 | 879.2 | 190.4 | 1,069.6 |
| 1980 | 6.3 | 393.2 | 70.3 | 26.9 | 33.0 | 208.2 | 4.6 | 99.8 | 442.8 | 0.0 | 11.2 | NA | NA | NA | 106.1 | 959.6 | 255.0 | 1,214.6 |
| 1985 | 18.3 | 394.3 | 108.6 | 32.5 | 29.0 | 221.5 | 1.3 | 65.3 | 458.1 | 0.0 | 15.4 | 0.0 | NA | NA | 125.2 | 1,011.6 | 286.7 | 1,298.2 |
| 1990 | 12.7 | 444.6 | 90.0 | 43.8 | 11.9 | 204.9 | 3.6 | 77.4 | 431.5 | 0.0 | 21.4 | 0.0 | (s) | 0.1 | 145.0 | 1,055.4 | 332.8 | 1,388.1 |
| 1995 | 33.3 | 420.1 | 97.0 | 30.3 | 13.1 | 221.0 | 2.1 | 73.7 | 437.2 | 0.0 | 24.5 | 0.0 | (s) | 0.1 | 141.2 | 1,056.5 | 318.8 | 1,375.3 |
| 2000 | 14.2 | 365.8 | 164.1 | 38.6 | 21.1 | 220.5 | 1.5 | 72.0 | 517.9 | 0.0 | 24.2 | 0.0 | (s) | 0.1 | 169.1 | 1,091.3 | 382.5 | 1,473.8 |
| 2001 | 14.5 | 326.0 | 204.1 | 39.9 | 19.2 | 224.2 | 2.1 | 94.6 | 584.1 | 0.0 | 24.1 | 0.0 | (s) | 0.1 | 169.5 | 1,118.2 | 375.5 | 1,493.7 |
| 2002 | 14.6 | 322.8 | 179.0 | 36.5 | 26.5 | 219.9 | 2.9 | 88.5 | 553.3 | 0.0 | 20.6 | 0.0 | (s) | (s) | 168.8 | 1,080.2 | 374.2 | 1,454.4 |
| 2003 | 14.4 | 353.8 | 172.3 | 35.4 | 19.9 | 225.8 | 3.0 | 87.1 | 543.5 | 0.0 | 23.2 | 0.0 | (s) | (s) | 172.1 | 1,106.9 | 377.5 | 1,484.3 |
| 2004 | 15.1 | 349.1 | 132.4 | 39.1 | 26.6 | 236.4 | 3.8 | 93.5 | 531.9 | 0.0 | 26.5 | 0.0 | (s) | (s) | 173.8 | 1,096.5 | 382.3 | 1,478.8 |
| 2005 | 15.4 | 350.5 | 163.1 | 33.8 | 39.2 | 235.6 | 1.4 | 94.1 | 567.2 | 0.0 | 26.5 | 0.0 | (s) | (s) | 183.2 | 1,143.0 | 398.5 | 1,541.4 |
| 2006 | 15.1 | 357.3 | 185.9 | 32.1 | 53.6 | 227.9 | 1.5 | 92.3 | 593.3 | 0.0 | 27.2 | 0.0 | (s) | (s) | 187.3 | 1,180.3 | 402.7 | 1,583.0 |
| 2007 | 15.4 | 395.8 | 196.4 | 30.0 | 13.1 | 236.9 | 0.8 | 98.5 | 575.7 | 0.0 | 25.8 | 0.0 | (s) | (s) | 188.3 | 1,201.0 | 403.9 | 1,604.9 |
| 2008 | 14.6 | 417.8 | 215.6 | 31.7 | 11.3 | 232.3 | 2.6 | 79.1 | 572.7 | 0.0 | 12.7 | 0.0 | (s) | (s) | 192.0 | 1,209.9 | 411.0 | 1,620.9 |
| 2009 | 12.1 | 384.1 | 145.3 | 36.6 | 10.0 | 230.2 | 2.0 | 76.6 | 500.6 | 0.0 | 16.1 | 0.0 | (s) | (s) | 186.1 | 1,099.0 | 391.6 | 1,490.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 30 | 60 | 2 | 18 | 3,901 | 3,922 | 460 | – – | – – | 2,372 | – – | – – | – – |
| 1965 | 10 | 65 | 2 | 78 | 4,598 | 4,678 | 331 | – – | – – | 4,086 | – – | – – | – – |
| 1970 | 3 | 77 | 3 | 52 | 5,747 | 5,802 | 308 | – – | – – | 7,293 | – – | – – | – – |
| 1975 | 1 | 80 | 12 | 24 | 5,575 | 5,610 | 341 | – – | – – | 9,222 | – – | – – | – – |
| 1980 | 6 | 77 | 15 | 21 | 1,742 | 1,778 | 142 | – – | – – | 12,309 | – – | – – | – – |
| 1985 | 1 | 76 | 86 | 30 | 2,008 | 2,124 | 279 | – – | – – | 14,400 | – – | – – | – – |
| 1990 | (s) | 66 | (s) | 10 | 1,262 | 1,272 | 222 | – – | – – | 17,077 | – – | – – | – – |
| 1995 | 1 | 69 | 11 | 4 | 1,203 | 1,217 | 317 | – – | – – | 16,319 | – – | – – | – – |
| 1996 | (s) | 77 | 23 | 20 | 1,615 | 1,658 | 329 | – – | – – | 17,303 | – – | – – | – – |
| 1997 | 32 | 72 | 4 | 14 | 1,518 | 1,536 | 157 | – – | – – | 17,376 | – – | – – | – – |
| 1998 | (s) | 67 | 1 | 13 | 1,603 | 1,617 | 140 | – – | – – | 19,511 | – – | – – | – – |
| 1999 | (s) | 62 | 2 | 9 | 2,270 | 2,281 | 147 | – – | – – | 18,301 | – – | – – | – – |
| 2000 | 0 | 67 | 2 | 59 | 2,582 | 2,644 | 158 | – – | – – | 19,640 | – – | – – | – – |
| 2001 | (s) | 65 | 3 | 7 | 2,459 | 2,468 | 143 | – – | – – | 19,796 | – – | – – | – – |
| 2002 | (s) | 67 | 2 | 15 | 3,003 | 3,020 | 145 | – – | – – | 19,927 | – – | – – | – – |
| 2003 | (s) | 66 | 1 | 14 | 2,261 | 2,277 | 153 | – – | – – | 20,162 | – – | – – | – – |
| 2004 | 0 | 59 | 1 | 17 | 2,034 | 2,052 | 157 | – – | – – | 19,699 | – – | – – | – – |
| 2005 | (s) | 59 | 1 | 6 | 1,874 | 1,881 | R 159 | – – | – – | 21,309 | – – | – – | – – |
| 2006 | (s) | 53 | 1 | 9 | 1,971 | 1,981 | R 144 | – – | – – | 21,690 | – – | – – | – – |
| 2007 | (s) | 60 | 30 | 8 | 2,466 | 2,504 | R 159 | – – | – – | 21,361 | – – | – – | – – |
| 2008 | 0 | 66 | 1 | 3 | 2,131 | 2,136 | R 167 | – – | – – | 21,861 | – – | – – | – – |
| 2009 | 0 | 62 | 3 | 4 | 1,997 | 2,004 | 159 | – – | – – | 21,641 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.7 | 61.9 | (s) | 0.1 | 15.6 | 15.8 | 9.2 | NA | NA | 8.1 | 95.6 | 20.0 | 115.7 |
| 1965 | 0.2 | 66.5 | (s) | 0.4 | 18.4 | 18.9 | 6.6 | NA | NA | 13.9 | 106.2 | 33.3 | 139.5 |
| 1970 | 0.1 | 79.9 | (s) | 0.3 | 21.7 | 22.0 | 6.2 | NA | NA | 24.9 | 133.1 | 60.2 | 193.3 |
| 1975 | (s) | 79.6 | 0.1 | 0.1 | 20.7 | 20.9 | 6.8 | NA | NA | 31.5 | 138.8 | R 75.5 | R 214.3 |
| 1980 | 0.1 | 76.8 | 0.1 | 0.1 | 6.4 | 6.6 | 2.8 | NA | NA | 42.0 | 128.4 | R 100.9 | R 229.2 |
| 1985 | (s) | 77.6 | 0.5 | 0.2 | 7.2 | 7.9 | 5.6 | NA | NA | 49.1 | 140.2 | R 112.5 | R 252.8 |
| 1990 | (s) | 67.0 | (s) | 0.1 | 4.6 | 4.6 | 4.4 | (s) | 0.1 | 58.3 | 134.4 | R 133.7 | R 268.1 |
| 1995 | (s) | 69.7 | 0.1 | (s) | 4.4 | 4.4 | 6.3 | (s) | 0.1 | 55.7 | 136.3 | R 125.7 | R 262.0 |
| 1996 | (s) | 78.4 | 0.1 | 0.1 | 5.8 | 6.1 | 6.6 | (s) | 0.1 | 59.0 | 150.2 | R 133.4 | R 283.6 |
| 1997 | 0.6 | 72.2 | (s) | 0.1 | 5.5 | 5.6 | 3.1 | (s) | 0.1 | 59.3 | 140.8 | R 133.5 | R 274.3 |
| 1998 | (s) | 67.0 | (s) | 0.1 | 5.8 | 5.9 | 2.8 | (s) | 0.1 | 66.6 | 142.3 | R 150.0 | R 292.3 |
| 1999 | (s) | 62.9 | (s) | 0.1 | 8.2 | 8.3 | 2.9 | (s) | 0.1 | 62.4 | 136.6 | R 142.0 | R 278.6 |
| 2000 | 0.0 | 67.4 | (s) | 0.3 | 9.3 | 9.7 | 3.2 | (s) | 0.1 | 67.0 | 147.3 | R 151.6 | R 298.9 |
| 2001 | (s) | 66.3 | (s) | (s) | 8.9 | 8.9 | 2.9 | (s) | 0.1 | 67.5 | 145.7 | R 149.6 | R 295.4 |
| 2002 | (s) | 69.1 | (s) | 0.1 | 10.8 | 10.9 | 2.9 | (s) | (s) | 68.0 | 151.1 | R 150.7 | R 301.7 |
| 2003 | (s) | 67.7 | (s) | 0.1 | 8.2 | 8.3 | 3.1 | (s) | (s) | 68.8 | 147.9 | R 150.9 | R 298.8 |
| 2004 | 0.0 | 61.3 | (s) | 0.1 | 7.4 | 7.5 | 3.1 | (s) | (s) | 67.2 | 139.1 | R 147.8 | R 287.0 |
| 2005 | (s) | 61.1 | (s) | (s) | 6.8 | 6.8 | R 3.2 | (s) | (s) | 72.7 | R 143.9 | R 158.1 | R 302.0 |
| 2006 | (s) | 54.5 | (s) | (s) | 7.1 | 7.2 | R 2.9 | (s) | (s) | 74.0 | R 138.6 | R 159.1 | R 297.7 |
| 2007 | (s) | 63.7 | 0.2 | (s) | 8.9 | 9.1 | R 3.2 | (s) | (s) | 72.9 | R 148.9 | R 156.3 | R 305.3 |
| 2008 | 0.0 | 68.3 | (s) | (s) | 7.7 | 7.7 | R 3.3 | (s) | (s) | 74.6 | R 154.0 | R 159.6 | R 313.6 |
| 2009 | 0.0 | 64.3 | (s) | (s) | 7.1 | 7.1 | 3.2 | (s) | (s) | 73.8 | 148.5 | 155.4 | 303.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 21 | 29 | 72 | 83 | 732 | 177 | 395 | 1,459 | NA | – – | – – | 1,904 | – – | – – | – – |
| 1965 | 8 | 27 | 68 | 353 | 863 | 204 | 233 | 1,721 | NA | – – | – – | 2,945 | – – | – – | – – |
| 1970 | 3 | 44 | 95 | 233 | 1,078 | 229 | 190 | 1,825 | NA | – – | – – | 4,415 | – – | – – | – – |
| 1975 | 2 | 42 | 406 | 106 | 1,046 | 264 | 196 | 2,018 | NA | – – | – – | 6,810 | – – | – – | – – |
| 1980 | 24 | 47 | 315 | 15 | 327 | 301 | 30 | 988 | NA | – – | – – | 9,005 | – – | – – | – – |
| 1985 | 2 | 41 | 732 | 20 | 377 | 338 | 0 | 1,466 | NA | – – | – – | 11,706 | – – | – – | – – |
| 1990 | (s) | 37 | 626 | 13 | 237 | 374 | 80 | 1,329 | 0 | – – | – – | 13,663 | – – | – – | – – |
| 1995 | 10 | 40 | 270 | 5 | 226 | 38 | (s) | 539 | 0 | – – | – – | 13,359 | – – | – – | – – |
| 1996 | 1 | 46 | 383 | 5 | 303 | 38 | 0 | 729 | 0 | – – | – – | 13,828 | – – | – – | – – |
| 1997 | 259 | 45 | 566 | 16 | 285 | 37 | 0 | 905 | 0 | – – | – – | 14,275 | – – | – – | – – |
| 1998 | 1 | 44 | 619 | 21 | 301 | 37 | 0 | 978 | 0 | – – | – – | 15,211 | – – | – – | – – |
| 1999 | 2 | 40 | 362 | 12 | 426 | 37 | 0 | 837 | 0 | – – | – – | 15,164 | – – | – – | – – |
| 2000 | 0 | 43 | 242 | 32 | 485 | 38 | 0 | 797 | 0 | – – | – – | 15,989 | – – | – – | – – |
| 2001 | 1 | 41 | 673 | 8 | 461 | 39 | 0 | 1,181 | 0 | – – | – – | 16,515 | – – | – – | – – |
| 2002 | 1 | 40 | 350 | 5 | 563 | 76 | 10 | 1,005 | 0 | – – | – – | 16,661 | – – | – – | – – |
| 2003 | 1 | 37 | 95 | 5 | 605 | 78 | 0 | 782 | 0 | – – | – – | 16,958 | – – | – – | – – |
| 2004 | 0 | 37 | 293 | 7 | 339 | 129 | 1 | 769 | 0 | – – | – – | 17,020 | – – | – – | – – |
| 2005 | 1 | 39 | 252 | 9 | 370 | 139 | 0 | 770 | 0 | – – | – – | 17,477 | – – | – – | – – |
| 2006 | 3 | 35 | 292 | 9 | 373 | 123 | 0 | 796 | 0 | – – | – – | 18,197 | – – | – – | – – |
| 2007 | (s) | 41 | 473 | 8 | 365 | 218 | 0 | 1,064 | 0 | – – | – – | 18,634 | – – | – – | – – |
| 2008 | 0 | 41 | R 629 | 4 | 350 | 194 | 0 | R 1,177 | 0 | – – | – – | 19,022 | – – | – – | – – |
| 2009 | 0 | 41 | 768 | 3 | 304 | 174 | 0 | 1,249 | 0 | – – | – – | 18,662 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.5 | 29.8 | 0.4 | 0.5 | 2.9 | 0.9 | 2.5 | 7.2 | NA | 0.2 | NA | 6.5 | 44.2 | 16.1 | 60.3 |
| 1965 | 0.2 | 27.9 | 0.4 | 2.0 | 3.5 | 1.1 | 1.5 | 8.4 | NA | 0.1 | NA | 10.0 | 46.7 | 24.0 | 70.7 |
| 1970 | 0.1 | 45.3 | 0.6 | 1.3 | 4.1 | 1.2 | 1.2 | 8.3 | NA | 0.1 | NA | 15.1 | 68.9 | R 36.4 | 105.4 |
| 1975 | (s) | 41.6 | 2.4 | 0.6 | 3.9 | 1.4 | 1.2 | 9.5 | NA | 0.1 | NA | 23.2 | 74.5 | R 55.7 | R 130.3 |
| 1980 | 0.6 | 47.2 | 1.8 | 0.1 | 1.2 | 1.6 | 0.2 | 4.9 | NA | 0.1 | NA | 30.7 | 83.5 | R 73.8 | R 157.3 |
| 1985 | 0.1 | 41.6 | 4.3 | 0.1 | 1.4 | 1.8 | 0.0 | 7.5 | NA | 0.1 | NA | 39.9 | 89.2 | R 91.5 | R 180.7 |
| 1990 | (s) | 38.0 | 3.6 | 0.1 | 0.9 | 2.0 | 0.5 | 7.0 | 0.0 | 0.5 | 0.0 | 46.6 | 92.1 | R 107.0 | R 199.1 |
| 1995 | 0.2 | 40.2 | 1.6 | (s) | 0.8 | 0.2 | (s) | 2.6 | 0.0 | 0.9 | 0.0 | 45.6 | 89.5 | R 102.9 | R 192.4 |
| 1996 | (s) | 47.2 | 2.2 | (s) | 1.1 | 0.2 | 0.0 | 3.6 | 0.0 | 0.9 | 0.0 | 47.2 | 98.9 | R 106.6 | R 205.5 |
| 1997 | 4.5 | 45.3 | 3.3 | 0.1 | 1.0 | 0.2 | 0.0 | 4.6 | 0.0 | 0.5 | 0.0 | 48.7 | 103.7 | R 109.6 | R 213.3 |
| 1998 | (s) | 44.1 | 3.6 | 0.1 | 1.1 | 0.2 | 0.0 | 5.0 | 0.0 | 0.5 | 0.0 | 51.9 | 101.5 | R 117.0 | R 218.4 |
| 1999 | (s) | 40.4 | 2.1 | 0.1 | 1.5 | 0.2 | 0.0 | 3.9 | 0.0 | 0.5 | 0.0 | 51.7 | 96.6 | R 117.6 | R 214.2 |
| 2000 | 0.0 | 43.5 | 1.4 | 0.2 | 1.7 | 0.2 | 0.0 | 3.5 | 0.0 | 0.5 | 0.0 | 54.6 | 102.1 | R 123.4 | R 225.5 |
| 2001 | (s) | 41.6 | 3.9 | (s) | 1.7 | 0.2 | 0.0 | 5.8 | 0.0 | 0.5 | 0.0 | 56.3 | 104.3 | R 124.8 | R 229.2 |
| 2002 | (s) | 41.4 | 2.0 | (s) | 2.0 | 0.4 | 0.1 | 4.6 | 0.0 | 0.5 | 0.0 | 56.8 | 103.4 | R 126.0 | R 229.3 |
| 2003 | (s) | 38.6 | 0.6 | (s) | 2.2 | 0.4 | 0.0 | 3.2 | 0.0 | 0.5 | 0.0 | 57.9 | 100.2 | R 126.9 | R 227.1 |
| 2004 | 0.0 | 38.2 | 1.7 | (s) | 1.2 | 0.7 | (s) | 3.7 | 0.0 | 0.5 | 0.0 | 58.1 | 100.5 | R 127.7 | R 228.2 |
| 2005 | (s) | 40.5 | 1.5 | 0.1 | 1.3 | 0.7 | 0.0 | 3.6 | 0.0 | 0.5 | 0.0 | 59.6 | 104.3 | R 129.7 | R 233.9 |
| 2006 | 0.1 | 36.7 | 1.7 | (s) | 1.3 | 0.6 | 0.0 | 3.7 | 0.0 | 0.5 | 0.0 | 62.1 | R 103.0 | R 133.5 | R 236.5 |
| 2007 | (s) | 43.5 | 2.8 | (s) | 1.3 | 1.1 | 0.0 | 5.3 | 0.0 | 0.5 | 0.0 | 63.6 | R 112.8 | R 136.4 | R 249.2 |
| 2008 | 0.0 | 42.1 | R 3.7 | (s) | 1.3 | 1.0 | 0.0 | R 6.0 | 0.0 | R 0.5 | 0.0 | 64.9 | R 113.4 | R 138.9 | R 252.4 |
| 2009 | 0.0 | 42.8 | 4.5 | (s) | 1.1 | 0.9 | 0.0 | 6.5 | 0.0 | 0.5 | 0.0 | 63.7 | 113.4 | 134.0 | 247.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 25 | 128 | 1,193 | 1,511 | 1,383 | 1,017 | 10,522 | 15,626 | 0 | – – | – – | – – | 2,561 | – – | – – | – – |
| 1965 | 11 | 236 | 1,203 | 1,704 | 812 | 346 | 12,926 | 16,990 | 0 | – – | – – | – – | 3,563 | – – | – – | – – |
| 1970 | 0 | 218 | 2,084 | 2,277 | 515 | 477 | 14,571 | 19,924 | 0 | – – | – – | – – | 4,888 | – – | – – | – – |
| 1975 | 20 | 223 | 4,166 | 2,248 | 437 | 374 | 15,792 | 23,018 | 0 | – – | – – | – – | 7,233 | – – | – – | – – |
| 1980 | 264 | 246 | 3,705 | 6,683 | 359 | 702 | 15,047 | 26,495 | 0 | – – | – – | – – | 9,795 | – – | – – | – – |
| 1985 | 852 | 245 | 7,215 | 5,517 | 977 | 211 | 9,347 | 23,267 | 0 | – – | – – | – – | 10,576 | – – | – – | – – |
| 1990 | 557 | 307 | 3,592 | 1,693 | 834 | 484 | 11,589 | 18,192 | 0 | – – | – – | – – | 11,764 | – – | – – | – – |
| 1995 | 1,455 | 275 | 2,873 | 2,138 | 1,183 | 329 | 11,051 | 17,574 | 0 | – – | – – | – – | 11,714 | – – | – – | – – |
| 1996 | 738 | 274 | 3,388 | 2,117 | 1,216 | 259 | 12,246 | 19,226 | 0 | – – | – – | – – | 12,160 | – – | – – | – – |
| 1997 | 736 | 288 | 3,462 | 2,832 | 1,248 | 259 | 11,108 | 18,909 | 0 | – – | – – | – – | 12,802 | – – | – – | – – |
| 1998 | 698 | 260 | 3,329 | 1,846 | 1,319 | 100 | 11,459 | 18,053 | 0 | – – | – – | – – | 13,175 | – – | – – | – – |
| 1999 | 719 | 236 | 2,921 | 6,454 | 686 | 111 | 10,980 | 21,152 | 0 | – – | – – | – – | 13,271 | – – | – – | – – |
| 2000 | 714 | 231 | 3,341 | 2,751 | 671 | 237 | 10,884 | 17,884 | 0 | – – | – – | – – | 13,935 | – – | – – | – – |
| 2001 | 724 | 188 | 3,769 | 2,320 | 1,268 | 342 | 14,530 | 22,228 | 0 | – – | – – | – – | 13,356 | – – | – – | – – |
| 2002 | 724 | 182 | 3,459 | 3,728 | 1,398 | 449 | 13,526 | 22,561 | 0 | – – | – – | – – | 12,898 | – – | – – | – – |
| 2003 | 702 | 209 | 3,657 | 2,538 | 1,442 | 478 | 13,469 | 21,584 | 0 | – – | – – | – – | 13,308 | – – | – – | – – |
| 2004 | 714 | 211 | 3,645 | 4,923 | 1,691 | 611 | 14,406 | 25,276 | 0 | – – | – – | – – | 14,223 | – – | – – | – – |
| 2005 | 727 | 210 | 3,449 | 8,532 | 1,590 | 221 | 14,608 | 28,400 | 0 | – – | – – | – – | 14,920 | – – | – – | – – |
| 2006 | 732 | 226 | 3,797 | 12,462 | 1,683 | 246 | R 14,184 | R 32,372 | 0 | – – | – – | – – | 15,018 | – – | – – | – – |
| 2007 | 747 | 242 | 4,112 | 777 | 1,269 | 130 | R 15,270 | R 21,558 | 0 | – – | – – | – – | 15,198 | – – | – – | – – |
| 2008 | 713 | R 270 | R 4,183 | R 592 | 1,098 | 417 | R 12,260 | R 18,550 | 0 | – – | – – | – – | 15,395 | – – | – – | – – |
| 2009 | 630 | 242 | 2,163 | 431 | 1,111 | 311 | 11,766 | 15,782 | 0 | – – | – – | – – | 14,233 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.6 | 132.5 | 7.0 | 6.1 | 7.3 | 6.4 | 64.4 | 91.0 | 0.0 | 0.8 | NA | NA | 8.7 | 233.8 | 21.6 | 255.4 |
| 1965 | 0.3 | 242.2 | 7.0 | 6.8 | 4.3 | 2.2 | 79.7 | 99.9 | 0.0 | 0.9 | NA | NA | 12.2 | 355.4 | 29.0 | 384.4 |
| 1970 | 0.0 | 225.3 | 12.1 | 8.6 | 2.7 | 3.0 | 90.0 | 116.5 | 0.0 | 0.7 | NA | NA | 16.7 | 359.1 | R 40.3 | 399.5 |
| 1975 | 0.5 | 221.7 | 24.3 | 8.4 | 2.3 | 2.4 | 98.3 | 135.6 | 0.0 | 5.1 | NA | NA | 24.7 | 387.4 | R 59.2 | R 446.6 |
| 1980 | 5.6 | 246.4 | 21.6 | 24.6 | 1.9 | 4.4 | 93.2 | 145.7 | 0.0 | 8.3 | NA | NA | 33.4 | 439.4 | R 80.3 | R 519.7 |
| 1985 | 18.3 | 249.3 | 42.0 | 19.9 | 5.1 | 1.3 | 59.6 | 128.0 | 0.0 | 9.7 | 0.0 | NA | 36.1 | 441.3 | R 82.6 | R 524.0 |
| 1990 | 12.7 | 313.1 | 20.9 | 6.1 | 4.4 | 3.0 | 71.7 | 106.2 | 0.0 | 16.5 | 0.0 | 0.0 | 40.1 | 488.6 | R 92.1 | R 580.7 |
| 1995 | 33.0 | 278.9 | 16.7 | 7.7 | 6.2 | 2.1 | 68.2 | 100.9 | 0.0 | 17.3 | 0.0 | 0.0 | 40.0 | 470.2 | R 90.2 | R 560.4 |
| 1996 | 16.4 | 280.2 | 19.7 | 7.6 | 6.3 | 1.6 | 74.5 | 109.9 | 0.0 | 21.8 | 0.0 | 0.0 | 41.5 | 469.8 | R 93.8 | R 563.6 |
| 1997 | 15.4 | 289.9 | 20.2 | 10.2 | 6.5 | 1.6 | 66.8 | 105.4 | 0.0 | 21.6 | 0.0 | 0.0 | 43.7 | 475.9 | R 98.3 | R 574.2 |
| 1998 | 16.3 | 261.4 | 19.4 | 6.7 | 6.9 | 0.6 | 69.9 | 103.4 | 0.0 | 21.5 | 0.0 | 0.0 | 45.0 | 447.5 | R 101.3 | R 548.8 |
| 1999 | 16.8 | 240.6 | 17.0 | 23.3 | 3.6 | 0.7 | 66.4 | 111.0 | 0.0 | 19.4 | 0.0 | 0.0 | 45.3 | 433.0 | R 102.9 | R 536.0 |
| 2000 | 14.2 | 233.1 | 19.5 | 9.9 | 3.5 | 1.5 | 66.1 | 100.4 | 0.0 | 20.5 | 0.0 | 0.0 | 47.5 | 415.7 | R 107.5 | R 523.3 |
| 2001 | 14.5 | 193.1 | 22.0 | 8.4 | 6.6 | 2.1 | 89.6 | 128.7 | 0.0 | 20.7 | 0.0 | 0.0 | 45.6 | 402.5 | R 101.0 | R 503.5 |
| 2002 | 14.6 | 187.4 | 20.1 | 13.5 | 7.3 | 2.8 | 83.3 | 127.0 | 0.0 | 17.2 | 0.0 | 0.0 | 44.0 | 390.2 | R 97.5 | R 487.7 |
| 2003 | 14.3 | 215.2 | 21.3 | 9.2 | 7.5 | 3.0 | 82.3 | 123.4 | 0.0 | 19.6 | 0.0 | 0.0 | 45.4 | 417.9 | R 99.6 | R 517.5 |
| 2004 | 15.1 | 217.2 | 21.2 | 17.8 | 8.8 | 3.8 | 88.6 | 140.3 | 0.0 | 22.8 | 0.0 | 0.0 | 48.5 | 443.9 | R 106.7 | R 550.6 |
| 2005 | 15.4 | 216.2 | 20.1 | 30.9 | 8.3 | 1.4 | 89.6 | 150.2 | 0.0 | 22.8 | 0.0 | 0.0 | 50.9 | 455.6 | R 110.7 | R 566.3 |
| 2006 | 15.0 | 233.6 | 22.1 | 44.9 | 8.8 | 1.5 | R 86.8 | R 164.2 | 0.0 | R 23.8 | 0.0 | 0.0 | 51.2 | R 487.9 | R 110.2 | R 598.0 |
| 2007 | 15.4 | 258.0 | 24.0 | 2.8 | 6.6 | 0.8 | R 93.9 | R 128.1 | 0.0 | R 22.1 | 0.0 | 0.0 | 51.9 | R 475.5 | R 111.2 | R 586.7 |
| 2008 | 14.6 | R 278.7 | R 24.4 | 2.1 | 5.7 | 2.6 | R 74.9 | R 109.8 | 0.0 | R 8.9 | 0.0 | 0.0 | 52.5 | R 464.5 | R 112.4 | R 576.9 |
| 2009 | 12.1 | 249.7 | 12.6 | 1.5 | 5.8 | 2.0 | 71.8 | 93.7 | 0.0 | 12.4 | 0.0 | 0.0 | 48.6 | 416.4 | 102.2 | 518.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | 9 | 562 | 1,325 | 2,920 | 290 | 485 | 21,148 | 8 | 26,737 | 0 | – – | – – | – – |
| 1965 | (s) | 13 | 745 | 1,582 | 3,453 | 489 | 527 | 24,799 | 244 | 31,839 | 0 | – – | – – | – – |
| 1970 | 0 | 23 | 448 | 3,351 | 4,378 | 516 | 457 | 31,776 | 75 | 41,000 | 0 | – – | – – | – – |
| 1975 | (s) | 24 | 309 | 4,809 | 3,916 | 474 | 537 | 37,768 | 42 | 47,854 | 0 | – – | – – | – – |
| 1980 | 0 | 23 | 328 | 8,030 | 4,900 | 235 | 777 | 38,974 | 0 | 53,244 | 0 | – – | – – | – – |
| 1985 | 0 | 25 | 217 | 10,611 | 5,870 | 133 | 707 | 40,855 | 0 | 58,394 | 0 | – – | – – | – – |
| 1990 | 0 | 26 | 146 | 11,227 | 7,832 | 97 | 796 | 37,790 | 0 | 57,888 | 0 | – – | – – | – – |
| 1995 | 0 | 31 | 154 | 13,501 | 5,359 | 59 | 759 | 41,161 | 0 | 60,994 | 0 | – – | – – | – – |
| 1996 | 0 | 34 | 117 | 16,070 | 4,707 | 41 | 737 | 42,509 | 0 | 64,181 | 0 | – – | – – | – – |
| 1997 | 0 | 26 | 80 | 16,865 | 5,259 | 58 | 778 | 41,385 | 0 | 64,425 | 0 | – – | – – | – – |
| 1998 | 0 | 25 | 133 | 17,673 | 5,348 | 72 | 815 | 41,993 | 2 | 66,035 | 0 | – – | – – | – – |
| 1999 | 0 | 24 | 102 | 18,842 | 6,576 | 48 | 823 | 42,847 | 0 | 69,239 | 0 | – – | – – | – – |
| 2000 | 0 | 22 | 108 | 24,586 | 6,812 | 44 | 811 | 41,617 | 0 | 73,978 | 0 | – – | – – | – – |
| 2001 | 0 | 24 | 80 | 30,601 | 7,041 | 66 | 743 | 41,721 | 0 | 80,252 | 0 | – – | – – | – – |
| 2002 | 0 | 24 | 121 | 26,923 | 6,434 | 49 | 734 | 40,750 | 0 | 75,011 | 0 | – – | – – | – – |
| 2003 | 0 | 31 | 106 | 25,832 | 6,240 | 68 | 679 | 41,841 | 0 | 74,766 | 0 | – – | – – | – – |
| 2004 | 0 | 31 | 133 | 18,787 | 6,898 | 51 | 688 | 43,518 | 0 | 70,075 | 0 | – – | – – | – – |
| 2005 | 0 | 32 | 64 | 24,296 | 5,964 | 63 | 684 | 43,421 | 0 | 74,492 | 0 | – – | – – | – – |
| 2006 | 0 | 32 | 261 | 27,818 | 5,661 | 64 | 667 | 41,869 | 0 | 76,339 | 0 | – – | – – | – – |
| 2007 | 0 | 29 | 51 | 29,102 | 5,295 | 49 | 688 | 43,898 | 0 | 79,083 | 0 | – – | – – | – – |
| 2008 | 0 | 28 | 45 | R 32,201 | 5,591 | R 79 | 639 | 43,236 | 0 | R 81,791 | 0 | – – | – – | – – |
| 2009 | 0 | 27 | 245 | 22,003 | 6,447 | 70 | 575 | 42,836 | 0 | 72,176 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 9.3 | 2.8 | 7.7 | 15.7 | 1.2 | 2.9 | 111.1 | 0.1 | 141.4 | 0.0 | 150.8 | 0.0 | 150.8 |
| 1965 | (s) | 12.9 | 3.8 | 9.2 | 18.7 | 2.0 | 3.2 | 130.3 | 1.5 | 168.7 | 0.0 | 181.5 | 0.0 | 181.5 |
| 1970 | 0.0 | 23.5 | 2.3 | 19.5 | 24.0 | 1.9 | 2.8 | 166.9 | 0.5 | 217.9 | 0.0 | 241.4 | 0.0 | 241.4 |
| 1975 | (s) | 23.6 | 1.6 | 28.0 | 21.5 | 1.8 | 3.3 | 198.4 | 0.3 | 254.8 | 0.0 | 278.4 | 0.0 | 278.4 |
| 1980 | 0.0 | 22.8 | 1.7 | 46.8 | 26.9 | 0.9 | 4.7 | 204.7 | 0.0 | 285.6 | 0.0 | 308.4 | 0.0 | 308.4 |
| 1985 | 0.0 | 25.8 | 1.1 | 61.8 | 32.5 | 0.5 | 4.3 | 214.6 | 0.0 | 314.8 | 0.0 | 340.8 | 0.0 | 340.8 |
| 1990 | 0.0 | 26.6 | 0.7 | 65.4 | 43.8 | 0.4 | 4.8 | 198.5 | 0.0 | 313.6 | 0.0 | 340.2 | 0.0 | 340.2 |
| 1995 | 0.0 | 31.3 | 0.8 | 78.6 | 30.3 | 0.2 | 4.6 | 214.7 | 0.0 | 329.2 | 0.0 | 360.5 | 0.0 | 360.5 |
| 1996 | 0.0 | 34.6 | 0.6 | 93.6 | 26.7 | 0.1 | 4.5 | 221.7 | 0.0 | 347.2 | 0.0 | 381.8 | 0.0 | 381.8 |
| 1997 | 0.0 | 26.3 | 0.4 | 98.2 | 29.8 | 0.2 | 4.7 | 215.7 | 0.0 | 349.1 | 0.0 | 375.4 | 0.0 | 375.4 |
| 1998 | 0.0 | 24.9 | 0.7 | 102.9 | 30.3 | 0.3 | 4.9 | 218.9 | (s) | 358.0 | 0.0 | 382.9 | 0.0 | 382.9 |
| 1999 | 0.0 | 25.0 | 0.5 | 109.8 | 37.3 | 0.2 | 5.0 | 223.3 | 0.0 | 376.0 | 0.0 | 401.0 | 0.0 | 401.0 |
| 2000 | 0.0 | 21.9 | 0.5 | 143.2 | 38.6 | 0.2 | 4.9 | 216.8 | 0.0 | 404.3 | 0.0 | 426.1 | 0.0 | 426.1 |
| 2001 | 0.0 | 25.0 | 0.4 | 178.3 | 39.9 | 0.2 | 4.5 | 217.4 | 0.0 | 440.7 | 0.0 | 465.6 | 0.0 | 465.6 |
| 2002 | 0.0 | 24.8 | 0.6 | 156.8 | 36.5 | 0.2 | 4.5 | 212.2 | 0.0 | 410.8 | 0.0 | 435.6 | 0.0 | 435.6 |
| 2003 | 0.0 | 32.3 | 0.5 | 150.5 | 35.4 | 0.2 | 4.1 | 217.9 | 0.0 | 408.6 | 0.0 | 440.9 | 0.0 | 440.9 |
| 2004 | 0.0 | 32.4 | 0.7 | 109.4 | 39.1 | 0.2 | 4.2 | 226.9 | 0.0 | 380.5 | 0.0 | 412.9 | 0.0 | 412.9 |
| 2005 | 0.0 | 32.6 | 0.3 | 141.5 | 33.8 | 0.2 | 4.1 | 226.6 | 0.0 | 406.6 | 0.0 | 439.2 | 0.0 | 439.2 |
| 2006 | 0.0 | 32.6 | 1.3 | 162.0 | 32.1 | 0.2 | 4.0 | 218.5 | 0.0 | 418.2 | 0.0 | 450.8 | 0.0 | 450.8 |
| 2007 | 0.0 | 30.5 | 0.3 | 169.5 | 30.0 | 0.2 | 4.2 | 229.1 | 0.0 | 433.3 | 0.0 | 463.8 | 0.0 | 463.8 |
| 2008 | 0.0 | 28.7 | 0.2 | R 187.6 | 31.7 | 0.3 | 3.9 | 225.6 | 0.0 | R 449.3 | 0.0 | R 477.9 | 0.0 | R 477.9 |
| 2009 | 0.0 | 27.4 | 1.2 | 128.2 | 36.6 | 0.2 | 3.5 | 223.5 | 0.0 | 393.2 | 0.0 | 420.6 | 0.0 | 420.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Oklahoma

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | (s) | 83 | 33 | 26 | 0 | 59 | 0 | 705 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 1 | 127 | 28 | 22 | 0 | 50 | 0 | 825 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 1 | 235 | 64 | 51 | 0 | 116 | 0 | 1,406 | – – | 0 | NA | NA | 0 | – – |
| 1975 | (s) | 301 | 29 | 55 | 0 | 85 | 0 | 2,945 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 5,752 | 330 | (s) | 59 | 0 | 59 | 0 | 1,315 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 12,747 | 201 | 9 | 79 | 0 | 87 | 0 | 3,980 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 14,957 | 176 | 58 | 28 | 0 | 86 | 0 | 2,731 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 19,276 | 161 | 112 | 17 | 0 | 129 | 0 | 2,780 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 20,402 | 143 | 133 | 84 | 0 | 217 | 0 | 2,158 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 21,151 | 135 | 10 | 20 | 0 | 30 | 0 | 2,921 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 20,013 | 181 | 0 | 18 | 0 | 18 | 0 | 3,509 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 19,567 | 177 | (s) | 24 | 0 | 24 | 0 | 3,175 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 20,708 | 176 | 0 | 77 | 0 | 77 | 0 | 2,277 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 20,500 | 174 | 1 | 257 | 0 | 258 | 0 | 2,345 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 21,365 | 195 | 2 | 18 | 0 | 20 | 0 | 1,988 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 21,580 | 197 | 35 | 153 | 0 | 188 | 0 | 1,798 | – – | 0 | 0 | 54 | 0 | – – |
| 2004 | 20,294 | 200 | 11 | 31 | 0 | 42 | 0 | 2,977 | – – | 0 | 0 | 573 | (s) | – – |
| 2005 | 21,952 | 242 | 3 | 23 | 0 | 25 | 0 | 2,630 | – – | 0 | 0 | 848 | (s) | – – |
| 2006 | 21,188 | 279 | (s) | 46 | 0 | 46 | 0 | 624 | – – | 0 | 0 | 1,712 | 0 | – – |
| 2007 | 20,547 | 287 | 190 | 59 | 0 | 249 | 0 | 3,066 | – – | 0 | 0 | 1,849 | 0 | – – |
| 2008 | 21,957 | 283 | 0 | 23 | 0 | 23 | 0 | 3,811 | – – | 0 | 0 | 2,358 | 0 | – – |
| 2009 | 20,959 | 285 | 0 | 23 | 0 | 23 | 0 | 3,553 | – – | 0 | 0 | 2,698 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | 85.7 | 0.2 | 0.2 | 0.0 | 0.4 | 0.0 | 7.6 | 0.0 | 0.0 | NA | NA | 0.0 | 93.7 |
| 1965 | (s) | 130.5 | 0.2 | 0.1 | 0.0 | 0.3 | 0.0 | 8.6 | 0.0 | 0.0 | NA | NA | 0.0 | 139.5 |
| 1970 | (s) | 242.2 | 0.4 | 0.3 | 0.0 | 0.7 | 0.0 | 14.8 | 0.0 | 0.0 | NA | NA | 0.0 | 257.7 |
| 1975 | (s) | 312.3 | 0.2 | 0.3 | 0.0 | 0.5 | 0.0 | 30.6 | 0.0 | 0.0 | NA | NA | 0.0 | 343.5 |
| 1980 | 100.0 | 345.8 | (s) | 0.3 | 0.0 | 0.3 | 0.0 | 13.7 | 0.0 | 0.0 | NA | NA | 0.0 | 459.8 |
| 1985 | 218.8 | 209.5 | 0.1 | 0.5 | 0.0 | 0.5 | 0.0 | 41.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 470.4 |
| 1990 | 266.1 | 183.6 | 0.4 | 0.2 | 0.0 | 0.5 | 0.0 | 28.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 478.6 |
| 1995 | 336.6 | 166.3 | 0.7 | 0.1 | 0.0 | 0.8 | 0.0 | 28.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 532.4 |
| 1996 | 356.7 | 147.5 | 0.8 | 0.5 | 0.0 | 1.3 | 0.0 | 22.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 527.8 |
| 1997 | 372.0 | 139.8 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 29.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 541.8 |
| 1998 | 353.8 | 186.6 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 576.3 |
| 1999 | 343.8 | 182.0 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 32.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 558.4 |
| 2000 | 366.9 | 180.9 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 571.4 |
| 2001 | 361.6 | 179.2 | (s) | 1.5 | 0.0 | 1.5 | 0.0 | 24.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 566.6 |
| 2002 | 376.8 | 199.7 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 20.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 596.8 |
| 2003 | 379.4 | 202.5 | 0.2 | 0.9 | 0.0 | 1.1 | 0.0 | 18.4 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 602.0 |
| 2004 | 357.0 | 206.2 | 0.1 | 0.2 | 0.0 | 0.3 | 0.0 | 29.8 | 0.0 | 0.0 | 0.0 | 5.7 | (s) | 599.0 |
| 2005 | 382.0 | 249.5 | (s) | 0.1 | 0.0 | 0.1 | 0.0 | 26.3 | 0.0 | 0.0 | 0.0 | 8.5 | (s) | 666.4 |
| 2006 | 369.3 | 287.0 | (s) | 0.3 | 0.0 | 0.3 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 17.0 | 0.0 | 679.8 |
| 2007 | 357.8 | 294.9 | 1.2 | 0.3 | 0.0 | 1.5 | 0.0 | 30.3 | 0.0 | 0.0 | 0.0 | 18.3 | 0.0 | 702.8 |
| 2008 | 377.1 | 292.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 37.6 | (s) | 0.0 | 0.0 | 23.2 | 0.0 | 730.3 |
| 2009 | 361.2 | 294.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 34.7 | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 716.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 381 | 31 | 10,966 | 384 | 1,164 | 16,361 | 5,562 | 3,430 | 37,866 | 0 | 12,466 | NA |
| 1965 | 305 | 56 | 13,085 | 812 | 961 | 19,838 | 5,115 | 4,521 | 44,332 | 0 | 16,508 | NA |
| 1970 | 140 | 95 | 12,904 | 2,086 | 1,251 | 24,958 | 6,632 | 5,071 | 52,903 | 0 | 29,912 | NA |
| 1971 | 157 | 101 | 14,178 | 2,072 | 1,350 | 26,147 | 6,577 | 5,281 | 55,606 | 0 | 34,364 | NA |
| 1972 | 104 | 110 | 15,695 | 2,085 | 1,214 | 27,756 | 7,880 | 5,900 | 60,530 | 0 | 36,478 | NA |
| 1973 | 101 | 108 | 16,256 | 2,386 | 1,089 | 28,953 | 7,372 | 5,299 | 61,356 | 0 | 28,150 | NA |
| 1974 | 156 | 98 | 13,937 | 2,212 | 1,113 | 28,253 | 6,542 | 4,950 | 57,006 | 0 | 36,004 | NA |
| 1975 | 130 | 110 | 13,267 | 2,079 | 726 | 28,904 | 4,321 | 5,688 | 54,984 | 2 | 34,562 | NA |
| 1976 | 306 | 93 | 14,220 | 2,055 | 710 | 30,747 | 3,463 | 5,075 | 56,270 | 2,103 | 35,384 | NA |
| 1977 | 277 | 73 | 16,804 | 2,307 | 749 | 32,054 | 3,362 | 5,612 | 60,887 | 6,492 | 24,385 | NA |
| 1978 | 251 | 86 | 17,193 | 2,534 | 835 | 33,497 | 4,595 | 6,038 | 64,691 | 1,563 | 31,911 | NA |
| 1979 | 255 | 94 | 18,285 | 2,631 | 1,466 | 31,845 | 5,445 | 5,643 | 65,315 | 4,495 | 29,866 | NA |
| 1980 | 715 | 79 | 16,764 | 2,465 | 1,354 | 30,511 | 4,511 | 4,649 | 60,254 | 5,395 | 30,222 | NA |
| 1981 | 1,514 | 76 | 16,423 | 1,694 | 1,259 | 29,713 | 6,344 | 4,478 | 59,911 | 6,424 | 32,160 | 0 |
| 1982 | 700 | 71 | 14,974 | 1,785 | 1,322 | 28,386 | 10,531 | 3,866 | 60,865 | 4,792 | 45,223 | 5 |
| 1983 | 578 | 67 | 16,035 | 1,777 | 1,321 | 28,309 | 4,244 | 3,907 | 55,594 | 3,685 | 45,077 | 3 |
| 1984 | 685 | 79 | 15,328 | 1,962 | 1,301 | 29,354 | 5,766 | 4,120 | 57,831 | 4,736 | 46,635 | 1 |
| 1985 | 591 | 83 | 15,027 | 2,142 | 1,527 | 29,047 | 4,961 | 4,544 | 57,248 | 6,911 | 40,780 | (s) |
| 1986 | 163 | 71 | 14,699 | 2,618 | 1,517 | 29,947 | 5,491 | 4,326 | 58,598 | 7,081 | 40,771 | 0 |
| 1987 | 205 | 80 | 15,015 | 2,928 | 1,490 | 30,649 | 5,089 | 4,884 | 60,055 | 4,348 | 35,459 | 0 |
| 1988 | 177 | 87 | 15,935 | 3,189 | 1,581 | 32,092 | 6,155 | 5,088 | 64,040 | 6,339 | 34,674 | 0 |
| 1989 | 396 | 108 | 16,006 | 3,377 | 1,612 | 31,889 | 5,339 | 5,342 | 63,566 | 5,299 | 38,007 | 0 |
| 1990 | 934 | 109 | 15,902 | 3,319 | 1,384 | 31,728 | 4,430 | 5,582 | 62,345 | 6,074 | 41,240 | 0 |
| 1991 | 1,940 | 124 | 16,033 | 3,744 | 1,559 | 32,125 | 6,296 | 5,206 | 64,961 | 1,465 | 41,088 | 0 |
| 1992 | 2,124 | 123 | 16,159 | 4,011 | 1,430 | 31,921 | 6,497 | 6,485 | 66,503 | 4,573 | 31,719 | 508 |
| 1993 | 2,100 | 137 | 16,838 | 4,310 | 1,561 | 33,528 | 4,595 | 5,188 | 66,020 | -21 | 35,864 | 874 |
| 1994 | 2,479 | 147 | 16,816 | 4,649 | 1,423 | 33,837 | 4,385 | 5,490 | 66,600 | 0 | 31,220 | 0 |
| 1995 | 1,125 | 146 | 16,530 | 5,114 | 1,535 | 34,021 | 3,589 | 4,729 | 65,518 | 0 | 40,764 | 0 |
| 1996 | 1,134 | 181 | 16,074 | 5,235 | 1,627 | 35,161 | 3,249 | 4,556 | 65,901 | 0 | 44,906 | 0 |
| 1997 | 918 | 185 | 16,641 | 5,723 | 898 | 33,594 | 3,449 | 4,564 | 64,869 | 0 | 46,704 | 0 |
| 1998 | 2,074 | 229 | 16,005 | 5,866 | 773 | 36,360 | 3,871 | 6,893 | 69,767 | 0 | 39,902 | 353 |
| 1999 | 2,154 | 235 | 17,426 | 6,437 | 1,179 | 36,512 | 2,581 | 7,361 | 71,494 | 0 | 45,639 | 299 |
| 2000 | 2,241 | 225 | 18,519 | 6,277 | 1,320 | 35,989 | 1,468 | 5,583 | 69,156 | 0 | 38,116 | 335 |
| 2001 | 2,490 | 230 | 17,413 | 5,217 | 1,009 | 36,157 | 1,360 | 3,859 | 65,016 | 0 | 28,645 | 438 |
| 2002 | 2,205 | 202 | 17,762 | 5,175 | 1,307 | 36,898 | 1,758 | 4,740 | 67,640 | 0 | 34,413 | 834 |
| 2003 | 2,598 | 213 | 15,547 | 5,589 | 1,335 | 36,527 | 1,942 | 4,666 | 65,607 | 0 | 33,250 | 635 |
| 2004 | 2,141 | 235 | 17,792 | 5,097 | 1,022 | 36,818 | 2,069 | 5,007 | 67,805 | 0 | 33,081 | 669 |
| 2005 | 2,112 | 233 | 17,853 | 5,402 | 1,278 | 37,488 | 2,186 | 5,062 | 69,268 | 0 | 30,948 | 1,133 |
| 2006 | 1,558 | 223 | 18,586 | 5,764 | 1,092 | 37,956 | 2,069 | R 5,417 | R 70,885 | 0 | 37,850 | 1,273 |
| 2007 | 2,672 | 252 | 18,847 | 5,630 | 1,066 | 37,810 | 2,539 | R 4,444 | R 70,337 | 0 | 33,587 | 1,609 |
| 2008 | 2,451 | 268 | R 19,236 | 5,464 | 1,774 | 36,410 | 1,800 | R 4,147 | R 68,830 | 0 | 33,805 | 2,827 |
| 2009 | 1,933 | 249 | 18,597 | 6,525 | 1,794 | 37,005 | 918 | 3,570 | 68,409 | 0 | 33,034 | 3,261 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Oregon
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 8.9 | 31.9 | 63.9 | 2.1 | 4.7 | 85.9 | 35.0 | 21.1 | 212.7 | 253.6 | *31.9* | *85.9* |
| 1965 | 7.1 | 60.0 | 76.2 | 4.5 | 3.9 | 104.2 | 32.2 | 28.0 | 249.0 | 316.1 | *60.0* | *104.2* |
| 1970 | 3.0 | 99.6 | 75.2 | 11.8 | 4.7 | 131.1 | 41.7 | 31.3 | 295.7 | 398.4 | *99.6* | *131.1* |
| 1971 | 3.4 | 105.4 | 82.6 | 11.7 | 5.1 | 137.4 | 41.4 | 33.2 | 311.2 | 420.1 | *105.4* | *137.4* |
| 1972 | 2.2 | 115.3 | 91.4 | 11.8 | 4.6 | 145.8 | 49.5 | 37.1 | 340.2 | 457.8 | *115.3* | *145.8* |
| 1973 | 2.1 | 114.3 | 94.7 | 13.5 | 4.1 | 152.1 | 46.3 | 33.4 | 344.0 | 460.5 | *114.3* | *152.1* |
| 1974 | 3.3 | 102.4 | 81.2 | 12.5 | 4.2 | 148.4 | 41.1 | 31.0 | 318.4 | 424.0 | *102.4* | *148.4* |
| 1975 | 2.7 | 114.2 | 77.3 | 11.7 | 2.7 | 151.8 | 27.2 | 35.9 | 306.6 | 423.5 | *114.2* | *151.8* |
| 1976 | 5.9 | 95.8 | 82.8 | 11.6 | 2.6 | 161.5 | 21.8 | 32.0 | 312.3 | 414.0 | *95.8* | *161.5* |
| 1977 | 5.2 | 75.6 | 97.9 | 13.0 | 2.8 | 168.4 | 21.1 | 35.1 | 338.3 | 419.1 | *75.6* | *168.4* |
| 1978 | 4.7 | 90.0 | 100.1 | 14.3 | 3.1 | 176.0 | 28.9 | 37.7 | 360.1 | 454.8 | *90.0* | *176.0* |
| 1979 | 4.7 | 97.9 | 106.5 | 14.9 | 5.4 | 167.3 | 34.2 | 35.6 | 363.9 | 466.5 | *97.9* | *167.3* |
| 1980 | 12.1 | 82.3 | 97.7 | 13.9 | 5.0 | 160.3 | 28.4 | 29.1 | 334.3 | 428.7 | *82.3* | *160.3* |
| 1981 | 25.8 | 78.9 | 95.7 | 9.6 | 4.6 | 156.1 | 39.9 | 27.8 | 333.6 | 438.3 | *78.9* | *156.1* |
| 1982 | 11.8 | 73.9 | 87.2 | 10.1 | 4.8 | 149.1 | 66.2 | 24.1 | 341.5 | 427.2 | *73.9* | *149.1* |
| 1983 | 9.9 | 69.8 | 93.4 | 10.0 | 4.8 | 148.7 | 26.7 | 24.7 | 308.3 | 387.9 | *69.8* | *148.7* |
| 1984 | 11.8 | 81.5 | 89.3 | 11.1 | 4.7 | 154.2 | 36.3 | 26.1 | 321.6 | 414.9 | *81.5* | *154.2* |
| 1985 | 10.0 | 85.5 | 87.5 | 12.1 | 5.5 | 152.6 | 31.2 | 28.9 | 317.8 | 413.3 | *85.5* | *152.6* |
| 1986 | 2.9 | 72.5 | 85.6 | 14.8 | 5.5 | 157.3 | 34.5 | 27.1 | 324.8 | 400.3 | *72.5* | *157.3* |
| 1987 | 3.7 | 82.5 | 87.5 | 16.5 | 5.5 | 161.0 | 32.0 | 30.5 | 332.9 | 419.0 | *82.5* | *161.0* |
| 1988 | 3.1 | 89.2 | 92.8 | 18.0 | 5.8 | 168.6 | 38.7 | 31.9 | 355.8 | 448.1 | *89.2* | *168.6* |
| 1989 | 6.7 | 111.8 | 93.2 | 19.1 | 5.9 | 167.5 | 33.6 | 33.7 | 353.0 | 471.6 | *111.8* | *167.5* |
| 1990 | 15.7 | 111.7 | 92.6 | 18.8 | 5.0 | 166.7 | 27.9 | 35.3 | 346.2 | 473.6 | *111.7* | *166.7* |
| 1991 | 32.8 | 127.8 | 93.4 | 21.1 | 5.6 | 168.8 | 39.6 | 32.6 | 361.1 | 521.7 | *127.8* | *168.8* |
| 1992 | 40.8 | 127.2 | 94.1 | 22.7 | 5.2 | 167.7 | 40.8 | 40.7 | 371.2 | 539.1 | *127.2* | *167.7* |
| 1993 | 37.1 | 141.8 | 98.1 | 24.4 | 5.6 | R 173.1 | 28.9 | 32.9 | R 363.0 | R 541.9 | *141.8* | *176.1* |
| 1994 | 44.6 | 152.9 | 98.0 | 26.4 | 5.2 | 177.0 | 27.6 | 34.7 | 368.8 | 566.3 | *152.9* | *177.0* |
| 1995 | 20.2 | 152.1 | 96.3 | 29.0 | 5.6 | 177.4 | 22.6 | 29.8 | 360.6 | 532.9 | *152.1* | *177.4* |
| 1996 | 20.3 | 188.2 | 93.6 | 29.7 | 5.9 | 183.4 | 20.4 | 28.8 | 361.8 | 570.3 | *188.2* | *183.4* |
| 1997 | 16.4 | 193.8 | 96.9 | 32.4 | 3.2 | 175.1 | 21.7 | 29.0 | 358.5 | 568.6 | *193.8* | *175.1* |
| 1998 | 36.1 | 239.3 | 93.2 | 33.3 | 2.8 | 188.3 | 24.3 | 43.8 | 385.7 | 661.1 | *239.3* | *189.5* |
| 1999 | 38.6 | 247.0 | 101.5 | 36.5 | 4.3 | 189.2 | 16.2 | 46.2 | 393.9 | 679.5 | *247.0* | *190.3* |
| 2000 | 38.7 | 231.0 | 107.9 | 35.6 | 4.8 | 186.3 | 9.2 | 35.3 | 379.1 | R 648.8 | *231.0* | *187.5* |
| 2001 | 43.4 | 235.6 | 101.4 | 29.6 | 3.6 | R 186.9 | 8.6 | 24.0 | R 354.1 | R 633.1 | *235.6* | *188.4* |
| 2002 | 37.8 | 206.8 | 103.5 | 29.3 | 4.7 | R 189.3 | 11.1 | 30.0 | R 367.9 | R 612.5 | *206.8* | *192.2* |
| 2003 | 44.9 | 215.1 | 90.6 | 31.7 | 4.8 | R 188.0 | 12.2 | 29.7 | R 357.0 | R 617.0 | *215.1* | *190.2* |
| 2004 | 36.5 | 238.0 | 103.6 | 28.9 | 3.7 | R 189.7 | 13.0 | 31.9 | R 370.9 | R 645.4 | *238.1* | *192.0* |
| 2005 | 35.6 | 239.5 | 104.0 | 30.6 | 4.6 | R 191.7 | 13.7 | 32.3 | R 377.0 | R 652.1 | *239.5* | *195.6* |
| 2006 | 26.9 | 229.7 | 108.3 | 32.7 | 3.9 | R 193.6 | 13.0 | R 34.2 | R 385.7 | R 642.4 | *229.7* | *198.1* |
| 2007 | 45.5 | 258.2 | 109.8 | 31.9 | 3.8 | R 191.7 | 16.0 | R 27.8 | R 381.1 | R 684.8 | *258.2* | *197.3* |
| 2008 | 41.4 | 274.7 | R 112.1 | 31.0 | 6.4 | R 180.2 | 11.3 | R 26.0 | R 366.9 | R 683.0 | *274.7* | *190.0* |
| 2009 | 33.2 | 254.7 | 108.3 | 37.0 | 6.4 | 181.8 | 5.8 | 22.4 | 361.7 | 649.6 | *254.7* | *193.1* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Oregon (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 134.1 | 56.4 | NA | NA | 56.4 | 0.0 | NA | NA | 190.5 | 26.8 | 0.0 | 470.8 |
| 1965 | 0.0 | 172.6 | 57.8 | NA | NA | 57.8 | 0.0 | NA | NA | 230.4 | R 46.0 | 0.0 | R 592.5 |
| 1970 | 0.0 | 313.9 | 57.4 | NA | NA | 57.4 | 0.0 | NA | NA | 371.3 | R -15.5 | 0.0 | R 754.2 |
| 1971 | 0.0 | 360.1 | 59.2 | NA | NA | 59.2 | 0.0 | NA | NA | 419.3 | R -42.5 | 0.0 | R 796.8 |
| 1972 | 0.0 | 378.6 | 57.3 | NA | NA | 57.3 | 0.0 | NA | NA | 435.9 | R -56.3 | (s) | R 837.4 |
| 1973 | 0.0 | 292.4 | 58.6 | NA | NA | 58.6 | 0.0 | NA | NA | 351.0 | R 43.3 | 0.0 | R 854.9 |
| 1974 | 0.0 | 376.0 | 56.9 | NA | NA | 56.9 | 0.0 | NA | NA | 432.9 | R -19.3 | 0.0 | R 837.6 |
| 1975 | (s) | 359.7 | 57.7 | NA | NA | 57.7 | 0.0 | NA | NA | 417.4 | R 26.8 | (s) | R 867.6 |
| 1976 | 23.2 | 367.0 | 67.3 | NA | NA | 67.3 | 0.0 | NA | NA | 434.4 | R 14.3 | 0.0 | R 885.9 |
| 1977 | 69.9 | 254.5 | 73.3 | NA | NA | 73.3 | 0.0 | NA | NA | 327.8 | R 68.3 | 0.0 | R 885.1 |
| 1978 | 17.1 | 330.6 | 78.0 | NA | NA | 78.0 | 0.0 | NA | NA | 408.6 | R 70.6 | 0.0 | R 951.1 |
| 1979 | 48.9 | 309.2 | 78.1 | NA | NA | 78.1 | 0.0 | NA | NA | 387.3 | R 74.4 | 0.0 | R 977.1 |
| 1980 | 58.8 | 314.0 | 87.2 | NA | NA | 87.2 | 0.0 | NA | NA | 401.1 | R 56.3 | 0.0 | R 945.0 |
| 1981 | 70.9 | 336.2 | 92.6 | 0.0 | 0.0 | 92.6 | 0.0 | NA | NA | 428.8 | R 1.0 | 0.0 | R 938.9 |
| 1982 | 53.1 | 472.8 | 88.3 | (s) | 0.0 | 88.4 | 0.0 | NA | NA | 561.1 | R -135.6 | 0.0 | R 905.9 |
| 1983 | 40.2 | 474.2 | 100.0 | (s) | 0.0 | 100.0 | 0.0 | NA | (s) | 574.2 | R -134.5 | 0.0 | R 867.9 |
| 1984 | 51.3 | 486.9 | 103.7 | (s) | 0.0 | 103.7 | 0.0 | 0.0 | 0.0 | 590.5 | R -120.3 | 0.0 | R 936.4 |
| 1985 | 73.4 | 426.0 | 103.6 | (s) | 0.0 | 103.6 | 0.0 | 0.0 | 0.0 | 529.6 | R -119.9 | 17.4 | R 913.8 |
| 1986 | 74.9 | 425.9 | 106.8 | 0.0 | 0.0 | 106.8 | 0.0 | 0.0 | 0.0 | 532.7 | R -117.0 | 4.5 | R 895.5 |
| 1987 | 45.4 | 369.5 | 107.6 | 0.0 | 0.0 | 107.6 | 0.0 | 0.0 | 0.0 | 477.1 | R -19.0 | 17.9 | R 940.5 |
| 1988 | 67.2 | 358.0 | 112.6 | 0.0 | 0.0 | 112.6 | 0.0 | 0.0 | 0.0 | 470.6 | R -0.4 | 5.6 | R 991.0 |
| 1989 | 56.1 | 396.5 | 84.5 | 0.0 | 0.0 | 84.5 | 0.4 | 0.3 | 0.0 | 481.7 | R -17.0 | 7.3 | R 999.6 |
| 1990 | 64.3 | 429.0 | 57.7 | 0.0 | 0.0 | 57.7 | 0.4 | 0.3 | (s) | 487.4 | R -42.3 | 2.9 | R 985.8 |
| 1991 | 15.4 | 428.8 | 55.1 | 0.0 | 0.0 | 55.1 | 0.4 | 0.4 | (s) | 484.6 | R -9.7 | 4.5 | R 1,016.5 |
| 1992 | 47.9 | 328.0 | 45.4 | 1.8 | 0.0 | 47.2 | 0.4 | 0.4 | (s) | 376.0 | R 39.1 | 3.0 | R 1,005.0 |
| 1993 | -0.2 | 369.7 | 43.6 | 3.0 | 0.0 | R 46.6 | 0.4 | 0.4 | 0.0 | R 417.2 | R 64.8 | 3.7 | R 1,027.4 |
| 1994 | 0.0 | 322.1 | 45.1 | 0.0 | 0.0 | 45.1 | 0.4 | 0.5 | 0.0 | 368.0 | R 96.1 | 3.6 | R 1,034.0 |
| 1995 | 0.0 | 420.4 | 45.9 | 0.0 | 0.0 | 45.9 | 0.4 | 0.5 | 0.0 | 467.2 | R 40.7 | 2.8 | R 1,043.6 |
| 1996 | 0.0 | 464.3 | 52.1 | 0.0 | 0.0 | 52.1 | 0.4 | 0.6 | 0.0 | 517.5 | R 12.6 | 9.5 | R 1,109.9 |
| 1997 | 0.0 | 477.0 | 52.6 | 0.0 | 0.0 | 52.6 | 0.4 | 0.6 | 0.0 | 530.6 | R 13.2 | 2.6 | R 1,115.1 |
| 1998 | 0.0 | 406.9 | 46.1 | 1.2 | 0.0 | 47.4 | 0.5 | 0.6 | 0.2 | 455.6 | R 15.1 | 2.0 | R 1,133.8 |
| 1999 | 0.0 | 466.7 | 41.1 | 1.0 | 0.0 | 42.2 | 0.7 | 0.7 | 0.9 | 511.1 | R -32.1 | 1.1 | R 1,159.6 |
| 2000 | 0.0 | 388.8 | 46.0 | 1.2 | 0.0 | R 47.1 | 0.8 | 0.7 | 0.7 | 438.1 | R 54.0 | 0.5 | R 1,141.3 |
| 2001 | 0.0 | 296.0 | 51.5 | 1.5 | 0.0 | 53.1 | 0.9 | 0.7 | 0.9 | R 351.5 | R 71.9 | 0.5 | R 1,057.0 |
| 2002 | 0.0 | 350.1 | 45.2 | 2.9 | 0.0 | 48.1 | 0.9 | 0.7 | 3.8 | R 403.6 | R 39.9 | 5.0 | R 1,060.9 |
| 2003 | 0.0 | 340.5 | 41.7 | 2.2 | 0.0 | 44.0 | 0.9 | R 0.7 | 4.5 | 390.7 | R 20.6 | 0.9 | R 1,029.2 |
| 2004 | 0.0 | 331.5 | 45.5 | 2.3 | 0.0 | R 47.8 | 0.9 | 0.8 | 6.2 | R 387.2 | R 25.0 | 8.3 | R 1,065.9 |
| 2005 | 0.0 | 309.5 | R 45.5 | 3.9 | 0.0 | R 49.5 | 1.0 | 0.9 | 7.3 | R 368.1 | R 52.9 | 0.3 | 1,073.4 |
| 2006 | 0.0 | 375.4 | R 46.7 | 4.4 | 0.0 | R 51.1 | 1.0 | 1.1 | 9.2 | R 437.8 | R 23.2 | (s) | R 1,103.4 |
| 2007 | 0.0 | 332.0 | R 48.7 | 5.6 | 0.8 | R 55.1 | 1.0 | R 1.3 | 12.3 | R 401.8 | R 19.3 | 4.2 | R 1,110.0 |
| 2008 | 0.0 | 333.1 | R 43.1 | 9.8 | 4.3 | R 57.2 | 1.0 | R 1.6 | 25.4 | R 418.3 | R 4.1 | 1.1 | R 1,106.5 |
| 2009 | 0.0 | 322.4 | 43.1 | 11.3 | 3.3 | 57.6 | 1.1 | 1.9 | 33.9 | 416.9 | -0.9 | 1.0 | 1,066.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 381 | 30 | 10,966 | 384 | 1,164 | 16,361 | 5,558 | 3,430 | 37,863 | 77 | – – | – – | – – | – – | 13,593 | – – | – – | – – |
| 1965 | 305 | 56 | 13,085 | 812 | 961 | 19,838 | 5,114 | 4,521 | 44,330 | 61 | – – | – – | – – | – – | 18,893 | – – | – – | – – |
| 1970 | 140 | 94 | 12,904 | 2,086 | 1,251 | 24,958 | 6,614 | 5,071 | 52,884 | 77 | – – | – – | – – | – – | 25,648 | – – | – – | – – |
| 1975 | 130 | 110 | 13,238 | 2,079 | 726 | 28,904 | 4,321 | 5,688 | 54,955 | 40 | – – | – – | – – | – – | 33,302 | – – | – – | – – |
| 1980 | 230 | 78 | 16,655 | 2,465 | 1,354 | 30,511 | 4,511 | 4,649 | 60,144 | 28 | – – | – – | – – | – – | 37,848 | – – | – – | – – |
| 1985 | 173 | 83 | 15,024 | 2,142 | 1,527 | 29,047 | 4,961 | 4,544 | 57,245 | 28 | – – | – – | – – | – – | 35,947 | – – | – – | – – |
| 1990 | 84 | 102 | 15,846 | 3,319 | 1,384 | 31,728 | 4,430 | 5,582 | 62,289 | 0 | – – | – – | – – | – – | 42,977 | – – | – – | – – |
| 1995 | 148 | 127 | 16,518 | 5,114 | 1,535 | 34,021 | 3,589 | 4,729 | 65,507 | 0 | – – | – – | – – | – – | 45,725 | – – | – – | – – |
| 2000 | 0 | 155 | 18,414 | 6,277 | 1,320 | 35,989 | 1,468 | 5,583 | 69,052 | 0 | – – | – – | – – | – – | 50,330 | – – | – – | – – |
| 2001 | 0 | 147 | 17,231 | 5,217 | 1,009 | 36,157 | 1,360 | 3,859 | 64,834 | 0 | – – | – – | – – | – – | 45,885 | – – | – – | – – |
| 2002 | 50 | 146 | 17,748 | 5,175 | 1,307 | 36,898 | 1,758 | 4,740 | 67,627 | 0 | – – | – – | – – | – – | 45,255 | – – | – – | – – |
| 2003 | 65 | 138 | 15,446 | 5,589 | 1,335 | 36,527 | 1,942 | 4,666 | 65,506 | 0 | – – | – – | – – | – – | 45,195 | – – | – – | – – |
| 2004 | 64 | 146 | 17,752 | 5,097 | 1,022 | 36,818 | 2,069 | 5,007 | 67,766 | 0 | – – | – – | – – | – – | 45,636 | – – | – – | – – |
| 2005 | 9 | 145 | 17,760 | 5,402 | 1,278 | 37,488 | 2,186 | 5,062 | 69,175 | 0 | – – | – – | – – | – – | 46,419 | – – | – – | – – |
| 2006 | 109 | 147 | 18,575 | 5,764 | 1,092 | 37,956 | 2,069 | 5,417 | 70,873 | 0 | – – | – – | – – | – – | 48,069 | – – | – – | – – |
| 2007 | 95 | 150 | 18,838 | 5,630 | 1,066 | 37,810 | 2,539 | 4,444 | 70,328 | 0 | – – | – – | – – | – – | 48,697 | – – | – – | – – |
| 2008 | 69 | 152 | 19,215 | 5,464 | 1,774 | 36,410 | 1,800 | 4,147 | 68,809 | 0 | – – | – – | – – | – – | 49,187 | – – | – – | – – |
| 2009 | 79 | 140 | 18,592 | 6,525 | 1,794 | 37,005 | 918 | 3,570 | 68,403 | 0 | – – | – – | – – | – – | 47,567 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 8.9 | 31.2 | 63.9 | 2.1 | 4.7 | 85.9 | 34.9 | 21.1 | 212.7 | 0.8 | 56.1 | NA | NA | NA | 46.4 | 356.1 | 114.7 | 470.8 |
| 1965 | 7.1 | 59.9 | 76.2 | 4.5 | 3.9 | 104.2 | 32.2 | 28.0 | 249.0 | 0.6 | 57.6 | NA | NA | NA | 64.5 | 438.6 | 153.9 | 592.5 |
| 1970 | 3.0 | 98.5 | 75.2 | 11.8 | 4.7 | 131.1 | 41.6 | 31.3 | 295.6 | 0.8 | 57.0 | NA | NA | NA | 87.5 | 542.5 | 211.7 | 754.2 |
| 1975 | 2.7 | 114.2 | 77.1 | 11.7 | 2.7 | 151.8 | 27.2 | 35.9 | 306.4 | 0.4 | 57.7 | NA | NA | NA | 113.6 | 595.1 | 272.6 | 867.6 |
| 1980 | 4.2 | 82.0 | 97.0 | 13.9 | 5.0 | 160.3 | 28.4 | 29.1 | 333.7 | 0.3 | 85.5 | NA | NA | NA | 129.1 | 634.8 | 310.2 | 945.0 |
| 1985 | 3.1 | 85.5 | 87.5 | 12.1 | 5.5 | 152.6 | 31.2 | 28.9 | 317.8 | 0.3 | 103.6 | 0.0 | NA | NA | 122.7 | 632.9 | 280.9 | 913.8 |
| 1990 | 1.5 | 104.1 | 92.3 | 18.8 | 5.0 | 166.7 | 27.9 | 35.3 | 345.9 | 0.0 | 50.6 | 0.0 | 0.4 | 0.3 | 146.6 | 649.4 | 336.5 | 985.8 |
| 1995 | 2.8 | 132.4 | 96.2 | 29.0 | 5.6 | 177.4 | 22.6 | 29.8 | 360.5 | 0.0 | 38.8 | 0.0 | 0.4 | 0.5 | 156.0 | 691.5 | 352.2 | 1,043.6 |
| 2000 | 0.0 | 160.3 | 107.3 | 35.6 | 4.8 | 187.5 | 9.2 | 35.3 | 379.7 | 0.0 | 39.8 | 0.0 | 0.8 | 0.7 | 171.7 | 752.9 | 388.4 | 1,141.3 |
| 2001 | 0.0 | 151.4 | 100.4 | 29.6 | 3.6 | 188.4 | 8.6 | 24.0 | 354.5 | 0.0 | 46.1 | 0.0 | 0.9 | 0.7 | 156.6 | 710.1 | 346.9 | 1,057.0 |
| 2002 | 1.1 | 150.0 | 103.4 | 29.3 | 4.7 | 192.2 | 11.1 | 30.0 | 370.7 | 0.0 | 40.9 | 0.0 | 0.9 | 0.7 | 154.4 | 718.7 | 342.2 | 1,060.9 |
| 2003 | 1.5 | 139.1 | 90.0 | 31.7 | 4.8 | 190.2 | 12.2 | 29.7 | 358.6 | 0.0 | 35.9 | 0.0 | 0.9 | 0.7 | 154.2 | 690.9 | 338.3 | 1,029.2 |
| 2004 | 1.4 | 147.5 | 103.4 | 28.9 | 3.7 | 192.0 | 13.0 | 31.9 | 373.0 | 0.0 | 44.2 | 0.0 | 0.9 | 0.8 | 155.7 | 723.4 | 342.5 | 1,065.9 |
| 2005 | 0.2 | 149.8 | 103.4 | 30.6 | 4.6 | 195.6 | 13.7 | 32.3 | 380.4 | 0.0 | 38.4 | 0.0 | 1.0 | 0.9 | 158.4 | 729.0 | 344.4 | 1,073.4 |
| 2006 | 2.7 | 152.7 | 108.2 | 32.7 | 3.9 | 198.1 | 13.0 | 34.2 | 390.1 | 0.0 | 39.3 | 0.0 | 1.0 | 1.1 | 164.0 | 750.8 | 352.6 | 1,103.4 |
| 2007 | 2.3 | 153.4 | 109.7 | 31.9 | 3.8 | 197.3 | 16.0 | 27.8 | 386.6 | 0.0 | 42.0 | 0.8 | 1.0 | 1.3 | 166.2 | 753.6 | 356.4 | 1,110.0 |
| 2008 | 1.7 | 155.6 | 111.9 | 31.0 | 6.4 | 190.0 | 11.3 | 26.0 | 376.6 | 0.0 | 38.6 | 4.3 | 1.0 | 1.6 | 167.8 | 747.3 | 359.2 | 1,106.5 |
| 2009 | 1.9 | 143.7 | 108.3 | 37.0 | 6.4 | 193.1 | 5.8 | 22.4 | 373.0 | 0.0 | 37.9 | 3.3 | 1.1 | 1.9 | 162.3 | 725.0 | 341.5 | 1,066.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 94 | 7 | 2,865 | 1 | 400 | 3,265 | 922 | – – | – – | 5,263 | – – | – – | – – |
| 1965 | 73 | 11 | 3,382 | 5 | 619 | 4,006 | 661 | – – | – – | 7,169 | – – | – – | – – |
| 1970 | 18 | 20 | 3,101 | 65 | 684 | 3,850 | 460 | – – | – – | 9,850 | – – | – – | – – |
| 1975 | 4 | 29 | 2,390 | 48 | 286 | 2,723 | 489 | – – | – – | 12,096 | – – | – – | – – |
| 1980 | 4 | 18 | 2,019 | 37 | 452 | 2,508 | 310 | – – | – – | 13,545 | – – | – – | – – |
| 1985 | 1 | 21 | 2,308 | 41 | 407 | 2,756 | 530 | – – | – – | 14,526 | – – | – – | – – |
| 1990 | (s) | 23 | 1,592 | 13 | 299 | 1,904 | 391 | – – | – – | 15,380 | – – | – – | – – |
| 1995 | (s) | 28 | 1,276 | 26 | 385 | 1,687 | 495 | – – | – – | 16,315 | – – | – – | – – |
| 1996 | 0 | 33 | 1,206 | 40 | 365 | 1,611 | 514 | – – | – – | 17,285 | – – | – – | – – |
| 1997 | (s) | 33 | 1,072 | 34 | 310 | 1,416 | 438 | – – | – – | 17,185 | – – | – – | – – |
| 1998 | 0 | 34 | 956 | 66 | 381 | 1,403 | 389 | – – | – – | 17,529 | – – | – – | – – |
| 1999 | (s) | 39 | 1,089 | 81 | 429 | 1,599 | 410 | – – | – – | 18,058 | – – | – – | – – |
| 2000 | 0 | 39 | 983 | 186 | 492 | 1,660 | 441 | – – | – – | 18,212 | – – | – – | – – |
| 2001 | 0 | 38 | 1,053 | 173 | 547 | 1,773 | 703 | – – | – – | 17,503 | – – | – – | – – |
| 2002 | 0 | 39 | 971 | 110 | 647 | 1,728 | 714 | – – | – – | 17,554 | – – | – – | – – |
| 2003 | 0 | 37 | 874 | 76 | 693 | 1,642 | 751 | – – | – – | 17,736 | – – | – – | – – |
| 2004 | 0 | 39 | 760 | 93 | 313 | 1,167 | 770 | – – | – – | 18,001 | – – | – – | – – |
| 2005 | 0 | 40 | 623 | 76 | 684 | 1,383 | R 495 | – – | – – | 18,339 | – – | – – | – – |
| 2006 | 0 | 41 | 649 | 51 | 525 | 1,226 | R 451 | – – | – – | 18,978 | – – | – – | – – |
| 2007 | 0 | 43 | 558 | 8 | 505 | 1,071 | R 497 | – – | – – | 19,374 | – – | – – | – – |
| 2008 | 0 | 45 | R 575 | 12 | 644 | R 1,231 | R 520 | – – | – – | 19,910 | – – | – – | – – |
| 2009 | 0 | 45 | 559 | 60 | 775 | 1,394 | 497 | – – | – – | 19,804 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 2.3 | 7.0 | 16.7 | (s) | 1.6 | 18.3 | 18.4 | NA | NA | 18.0 | 64.0 | 44.4 | 108.4 |
| 1965 | 1.8 | 11.6 | 19.7 | (s) | 2.5 | 22.2 | 13.2 | NA | NA | 24.5 | 73.3 | 58.4 | 131.7 |
| 1970 | 0.4 | 20.6 | 18.1 | 0.4 | 2.6 | 21.0 | 9.2 | NA | NA | 33.6 | 84.9 | 81.3 | 166.2 |
| 1975 | 0.1 | 29.9 | 13.9 | 0.3 | 1.1 | 15.3 | 9.8 | NA | NA | 41.3 | 96.3 | R 99.0 | R 195.3 |
| 1980 | 0.1 | 19.2 | 11.8 | 0.2 | 1.7 | 13.6 | 6.2 | NA | NA | 46.2 | 85.4 | R 111.0 | R 196.4 |
| 1985 | (s) | 22.1 | 13.4 | 0.2 | 1.5 | 15.1 | 10.6 | NA | NA | 49.6 | 97.4 | R 113.5 | R 211.0 |
| 1990 | (s) | 23.9 | 9.3 | 0.1 | 1.1 | 10.4 | 7.8 | 0.1 | 0.3 | 52.5 | 95.0 | R 120.4 | R 215.4 |
| 1995 | (s) | 29.3 | 7.4 | 0.1 | 1.4 | 9.0 | 9.9 | 0.1 | 0.5 | 55.7 | 104.5 | R 125.7 | R 230.1 |
| 1996 | 0.0 | 34.7 | 7.0 | 0.2 | 1.3 | 8.6 | 10.3 | 0.1 | 0.6 | 59.0 | 113.2 | R 133.3 | R 246.5 |
| 1997 | (s) | 34.2 | 6.2 | 0.2 | 1.1 | 7.6 | 8.8 | 0.1 | 0.6 | 58.6 | 109.8 | R 132.0 | R 241.8 |
| 1998 | 0.0 | 36.1 | 5.6 | 0.4 | 1.4 | 7.3 | 7.8 | 0.1 | 0.6 | 59.8 | 111.8 | R 134.8 | R 246.6 |
| 1999 | (s) | 40.9 | 6.3 | 0.5 | 1.5 | 8.4 | 8.2 | 0.2 | 0.7 | 61.6 | R 119.9 | R 140.1 | R 260.0 |
| 2000 | 0.0 | 39.9 | 5.7 | 1.1 | 1.8 | 8.6 | 8.8 | 0.3 | 0.7 | 62.1 | 120.3 | R 140.5 | R 260.9 |
| 2001 | 0.0 | 39.4 | 6.1 | 1.0 | 2.0 | 9.1 | 14.1 | 0.3 | 0.7 | 59.7 | 123.2 | R 132.3 | R 255.5 |
| 2002 | 0.0 | 39.8 | 5.7 | 0.6 | 2.3 | 8.6 | 14.3 | 0.3 | 0.7 | 59.9 | 123.6 | R 132.7 | R 256.3 |
| 2003 | 0.0 | 37.6 | 5.1 | 0.4 | 2.5 | 8.0 | 15.0 | 0.3 | R 0.7 | 60.5 | 122.2 | R 132.8 | R 254.9 |
| 2004 | 0.0 | 38.9 | 4.4 | 0.5 | 1.1 | 6.1 | 15.4 | 0.3 | 0.8 | 61.4 | 122.8 | R 135.1 | R 257.9 |
| 2005 | 0.0 | 41.2 | 3.6 | 0.4 | 2.5 | 6.5 | R 9.9 | 0.3 | 0.9 | 62.6 | R 121.4 | R 136.1 | R 257.4 |
| 2006 | 0.0 | 42.5 | 3.8 | 0.3 | 1.9 | 6.0 | R 9.0 | 0.3 | 1.1 | 64.8 | R 123.6 | R 139.2 | R 262.8 |
| 2007 | 0.0 | 43.7 | 3.2 | (s) | 1.8 | 5.1 | R 9.9 | 0.3 | R 1.3 | 66.1 | R 126.5 | R 141.8 | R 268.3 |
| 2008 | 0.0 | 46.2 | R 3.4 | 0.1 | 2.3 | 5.7 | R 10.4 | 0.3 | R 1.6 | 67.9 | R 132.2 | R 145.4 | R 277.6 |
| 2009 | 0.0 | 46.0 | 3.3 | 0.3 | 2.8 | 6.4 | 9.9 | 0.3 | 1.9 | 67.6 | 132.1 | 142.2 | 274.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 66 | 3 | 1,485 | (s) | 197 | 139 | 991 | 2,811 | NA | – – | – – | 3,083 | – – | – – | – – |
| 1965 | 55 | 6 | 1,752 | 4 | 305 | 206 | 1,046 | 3,313 | NA | – – | – – | 4,557 | – – | – – | – – |
| 1970 | 14 | 11 | 1,607 | 46 | 337 | 249 | 1,326 | 3,565 | NA | – – | – – | 6,674 | – – | – – | – – |
| 1975 | 10 | 16 | 1,238 | 34 | 141 | 218 | 962 | 2,593 | NA | – – | – – | 8,804 | – – | – – | – – |
| 1980 | 13 | 15 | 1,792 | 37 | 223 | 291 | 876 | 3,219 | NA | – – | – – | 10,456 | – – | – – | – – |
| 1985 | 2 | 19 | 1,345 | 26 | 201 | 231 | 191 | 1,993 | NA | – – | – – | 10,340 | – – | – – | – – |
| 1990 | 2 | 20 | 1,192 | 8 | 147 | 272 | 283 | 1,903 | 0 | – – | – – | 12,091 | – – | – – | – – |
| 1995 | 1 | 22 | 1,061 | 14 | 190 | 33 | 87 | 1,384 | 0 | – – | – – | 13,558 | – – | – – | – – |
| 1996 | 0 | 26 | 911 | 38 | 180 | 33 | 83 | 1,243 | 0 | – – | – – | 14,085 | – – | – – | – – |
| 1997 | 1 | 25 | 951 | 22 | 152 | 30 | 48 | 1,204 | 0 | – – | – – | 14,477 | – – | – – | – – |
| 1998 | 0 | 26 | 994 | 63 | 188 | 30 | 72 | 1,346 | 0 | – – | – – | 14,724 | – – | – – | – – |
| 1999 | (s) | 29 | 834 | 31 | 211 | 30 | 48 | 1,153 | 0 | – – | – – | 15,347 | – – | – – | – – |
| 2000 | 0 | 29 | 994 | 28 | 242 | 29 | 61 | 1,355 | 0 | – – | – – | 15,730 | – – | – – | – – |
| 2001 | 0 | 28 | 1,204 | 73 | 269 | 31 | 50 | 1,627 | 0 | – – | – – | 15,263 | – – | – – | – – |
| 2002 | 0 | 28 | 1,027 | 46 | 319 | 31 | 64 | 1,487 | 0 | – – | – – | 15,370 | – – | – – | – – |
| 2003 | 0 | 26 | 514 | 23 | 398 | 31 | 53 | 1,018 | 0 | – – | – – | 15,483 | – – | – – | – – |
| 2004 | 0 | 26 | 592 | 45 | 150 | 31 | 55 | 873 | 0 | – – | – – | 15,667 | – – | – – | – – |
| 2005 | 0 | 28 | 516 | 61 | 260 | 32 | 49 | 917 | 0 | – – | – – | 15,380 | – – | – – | – – |
| 2006 | 0 | 28 | 477 | 42 | 250 | 64 | 40 | 872 | 0 | – – | – – | 16,083 | – – | – – | – – |
| 2007 | 0 | 29 | 471 | 13 | 244 | 32 | 32 | 793 | 0 | – – | – – | 16,187 | – – | – – | – – |
| 2008 | 0 | 30 | R 586 | 11 | 375 | 32 | 42 | R 1,047 | 0 | – – | – – | 16,313 | – – | – – | – – |
| 2009 | 0 | 30 | 739 | 18 | 360 | 32 | 45 | 1,194 | 0 | – – | – – | 15,978 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 1.6 | 3.2 | 8.6 | (s) | 0.8 | 0.7 | 6.2 | 16.4 | NA | 0.3 | NA | 10.5 | 32.1 | 26.0 | 58.1 |
| 1965 | 1.4 | 6.0 | 10.2 | (s) | 1.2 | 1.1 | 6.6 | 19.1 | NA | 0.3 | NA | 15.5 | 42.2 | 37.1 | 79.4 |
| 1970 | 0.3 | 11.9 | 9.4 | 0.3 | 1.3 | 1.3 | 8.3 | 20.5 | NA | 0.2 | NA | 22.8 | 55.7 | 55.1 | 110.8 |
| 1975 | 0.2 | 16.5 | 7.2 | 0.2 | 0.5 | 1.1 | 6.0 | 15.1 | NA | 0.2 | NA | 30.0 | 62.1 | R 72.1 | R 134.1 |
| 1980 | 0.3 | 15.9 | 10.4 | 0.2 | 0.8 | 1.5 | 5.5 | 18.5 | NA | 0.2 | NA | 35.7 | 70.5 | R 85.7 | R 156.2 |
| 1985 | 0.1 | 19.6 | 7.8 | 0.1 | 0.7 | 1.2 | 1.2 | 11.1 | NA | 0.3 | NA | 35.3 | 66.3 | R 80.8 | R 147.1 |
| 1990 | (s) | 20.9 | 6.9 | (s) | 0.5 | 1.4 | 1.8 | 10.7 | 0.0 | 2.0 | 0.2 | 41.3 | 75.2 | R 94.7 | R 169.8 |
| 1995 | (s) | 23.4 | 6.2 | 0.1 | 0.7 | 0.2 | 0.5 | 7.7 | 0.0 | 1.4 | 0.2 | 46.3 | 78.9 | R 104.4 | R 183.4 |
| 1996 | 0.0 | 26.7 | 5.3 | 0.2 | 0.6 | 0.2 | 0.5 | 6.9 | 0.0 | 1.4 | 0.3 | 48.1 | 83.3 | R 108.6 | R 191.9 |
| 1997 | (s) | 26.8 | 5.5 | 0.1 | 0.6 | 0.2 | 0.3 | 6.7 | 0.0 | 1.5 | 0.2 | 49.4 | 84.6 | R 111.2 | R 195.8 |
| 1998 | 0.0 | 27.3 | 5.8 | 0.4 | 0.7 | 0.2 | 0.4 | 7.4 | 0.0 | 1.3 | 0.3 | 50.2 | 86.5 | R 113.2 | R 199.8 |
| 1999 | (s) | 30.2 | 4.9 | 0.2 | 0.8 | 0.2 | 0.3 | 6.2 | 0.0 | 1.3 | 0.3 | 52.4 | 90.5 | R 119.0 | R 209.6 |
| 2000 | 0.0 | 29.5 | 5.8 | 0.2 | 0.9 | 0.2 | 0.4 | 7.4 | 0.0 | 1.4 | 0.4 | 53.7 | 92.3 | R 121.4 | R 213.7 |
| 2001 | 0.0 | 28.7 | 7.0 | 0.4 | 1.0 | 0.2 | 0.3 | 8.9 | 0.0 | 2.5 | 0.4 | 52.1 | 92.5 | R 115.4 | R 207.9 |
| 2002 | 0.0 | 28.4 | 6.0 | 0.3 | 1.2 | 0.2 | 0.4 | 8.0 | 0.0 | 2.5 | 0.4 | 52.4 | 91.8 | R 116.2 | R 208.0 |
| 2003 | 0.0 | 26.3 | 3.0 | 0.1 | 1.4 | 0.2 | 0.3 | 5.1 | 0.0 | 2.6 | 0.5 | 52.8 | 87.3 | R 115.9 | R 203.2 |
| 2004 | 0.0 | 26.4 | 3.5 | 0.3 | 0.5 | 0.2 | 0.3 | 4.8 | 0.0 | 2.6 | 0.5 | 53.5 | 87.7 | R 117.6 | R 205.3 |
| 2005 | 0.0 | 28.6 | 3.0 | 0.3 | 0.9 | 0.2 | 0.3 | 4.8 | 0.0 | R 1.6 | 0.6 | 52.5 | R 88.0 | R 114.1 | R 202.1 |
| 2006 | 0.0 | 28.8 | 2.8 | 0.2 | 0.9 | 0.3 | 0.2 | 4.5 | 0.0 | R 1.5 | 0.5 | 54.9 | R 90.2 | R 118.0 | R 208.2 |
| 2007 | 0.0 | 29.6 | 2.7 | 0.1 | 0.9 | 0.2 | 0.2 | 4.1 | 0.0 | R 1.7 | 0.5 | 55.2 | R 91.1 | R 118.5 | R 209.6 |
| 2008 | 0.0 | 31.2 | 3.4 | 0.1 | 1.3 | 0.2 | 0.3 | R 5.3 | 0.0 | R 1.9 | 0.5 | 55.7 | R 94.6 | R 119.1 | R 213.7 |
| 2009 | 0.0 | 30.5 | 4.3 | 0.1 | 1.3 | 0.2 | 0.3 | 6.1 | 0.0 | 1.9 | 0.6 | 54.5 | 93.6 | 114.7 | 208.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 217 | 20 | 3,723 | 558 | 1,080 | 3,411 | 2,473 | 11,244 | 77 | – – | – – | – – | 5,247 | – – | – – | – – |
| 1965 | 175 | 39 | 4,287 | 33 | 808 | 3,398 | 3,831 | 12,358 | 61 | – – | – – | – – | 7,167 | – – | – – | – – |
| 1970 | 109 | 58 | 3,413 | 212 | 722 | 4,217 | 4,168 | 12,733 | 77 | – – | – – | – – | 9,123 | – – | – – | – – |
| 1975 | 116 | 57 | 2,827 | 287 | 560 | 2,922 | 4,945 | 11,541 | 40 | – – | – – | – – | 12,402 | – – | – – | – – |
| 1980 | 213 | 39 | 3,992 | 614 | 417 | 2,528 | 3,785 | 11,337 | 28 | – – | – – | – – | 13,847 | – – | – – | – – |
| 1985 | 170 | 38 | 2,475 | 728 | 482 | 1,679 | 3,854 | 9,219 | 28 | – – | – – | – – | 11,081 | – – | – – | – – |
| 1990 | 82 | 49 | 2,537 | 755 | 425 | 447 | 4,897 | 9,060 | 0 | – – | – – | – – | 15,498 | – – | – – | – – |
| 1995 | 147 | 69 | 3,556 | 850 | 513 | 325 | 4,029 | 9,273 | 0 | – – | – – | – – | 15,839 | – – | – – | – – |
| 1996 | 90 | 88 | 2,553 | 983 | 565 | 134 | 3,784 | 8,020 | 0 | – – | – – | – – | 17,029 | – – | – – | – – |
| 1997 | 95 | 90 | 2,813 | 370 | 584 | 166 | 3,801 | 7,735 | 0 | – – | – – | – – | 16,880 | – – | – – | – – |
| 1998 | 37 | 103 | 2,633 | 203 | 692 | 139 | 6,059 | 9,726 | 0 | – – | – – | – – | 14,640 | – – | – – | – – |
| 1999 | 0 | 108 | 2,719 | 516 | 396 | 144 | 6,527 | 10,302 | 0 | – – | – – | – – | 14,106 | – – | – – | – – |
| 2000 | 0 | 76 | 3,602 | 523 | 403 | 138 | 4,678 | 9,345 | 0 | – – | – – | – – | 16,353 | – – | – – | – – |
| 2001 | 0 | 70 | 3,020 | 172 | 807 | 134 | 2,881 | 7,013 | 0 | – – | – – | – – | 13,084 | – – | – – | – – |
| 2002 | 50 | 71 | 2,949 | 318 | 861 | 474 | 3,929 | 8,530 | 0 | – – | – – | – – | 12,296 | – – | – – | – – |
| 2003 | 65 | 68 | 1,944 | 159 | 879 | 366 | 3,970 | 7,318 | 0 | – – | – – | – – | 11,961 | – – | – – | – – |
| 2004 | 64 | 72 | 2,217 | 477 | 1,041 | 302 | 4,274 | 8,311 | 0 | – – | – – | – – | 11,954 | – – | – – | – – |
| 2005 | 9 | 70 | 1,844 | 163 | 968 | 266 | 4,314 | 7,556 | 0 | – – | – – | – – | 12,684 | – – | – – | – – |
| 2006 | 109 | 70 | 1,859 | 173 | 1,018 | 468 | R 4,666 | R 8,184 | 0 | – – | – – | – – | 12,991 | – – | – – | – – |
| 2007 | 95 | 69 | 1,675 | 213 | 868 | 328 | R 3,753 | R 6,837 | 0 | – – | – – | – – | 13,117 | – – | – – | – – |
| 2008 | 69 | 69 | R 2,124 | R 540 | 706 | 227 | R 3,504 | R 7,101 | 0 | – – | – – | – – | 12,945 | – – | – – | – – |
| 2009 | 79 | 57 | 2,140 | 499 | 688 | 82 | 2,965 | 6,374 | 0 | – – | – – | – – | 11,761 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 4.9 | 20.9 | 21.7 | 2.2 | 5.7 | 21.4 | 16.0 | 67.0 | 0.8 | 37.3 | NA | NA | 17.9 | 148.9 | 44.3 | 193.2 |
| 1965 | 3.9 | 41.5 | 25.0 | 0.1 | 4.2 | 21.4 | 24.1 | 74.8 | 0.6 | 44.1 | NA | NA | 24.5 | 189.5 | 58.4 | 247.9 |
| 1970 | 2.3 | 60.3 | 19.9 | 0.8 | 3.8 | 26.5 | 26.2 | 77.1 | 0.8 | 47.6 | NA | NA | 31.1 | 219.2 | 75.3 | 294.6 |
| 1975 | 2.4 | 59.6 | 16.5 | 1.1 | 2.9 | 18.4 | 31.6 | 70.4 | 0.4 | 47.8 | NA | NA | 42.3 | 222.9 | R 101.5 | R 324.4 |
| 1980 | 3.8 | 41.0 | 23.3 | 2.3 | 2.2 | 15.9 | 24.2 | 67.8 | 0.3 | 79.2 | NA | NA | 47.2 | 239.2 | R 113.5 | R 352.7 |
| 1985 | 3.0 | 39.0 | 14.4 | 2.6 | 2.5 | 10.6 | 24.9 | 55.0 | 0.3 | 92.7 | 0.0 | NA | 37.8 | 227.9 | R 86.6 | R 314.5 |
| 1990 | 1.4 | 50.1 | 14.8 | 2.7 | 2.2 | 2.8 | 31.2 | 53.8 | 0.0 | 40.8 | 0.0 | 0.1 | 52.9 | 199.0 | R 121.3 | R 320.4 |
| 1995 | 2.8 | 72.0 | 20.7 | 3.1 | 2.7 | 2.0 | 25.7 | 54.2 | 0.0 | 27.5 | 0.0 | 0.1 | 54.0 | 210.7 | R 122.0 | R 332.7 |
| 1996 | 1.9 | 91.6 | 14.9 | 3.6 | 2.9 | 0.8 | 24.4 | 46.6 | 0.0 | 33.7 | 0.0 | 0.1 | 58.1 | 232.0 | R 131.3 | R 363.3 |
| 1997 | 1.9 | 95.0 | 16.4 | 1.3 | 3.0 | 1.0 | 24.6 | 46.4 | 0.0 | 35.7 | 0.0 | 0.1 | 57.6 | 236.7 | R 129.6 | R 366.4 |
| 1998 | 0.8 | 107.9 | 15.3 | 0.7 | 3.6 | 0.9 | 38.9 | 59.5 | 0.0 | 30.1 | 0.0 | 0.1 | 50.0 | 248.3 | R 112.6 | R 360.9 |
| 1999 | 0.0 | 114.5 | 15.8 | 1.9 | 2.1 | 0.9 | 41.4 | 62.1 | 0.0 | 26.3 | 0.0 | 0.1 | 48.1 | 251.1 | R 109.4 | R 360.6 |
| 2000 | 0.0 | 78.7 | 21.0 | 1.9 | 2.1 | 0.9 | 30.1 | 55.9 | 0.0 | 29.6 | 0.0 | 0.1 | 55.8 | 220.1 | R 126.2 | R 346.3 |
| 2001 | 0.0 | 71.9 | 17.6 | 0.6 | 4.2 | 0.8 | 18.4 | 41.7 | 0.0 | 29.5 | 0.0 | 0.2 | 44.6 | 187.9 | R 98.9 | R 286.9 |
| 2002 | 1.1 | 72.3 | 17.2 | 1.1 | 4.5 | 3.0 | 25.3 | 51.1 | 0.0 | 24.1 | 0.0 | 0.2 | 42.0 | 190.8 | R 93.0 | R 283.8 |
| 2003 | 1.5 | 68.0 | 11.3 | 0.6 | 4.6 | 2.3 | 25.7 | 44.4 | 0.0 | 18.2 | 0.0 | 0.1 | 40.8 | 173.1 | R 89.5 | R 262.6 |
| 2004 | 1.4 | 72.3 | 12.9 | 1.7 | 5.4 | 1.9 | 27.7 | 49.6 | 0.0 | 26.2 | 0.0 | 0.2 | 40.8 | 190.5 | R 89.7 | R 280.2 |
| 2005 | 0.2 | 72.2 | 10.7 | 0.6 | 5.1 | 1.7 | 28.0 | 46.0 | 0.0 | 26.9 | 0.0 | 0.2 | 43.3 | 188.8 | R 94.1 | R 282.9 |
| 2006 | 2.7 | 72.6 | 10.8 | 0.6 | 5.3 | 2.9 | R 29.9 | R 49.6 | 0.0 | R 28.8 | 0.0 | 0.2 | 44.3 | R 198.2 | R 95.3 | R 293.5 |
| 2007 | 2.3 | 70.2 | 9.8 | 0.8 | 4.5 | 2.1 | R 23.9 | R 41.0 | 0.0 | R 30.4 | 0.8 | 0.2 | 44.8 | R 189.6 | R 96.0 | R 285.6 |
| 2008 | 1.7 | 70.5 | R 12.4 | R 1.9 | 3.7 | 1.4 | R 22.3 | R 41.7 | 0.0 | R 26.3 | 4.3 | 0.2 | 44.2 | R 188.9 | R 94.5 | R 283.4 |
| 2009 | 1.9 | 58.8 | 12.5 | 1.8 | 3.6 | 0.5 | 18.9 | 37.3 | 0.0 | 26.1 | 3.3 | 0.2 | 40.1 | 167.6 | 84.4 | 252.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 4 | (s) | 655 | 2,893 | 384 | 10 | 301 | 15,142 | 1,157 | 20,542 | 0 | – – | – – | – – |
| 1965 | 1 | 1 | 277 | 3,664 | 812 | 4 | 404 | 18,824 | 670 | 24,654 | 0 | – – | – – | – – |
| 1970 | (s) | 6 | 305 | 4,782 | 2,086 | 18 | 487 | 23,987 | 1,070 | 32,736 | 0 | – – | – – | – – |
| 1975 | (s) | 8 | 171 | 6,783 | 2,079 | 13 | 490 | 28,125 | 438 | 38,098 | 0 | – – | – – | – – |
| 1980 | 0 | 6 | 260 | 8,851 | 2,465 | 65 | 530 | 29,803 | 1,107 | 43,080 | 0 | – – | – – | – – |
| 1985 | 0 | 5 | 141 | 8,895 | 2,142 | 191 | 482 | 28,335 | 3,091 | 43,277 | 0 | – – | – – | – – |
| 1990 | 0 | 9 | 121 | 10,526 | 3,319 | 183 | 542 | 31,030 | 3,700 | 49,421 | 9 | – – | – – | – – |
| 1995 | 0 | 7 | 143 | 10,625 | 5,114 | 110 | 518 | 33,476 | 3,178 | 53,163 | 14 | – – | – – | – – |
| 1996 | 0 | 8 | 191 | 11,394 | 5,235 | 99 | 502 | 34,562 | 3,033 | 55,017 | 11 | – – | – – | – – |
| 1997 | 0 | 13 | 176 | 11,781 | 5,723 | 66 | 531 | 32,980 | 3,235 | 54,491 | 11 | – – | – – | – – |
| 1998 | 0 | 13 | 150 | 11,363 | 5,866 | 1 | 555 | 35,638 | 3,660 | 57,234 | 14 | – – | – – | – – |
| 1999 | 0 | 10 | 160 | 12,769 | 6,437 | 23 | 561 | 36,085 | 2,389 | 58,426 | 33 | – – | – – | – – |
| 2000 | 0 | 12 | 139 | 12,835 | 6,277 | 63 | 553 | 35,557 | 1,268 | 56,692 | 35 | – – | – – | – – |
| 2001 | 0 | 11 | 226 | 11,954 | 5,217 | 21 | 507 | 35,320 | 1,176 | 54,421 | 34 | – – | – – | – – |
| 2002 | 0 | 9 | 155 | 12,801 | 5,175 | 23 | 501 | 36,006 | 1,220 | 55,881 | 36 | – – | – – | – – |
| 2003 | 0 | 7 | 136 | 12,114 | 5,589 | 85 | 463 | 35,617 | 1,524 | 55,528 | R 15 | – – | – – | – – |
| 2004 | 0 | 10 | 127 | 14,183 | 5,097 | 82 | 469 | 35,747 | 1,712 | 57,416 | R 16 | – – | – – | – – |
| 2005 | 0 | 7 | 144 | 14,777 | 5,402 | 172 | 466 | 36,488 | 1,871 | 59,319 | R 17 | – – | – – | – – |
| 2006 | 0 | 8 | 204 | 15,590 | 5,764 | 144 | 454 | 36,873 | 1,562 | 60,592 | R 18 | – – | – – | – – |
| 2007 | 0 | 10 | 202 | 16,134 | 5,630 | 104 | 469 | 36,910 | 2,179 | 61,627 | R 18 | – – | – – | – – |
| 2008 | 0 | 8 | 185 | R 15,929 | 5,464 | R 215 | 436 | 35,671 | 1,531 | R 59,431 | R 19 | – – | – – | – – |
| 2009 | 0 | 8 | 134 | 15,153 | 6,525 | 160 | 392 | 36,285 | 792 | 59,441 | 24 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.1 | 0.1 | 3.3 | 16.9 | 2.1 | (s) | 1.8 | 79.5 | 7.3 | 111.0 | 0.0 | 111.1 | 0.0 | 111.1 |
| 1965 | (s) | 0.7 | 1.4 | 21.3 | 4.5 | (s) | 2.4 | 98.9 | 4.2 | 132.8 | 0.0 | 133.6 | 0.0 | 133.6 |
| 1970 | (s) | 5.8 | 1.5 | 27.9 | 11.8 | 0.1 | 3.0 | 126.0 | 6.7 | 176.9 | 0.0 | 182.7 | 0.0 | 182.7 |
| 1975 | (s) | 8.2 | 0.9 | 39.5 | 11.7 | (s) | 3.0 | 147.7 | 2.8 | 205.6 | 0.0 | 213.8 | 0.0 | 213.8 |
| 1980 | 0.0 | 5.9 | 1.3 | 51.6 | 13.9 | 0.2 | 3.2 | 156.6 | 7.0 | 233.8 | 0.0 | 239.6 | 0.0 | 239.6 |
| 1985 | 0.0 | 4.7 | 0.7 | 51.8 | 12.1 | 0.7 | 2.9 | 148.8 | 19.4 | 236.5 | 0.0 | 241.2 | 0.0 | 241.2 |
| 1990 | 0.0 | 9.2 | 0.6 | 61.3 | 18.8 | 0.7 | 3.3 | 163.0 | 23.3 | 270.9 | (s) | 280.1 | 0.1 | 280.2 |
| 1995 | 0.0 | 7.6 | 0.7 | 61.9 | 29.0 | 0.4 | 3.1 | 174.6 | 20.0 | 289.7 | (s) | 297.4 | 0.1 | 297.5 |
| 1996 | 0.0 | 8.3 | 1.0 | 66.4 | 29.7 | 0.4 | 3.0 | 180.3 | 19.1 | 299.8 | (s) | 308.1 | 0.1 | 308.2 |
| 1997 | 0.0 | 13.3 | 0.9 | 68.6 | 32.4 | 0.2 | 3.2 | 171.9 | 20.3 | 297.7 | (s) | 311.0 | 0.1 | 311.1 |
| 1998 | 0.0 | 14.1 | 0.8 | 66.2 | 33.3 | (s) | 3.4 | 185.7 | 23.0 | 312.3 | (s) | 326.4 | 0.1 | 326.6 |
| 1999 | 0.0 | 10.9 | 0.8 | 74.4 | 36.5 | 0.1 | 3.4 | 188.0 | 15.0 | 318.2 | 0.1 | 329.3 | 0.3 | 329.5 |
| 2000 | 0.0 | 12.2 | 0.7 | 74.8 | 35.6 | 0.2 | 3.4 | 185.3 | 8.0 | 307.9 | 0.1 | 320.2 | 0.3 | 320.5 |
| 2001 | 0.0 | 11.4 | 1.1 | 69.6 | 29.6 | 0.1 | 3.1 | 184.0 | 7.4 | 294.9 | 0.1 | 306.4 | 0.3 | 306.7 |
| 2002 | 0.0 | 9.4 | 0.8 | 74.6 | 29.3 | 0.1 | 3.0 | 187.5 | 7.7 | 303.0 | 0.1 | 312.5 | 0.3 | 312.8 |
| 2003 | 0.0 | 7.2 | 0.7 | 70.6 | 31.7 | 0.3 | 2.8 | 185.5 | 9.6 | 301.1 | R 0.1 | R 308.4 | R 0.1 | R 308.5 |
| 2004 | 0.0 | 9.9 | 0.6 | 82.6 | 28.9 | 0.3 | 2.8 | 186.4 | 10.8 | 312.5 | R 0.1 | R 322.4 | R 0.1 | R 322.5 |
| 2005 | 0.0 | 7.7 | 0.7 | 86.1 | 30.6 | 0.6 | 2.8 | 190.4 | 11.8 | 323.0 | R 0.1 | R 330.8 | R 0.1 | R 331.0 |
| 2006 | 0.0 | 8.7 | 1.0 | 90.8 | 32.7 | 0.5 | 2.8 | 192.4 | 9.8 | 330.0 | R 0.1 | R 338.8 | R 0.1 | R 338.9 |
| 2007 | 0.0 | 9.9 | 1.0 | 94.0 | 31.9 | 0.4 | 2.8 | 192.6 | 13.7 | 336.5 | R 0.1 | R 346.4 | R 0.1 | R 346.6 |
| 2008 | 0.0 | 7.7 | 0.9 | R 92.8 | 31.0 | 0.8 | 2.6 | 186.1 | 9.6 | R 323.9 | R 0.1 | R 331.7 | R 0.1 | R 331.8 |
| 2009 | 0.0 | 8.4 | 0.7 | 88.3 | 37.0 | 0.6 | 2.4 | 189.3 | 5.0 | 323.2 | 0.1 | 331.7 | 0.2 | 331.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Oregon

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 1 | 3 | (s) | 0 | 3 | 0 | 12,389 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 0 | (s) | 1 | (s) | 0 | 1 | 0 | 16,447 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 0 | 1 | 18 | (s) | 0 | 19 | 0 | 29,836 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 0 | (s) | 0 | 29 | 0 | 29 | 2 | 34,522 | – – | 0 | NA | NA | (s) | – – |
| 1980 | 485 | (s) | 0 | 110 | 0 | 110 | 5,395 | 30,194 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 418 | 0 | 0 | 3 | 0 | 3 | 6,911 | 40,752 | – – | 0 | 0 | 0 | 5,096 | – – |
| 1990 | 850 | 7 | 0 | 56 | 0 | 56 | 6,074 | 41,240 | – – | 0 | 0 | 1 | 852 | – – |
| 1995 | 977 | 20 | 0 | 12 | 0 | 12 | 0 | 40,764 | – – | 0 | 0 | 0 | 828 | – – |
| 1996 | 1,044 | 26 | 0 | 10 | 0 | 10 | 0 | 44,906 | – – | 0 | 0 | 0 | 2,774 | – – |
| 1997 | 822 | 24 | 0 | 23 | 0 | 23 | 0 | 46,704 | – – | 0 | 0 | 0 | 773 | – – |
| 1998 | 2,037 | 53 | 0 | 59 | 0 | 59 | 0 | 39,902 | – – | 0 | 0 | 20 | 591 | – – |
| 1999 | 2,154 | 50 | 0 | 15 | 0 | 15 | 0 | 45,639 | – – | 0 | 0 | 85 | 310 | – – |
| 2000 | 2,241 | 69 | 0 | 105 | 0 | 105 | 0 | 38,116 | – – | 0 | 0 | 67 | 153 | – – |
| 2001 | 2,490 | 83 | 0 | 182 | 0 | 182 | 0 | 28,645 | – – | 0 | 0 | 89 | 140 | – – |
| 2002 | 2,155 | 56 | 0 | 14 | 0 | 14 | 0 | 34,413 | – – | 0 | 0 | 376 | 1,468 | – – |
| 2003 | 2,533 | 74 | 0 | 100 | 0 | 100 | 0 | 33,250 | – – | 0 | 0 | 444 | 278 | – – |
| 2004 | 2,077 | 89 | 0 | 40 | 0 | 40 | 0 | 33,081 | – – | 0 | 0 | 619 | 2,445 | – – |
| 2005 | 2,103 | 88 | 0 | 93 | 0 | 93 | 0 | 30,948 | – – | 0 | 0 | 734 | 76 | – – |
| 2006 | 1,449 | 75 | 0 | 11 | 0 | 11 | 0 | 37,850 | – – | 0 | 0 | 931 | -14 | – – |
| 2007 | 2,577 | 102 | 0 | 9 | 0 | 9 | 0 | 33,587 | – – | 0 | 0 | 1,247 | 1,234 | – – |
| 2008 | 2,382 | 117 | 0 | 21 | 0 | 21 | 0 | 33,805 | – – | 0 | 0 | 2,575 | 324 | – – |
| 2009 | 1,854 | 109 | 0 | 6 | 0 | 6 | 0 | 33,034 | – – | 0 | 0 | 3,470 | 289 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 0.7 | (s) | (s) | 0.0 | (s) | 0.0 | 133.3 | 0.3 | 0.0 | NA | NA | 0.0 | 134.3 |
| 1965 | 0.0 | 0.1 | (s) | (s) | 0.0 | (s) | 0.0 | 171.9 | 0.3 | 0.0 | NA | NA | 0.0 | 172.3 |
| 1970 | 0.0 | 1.1 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 313.1 | 0.5 | 0.0 | NA | NA | 0.0 | 314.7 |
| 1975 | 0.0 | (s) | 0.0 | 0.2 | 0.0 | 0.2 | (s) | 359.2 | (s) | 0.0 | NA | NA | (s) | 359.4 |
| 1980 | 7.9 | 0.3 | 0.0 | 0.6 | 0.0 | 0.6 | 58.8 | 313.7 | 1.7 | 0.0 | NA | NA | 0.0 | 383.1 |
| 1985 | 6.9 | 0.0 | 0.0 | (s) | 0.0 | (s) | 73.4 | 425.7 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 523.5 |
| 1990 | 14.2 | 7.6 | 0.0 | 0.3 | 0.0 | 0.3 | 64.3 | 429.0 | 7.2 | 0.0 | 0.0 | (s) | 2.9 | 525.4 |
| 1995 | 17.4 | 19.7 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 420.4 | 7.1 | 0.0 | 0.0 | 0.0 | 2.8 | 467.5 |
| 1996 | 18.3 | 26.9 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 464.3 | 6.7 | 0.0 | 0.0 | 0.0 | 9.5 | 525.8 |
| 1997 | 14.4 | 24.6 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 477.0 | 6.6 | 0.0 | 0.0 | 0.0 | 2.6 | 525.3 |
| 1998 | 35.4 | 53.9 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 406.9 | 7.0 | 0.0 | 0.0 | 0.2 | 2.0 | 505.7 |
| 1999 | 38.6 | 50.5 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 466.7 | 5.3 | 0.0 | 0.0 | 0.9 | 1.1 | 563.1 |
| 2000 | 38.7 | 70.7 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 388.8 | 6.2 | 0.0 | 0.0 | 0.7 | 0.5 | 506.2 |
| 2001 | 43.4 | 84.3 | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 296.0 | 5.5 | 0.0 | 0.0 | 0.9 | 0.5 | 431.5 |
| 2002 | 36.6 | 56.8 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 350.1 | 4.3 | 0.0 | 0.0 | 3.8 | 5.0 | 456.7 |
| 2003 | 43.4 | 76.0 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 340.5 | 5.9 | 0.0 | 0.0 | 4.5 | 0.9 | 471.8 |
| 2004 | 35.1 | 90.5 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 331.5 | 1.3 | 0.0 | 0.0 | 6.2 | 8.3 | 473.2 |
| 2005 | 35.4 | 89.8 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 309.5 | 7.1 | 0.0 | 0.0 | 7.3 | 0.3 | 449.9 |
| 2006 | 24.2 | 77.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 375.4 | 7.4 | 0.0 | 0.0 | 9.2 | (s) | 493.4 |
| 2007 | 43.1 | 104.9 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 332.0 | 6.7 | 0.0 | 0.0 | 12.3 | 4.2 | 503.3 |
| 2008 | 39.7 | 119.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 333.1 | 4.5 | 0.0 | 0.0 | 25.4 | 1.1 | 522.9 |
| 2009 | 31.2 | 111.1 | 0.0 | (s) | 0.0 | (s) | 0.0 | 322.4 | 5.2 | 0.0 | 0.0 | 33.9 | 1.0 | 504.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Pennsylvania

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 60,646 | 522 | 46,257 | 1,036 | 2,334 | 80,104 | 42,958 | 24,318 | 197,008 | 230 | 1,826 | NA |
| 1965 | 68,911 | 629 | 54,459 | 3,406 | 3,030 | 85,723 | 43,238 | 29,834 | 219,689 | 313 | 1,329 | NA |
| 1970 | 68,574 | 772 | 63,489 | 9,083 | 4,754 | 101,718 | 60,436 | 29,819 | 269,299 | 465 | 1,366 | NA |
| 1971 | 65,816 | 802 | 63,171 | 8,552 | 4,895 | 107,336 | 60,724 | 30,162 | 274,841 | 445 | 779 | NA |
| 1972 | 67,167 | 829 | 69,280 | 8,669 | 5,577 | 116,142 | 60,152 | 32,092 | 291,912 | 288 | 1,533 | NA |
| 1973 | 72,471 | 783 | 72,139 | 9,225 | 5,808 | 114,856 | 59,253 | 31,569 | 292,850 | 361 | 1,372 | NA |
| 1974 | 67,601 | 716 | 72,016 | 8,954 | 5,687 | 108,823 | 56,643 | 31,274 | 283,398 | 6,998 | 1,393 | NA |
| 1975 | 67,043 | 654 | 68,017 | 8,548 | 6,077 | 108,765 | 41,631 | 28,823 | 261,861 | 15,869 | 1,576 | NA |
| 1976 | 67,651 | 714 | 75,108 | 8,436 | 6,399 | 117,709 | 50,302 | 32,043 | 289,996 | 16,425 | 1,416 | NA |
| 1977 | 63,539 | 668 | 78,031 | 8,498 | 6,857 | 120,263 | 59,962 | 32,689 | 306,300 | 17,821 | 1,205 | NA |
| 1978 | 63,179 | 674 | 75,378 | 8,958 | 7,345 | 121,978 | 58,363 | 34,646 | 306,668 | 22,329 | 760 | NA |
| 1979 | 70,374 | 741 | 76,720 | 9,890 | 8,511 | 116,157 | 46,461 | 34,954 | 292,692 | 18,796 | 1,222 | NA |
| 1980 | 65,911 | 776 | 68,602 | 10,148 | 7,255 | 107,925 | 35,099 | 32,116 | 261,145 | 12,091 | 734 | NA |
| 1981 | 60,535 | 785 | 59,885 | 9,019 | 7,635 | 104,151 | 29,878 | 27,954 | 238,523 | 14,276 | 660 | 0 |
| 1982 | 52,472 | 695 | 52,945 | 8,625 | 7,170 | 102,134 | 20,869 | 27,367 | 219,109 | 16,472 | 1,829 | 0 |
| 1983 | 53,846 | 644 | 52,872 | 9,152 | 7,210 | 102,680 | 24,104 | 28,343 | 224,361 | 14,718 | 1,170 | 0 |
| 1984 | 58,648 | 677 | 58,961 | 10,465 | 8,778 | 102,159 | 22,962 | 30,980 | 234,305 | 21,564 | 1,447 | 0 |
| 1985 | 56,702 | 626 | 57,887 | 10,126 | 7,577 | 101,979 | 17,799 | 29,357 | 224,724 | 26,232 | 972 | 0 |
| 1986 | 53,103 | 610 | 57,627 | 9,915 | 8,430 | 104,103 | 23,616 | 30,092 | 233,784 | 39,820 | 1,453 | 0 |
| 1987 | 55,413 | 636 | 62,774 | 10,530 | 8,398 | 106,628 | 23,878 | 31,874 | 244,081 | 34,982 | 1,132 | 0 |
| 1988 | 58,799 | 669 | 63,581 | 11,705 | 6,105 | 110,729 | 22,033 | 33,424 | 247,576 | 37,862 | 705 | 0 |
| 1989 | 60,497 | 689 | 64,822 | 9,661 | 6,967 | 108,915 | 23,239 | 34,124 | 247,727 | 39,166 | 1,440 | 0 |
| 1990 | 61,019 | 656 | 59,661 | 12,042 | 6,313 | 107,467 | 18,762 | 35,029 | 239,276 | 57,787 | 2,869 | 0 |
| 1991 | 59,106 | 645 | 57,530 | 11,355 | 7,585 | 107,081 | 16,715 | 32,313 | 232,578 | 57,476 | 1,920 | 0 |
| 1992 | 61,879 | 692 | 59,492 | 10,932 | 9,176 | 107,406 | 15,617 | 34,073 | 236,696 | 60,133 | 2,578 | 0 |
| 1993 | 62,594 | 706 | 62,738 | 11,787 | 5,759 | 109,970 | 18,944 | 32,203 | 241,402 | 59,331 | 2,376 | 217 |
| 1994 | 61,129 | 713 | 65,486 | 11,748 | 5,634 | 109,532 | 19,562 | 34,894 | 246,857 | 67,207 | 2,750 | 556 |
| 1995 | 62,969 | 736 | 61,656 | 12,313 | 5,509 | 112,282 | 13,715 | 36,569 | 242,044 | 66,462 | 2,030 | 1,730 |
| 1996 | 65,691 | 746 | 61,297 | 11,831 | 6,080 | 113,639 | 12,959 | 34,062 | 239,866 | 68,672 | 3,012 | 1,298 |
| 1997 | 66,667 | 706 | 59,438 | 14,819 | 5,283 | 114,779 | 11,495 | 37,105 | 242,920 | 67,655 | 2,249 | 1,437 |
| 1998 | 62,342 | 644 | 57,603 | 16,731 | 5,452 | 116,867 | 13,933 | 37,798 | 248,384 | 61,149 | 2,381 | 330 |
| 1999 | 59,822 | 689 | 62,519 | 15,943 | 5,677 | 117,420 | 11,872 | 34,806 | 248,237 | 71,127 | 1,947 | 283 |
| 2000 | 63,516 | 703 | 68,564 | 19,009 | 7,115 | 118,034 | 12,071 | 34,887 | 259,680 | 73,771 | 2,290 | 319 |
| 2001 | 60,161 | 635 | 69,446 | 18,877 | 6,573 | 120,458 | 9,721 | 39,343 | 264,418 | 73,731 | 1,650 | 410 |
| 2002 | 60,583 | 676 | 69,282 | 17,006 | 6,974 | 122,851 | 7,834 | 36,266 | 260,212 | 76,089 | 2,211 | 137 |
| 2003 | 61,992 | 690 | 66,350 | 17,473 | 11,231 | 122,575 | 11,456 | 38,206 | 267,291 | 74,361 | 3,346 | 163 |
| 2004 | 62,797 | 696 | 71,869 | 16,381 | 11,037 | 124,468 | 11,859 | 40,364 | 275,978 | 77,459 | 3,155 | 2,148 |
| 2005 | 65,044 | 692 | 71,764 | 16,826 | 12,209 | 123,808 | 14,200 | 40,434 | 279,240 | 76,289 | 2,232 | 1,367 |
| 2006 | 66,155 | 660 | 71,248 | 16,465 | 13,033 | 122,702 | 7,131 | R 36,696 | R 267,275 | 75,298 | 2,844 | 3,015 |
| 2007 | 65,693 | 752 | 70,216 | 15,503 | 13,307 | 123,970 | 6,623 | R 34,856 | R 264,475 | 77,376 | 2,236 | 4,047 |
| 2008 | 63,333 | 750 | R 64,657 | 14,435 | 15,729 | 120,652 | 5,672 | R 31,502 | R 252,646 | 78,658 | 2,549 | 8,642 |
| 2009 | 55,063 | 804 | 59,785 | 12,476 | 15,530 | 121,843 | 4,234 | 29,825 | 243,693 | 77,328 | 2,683 | 10,726 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 1,530.5 | 540.1 | 269.4 | 5.7 | 9.4 | 420.8 | 270.1 | 145.9 | 1,121.3 | 3,191.9 | *540.1* | *420.8* |
| 1965 | 1,751.3 | 652.9 | 317.2 | 19.2 | 12.2 | 450.3 | 271.8 | 178.3 | 1,249.0 | 3,653.2 | *652.9* | *450.3* |
| 1970 | 1,699.0 | 797.9 | 369.8 | 51.4 | 18.0 | 534.3 | 380.0 | 179.5 | 1,532.9 | 4,029.8 | *797.9* | *534.3* |
| 1971 | 1,619.6 | 828.6 | 368.0 | 48.4 | 18.5 | 563.8 | 381.8 | 181.3 | 1,561.8 | 4,010.0 | *828.6* | *563.8* |
| 1972 | 1,662.3 | 856.3 | 403.6 | 49.0 | 21.0 | 610.1 | 378.2 | 192.9 | 1,654.7 | 4,173.3 | *856.3* | *610.1* |
| 1973 | 1,798.6 | 811.5 | 420.2 | 52.2 | 21.8 | 603.3 | 372.5 | 190.1 | 1,660.2 | 4,270.3 | *811.5* | *603.3* |
| 1974 | 1,661.4 | 732.7 | 419.5 | 50.7 | 21.2 | 571.6 | 356.1 | 188.3 | 1,607.4 | 4,001.5 | *732.7* | *571.6* |
| 1975 | 1,646.7 | 670.1 | 396.2 | 48.4 | 22.6 | 571.3 | 261.7 | 173.3 | 1,473.5 | 3,790.3 | *670.1* | *571.3* |
| 1976 | 1,682.8 | 731.4 | 437.5 | 47.7 | 23.7 | 618.3 | 316.3 | 192.3 | 1,635.8 | 4,050.0 | *731.4* | *618.3* |
| 1977 | 1,578.0 | 682.4 | 454.5 | 48.1 | 25.2 | 631.7 | 377.0 | 196.5 | 1,733.1 | 3,993.4 | *682.4* | *631.7* |
| 1978 | 1,572.5 | 688.3 | 439.1 | 50.7 | 26.9 | 640.7 | 366.9 | 207.9 | 1,732.3 | 3,993.0 | *688.3* | *640.7* |
| 1979 | 1,756.3 | 756.1 | 446.9 | 56.0 | 31.3 | 610.2 | 292.1 | 208.8 | 1,645.3 | 4,157.6 | *756.1* | *610.2* |
| 1980 | 1,636.1 | 789.6 | 399.6 | 57.4 | 26.7 | 566.9 | 220.7 | 190.7 | 1,462.0 | 3,887.6 | *792.8* | *566.9* |
| 1981 | 1,495.9 | 791.2 | 348.8 | 51.0 | 27.8 | 547.1 | 187.8 | 167.7 | 1,330.3 | 3,617.4 | *802.0* | *547.1* |
| 1982 | 1,291.5 | 708.3 | 308.4 | 48.8 | 25.9 | 536.5 | 131.2 | 164.9 | 1,215.7 | 3,215.5 | *714.1* | *536.5* |
| 1983 | 1,337.5 | 658.7 | 308.0 | 51.8 | 26.1 | 539.4 | 151.5 | 170.6 | 1,247.3 | 3,243.5 | *662.6* | *539.4* |
| 1984 | 1,462.3 | 699.6 | 343.4 | 59.2 | 31.6 | 536.6 | 144.4 | 183.9 | 1,299.1 | 3,461.1 | *699.7* | *536.6* |
| 1985 | 1,409.1 | 646.7 | 337.2 | 57.3 | 27.3 | 535.7 | 111.9 | 176.3 | 1,245.6 | 3,301.4 | *646.9* | *535.7* |
| 1986 | 1,318.4 | 631.7 | 335.7 | 56.1 | 30.7 | 546.9 | 148.5 | 182.5 | 1,300.3 | 3,250.4 | *631.9* | *546.9* |
| 1987 | 1,381.1 | 658.8 | 365.7 | 59.6 | 30.7 | 560.1 | 150.1 | 192.7 | 1,358.9 | 3,398.8 | *659.1* | *560.1* |
| 1988 | 1,466.2 | 692.5 | 370.4 | 66.2 | 22.3 | 581.7 | 138.5 | 200.7 | 1,379.8 | 3,538.5 | *692.7* | *581.7* |
| 1989 | 1,490.9 | 714.7 | 377.6 | 54.6 | 25.7 | 572.1 | 146.1 | 205.3 | 1,381.4 | 3,587.0 | *715.0* | *572.1* |
| 1990 | 1,469.7 | 680.5 | 347.5 | 68.2 | 22.9 | 564.5 | 118.0 | 211.5 | 1,332.6 | 3,482.7 | *680.7* | *564.5* |
| 1991 | 1,425.2 | 666.9 | 335.1 | 64.3 | 27.4 | 562.5 | 105.1 | 194.9 | 1,289.2 | 3,381.4 | *667.2* | *562.5* |
| 1992 | 1,473.2 | 717.2 | 346.5 | 61.9 | 33.3 | 564.2 | 98.2 | 204.0 | 1,308.0 | 3,498.4 | *717.3* | *564.2* |
| 1993 | 1,487.0 | 731.7 | 365.5 | 66.7 | 20.8 | 576.9 | 119.1 | 193.2 | R 1,342.2 | 3,560.9 | *731.8* | *577.7* |
| 1994 | 1,439.6 | 738.9 | 381.5 | 66.5 | 20.5 | 570.9 | 123.0 | 210.2 | R 1,372.6 | 3,551.1 | *739.1* | *572.9* |
| 1995 | 1,484.1 | 761.4 | 359.1 | 69.8 | 20.0 | R 579.6 | 86.2 | 220.5 | R 1,335.2 | R 3,580.7 | *761.5* | *585.6* |
| 1996 | 1,543.7 | 770.9 | 357.1 | 67.1 | 22.0 | R 588.2 | 81.5 | 204.8 | R 1,320.6 | R 3,635.2 | *771.2* | *592.7* |
| 1997 | 1,569.6 | 730.6 | 346.2 | 84.0 | 19.1 | R 593.4 | 72.3 | 222.8 | R 1,337.7 | R 3,638.0 | *730.8* | *598.3* |
| 1998 | 1,466.0 | 667.2 | 335.5 | 94.9 | 19.7 | R 608.0 | 87.6 | 227.5 | 1,373.2 | 3,506.4 | *667.2* | *609.1* |
| 1999 | 1,415.0 | 713.4 | 364.2 | 90.4 | 20.5 | 610.9 | 74.6 | 207.3 | 1,367.9 | 3,496.3 | *713.6* | *611.9* |
| 2000 | 1,508.1 | 727.2 | 399.4 | 107.8 | 25.7 | 613.8 | 75.9 | 209.7 | 1,432.2 | 3,667.5 | *727.5* | *615.0* |
| 2001 | 1,392.2 | 669.0 | 404.5 | 107.0 | 23.8 | R 626.2 | 61.1 | 236.8 | R 1,459.4 | 3,520.5 | *669.1* | *627.6* |
| 2002 | 1,457.3 | 700.5 | 403.6 | 96.4 | 25.2 | 639.3 | 49.3 | 217.5 | 1,431.3 | 3,589.1 | *700.6* | *639.8* |
| 2003 | 1,462.0 | 717.5 | 386.5 | 99.1 | 40.8 | 637.7 | 72.0 | 229.8 | 1,465.8 | 3,645.3 | *717.6* | *638.2* |
| 2004 | 1,474.3 | 723.2 | 418.6 | 92.9 | 39.9 | R 641.6 | 74.6 | 243.0 | R 1,510.6 | R 3,708.1 | *723.3* | *649.1* |
| 2005 | 1,490.8 | 719.1 | 418.0 | 95.4 | 44.2 | R 641.3 | 89.3 | 243.8 | R 1,532.0 | R 3,742.0 | *719.3* | *646.0* |
| 2006 | 1,499.3 | 684.7 | 415.0 | 93.4 | 47.0 | R 629.8 | 44.8 | R 222.6 | R 1,452.6 | R 3,636.6 | *684.8* | *640.3* |
| 2007 | 1,491.9 | 781.6 | 409.0 | 87.9 | 47.8 | R 633.0 | 41.6 | R 211.3 | R 1,430.6 | R 3,704.1 | *781.7* | *647.0* |
| 2008 | 1,421.1 | 778.3 | R 376.6 | 81.8 | 56.6 | R 599.6 | 35.7 | R 191.2 | R 1,341.6 | R 3,540.9 | *778.4* | *629.6* |
| 2009 | 1,223.9 | 833.7 | 348.2 | 70.7 | 55.3 | 598.6 | 26.6 | 181.1 | 1,280.6 | 3,338.2 | *833.8* | *635.8* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 2.7 | 19.6 | 46.5 | NA | NA | 46.5 | 0.0 | NA | NA | 66.1 | -7.0 | 0.0 | 3,253.7 |
| 1965 | 3.7 | 13.9 | 47.4 | NA | NA | 47.4 | 0.0 | NA | NA | 61.3 | R 16.9 | 0.0 | R 3,735.0 |
| 1970 | 5.1 | 14.3 | 53.2 | NA | NA | 53.2 | 0.0 | NA | NA | 67.5 | R 8.5 | 0.0 | R 4,110.9 |
| 1971 | 4.8 | 8.2 | 52.4 | NA | NA | 52.4 | 0.0 | NA | NA | 60.6 | R -26.8 | 0.0 | R 4,048.6 |
| 1972 | 3.1 | 15.9 | 54.2 | NA | NA | 54.2 | 0.0 | NA | NA | 70.1 | R -54.6 | 0.0 | R 4,192.0 |
| 1973 | 3.9 | 14.3 | 56.6 | NA | NA | 56.6 | 0.0 | NA | NA | 70.9 | R -46.1 | 0.0 | R 4,299.0 |
| 1974 | 78.1 | 14.5 | 57.5 | NA | NA | 57.5 | 0.0 | NA | NA | 72.1 | R -22.9 | 0.0 | R 4,128.8 |
| 1975 | 174.8 | 16.4 | 57.5 | NA | NA | 57.5 | 0.0 | NA | NA | 73.9 | R -120.9 | 0.0 | R 3,918.1 |
| 1976 | 181.4 | 14.7 | 66.5 | NA | NA | 66.5 | 0.0 | NA | NA | 81.2 | R -135.9 | 0.0 | R 4,176.8 |
| 1977 | 191.9 | 12.6 | 71.7 | NA | NA | 71.7 | 0.0 | NA | NA | 84.3 | R -126.4 | 0.0 | R 4,143.3 |
| 1978 | 244.3 | 7.9 | 82.7 | NA | NA | 82.7 | 0.0 | NA | NA | 90.5 | R -180.8 | 0.0 | R 4,147.0 |
| 1979 | 204.5 | 12.7 | 94.2 | NA | NA | 94.2 | 0.0 | NA | NA | 106.8 | R -195.4 | 0.0 | R 4,273.6 |
| 1980 | 131.9 | 7.6 | 129.2 | NA | NA | 129.2 | 0.0 | NA | NA | 136.8 | R -134.4 | 0.0 | R 4,021.9 |
| 1981 | 157.5 | 6.9 | 140.8 | 0.0 | 0.0 | 140.8 | 0.0 | NA | NA | 147.7 | R -80.1 | 0.0 | R 3,842.5 |
| 1982 | 182.4 | 19.1 | 130.5 | 0.0 | 0.0 | 130.5 | 0.0 | NA | NA | 149.6 | R -160.1 | 0.0 | R 3,387.5 |
| 1983 | 160.5 | 12.3 | 154.8 | 0.0 | 0.0 | 154.8 | 0.0 | NA | 0.0 | 167.1 | R -173.7 | 0.0 | R 3,397.4 |
| 1984 | 233.8 | 15.1 | 136.9 | 0.0 | 0.0 | 136.9 | 0.0 | 0.0 | 0.0 | 152.0 | R -219.1 | 0.0 | R 3,627.8 |
| 1985 | 278.6 | 10.1 | 138.1 | 0.0 | 0.0 | 138.1 | 0.0 | 0.0 | 0.0 | 148.2 | R -271.7 | 0.0 | R 3,456.6 |
| 1986 | 421.3 | 15.2 | 102.0 | 0.0 | 0.0 | 102.0 | 0.0 | 0.0 | 0.0 | 117.2 | R -391.8 | 0.0 | R 3,397.1 |
| 1987 | 365.3 | 11.8 | 96.2 | 0.0 | 0.0 | 96.2 | 0.0 | 0.0 | 0.0 | 108.0 | R -301.7 | 0.0 | R 3,570.4 |
| 1988 | 401.4 | 7.3 | 100.9 | 0.0 | 0.0 | 100.9 | 0.0 | 0.0 | 0.0 | 108.2 | R -315.9 | 0.0 | R 3,732.2 |
| 1989 | 414.5 | 15.0 | 82.5 | 0.0 | 0.0 | 82.5 | 0.2 | 0.4 | 0.0 | 98.1 | R -342.5 | 0.0 | R 3,757.0 |
| 1990 | 611.5 | 29.8 | 61.4 | 0.0 | 0.0 | 61.4 | 0.2 | 0.5 | 0.0 | 91.9 | R -489.3 | 0.0 | R 3,696.8 |
| 1991 | 602.6 | 20.0 | 69.5 | 0.0 | 0.0 | 69.5 | 0.2 | 0.5 | 0.0 | 90.3 | R -446.4 | 0.0 | R 3,627.9 |
| 1992 | 629.6 | 26.7 | 80.2 | 0.0 | 0.0 | 80.2 | 0.3 | 0.5 | 0.0 | 107.6 | R -494.6 | 0.0 | R 3,741.0 |
| 1993 | 623.2 | 24.5 | 79.5 | 0.8 | 0.0 | 80.3 | 0.3 | 0.5 | 0.0 | R 105.5 | R -489.7 | 0.0 | R 3,799.9 |
| 1994 | 702.4 | 28.4 | 83.0 | 1.9 | 0.0 | 84.9 | 0.3 | 0.5 | 0.0 | 114.1 | R -515.2 | 0.5 | R 3,852.9 |
| 1995 | 698.3 | 20.9 | 91.5 | 6.0 | 0.0 | R 97.5 | 0.3 | 0.5 | 0.0 | R 119.3 | R -493.3 | 0.1 | R 3,905.1 |
| 1996 | 721.3 | 31.1 | 99.0 | 4.5 | 0.0 | R 103.6 | 0.4 | 0.5 | 0.0 | R 135.6 | R -558.6 | 0.7 | R 3,934.2 |
| 1997 | 710.0 | 23.0 | 90.8 | 5.0 | 0.0 | R 95.8 | 0.4 | 0.5 | 0.0 | R 119.7 | R -548.7 | 0.4 | R 3,919.3 |
| 1998 | 641.5 | 24.3 | 85.3 | 1.1 | 0.0 | R 86.4 | 0.5 | 0.5 | 0.0 | 111.7 | R -494.9 | -0.6 | R 3,764.2 |
| 1999 | 743.3 | 19.9 | 88.7 | 1.0 | 0.0 | 89.7 | 0.5 | 0.5 | 0.0 | 110.6 | R -555.2 | -0.1 | R 3,795.0 |
| 2000 | 769.4 | 23.4 | 89.5 | 1.1 | 0.0 | 90.6 | 0.5 | 0.5 | 0.1 | R 115.0 | R -611.8 | 0.0 | R 3,940.2 |
| 2001 | 770.0 | 17.0 | 77.6 | 1.4 | 0.0 | R 79.0 | 0.5 | 0.4 | 0.1 | 97.2 | R -497.4 | 0.0 | R 3,890.2 |
| 2002 | 794.5 | 22.5 | 72.5 | 0.5 | 0.0 | 73.0 | 0.6 | 0.4 | 0.6 | 97.1 | R -566.1 | -0.3 | R 3,914.3 |
| 2003 | 774.9 | 34.3 | 73.8 | 0.6 | 0.0 | R 74.3 | 0.8 | 0.4 | 1.1 | R 110.9 | R -567.8 | -0.3 | R 3,963.0 |
| 2004 | 807.7 | 31.6 | 74.4 | 7.5 | 0.0 | R 81.9 | 0.9 | R 0.4 | 3.1 | R 117.9 | R -608.2 | -0.6 | R 4,024.9 |
| 2005 | 796.2 | 22.3 | R 77.6 | 4.7 | 0.0 | R 82.3 | 1.0 | 0.5 | 2.8 | R 109.0 | R -602.7 | -1.0 | R 4,043.4 |
| 2006 | 785.8 | 28.2 | R 74.1 | 10.5 | 0.0 | R 84.6 | 1.1 | 0.6 | 3.6 | R 118.1 | R -630.3 | -0.3 | R 3,909.8 |
| 2007 | 811.3 | 22.1 | R 76.9 | 14.0 | 0.0 | R 91.0 | 1.3 | R 0.7 | 4.6 | R 119.7 | R -642.5 | 0.2 | R 3,992.8 |
| 2008 | 822.2 | 25.1 | R 80.1 | 30.0 | 0.0 | R 110.1 | 1.5 | R 0.9 | 7.2 | R 144.7 | R -617.6 | 1.8 | R 3,892.1 |
| 2009 | 808.8 | 26.2 | 78.7 | 37.1 | 0.0 | 115.9 | 1.8 | 1.1 | 10.5 | 155.4 | -649.0 | 0.6 | 3,654.1 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 42,584 | 516 | 45,772 | 1,036 | 2,334 | 80,104 | 40,211 | 24,318 | 193,776 | 16 | – – | – – | – – | – – | 39,217 | – – | – – | – – |
| 1965 | 45,729 | 628 | 53,867 | 3,406 | 3,030 | 85,723 | 39,886 | 29,834 | 215,746 | 15 | – – | – – | – – | – – | 53,530 | – – | – – | – – |
| 1970 | 39,433 | 763 | 59,530 | 9,083 | 4,754 | 101,718 | 37,934 | 29,819 | 242,839 | 12 | – – | – – | – – | – – | 75,620 | – – | – – | – – |
| 1975 | 30,384 | 653 | 64,677 | 8,469 | 6,077 | 108,765 | 31,359 | 28,823 | 248,170 | 1 | – – | – – | – – | – – | 87,736 | – – | – – | – – |
| 1980 | 23,445 | 773 | 66,364 | 10,148 | 7,255 | 107,925 | 17,872 | 31,801 | 241,364 | 1 | – – | – – | – – | – – | 99,744 | – – | – – | – – |
| 1985 | 14,989 | 624 | 56,464 | 10,126 | 7,577 | 101,979 | 6,177 | 28,575 | 210,898 | 1 | – – | – – | – – | – – | 100,152 | – – | – – | – – |
| 1990 | 15,854 | 641 | 57,522 | 12,042 | 6,313 | 107,467 | 12,112 | 34,025 | 229,481 | 0 | – – | – – | – – | – – | 114,751 | – – | – – | – – |
| 1995 | 16,074 | 696 | 60,257 | 12,313 | 5,509 | 112,282 | 8,879 | 35,258 | 234,499 | 0 | – – | – – | – – | – – | 126,251 | – – | – – | – – |
| 2000 | 11,250 | 682 | 65,971 | 19,009 | 7,115 | 118,034 | 7,327 | 34,861 | 252,317 | 0 | – – | – – | – – | – – | 133,845 | – – | – – | – – |
| 2001 | 10,863 | 612 | 68,279 | 18,877 | 6,573 | 120,458 | 4,546 | 39,320 | 258,053 | 0 | – – | – – | – – | – – | 135,272 | – – | – – | – – |
| 2002 | 10,724 | 625 | 68,043 | 17,006 | 6,974 | 122,851 | 4,570 | 35,654 | 255,097 | 0 | – – | – – | – – | – – | 139,820 | – – | – – | – – |
| 2003 | 11,066 | 649 | 65,004 | 17,473 | 11,231 | 122,575 | 5,634 | 37,362 | 259,279 | 0 | – – | – – | – – | – – | 140,369 | – – | – – | – – |
| 2004 | 11,099 | 620 | 70,797 | 16,381 | 11,037 | 124,468 | 6,529 | 39,313 | 268,525 | 0 | – – | – – | – – | – – | 143,501 | – – | – – | – – |
| 2005 | 10,580 | 611 | 70,491 | 16,826 | 12,209 | 123,808 | 7,141 | 39,900 | 270,375 | 0 | – – | – – | – – | – – | 148,273 | – – | – – | – – |
| 2006 | 10,219 | 559 | 70,597 | 16,465 | 13,033 | 122,702 | 6,181 | 36,517 | 265,495 | 0 | – – | – – | – – | – – | 146,150 | – – | – – | – – |
| 2007 | 9,981 | 608 | 69,379 | 15,503 | 13,307 | 123,970 | 5,108 | 34,856 | 262,122 | 0 | – – | – – | – – | – – | 151,573 | – – | – – | – – |
| 2008 | 9,338 | 609 | 63,862 | 14,435 | 15,729 | 120,652 | 4,970 | 31,365 | 251,014 | 0 | – – | – – | – – | – – | 150,401 | – – | – – | – – |
| 2009 | 6,211 | 594 | 59,193 | 12,476 | 15,530 | 121,843 | 3,459 | 29,684 | 242,185 | 0 | – – | – – | – – | – – | 143,747 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 1,107.2 | 533.9 | 266.6 | 5.7 | 9.4 | 420.8 | 252.8 | 145.9 | 1,101.2 | 0.2 | 46.5 | NA | NA | NA | 133.8 | 2,922.8 | 330.9 | 3,253.7 |
| 1965 | 1,192.7 | 651.6 | 313.8 | 19.2 | 12.2 | 450.3 | 250.8 | 178.3 | 1,224.4 | 0.2 | 47.4 | NA | NA | NA | 182.6 | 3,299.0 | 436.0 | 3,735.0 |
| 1970 | 1,018.8 | 788.2 | 346.8 | 51.4 | 18.0 | 534.3 | 238.5 | 179.5 | 1,368.4 | 0.1 | 53.2 | NA | NA | NA | 258.0 | 3,486.7 | 624.2 | 4,110.9 |
| 1975 | 785.3 | 668.9 | 376.7 | 47.9 | 22.6 | 571.3 | 197.2 | 173.3 | 1,389.1 | (s) | 57.5 | NA | NA | NA | 299.4 | 3,200.0 | 718.1 | 3,918.1 |
| 1980 | 609.4 | 789.9 | 386.6 | 57.4 | 26.7 | 566.9 | 112.4 | 188.8 | 1,338.7 | (s) | 129.2 | NA | NA | NA | 340.3 | 3,204.3 | 817.6 | 4,021.9 |
| 1985 | 389.4 | 645.4 | 328.9 | 57.3 | 27.3 | 535.7 | 38.8 | 171.6 | 1,159.6 | (s) | 138.1 | 0.0 | NA | NA | 341.7 | 2,673.9 | 782.7 | 3,456.6 |
| 1990 | 415.0 | 666.7 | 335.1 | 68.2 | 22.9 | 564.5 | 76.1 | 205.4 | 1,272.2 | 0.0 | 52.5 | 0.0 | 0.2 | 0.5 | 391.5 | 2,798.4 | 898.4 | 3,696.8 |
| 1995 | 421.7 | 720.9 | 351.0 | 69.8 | 20.0 | 585.6 | 55.8 | 212.6 | 1,294.7 | 0.0 | 63.8 | 0.0 | 0.3 | 0.5 | 430.8 | 2,932.7 | 972.4 | 3,905.1 |
| 2000 | 297.5 | 706.2 | 384.3 | 107.8 | 25.7 | 615.0 | 46.1 | 209.5 | 1,388.3 | 0.0 | 58.0 | 0.0 | 0.5 | 0.5 | 456.7 | 2,907.3 | 1,032.9 | 3,940.2 |
| 2001 | 285.7 | 645.7 | 397.7 | 107.0 | 23.8 | 627.6 | 28.6 | 236.6 | 1,421.3 | 0.0 | 52.5 | 0.0 | 0.5 | 0.4 | 461.5 | 2,867.6 | 1,022.6 | 3,890.2 |
| 2002 | 282.4 | 648.9 | 396.4 | 96.4 | 25.2 | 639.8 | 28.7 | 213.8 | 1,400.4 | 0.0 | 47.4 | 0.0 | 0.6 | 0.4 | 477.1 | 2,857.1 | 1,057.2 | 3,914.3 |
| 2003 | 291.6 | 674.7 | 378.7 | 99.1 | 40.8 | 638.2 | 35.4 | 224.7 | 1,416.9 | 0.0 | 49.2 | 0.0 | 0.8 | 0.4 | 478.9 | 2,912.4 | 1,050.7 | 3,963.0 |
| 2004 | 290.4 | 644.3 | 412.4 | 92.9 | 39.9 | 649.1 | 41.0 | 236.6 | 1,472.0 | 0.0 | 50.4 | 0.0 | 0.9 | 0.4 | 489.6 | 2,948.0 | 1,076.9 | 4,024.9 |
| 2005 | 265.9 | 635.7 | 410.6 | 95.4 | 44.2 | 646.0 | 44.9 | 240.6 | 1,481.8 | 0.0 | 52.6 | 0.0 | 1.0 | 0.5 | 505.9 | 2,943.3 | 1,100.1 | 4,043.4 |
| 2006 | 256.2 | 580.4 | 411.2 | 93.4 | 47.0 | 640.3 | 38.9 | 221.5 | 1,452.2 | 0.0 | 48.7 | 0.0 | 1.1 | 0.6 | 498.7 | 2,837.8 | 1,072.0 | 3,909.8 |
| 2007 | 250.3 | 633.4 | 404.1 | 87.9 | 47.8 | 647.0 | 32.1 | 211.3 | 1,430.2 | 0.0 | 50.5 | 0.0 | 1.3 | 0.7 | 517.2 | 2,883.5 | 1,109.3 | 3,992.8 |
| 2008 | 232.5 | 632.6 | 372.0 | 81.8 | 56.6 | 629.6 | 31.2 | 190.4 | 1,361.7 | 0.0 | 51.5 | 0.0 | 1.5 | 0.9 | 513.2 | 2,793.8 | 1,098.4 | 3,892.1 |
| 2009 | 152.9 | 617.2 | 344.8 | 70.7 | 55.3 | 635.8 | 21.7 | 180.2 | 1,308.5 | 0.0 | 50.2 | 0.0 | 1.8 | 1.0 | 490.5 | 2,622.0 | 1,032.1 | 3,654.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 5,236 | 232 | 25,101 | 2,763 | 959 | 28,824 | 1,307 | – – | – – | 11,094 | – – | – – | – – |
| 1965 | 3,185 | 256 | 28,391 | 2,753 | 1,151 | 32,294 | 1,060 | – – | – – | 14,807 | – – | – – | – – |
| 1970 | 2,028 | 297 | 31,242 | 3,368 | 1,612 | 36,222 | 1,024 | – – | – – | 23,007 | – – | – – | – – |
| 1975 | 561 | 273 | 31,587 | 2,023 | 1,799 | 35,409 | 1,039 | – – | – – | 27,678 | – – | – – | – – |
| 1980 | 329 | 288 | 27,838 | 2,362 | 1,355 | 31,556 | 2,666 | – – | – – | 31,767 | – – | – – | – – |
| 1985 | 280 | 245 | 24,185 | 2,853 | 1,961 | 28,999 | 2,478 | – – | – – | 32,686 | – – | – – | – – |
| 1990 | 262 | 240 | 20,207 | 1,377 | 2,160 | 23,744 | 1,300 | – – | – – | 38,164 | – – | – – | – – |
| 1995 | 154 | 262 | 20,307 | 2,064 | 2,635 | 25,006 | 1,172 | – – | – – | 42,802 | – – | – – | – – |
| 1996 | 119 | 279 | 20,704 | 2,411 | 2,867 | 25,983 | 1,217 | – – | – – | 43,645 | – – | – – | – – |
| 1997 | 137 | 262 | 19,169 | 2,541 | 2,824 | 24,534 | 691 | – – | – – | 42,785 | – – | – – | – – |
| 1998 | 93 | 218 | 16,232 | 2,906 | 2,973 | 22,112 | 614 | – – | – – | 42,923 | – – | – – | – – |
| 1999 | 83 | 241 | 19,175 | 2,518 | 3,184 | 24,877 | 646 | – – | – – | 44,126 | – – | – – | – – |
| 2000 | 82 | 263 | 20,910 | 2,790 | 3,829 | 27,530 | 695 | – – | – – | 45,008 | – – | – – | – – |
| 2001 | 86 | 239 | 20,863 | 2,884 | 2,968 | 26,715 | 625 | – – | – – | 46,030 | – – | – – | – – |
| 2002 | 70 | 239 | 20,503 | 1,985 | 3,424 | 25,913 | 634 | – – | – – | 48,730 | – – | – – | – – |
| 2003 | 91 | 265 | 22,251 | 1,597 | 4,285 | 28,132 | 667 | – – | – – | 49,651 | – – | – – | – – |
| 2004 | 68 | 248 | 22,427 | 1,941 | 4,128 | 28,495 | 684 | – – | – – | 50,663 | – – | – – | – – |
| 2005 | 50 | 245 | 19,896 | 1,822 | 3,937 | 25,654 | R 771 | – – | – – | 53,661 | – – | – – | – – |
| 2006 | 56 | 206 | 16,902 | 1,420 | 3,897 | 22,219 | R 702 | – – | – – | 51,790 | – – | – – | – – |
| 2007 | 72 | 231 | 17,139 | 945 | 4,509 | 22,593 | R 774 | – – | – – | 54,587 | – – | – – | – – |
| 2008 | 20 | 229 | R 15,069 | 425 | 5,181 | R 20,674 | R 810 | – – | – – | 54,060 | – – | – – | – – |
| 2009 | 19 | 228 | 13,645 | 685 | 5,617 | 19,947 | 774 | – – | – – | 52,906 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 129.5 | 240.2 | 146.2 | 15.7 | 3.8 | 165.7 | 26.1 | NA | NA | 37.9 | 599.4 | 93.6 | 693.0 |
| 1965 | 77.6 | 265.3 | 165.4 | 15.6 | 4.6 | 185.6 | 21.2 | NA | NA | 50.5 | 600.2 | 120.6 | R 720.8 |
| 1970 | 47.8 | 306.8 | 182.0 | 19.1 | 6.1 | 207.2 | 20.5 | NA | NA | 78.5 | 660.7 | R 189.9 | R 850.6 |
| 1975 | 12.6 | 279.5 | 184.0 | 11.5 | 6.7 | 202.1 | 20.8 | NA | NA | 94.4 | 609.4 | R 226.5 | R 836.0 |
| 1980 | 7.6 | 294.7 | 162.2 | 13.4 | 5.0 | 180.5 | 53.3 | NA | NA | 108.4 | 643.3 | R 260.4 | R 903.7 |
| 1985 | 6.6 | 253.2 | 140.9 | 16.2 | 7.1 | 164.1 | 49.6 | NA | NA | 111.5 | 585.0 | R 255.4 | R 840.4 |
| 1990 | 6.6 | 249.5 | 117.7 | 7.8 | 7.8 | 133.3 | 26.0 | 0.2 | 0.5 | 130.2 | 546.1 | R 298.8 | R 844.9 |
| 1995 | 3.8 | 271.4 | 118.3 | 11.7 | 9.5 | 139.5 | 23.4 | 0.2 | 0.5 | 146.0 | 584.9 | R 329.7 | R 914.6 |
| 1996 | 2.9 | 288.1 | 120.6 | 13.7 | 10.4 | 144.6 | 24.3 | 0.2 | 0.5 | 148.9 | 609.6 | R 336.5 | R 946.1 |
| 1997 | 3.4 | 271.7 | 111.7 | 14.4 | 10.2 | 136.3 | 13.8 | 0.3 | 0.5 | 146.0 | 571.9 | R 328.6 | R 900.5 |
| 1998 | 2.3 | 225.8 | 94.6 | 16.5 | 10.7 | 121.8 | 12.3 | 0.3 | 0.5 | 146.5 | 509.4 | R 330.0 | R 839.5 |
| 1999 | 2.1 | 250.2 | 111.7 | 14.3 | 11.5 | 137.5 | 12.9 | 0.3 | 0.5 | 150.6 | 554.0 | R 342.3 | R 896.2 |
| 2000 | 2.2 | 272.0 | 121.8 | 15.8 | 13.8 | 151.4 | 13.9 | 0.3 | 0.5 | 153.6 | 593.7 | R 347.3 | R 941.0 |
| 2001 | 2.2 | 251.9 | 121.5 | 16.4 | 10.7 | 148.6 | 12.5 | 0.3 | 0.4 | 157.1 | 573.0 | R 348.0 | R 920.9 |
| 2002 | 1.8 | 248.1 | 119.4 | 11.3 | 12.4 | 143.1 | 12.7 | 0.3 | 0.4 | 166.3 | R 572.6 | R 368.5 | R 941.1 |
| 2003 | 2.3 | 275.6 | 129.6 | 9.1 | 15.5 | 154.2 | 13.3 | 0.4 | 0.4 | 169.4 | 615.7 | R 371.6 | R 987.3 |
| 2004 | 1.7 | 257.5 | 130.6 | 11.0 | 14.9 | 156.6 | 13.7 | 0.5 | R 0.4 | 172.9 | 603.2 | R 380.2 | R 983.4 |
| 2005 | 1.3 | 255.0 | 115.9 | 10.3 | 14.3 | 140.5 | R 15.4 | 0.6 | 0.5 | 183.1 | R 596.3 | R 398.1 | R 994.4 |
| 2006 | 1.4 | 213.8 | 98.5 | 8.0 | 14.0 | 120.6 | R 14.0 | 0.6 | 0.6 | 176.7 | R 527.7 | R 379.9 | R 907.6 |
| 2007 | 1.8 | 240.8 | 99.8 | 5.4 | 16.2 | 121.4 | R 15.5 | 0.8 | R 0.7 | 186.3 | R 567.1 | R 399.5 | R 966.6 |
| 2008 | 0.5 | 238.2 | R 87.8 | 2.4 | 18.7 | R 108.8 | R 16.2 | 0.9 | R 0.9 | 184.5 | R 549.9 | R 394.8 | R 944.7 |
| 2009 | 0.5 | 236.8 | 79.5 | 3.9 | 20.0 | 103.3 | 15.5 | 1.2 | 1.0 | 180.5 | 538.8 | 379.9 | 918.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 3,639 | 56 | 4,363 | 241 | 364 | 2,084 | 5,514 | 12,566 | NA | – – | – – | 7,125 | – – | – – | – – |
| 1965 | 2,403 | 68 | 4,935 | 240 | 436 | 2,585 | 5,899 | 14,096 | NA | – – | – – | 9,417 | – – | – – | – – |
| 1970 | 1,594 | 99 | 5,431 | 294 | 612 | 2,455 | 5,254 | 14,045 | NA | – – | – – | 13,435 | – – | – – | – – |
| 1975 | 1,308 | 99 | 5,491 | 177 | 682 | 1,310 | 3,630 | 11,290 | NA | – – | – – | 18,608 | – – | – – | – – |
| 1980 | 1,239 | 118 | 5,858 | 193 | 514 | 313 | 1,521 | 8,399 | NA | – – | – – | 21,746 | – – | – – | – – |
| 1985 | 993 | 115 | 5,508 | 359 | 744 | 448 | 1,414 | 8,472 | NA | – – | – – | 24,580 | – – | – – | – – |
| 1990 | 1,046 | 126 | 6,640 | 150 | 819 | 701 | 794 | 9,104 | 0 | – – | – – | 30,198 | – – | – – | – – |
| 1995 | 1,034 | 144 | 6,334 | 528 | 999 | 88 | 1,221 | 9,170 | 0 | – – | – – | 35,542 | – – | – – | – – |
| 1996 | 875 | 155 | 6,152 | 556 | 1,088 | 87 | 1,304 | 9,186 | 0 | – – | – – | 36,373 | – – | – – | – – |
| 1997 | 1,108 | 144 | 4,807 | 323 | 1,071 | 284 | 1,029 | 7,514 | 0 | – – | – – | 36,853 | – – | – – | – – |
| 1998 | 749 | 131 | 4,597 | 284 | 1,128 | 929 | 598 | 7,535 | 0 | – – | – – | 38,088 | – – | – – | – – |
| 1999 | 607 | 143 | 4,751 | 344 | 1,208 | 188 | 540 | 7,030 | 0 | – – | – – | 38,306 | – – | – – | – – |
| 2000 | 660 | 145 | 5,495 | 407 | 1,452 | 146 | 634 | 8,135 | 0 | – – | – – | 42,988 | – – | – – | – – |
| 2001 | 698 | 136 | 5,994 | 501 | 1,126 | 127 | 500 | 8,248 | 0 | – – | – – | 41,446 | – – | – – | – – |
| 2002 | 516 | 136 | 7,454 | 388 | 1,299 | 158 | 376 | 9,675 | 0 | – – | – – | 43,598 | – – | – – | – – |
| 2003 | 609 | 149 | 6,269 | 394 | 1,617 | 158 | 564 | 9,001 | 0 | – – | – – | 43,218 | – – | – – | – – |
| 2004 | 612 | 143 | 6,216 | 409 | 1,744 | 111 | 609 | 9,088 | 0 | – – | – – | 44,355 | – – | – – | – – |
| 2005 | 573 | 145 | 6,124 | 460 | 1,427 | 90 | 626 | 8,727 | 0 | – – | – – | 45,782 | – – | – – | – – |
| 2006 | 568 | 130 | 5,703 | 420 | 1,584 | 91 | 287 | 8,084 | 0 | – – | – – | 45,624 | – – | – – | – – |
| 2007 | 645 | 146 | 4,920 | 186 | 1,736 | 91 | 389 | 7,322 | 0 | – – | – – | 47,531 | – – | – – | – – |
| 2008 | 183 | 145 | R 4,996 | 61 | 1,681 | 91 | 248 | R 7,078 | 0 | – – | – – | 47,347 | – – | – – | – – |
| 2009 | 174 | 144 | 4,302 | 90 | 1,784 | 91 | 254 | 6,520 | 0 | – – | – – | 46,411 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 90.0 | 58.1 | 25.4 | 1.4 | 1.5 | 10.9 | 34.7 | 73.9 | NA | 0.5 | NA | 24.3 | 246.7 | 60.1 | 306.9 |
| 1965 | 58.5 | 70.1 | 28.7 | 1.4 | 1.8 | 13.6 | 37.1 | 82.5 | NA | 0.4 | NA | 32.1 | 243.7 | 76.7 | 320.4 |
| 1970 | 37.5 | 102.6 | 31.6 | 1.7 | 2.3 | 12.9 | 33.0 | 81.5 | NA | 0.4 | NA | 45.8 | 267.9 | 110.9 | 378.8 |
| 1975 | 29.4 | 101.5 | 32.0 | 1.0 | 2.5 | 6.9 | 22.8 | 65.2 | NA | 0.4 | NA | 63.5 | 260.0 | R 152.3 | R 412.3 |
| 1980 | 28.7 | 121.1 | 34.1 | 1.1 | 1.9 | 1.6 | 9.6 | 48.3 | NA | 1.3 | NA | 74.2 | 273.1 | R 178.2 | R 451.3 |
| 1985 | 23.6 | 119.3 | 32.1 | 2.0 | 2.7 | 2.4 | 8.9 | 48.0 | NA | 1.2 | NA | 83.9 | 275.9 | R 192.1 | R 468.0 |
| 1990 | 26.3 | 130.6 | 38.7 | 0.9 | 3.0 | 3.7 | 5.0 | 51.2 | 0.0 | 2.8 | (s) | 103.0 | 313.9 | R 236.4 | R 550.3 |
| 1995 | 25.7 | 148.8 | 36.9 | 3.0 | 3.6 | 0.5 | 7.7 | 51.6 | 0.0 | 7.1 | 0.1 | 121.3 | 354.6 | R 273.7 | R 628.4 |
| 1996 | 21.6 | 159.9 | 35.8 | 3.1 | 3.9 | 0.5 | 8.2 | 51.6 | 0.0 | 7.2 | 0.1 | 124.1 | 364.5 | R 280.5 | R 645.0 |
| 1997 | 27.3 | 149.2 | 28.0 | 1.8 | 3.9 | 1.5 | 6.5 | 41.7 | 0.0 | 6.1 | 0.2 | 125.7 | 350.1 | R 283.1 | R 633.1 |
| 1998 | 18.9 | 135.8 | 26.8 | 1.6 | 4.1 | 4.8 | 3.8 | 41.1 | 0.0 | 5.9 | 0.2 | 130.0 | 331.7 | R 292.9 | R 624.6 |
| 1999 | 15.4 | 148.4 | 27.7 | 2.0 | 4.4 | 1.0 | 3.4 | 38.4 | 0.0 | 5.9 | 0.2 | 130.7 | 339.0 | R 297.1 | R 636.2 |
| 2000 | 17.4 | 150.4 | 32.0 | 2.3 | 5.2 | 0.8 | 4.0 | 44.3 | 0.0 | 6.1 | 0.2 | 146.7 | 365.0 | R 331.7 | R 696.8 |
| 2001 | 17.6 | 143.9 | 34.9 | 2.8 | 4.1 | 0.7 | 3.1 | 45.6 | 0.0 | 4.4 | 0.2 | 141.4 | 353.2 | R 313.3 | R 666.5 |
| 2002 | 13.0 | 141.3 | 43.4 | 2.2 | 4.7 | 0.8 | 2.4 | 53.5 | 0.0 | 4.5 | 0.3 | 148.8 | 361.3 | R 329.6 | R 690.9 |
| 2003 | 15.3 | 155.4 | 36.5 | 2.2 | 5.9 | 0.8 | 3.5 | 49.0 | 0.0 | 4.7 | 0.3 | 147.5 | 372.2 | R 323.5 | R 695.7 |
| 2004 | 15.4 | 148.2 | 36.2 | 2.3 | 6.3 | 0.6 | 3.8 | 49.2 | 0.0 | 4.4 | 0.4 | 151.3 | 368.9 | R 332.9 | R 701.8 |
| 2005 | 14.4 | 150.8 | 35.7 | 2.6 | 5.2 | 0.5 | 3.9 | 47.9 | 0.0 | R 4.6 | 0.5 | 156.2 | R 374.4 | R 339.7 | R 714.1 |
| 2006 | 14.3 | 135.4 | 33.2 | 2.4 | 5.7 | 0.5 | 1.8 | 43.6 | 0.0 | R 4.3 | 0.5 | 155.7 | R 353.7 | R 334.7 | R 688.4 |
| 2007 | 16.2 | 151.8 | 28.7 | 1.1 | 6.2 | 0.5 | 2.4 | 38.9 | 0.0 | R 4.5 | 0.5 | 162.2 | R 374.1 | R 347.9 | R 722.0 |
| 2008 | 4.7 | 150.2 | R 29.1 | 0.3 | 6.1 | 0.5 | 1.6 | R 37.5 | 0.0 | R 4.7 | 0.6 | 161.5 | R 359.2 | R 345.8 | R 705.0 |
| 2009 | 4.5 | 149.8 | 25.1 | 0.5 | 6.3 | 0.5 | 1.6 | 34.0 | 0.0 | 4.6 | 0.6 | 158.4 | 351.9 | 333.2 | 685.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 33,140 | 213 | 8,645 | 992 | 1,456 | 29,692 | 17,976 | 58,762 | 16 | – – | – – | – – | 20,693 | – – | – – | – – |
| 1965 | 40,010 | 285 | 11,641 | 1,383 | 1,480 | 29,434 | 23,797 | 67,734 | 15 | – – | – – | – – | 29,075 | – – | – – | – – |
| 1970 | 35,753 | 340 | 10,196 | 2,396 | 1,181 | 27,132 | 24,169 | 65,074 | 12 | – – | – – | – – | 38,993 | – – | – – | – – |
| 1975 | 28,510 | 263 | 11,033 | 3,439 | 1,098 | 21,941 | 25,104 | 62,614 | 1 | – – | – – | – – | 41,256 | – – | – – | – – |
| 1980 | 21,877 | 337 | 11,128 | 5,238 | 586 | 11,555 | 27,597 | 56,104 | 1 | – – | – – | – – | 46,045 | – – | – – | – – |
| 1985 | 13,716 | 231 | 6,434 | 4,624 | 1,276 | 2,624 | 23,961 | 38,919 | 1 | – – | – – | – – | 42,520 | – – | – – | – – |
| 1990 | 14,546 | 241 | 7,489 | 3,177 | 1,180 | 5,734 | 31,009 | 48,589 | 0 | – – | – – | – – | 45,992 | – – | – – | – – |
| 1995 | 14,885 | 252 | 4,392 | 1,687 | 934 | 2,888 | 31,259 | 41,161 | 0 | – – | – – | – – | 47,528 | – – | – – | – – |
| 1996 | 15,155 | 246 | 4,462 | 1,977 | 855 | 3,292 | 28,366 | 38,952 | 0 | – – | – – | – – | 47,208 | – – | – – | – – |
| 1997 | 14,825 | 240 | 4,179 | 1,272 | 887 | 2,227 | 31,502 | 40,067 | 0 | – – | – – | – – | 48,063 | – – | – – | – – |
| 1998 | 10,691 | 232 | 4,066 | 1,224 | 872 | 2,219 | 31,779 | 40,160 | 0 | – – | – – | – – | 48,815 | – – | – – | – – |
| 1999 | 10,160 | 236 | 5,034 | 1,188 | 741 | 1,903 | 29,629 | 38,495 | 0 | – – | – – | – – | 46,059 | – – | – – | – – |
| 2000 | 10,508 | 235 | 5,576 | 1,766 | 703 | 1,994 | 30,140 | 40,180 | 0 | – – | – – | – – | 45,449 | – – | – – | – – |
| 2001 | 10,079 | 203 | 5,997 | 2,391 | 1,363 | 1,600 | 34,558 | 45,910 | 0 | – – | – – | – – | 47,383 | – – | – – | – – |
| 2002 | 10,137 | 212 | 5,254 | 2,153 | 1,432 | 1,316 | 31,920 | 42,075 | 0 | – – | – – | – – | 47,090 | – – | – – | – – |
| 2003 | 10,366 | 200 | 4,739 | 5,176 | 1,510 | 2,111 | 34,130 | 47,666 | 0 | – – | – – | – – | 46,773 | – – | – – | – – |
| 2004 | 10,418 | 200 | 5,446 | 5,010 | 1,823 | 1,918 | 35,708 | 49,904 | 0 | – – | – – | – – | 47,659 | – – | – – | – – |
| 2005 | 9,957 | 190 | 5,681 | 6,649 | 1,841 | 1,915 | 36,362 | 52,448 | 0 | – – | – – | – – | 47,950 | – – | – – | – – |
| 2006 | 9,595 | 195 | 7,293 | 7,372 | 2,112 | 1,709 | R 33,335 | R 51,821 | 0 | – – | – – | – – | 47,920 | – – | – – | – – |
| 2007 | 9,264 | 196 | 7,847 | 6,933 | 1,542 | 1,300 | R 32,466 | R 50,087 | 0 | – – | – – | – – | 48,579 | – – | – – | – – |
| 2008 | 9,135 | 198 | R 7,288 | R 8,578 | 837 | 1,077 | R 29,700 | R 47,480 | 0 | – – | – – | – – | 48,131 | – – | – – | – – |
| 2009 | 6,017 | 186 | 5,623 | 7,919 | 843 | 724 | 27,870 | 42,978 | 0 | – – | – – | – – | 43,552 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 873.1 | 220.0 | 50.4 | 4.0 | 7.6 | 186.7 | 110.7 | 359.3 | 0.2 | 19.8 | NA | NA | 70.6 | 1,543.0 | 174.6 | R 1,717.6 |
| 1965 | 1,053.3 | 296.1 | 67.8 | 5.5 | 7.8 | 185.0 | 144.8 | 411.0 | 0.2 | 25.8 | NA | NA | 99.2 | 1,885.5 | R 236.8 | R 2,122.3 |
| 1970 | 932.1 | 351.2 | 59.4 | 9.1 | 6.2 | 170.6 | 147.3 | 392.6 | 0.1 | 32.3 | NA | NA | 133.0 | 1,841.4 | R 321.9 | R 2,163.3 |
| 1975 | 743.1 | 269.8 | 64.3 | 12.8 | 5.8 | 137.9 | 152.1 | 372.8 | (s) | 36.3 | NA | NA | 140.8 | 1,562.8 | R 337.7 | R 1,900.5 |
| 1980 | 573.1 | 344.0 | 64.8 | 19.2 | 3.1 | 72.6 | 164.6 | 324.4 | (s) | 74.6 | NA | NA | 157.1 | 1,471.7 | R 377.4 | R 1,849.1 |
| 1985 | 359.2 | 238.7 | 37.5 | 16.7 | 6.7 | 16.5 | 145.1 | 222.4 | (s) | 87.4 | 0.0 | NA | 145.1 | 1,052.7 | R 332.3 | R 1,385.0 |
| 1990 | 382.1 | 250.9 | 43.6 | 11.5 | 6.2 | 36.0 | 187.9 | 285.3 | 0.0 | 23.7 | 0.0 | 0.0 | 156.9 | 1,098.9 | R 360.1 | R 1,458.9 |
| 1995 | 392.2 | 261.4 | 25.6 | 6.1 | 4.9 | 18.2 | 189.5 | 244.2 | 0.0 | 33.2 | 0.0 | 0.0 | 162.2 | 1,093.2 | R 366.1 | R 1,459.2 |
| 1996 | 398.4 | 254.6 | 26.0 | 7.1 | 4.5 | 20.7 | 171.6 | 229.9 | 0.0 | 38.4 | 0.0 | 0.0 | 161.1 | 1,082.2 | R 364.0 | R 1,446.2 |
| 1997 | 390.0 | 248.3 | 24.3 | 4.6 | 4.6 | 14.0 | 190.1 | 237.6 | 0.0 | 41.8 | 0.0 | 0.0 | 164.0 | 1,081.7 | R 369.2 | R 1,450.8 |
| 1998 | 284.2 | 240.5 | 23.7 | 4.4 | 4.5 | 14.0 | 192.5 | 239.1 | 0.0 | 36.3 | 0.0 | 0.0 | 166.6 | 966.6 | R 375.4 | R 1,341.9 |
| 1999 | 269.6 | 244.2 | 29.3 | 4.3 | 3.9 | 12.0 | 177.3 | 226.7 | 0.0 | 38.5 | 0.0 | 0.0 | 157.2 | 936.2 | R 357.3 | R 1,293.5 |
| 2000 | 277.9 | 243.6 | 32.5 | 6.4 | 3.7 | 12.5 | 182.3 | 237.4 | 0.0 | 38.0 | 0.0 | 0.0 | 155.1 | 951.8 | R 350.7 | R 1,302.5 |
| 2001 | 266.0 | 214.6 | 34.9 | 8.6 | 7.1 | 10.1 | 209.2 | 269.9 | 0.0 | 35.6 | 0.0 | 0.0 | 161.7 | 947.7 | R 358.2 | R 1,305.9 |
| 2002 | 267.7 | 220.5 | 30.6 | 7.8 | 7.5 | 8.3 | 192.3 | 246.4 | 0.0 | 30.2 | 0.0 | 0.0 | 160.7 | 925.4 | R 356.0 | R 1,281.4 |
| 2003 | 274.0 | 208.2 | 27.6 | 18.8 | 7.9 | 13.3 | 206.0 | 273.5 | 0.0 | 31.1 | 0.0 | 0.0 | 159.6 | 946.4 | R 350.1 | R 1,296.5 |
| 2004 | 273.4 | 207.9 | 31.7 | 18.1 | 9.5 | 12.1 | 215.8 | 287.2 | 0.0 | 32.3 | 0.0 | 0.0 | 162.6 | 963.3 | R 357.7 | R 1,321.0 |
| 2005 | 250.3 | 197.5 | 33.1 | 24.1 | 9.6 | 12.0 | 220.2 | 299.0 | 0.0 | 32.6 | 0.0 | 0.0 | 163.6 | 942.9 | R 355.8 | R 1,298.6 |
| 2006 | 240.5 | 202.5 | 42.5 | 26.6 | 11.0 | 10.7 | R 203.2 | R 294.0 | 0.0 | R 30.3 | 0.0 | 0.0 | 163.5 | R 930.8 | R 351.5 | R 1,282.3 |
| 2007 | 232.3 | 204.2 | 45.7 | 24.9 | 8.0 | 8.2 | R 197.3 | R 284.2 | 0.0 | R 30.5 | 0.0 | 0.0 | 165.8 | R 916.9 | R 355.5 | R 1,272.4 |
| 2008 | 227.3 | 205.2 | R 42.5 | 30.9 | 4.4 | 6.8 | R 180.6 | R 265.1 | 0.0 | R 30.7 | 0.0 | 0.0 | 164.2 | R 892.4 | R 351.5 | R 1,243.9 |
| 2009 | 147.9 | 193.1 | 32.8 | 28.2 | 4.4 | 4.5 | 169.6 | 239.5 | 0.0 | 30.1 | 0.0 | 0.0 | 148.6 | 759.1 | 312.7 | 1,071.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 569 | 15 | 1,994 | 7,662 | 1,036 | 20 | 1,343 | 76,565 | 5,005 | 93,625 | 306 | – – | – – | – – |
| 1965 | 130 | 19 | 1,922 | 8,900 | 3,406 | 60 | 1,121 | 81,658 | 4,554 | 101,622 | 232 | – – | – – | – – |
| 1970 | 57 | 27 | 662 | 12,662 | 9,083 | 134 | 1,327 | 98,082 | 5,548 | 127,497 | 184 | – – | – – | – – |
| 1975 | 5 | 18 | 426 | 16,566 | 8,469 | 157 | 1,094 | 106,357 | 5,788 | 138,857 | 194 | – – | – – | – – |
| 1980 | 0 | 29 | 337 | 21,539 | 10,148 | 147 | 1,312 | 107,026 | 4,796 | 145,306 | 186 | – – | – – | – – |
| 1985 | 0 | 33 | 208 | 20,337 | 10,126 | 249 | 1,194 | 100,255 | 2,139 | 134,508 | 365 | – – | – – | – – |
| 1990 | 0 | 34 | 145 | 23,187 | 12,042 | 157 | 1,344 | 105,586 | 5,584 | 148,044 | 396 | – – | – – | – – |
| 1995 | 0 | 38 | 125 | 29,224 | 12,313 | 188 | 1,282 | 111,261 | 4,769 | 159,162 | 379 | – – | – – | – – |
| 1996 | 0 | 41 | 121 | 28,464 | 11,831 | 148 | 1,244 | 112,697 | 3,326 | 157,831 | 397 | – – | – – | – – |
| 1997 | 0 | 39 | 107 | 30,227 | 14,819 | 117 | 1,314 | 113,608 | 4,579 | 164,771 | 376 | – – | – – | – – |
| 1998 | 0 | 33 | 126 | 31,153 | 16,731 | 127 | 1,376 | 115,066 | 5,481 | 170,060 | 381 | – – | – – | – – |
| 1999 | 0 | 37 | 205 | 32,235 | 15,943 | 97 | 1,390 | 116,491 | 5,003 | 171,364 | 392 | – – | – – | – – |
| 2000 | 0 | 39 | 154 | 33,989 | 19,009 | 68 | 1,369 | 117,185 | 4,699 | 176,473 | 401 | – – | – – | – – |
| 2001 | 0 | 33 | 122 | 35,425 | 18,877 | 88 | 1,255 | 118,968 | 2,446 | 177,180 | 412 | – – | – – | – – |
| 2002 | 0 | 38 | 121 | 34,831 | 17,006 | 98 | 1,240 | 121,261 | 2,878 | 177,435 | 403 | – – | – – | – – |
| 2003 | 0 | 34 | 95 | 31,746 | 17,473 | 153 | 1,146 | 120,907 | 2,959 | 174,479 | 727 | – – | – – | – – |
| 2004 | 0 | 30 | 95 | 36,709 | 16,381 | 155 | 1,161 | 122,535 | 4,003 | 181,037 | 823 | – – | – – | – – |
| 2005 | 0 | 31 | 100 | 38,790 | 16,826 | 197 | 1,155 | 121,878 | 4,600 | 183,546 | 880 | – – | – – | – – |
| 2006 | 0 | 28 | 218 | 40,699 | 16,465 | 179 | 1,125 | 120,499 | 4,186 | 183,371 | 816 | – – | – – | – – |
| 2007 | 0 | 35 | 97 | 39,473 | 15,503 | 130 | 1,162 | 122,337 | 3,419 | 182,120 | 876 | – – | – – | – – |
| 2008 | 0 | 38 | 100 | R 36,510 | 14,435 | R 289 | 1,079 | 119,724 | 3,645 | R 175,782 | 863 | – – | – – | – – |
| 2009 | 0 | 36 | 69 | 35,624 | 12,476 | 210 | 970 | 120,910 | 2,481 | 172,740 | 879 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 14.6 | 15.6 | 10.1 | 44.6 | 5.7 | 0.1 | 8.1 | 402.2 | 31.5 | 502.3 | 1.0 | 533.6 | 2.6 | 536.2 |
| 1965 | 3.3 | 20.1 | 9.7 | 51.8 | 19.2 | 0.2 | 6.8 | 429.0 | 28.6 | 545.4 | 0.8 | 569.5 | 1.9 | 571.4 |
| 1970 | 1.4 | 27.5 | 3.3 | 73.8 | 51.4 | 0.5 | 8.0 | 515.2 | 34.9 | 687.1 | 0.6 | 716.7 | 1.5 | 718.2 |
| 1975 | 0.1 | 18.1 | 2.1 | 96.5 | 47.9 | 0.6 | 6.6 | 558.7 | 36.4 | 748.9 | 0.7 | 767.8 | 1.6 | 769.4 |
| 1980 | 0.0 | 30.1 | 1.7 | 125.5 | 57.4 | 0.5 | 8.0 | 562.2 | 30.2 | 785.4 | 0.6 | 816.2 | 1.5 | 817.7 |
| 1985 | 0.0 | 34.1 | 1.1 | 118.5 | 57.3 | 0.9 | 7.2 | 526.6 | 13.4 | 725.0 | 1.2 | 760.4 | 2.9 | 763.2 |
| 1990 | 0.0 | 35.8 | 0.7 | 135.1 | 68.2 | 0.6 | 8.1 | 554.6 | 35.1 | 802.4 | 1.4 | 839.5 | 3.1 | R 842.6 |
| 1995 | 0.0 | 39.3 | 0.6 | 170.2 | 69.8 | 0.7 | 7.8 | 580.2 | 30.0 | 859.3 | 1.3 | 899.9 | 2.9 | 902.9 |
| 1996 | 0.0 | 42.2 | 0.6 | 165.8 | 67.1 | 0.5 | 7.5 | 587.8 | 20.9 | 850.3 | 1.4 | 893.8 | 3.1 | 896.9 |
| 1997 | 0.0 | 40.6 | 0.5 | 176.1 | 84.0 | 0.4 | 8.0 | 592.2 | 28.8 | 890.1 | 1.3 | 931.9 | 2.9 | 934.8 |
| 1998 | 0.0 | 34.0 | 0.6 | 181.5 | 94.9 | 0.5 | 8.3 | 599.7 | 34.5 | 920.0 | 1.3 | 955.2 | 2.9 | 958.2 |
| 1999 | 0.0 | 38.3 | 1.0 | 187.8 | 90.4 | 0.3 | 8.4 | 607.0 | 31.5 | 926.5 | 1.3 | 966.1 | R 3.0 | 969.1 |
| 2000 | 0.0 | 40.2 | 0.8 | 198.0 | 107.8 | 0.2 | 8.3 | 610.5 | 29.5 | 955.2 | 1.4 | 996.8 | 3.1 | R 999.8 |
| 2001 | 0.0 | 35.3 | 0.6 | 206.3 | 107.0 | 0.3 | 7.6 | 619.8 | 15.4 | 957.1 | 1.4 | 993.8 | 3.1 | 996.9 |
| 2002 | 0.0 | 39.0 | 0.6 | 202.9 | 96.4 | 0.4 | 7.5 | 631.5 | 18.1 | 957.4 | 1.4 | 997.8 | R 3.0 | 1,000.8 |
| 2003 | 0.0 | 35.4 | 0.5 | 184.9 | 99.1 | 0.6 | 7.0 | 629.6 | 18.6 | 940.1 | 2.5 | 978.1 | R 5.4 | 983.5 |
| 2004 | 0.0 | 30.7 | 0.5 | 213.8 | 92.9 | 0.6 | 7.0 | 639.0 | 25.2 | 979.0 | 2.8 | 1,012.5 | 6.2 | 1,018.7 |
| 2005 | 0.0 | 32.3 | 0.5 | 225.9 | 95.4 | 0.7 | 7.0 | 636.0 | 28.9 | 994.5 | 3.0 | 1,029.8 | R 6.5 | 1,036.3 |
| 2006 | 0.0 | 28.8 | 1.1 | 237.1 | 93.4 | 0.6 | 6.8 | 628.8 | 26.3 | 994.1 | 2.8 | 1,025.7 | 6.0 | 1,031.7 |
| 2007 | 0.0 | 36.6 | 0.5 | 229.9 | 87.9 | 0.5 | 7.0 | 638.5 | 21.5 | 985.8 | 3.0 | 1,025.4 | 6.4 | 1,031.8 |
| 2008 | 0.0 | 39.0 | 0.5 | R 212.7 | 81.8 | 1.0 | 6.5 | 624.7 | 22.9 | R 950.2 | 2.9 | R 992.2 | 6.3 | R 998.5 |
| 2009 | 0.0 | 37.5 | 0.4 | 207.5 | 70.7 | 0.7 | 5.9 | 630.9 | 15.6 | 931.7 | 3.0 | 972.2 | 6.3 | 978.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Pennsylvania

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 18,062 | 6 | 2,747 | 485 | 0 | 3,232 | 230 | 1,810 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 23,182 | 1 | 3,351 | 591 | 0 | 3,943 | 313 | 1,313 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 29,141 | 9 | 22,502 | 3,959 | 0 | 26,460 | 465 | 1,354 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 36,659 | 1 | 10,273 | 3,419 | 0 | 13,691 | 15,869 | 1,575 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 42,466 | 3 | 17,226 | 2,238 | 316 | 19,780 | 12,091 | 734 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 41,713 | 2 | 11,622 | 1,423 | 782 | 13,827 | 26,232 | 971 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 45,165 | 15 | 6,650 | 2,140 | 1,005 | 9,795 | 57,787 | 2,869 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 46,895 | 39 | 4,836 | 1,398 | 1,310 | 7,545 | 66,462 | 2,030 | – – | 0 | 0 | 0 | 16 | – – |
| 1996 | 49,541 | 26 | 5,037 | 1,514 | 1,363 | 7,914 | 68,672 | 3,012 | – – | 0 | 0 | 0 | 199 | – – |
| 1997 | 50,597 | 20 | 3,661 | 1,055 | 1,318 | 6,034 | 67,655 | 2,249 | – – | 0 | 0 | 0 | 113 | – – |
| 1998 | 50,810 | 30 | 5,635 | 1,555 | 1,327 | 8,517 | 61,149 | 2,381 | – – | 0 | 0 | 0 | -164 | – – |
| 1999 | 48,971 | 31 | 4,426 | 1,325 | 719 | 6,471 | 71,127 | 1,947 | – – | 0 | 0 | 0 | -16 | – – |
| 2000 | 52,266 | 21 | 4,744 | 2,593 | 26 | 7,363 | 73,771 | 2,290 | – – | 0 | 0 | 10 | 0 | – – |
| 2001 | 49,297 | 23 | 5,175 | 1,167 | 23 | 6,365 | 73,731 | 1,650 | – – | 0 | 0 | 11 | 0 | – – |
| 2002 | 49,860 | 50 | 3,264 | 1,238 | 612 | 5,115 | 76,089 | 2,211 | – – | 0 | 0 | 58 | -96 | – – |
| 2003 | 50,926 | 41 | 5,822 | 1,346 | 844 | 8,012 | 74,361 | 3,346 | – – | 0 | 0 | 112 | -85 | – – |
| 2004 | 51,698 | 76 | 5,331 | 1,072 | 1,051 | 7,453 | 77,459 | 3,155 | – – | 0 | 0 | 306 | -177 | – – |
| 2005 | 54,464 | 81 | 7,058 | 1,273 | 534 | 8,865 | 76,289 | 2,232 | – – | 0 | 0 | 284 | -286 | – – |
| 2006 | 55,936 | 101 | 949 | 651 | 179 | 1,779 | 75,298 | 2,844 | – – | 0 | 0 | 361 | -95 | – – |
| 2007 | 55,712 | 144 | 1,516 | 838 | 0 | 2,353 | 77,376 | 2,236 | – – | 0 | 0 | 470 | 62 | – – |
| 2008 | 53,995 | 141 | 701 | 794 | 137 | 1,632 | 78,658 | 2,549 | – – | 0 | (s) | 729 | 533 | – – |
| 2009 | 48,853 | 211 | 776 | 592 | 140 | 1,508 | 77,328 | 2,683 | – – | 0 | 4 | 1,075 | 170 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 423.3 | 6.2 | 17.3 | 2.8 | 0.0 | 20.1 | 2.7 | 19.5 | 0.0 | 0.0 | NA | NA | 0.0 | 471.7 |
| 1965 | 558.6 | 1.3 | 21.1 | 3.4 | 0.0 | 24.5 | 3.7 | 13.7 | 0.0 | 0.0 | NA | NA | 0.0 | 601.8 |
| 1970 | 680.2 | 9.7 | 141.5 | 23.1 | 0.0 | 164.5 | 5.1 | 14.2 | 0.0 | 0.0 | NA | NA | 0.0 | 873.7 |
| 1975 | 861.4 | 1.2 | 64.6 | 19.9 | 0.0 | 84.5 | 174.8 | 16.4 | 0.0 | 0.0 | NA | NA | 0.0 | 1,138.3 |
| 1980 | 1,026.7 | 2.9 | 108.3 | 13.0 | 1.9 | 123.2 | 131.9 | 7.6 | 0.0 | 0.0 | NA | NA | 0.0 | 1,292.3 |
| 1985 | 1,019.7 | 1.6 | 73.1 | 8.3 | 4.7 | 86.1 | 278.6 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,396.1 |
| 1990 | 1,054.7 | 14.0 | 41.8 | 12.5 | 6.1 | 60.3 | 611.5 | 29.8 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,779.2 |
| 1995 | 1,062.4 | 40.6 | 30.4 | 8.1 | 7.9 | 46.4 | 698.3 | 20.9 | 27.7 | 0.0 | 0.0 | 0.0 | 0.1 | 1,896.5 |
| 1996 | 1,120.7 | 26.4 | 31.7 | 8.8 | 8.2 | 48.7 | 721.3 | 31.1 | 29.1 | 0.0 | 0.0 | 0.0 | 0.7 | 1,978.1 |
| 1997 | 1,149.0 | 21.0 | 23.0 | 6.1 | 7.9 | 37.1 | 710.0 | 23.0 | 29.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1,969.4 |
| 1998 | 1,160.6 | 31.1 | 35.4 | 9.1 | 8.0 | 52.5 | 641.5 | 24.3 | 30.9 | 0.0 | 0.0 | 0.0 | -0.6 | 1,940.3 |
| 1999 | 1,127.8 | 32.5 | 27.8 | 7.7 | 4.3 | 39.9 | 743.3 | 19.9 | 31.3 | 0.0 | 0.0 | 0.0 | -0.1 | 1,994.6 |
| 2000 | 1,210.6 | 21.3 | 29.8 | 15.1 | 0.2 | 45.1 | 769.4 | 23.4 | 31.5 | 0.0 | 0.0 | 0.1 | 0.0 | 2,101.3 |
| 2001 | 1,106.5 | 23.4 | 32.5 | 6.8 | 0.1 | 39.5 | 770.0 | 17.0 | 25.1 | 0.0 | 0.0 | 0.1 | 0.0 | 1,981.6 |
| 2002 | 1,174.9 | 51.7 | 20.5 | 7.2 | 3.7 | 31.4 | 794.5 | 22.5 | 25.1 | 0.0 | 0.0 | 0.6 | -0.3 | 2,100.4 |
| 2003 | 1,170.4 | 42.8 | 36.6 | 7.8 | 5.1 | 49.5 | 774.9 | 34.3 | 24.6 | 0.0 | 0.0 | 1.1 | -0.3 | 2,097.4 |
| 2004 | 1,183.9 | 79.0 | 33.5 | 6.2 | 6.3 | 46.1 | 807.7 | 31.6 | 24.0 | 0.0 | 0.0 | 3.1 | -0.6 | 2,174.8 |
| 2005 | 1,224.9 | 83.5 | 44.4 | 7.4 | 3.2 | 55.0 | 796.2 | 22.3 | 25.0 | 0.0 | 0.0 | 2.8 | -1.0 | 2,208.7 |
| 2006 | 1,243.1 | 104.4 | 6.0 | 3.8 | 1.1 | 10.8 | 785.8 | 28.2 | 25.5 | 0.0 | 0.0 | 3.6 | -0.3 | 2,201.0 |
| 2007 | 1,241.6 | 148.3 | 9.5 | 4.9 | 0.0 | 14.4 | 811.3 | 22.1 | 26.4 | 0.0 | 0.0 | 4.6 | 0.2 | 2,269.0 |
| 2008 | 1,188.6 | 145.8 | 4.4 | 4.6 | 0.8 | 9.9 | 822.2 | 25.1 | 28.6 | 0.0 | (s) | 7.2 | 1.8 | 2,229.1 |
| 2009 | 1,071.1 | 216.6 | 4.9 | 3.4 | 0.8 | 9.2 | 808.8 | 26.2 | 28.5 | 0.0 | (s) | 10.5 | 0.6 | 2,171.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 598 | 12 | 8,106 | 38 | 207 | 5,975 | 9,827 | 2,016 | 26,170 | 0 | 9 | NA |
| 1965 | 419 | 16 | 6,879 | 49 | 223 | 6,492 | 6,276 | 2,126 | 22,045 | 0 | 2 | NA |
| 1970 | 10 | 25 | 8,631 | 137 | 375 | 8,009 | 9,727 | 1,954 | 28,833 | 0 | 3 | NA |
| 1971 | 9 | 26 | 9,073 | 125 | 363 | 8,220 | 10,100 | 2,028 | 29,909 | 0 | 1 | NA |
| 1972 | 7 | 22 | 9,301 | 174 | 428 | 8,604 | 9,744 | 1,729 | 29,981 | 0 | 6 | NA |
| 1973 | 7 | 21 | 8,881 | 175 | 449 | 8,625 | 8,440 | 2,152 | 28,722 | 0 | 5 | NA |
| 1974 | 40 | 24 | 8,288 | 165 | 408 | 8,719 | 6,381 | 1,853 | 25,814 | 0 | 4 | NA |
| 1975 | 7 | 23 | 8,003 | 271 | 498 | 8,972 | 4,389 | 1,990 | 24,122 | 0 | 3 | NA |
| 1976 | 6 | 21 | 8,633 | 241 | 549 | 8,813 | 4,478 | 2,163 | 24,878 | 0 | 3 | NA |
| 1977 | 5 | 26 | 8,401 | 209 | 600 | 9,207 | 4,738 | 2,251 | 25,406 | 0 | 4 | NA |
| 1978 | 5 | 23 | 7,887 | 260 | 518 | 9,098 | 3,671 | 2,184 | 23,618 | 0 | 4 | NA |
| 1979 | 5 | 27 | 7,237 | 312 | 317 | 8,873 | 2,178 | 2,011 | 20,927 | 0 | 3 | NA |
| 1980 | 7 | 28 | 5,032 | 348 | 293 | 8,416 | 2,525 | 2,065 | 18,680 | 0 | 1 | NA |
| 1981 | 8 | 29 | 3,983 | 303 | 278 | 8,519 | 2,204 | 1,382 | 16,668 | 0 | (s) | 1 |
| 1982 | 8 | 28 | 3,972 | 281 | 328 | 8,415 | 1,649 | 1,609 | 16,254 | 0 | 3 | (s) |
| 1983 | 7 | 29 | 4,706 | 329 | 330 | 8,299 | 1,465 | 1,531 | 16,661 | 0 | 3 | 0 |
| 1984 | 9 | 32 | 5,448 | 571 | 314 | 8,562 | 1,690 | 1,746 | 18,331 | 0 | 2 | 0 |
| 1985 | 9 | 30 | 4,940 | 498 | 501 | 8,665 | 2,232 | 3,387 | 20,223 | 0 | 0 | 0 |
| 1986 | 28 | 26 | 5,771 | 387 | 585 | 8,938 | 3,771 | 1,870 | 21,323 | 0 | 0 | 0 |
| 1987 | 5 | 36 | 6,748 | 528 | 669 | 9,140 | 2,318 | 2,136 | 21,539 | 0 | 0 | 0 |
| 1988 | 175 | 31 | 6,644 | 636 | 564 | 9,277 | 3,042 | 2,092 | 22,255 | 0 | 0 | 0 |
| 1989 | 27 | 34 | 6,373 | 724 | 502 | 8,874 | 1,692 | 1,903 | 20,068 | 0 | 5 | 0 |
| 1990 | 5 | 39 | 5,285 | 776 | 501 | 8,765 | 1,424 | 1,923 | 18,674 | 0 | 10 | 0 |
| 1991 | 4 | 76 | 5,739 | 656 | 466 | 8,681 | 1,093 | 677 | 17,311 | 0 | 10 | 0 |
| 1992 | 5 | 116 | 5,996 | 556 | 456 | 8,756 | 1,192 | 1,720 | 18,676 | 0 | 10 | 0 |
| 1993 | 3 | 74 | 5,745 | 527 | 513 | 8,883 | 1,303 | 1,017 | 17,989 | 0 | 9 | 0 |
| 1994 | 3 | 109 | 6,471 | 529 | 501 | 8,630 | 1,163 | 1,463 | 18,757 | 0 | 9 | 0 |
| 1995 | 3 | 101 | 5,839 | 500 | 461 | 8,927 | 936 | 1,220 | 17,882 | 0 | 9 | 0 |
| 1996 | 3 | 120 | 6,008 | 540 | 536 | 9,006 | 984 | 573 | 17,647 | 0 | 10 | 0 |
| 1997 | 3 | 118 | 6,705 | 828 | 422 | 9,195 | 904 | 546 | 18,599 | 0 | 8 | 0 |
| 1998 | 2 | 131 | 5,578 | 920 | 481 | 9,391 | 683 | 596 | 17,649 | 0 | 9 | 0 |
| 1999 | 2 | 118 | 5,465 | 1,057 | 506 | 9,593 | 641 | 614 | 17,876 | 0 | 6 | 0 |
| 2000 | 2 | 88 | 5,459 | 1,283 | 447 | 9,468 | 681 | 478 | 17,815 | 0 | 5 | 0 |
| 2001 | 2 | 96 | 5,750 | 1,304 | 431 | 9,617 | 633 | 547 | 18,283 | 0 | 3 | 0 |
| 2002 | 3 | 88 | 5,678 | 1,286 | 560 | 9,452 | 610 | 448 | 18,034 | 0 | 4 | 10 |
| 2003 | 4 | 78 | 6,390 | 1,056 | 473 | 9,474 | 683 | 543 | 18,620 | 0 | 6 | 11 |
| 2004 | 3 | 73 | 6,515 | 1,035 | 360 | 9,108 | 671 | 393 | 18,082 | 0 | 5 | 198 |
| 2005 | 3 | 81 | 6,177 | 825 | 433 | 9,216 | 727 | 569 | 17,947 | 0 | 7 | 299 |
| 2006 | 2 | 77 | 5,329 | 593 | 416 | 9,854 | 478 | R 532 | R 17,201 | 0 | 6 | 800 |
| 2007 | 2 | 88 | 5,780 | 335 | 417 | 9,730 | 411 | R 197 | R 16,870 | 0 | 4 | 1,033 |
| 2008 | 0 | 89 | R 5,152 | 300 | 408 | 9,727 | 249 | R 1,440 | R 17,276 | 0 | 5 | 961 |
| 2009 | 0 | 93 | 5,693 | 694 | 402 | 9,473 | 567 | 1,239 | 18,067 | 0 | 5 | 1,110 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 16.8 | 12.3 | 47.2 | 0.2 | 0.8 | 31.4 | 61.8 | 12.2 | 153.7 | 182.7 | *12.3* | *31.4* |
| 1965 | 11.5 | 17.0 | 40.1 | 0.3 | 0.9 | 34.1 | 39.5 | 13.0 | 127.8 | 156.2 | *17.0* | *34.1* |
| 1970 | 0.2 | 25.6 | 50.3 | 0.8 | 1.4 | 42.1 | 61.2 | 11.9 | 167.6 | 193.5 | *25.6* | *42.1* |
| 1971 | 0.2 | 26.2 | 52.9 | 0.7 | 1.4 | 43.2 | 63.5 | 12.5 | 174.1 | 200.5 | *26.2* | *43.2* |
| 1972 | 0.2 | 23.0 | 54.2 | 1.0 | 1.6 | 45.2 | 61.3 | 10.5 | 173.8 | 196.9 | *23.0* | *45.2* |
| 1973 | 0.1 | 20.9 | 51.7 | 1.0 | 1.7 | 45.3 | 53.1 | 13.4 | 166.2 | 187.2 | *20.9* | *45.3* |
| 1974 | 1.0 | 24.1 | 48.3 | 0.9 | 1.5 | 45.8 | 40.1 | 11.6 | 148.2 | 173.3 | *24.1* | *45.8* |
| 1975 | 0.1 | 23.5 | 46.6 | 1.5 | 1.8 | 47.1 | 27.6 | 12.4 | 137.1 | 160.7 | *23.5* | *47.1* |
| 1976 | 0.1 | 21.0 | 50.3 | 1.4 | 2.0 | 46.3 | 28.2 | 13.4 | 141.5 | 162.6 | *21.0* | *46.3* |
| 1977 | 0.1 | 26.0 | 48.9 | 1.2 | 2.2 | 48.4 | 29.8 | 14.1 | 144.5 | 170.6 | *26.0* | *48.4* |
| 1978 | 0.1 | 23.3 | 45.9 | 1.5 | 1.9 | 47.8 | 23.1 | 13.5 | 133.7 | 157.2 | *23.3* | *47.8* |
| 1979 | 0.1 | 27.5 | 42.2 | 1.8 | 1.2 | 46.6 | 13.7 | 12.2 | 117.6 | 145.3 | *27.5* | *46.6* |
| 1980 | 0.2 | 27.9 | 29.3 | 2.0 | 1.1 | 44.2 | 15.9 | 12.5 | 104.9 | 133.1 | *28.2* | *44.2* |
| 1981 | 0.2 | 28.9 | 23.2 | 1.7 | 1.0 | 44.8 | 13.9 | 8.8 | 93.3 | 122.4 | *29.8* | *44.8* |
| 1982 | 0.2 | 28.1 | 23.1 | 1.6 | 1.2 | 44.2 | 10.4 | 10.3 | 90.8 | 119.1 | *28.9* | *44.2* |
| 1983 | 0.2 | 29.4 | 27.4 | 1.9 | 1.2 | 43.6 | 9.2 | 9.9 | 93.1 | 122.8 | *30.1* | *43.6* |
| 1984 | 0.2 | 32.5 | 31.7 | 3.2 | 1.1 | 45.0 | 10.6 | 11.2 | 102.9 | 135.6 | *32.6* | *45.0* |
| 1985 | 0.2 | 30.7 | 28.8 | 2.8 | 1.8 | 45.5 | 14.0 | 22.1 | 115.0 | 146.0 | *30.9* | *45.5* |
| 1986 | 0.7 | 26.9 | 33.6 | 2.2 | 2.1 | 47.0 | 23.7 | 12.0 | 120.6 | 148.3 | *27.1* | *47.0* |
| 1987 | 0.1 | 36.8 | 39.3 | 3.0 | 2.4 | 48.0 | 14.6 | 13.8 | 121.1 | 158.1 | *36.9* | *48.0* |
| 1988 | 4.4 | 31.2 | 38.7 | 3.6 | 2.1 | 48.7 | 19.1 | 13.5 | 125.8 | 161.4 | *31.6* | *48.7* |
| 1989 | 0.7 | 34.6 | 37.1 | 4.1 | 1.8 | 46.6 | 10.6 | 12.3 | 112.7 | 148.0 | *34.9* | *46.6* |
| 1990 | 0.1 | 40.4 | 30.8 | 4.4 | 1.8 | 46.0 | 9.0 | 12.5 | 104.5 | 145.0 | *40.5* | *46.0* |
| 1991 | 0.1 | 78.0 | 33.4 | 3.7 | 1.7 | 45.6 | 6.9 | 4.3 | 95.6 | 173.7 | *78.1* | *45.6* |
| 1992 | 0.1 | 117.8 | 34.9 | 3.1 | 1.7 | 46.0 | 7.5 | 11.2 | 104.4 | 222.3 | *117.9* | *46.0* |
| 1993 | 0.1 | 76.5 | 33.5 | 3.0 | 1.9 | 46.7 | 8.2 | 6.6 | 99.7 | 176.3 | *76.6* | *46.7* |
| 1994 | 0.1 | 112.1 | 37.7 | 3.0 | 1.8 | 45.1 | 7.3 | 9.5 | 104.5 | 216.7 | *112.1* | *45.1* |
| 1995 | 0.1 | 103.5 | 34.0 | 2.8 | 1.7 | 46.6 | 5.9 | 7.9 | 98.9 | 202.4 | *103.5* | *46.6* |
| 1996 | 0.1 | 127.1 | 35.0 | 3.1 | 1.9 | 47.0 | 6.2 | 3.6 | 96.7 | 224.0 | *127.2* | *47.0* |
| 1997 | 0.1 | 120.5 | 39.1 | 4.7 | 1.5 | 47.9 | 5.7 | 3.4 | 102.3 | 222.9 | *120.5* | *47.9* |
| 1998 | 0.1 | 134.0 | 32.5 | 5.2 | 1.7 | 48.9 | 4.3 | 3.7 | 96.4 | 230.5 | *134.0* | *48.9* |
| 1999 | (s) | 120.7 | 31.8 | 6.0 | 1.8 | 50.0 | 4.0 | 3.8 | 97.5 | 218.2 | *120.7* | *50.0* |
| 2000 | 0.1 | 91.8 | 31.8 | 7.3 | 1.6 | 49.3 | 4.3 | 2.9 | 97.2 | 189.1 | *91.8* | *49.3* |
| 2001 | 0.1 | 98.6 | 33.5 | 7.4 | 1.6 | 50.1 | 4.0 | 3.3 | 99.9 | 198.5 | *98.6* | *50.1* |
| 2002 | 0.1 | 89.8 | 33.1 | 7.3 | 2.0 | 49.2 | 3.8 | 2.7 | 98.2 | 188.1 | *89.8* | *49.2* |
| 2003 | 0.1 | 80.3 | 37.2 | 6.0 | 1.7 | 49.3 | 4.3 | 3.4 | 101.9 | 182.4 | *80.3* | *49.3* |
| 2004 | 0.1 | 74.4 | 38.0 | 5.9 | 1.3 | 46.8 | 4.2 | 2.4 | 98.6 | 173.0 | *74.4* | *47.5* |
| 2005 | 0.1 | 82.5 | 36.0 | 4.7 | 1.6 | R 47.1 | 4.6 | 3.6 | 97.4 | R 180.0 | *82.5* | *48.1* |
| 2006 | (s) | 78.5 | 31.0 | 3.4 | 1.5 | 48.6 | 3.0 | 3.3 | R 90.9 | R 169.4 | *78.5* | *51.4* |
| 2007 | (s) | 90.8 | 33.7 | 1.9 | 1.5 | R 47.2 | 2.6 | 1.1 | R 88.0 | R 178.8 | *90.8* | *50.8* |
| 2008 | 0.0 | R 91.1 | R 30.0 | 1.7 | 1.5 | R 47.4 | 1.6 | 9.4 | R 91.6 | R 182.7 | R *91.1* | *50.8* |
| 2009 | 0.0 | 94.9 | 33.2 | 3.9 | 1.4 | 45.6 | 3.6 | 8.1 | 95.8 | 190.7 | *94.9* | *49.4* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 0.1 | 2.9 | NA | NA | 2.9 | 0.0 | NA | NA | 3.0 | 1.5 | 0.0 | 187.1 |
| 1965 | 0.0 | (s) | 3.5 | NA | NA | 3.5 | 0.0 | NA | NA | 3.6 | 14.0 | 0.0 | 173.8 |
| 1970 | 0.0 | (s) | 5.2 | NA | NA | 5.2 | 0.0 | NA | NA | 5.3 | 24.3 | 0.0 | 223.0 |
| 1971 | 0.0 | (s) | 4.8 | NA | NA | 4.8 | 0.0 | NA | NA | 4.9 | R 30.3 | 0.0 | R 235.7 |
| 1972 | 0.0 | 0.1 | 4.9 | NA | NA | 4.9 | 0.0 | NA | NA | 4.9 | R 35.2 | 0.0 | R 237.0 |
| 1973 | 0.0 | (s) | 5.1 | NA | NA | 5.1 | 0.0 | NA | NA | 5.1 | R 39.9 | 0.0 | R 232.2 |
| 1974 | 0.0 | (s) | 5.0 | NA | NA | 5.0 | 0.0 | NA | NA | 5.0 | R 37.6 | 0.0 | R 215.9 |
| 1975 | 0.0 | (s) | 4.0 | NA | NA | 4.0 | 0.0 | NA | NA | 4.1 | R 41.7 | 0.0 | R 206.5 |
| 1976 | 0.0 | (s) | 4.7 | NA | NA | 4.7 | 0.0 | NA | NA | 4.7 | R 49.3 | 0.0 | R 216.6 |
| 1977 | 0.0 | (s) | 5.3 | NA | NA | 5.3 | 0.0 | NA | NA | 5.3 | R 48.6 | 0.0 | R 224.5 |
| 1978 | 0.0 | (s) | 6.5 | NA | NA | 6.5 | 0.0 | NA | NA | 6.6 | R 50.4 | 0.0 | R 214.2 |
| 1979 | 0.0 | (s) | 7.1 | NA | NA | 7.1 | 0.0 | NA | NA | 7.1 | R 50.9 | 0.0 | R 203.3 |
| 1980 | 0.0 | (s) | 7.3 | NA | NA | 7.3 | 0.0 | NA | NA | 7.3 | R 47.4 | 0.0 | R 187.8 |
| 1981 | 0.0 | (s) | 6.6 | (s) | 0.0 | 6.6 | 0.0 | NA | NA | 6.6 | R 47.0 | 0.0 | R 176.1 |
| 1982 | 0.0 | (s) | 6.0 | (s) | 0.0 | 6.0 | 0.0 | NA | NA | 6.1 | R 50.4 | 0.0 | R 175.5 |
| 1983 | 0.0 | (s) | 7.4 | 0.0 | 0.0 | 7.4 | 0.0 | NA | 0.0 | 7.4 | R 51.3 | 0.0 | R 181.5 |
| 1984 | 0.0 | (s) | 4.9 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | 4.9 | R 52.2 | 0.0 | R 192.8 |
| 1985 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 5.1 | R 52.4 | 1.4 | R 204.8 |
| 1986 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 4.7 | R 53.3 | (s) | R 206.2 |
| 1987 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 3.3 | R 54.4 | (s) | R 215.8 |
| 1988 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 3.5 | R 56.1 | 2.3 | R 223.3 |
| 1989 | 0.0 | 0.1 | 3.7 | 0.0 | 0.0 | 3.7 | 0.0 | (s) | 0.0 | 3.8 | R 64.7 | 0.3 | R 216.8 |
| 1990 | 0.0 | 0.1 | 4.4 | 0.0 | 0.0 | 4.4 | 0.0 | (s) | 0.0 | 4.5 | R 59.4 | 0.1 | R 209.0 |
| 1991 | 0.0 | 0.1 | 4.4 | 0.0 | 0.0 | 4.4 | 0.0 | (s) | 0.0 | 4.6 | R 43.6 | 1.8 | R 223.8 |
| 1992 | 0.0 | 0.1 | 4.7 | 0.0 | 0.0 | 4.7 | 0.0 | (s) | 0.0 | 4.8 | R 26.6 | 3.1 | R 256.8 |
| 1993 | 0.0 | 0.1 | 5.0 | 0.0 | 0.0 | 5.0 | 0.0 | (s) | 0.0 | 5.2 | R 30.7 | 3.7 | R 215.8 |
| 1994 | 0.0 | 0.1 | 4.9 | 0.0 | 0.0 | 4.9 | 0.0 | (s) | 0.0 | 5.1 | R 27.8 | 4.0 | R 253.5 |
| 1995 | 0.0 | 0.1 | 4.9 | 0.0 | 0.0 | 4.9 | 0.0 | (s) | 0.0 | 5.1 | R 31.2 | 4.4 | R 243.0 |
| 1996 | 0.0 | 0.1 | 5.4 | 0.0 | 0.0 | 5.4 | 0.0 | (s) | 0.0 | 5.6 | R 3.0 | 4.5 | R 237.1 |
| 1997 | 0.0 | 0.1 | 4.2 | 0.0 | 0.0 | 4.2 | 0.0 | (s) | 0.0 | 4.3 | R 4.7 | 5.8 | R 237.7 |
| 1998 | 0.0 | 0.1 | 4.1 | 0.0 | 0.0 | 4.1 | 0.0 | (s) | 0.0 | 4.2 | R 7.3 | 6.0 | R 247.9 |
| 1999 | 0.0 | 0.1 | 4.4 | 0.0 | 0.0 | 4.4 | (s) | (s) | 0.0 | 4.5 | R 15.9 | 6.6 | R 245.2 |
| 2000 | 0.0 | (s) | 4.5 | 0.0 | 0.0 | 4.5 | (s) | (s) | 0.0 | 4.6 | R 24.2 | 5.4 | R 223.3 |
| 2001 | 0.0 | (s) | 3.8 | 0.0 | 0.0 | 3.8 | (s) | (s) | 0.0 | 3.9 | R 16.6 | 2.6 | R 221.6 |
| 2002 | 0.0 | (s) | 3.6 | (s) | 0.0 | 3.7 | (s) | (s) | 0.0 | 3.7 | R 25.4 | 1.1 | R 218.3 |
| 2003 | 0.0 | 0.1 | 3.7 | (s) | 0.0 | 3.7 | (s) | (s) | 0.0 | 3.8 | R 40.2 | 0.4 | R 226.8 |
| 2004 | 0.0 | 0.1 | 3.8 | 0.7 | 0.0 | R 4.4 | (s) | (s) | 0.0 | R 4.5 | R 47.0 | 1.0 | R 225.5 |
| 2005 | 0.0 | 0.1 | R 0.8 | 1.0 | 0.0 | R 1.8 | (s) | (s) | 0.0 | R 1.9 | R 40.9 | 1.2 | R 224.0 |
| 2006 | 0.0 | 0.1 | R 2.5 | 2.8 | 0.0 | R 5.3 | (s) | (s) | 0.0 | R 5.4 | R 36.9 | 1.1 | R 212.9 |
| 2007 | 0.0 | (s) | R 2.7 | 3.6 | 0.0 | R 6.3 | (s) | (s) | 0.0 | R 6.4 | R 29.7 | 1.4 | R 216.3 |
| 2008 | 0.0 | (s) | R 2.8 | 3.3 | 0.0 | R 6.1 | (s) | R (s) | 0.0 | R 6.2 | R 25.4 | R 2.1 | R 216.4 |
| 2009 | 0.0 | (s) | 2.5 | 3.8 | 0.0 | 6.4 | (s) | 0.1 | 0.0 | 6.5 | 19.6 | 2.5 | 219.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 25 | 11 | 8,093 | 38 | 207 | 5,975 | 9,114 | 2,016 | 25,443 | 1 | – – | – – | – – | – – | 1,911 | – – | – – | – – |
| 1965 | 17 | 16 | 6,863 | 49 | 223 | 6,492 | 5,406 | 2,126 | 21,159 | (s) | – – | – – | – – | – – | 2,691 | – – | – – | – – |
| 1970 | 10 | 23 | 8,575 | 137 | 375 | 8,009 | 6,736 | 1,954 | 25,786 | 0 | – – | – – | – – | – – | 3,927 | – – | – – | – – |
| 1975 | 7 | 23 | 7,977 | 271 | 498 | 8,972 | 2,847 | 1,990 | 22,554 | 0 | – – | – – | – – | – – | 4,451 | – – | – – | – – |
| 1980 | 7 | 26 | 5,004 | 348 | 293 | 8,416 | 891 | 2,065 | 17,018 | 0 | – – | – – | – – | – – | 5,131 | – – | – – | – – |
| 1985 | 9 | 27 | 4,920 | 498 | 501 | 8,665 | 1,525 | 3,387 | 19,495 | 0 | – – | – – | – – | – – | 5,430 | – – | – – | – – |
| 1990 | 5 | 30 | 5,267 | 776 | 501 | 8,765 | 1,084 | 1,923 | 18,316 | 0 | – – | – – | – – | – – | 6,419 | – – | – – | – – |
| 1995 | 3 | 65 | 5,815 | 500 | 461 | 8,927 | 873 | 1,220 | 17,795 | 0 | – – | – – | – – | – – | 6,636 | – – | – – | – – |
| 2000 | 2 | 40 | 5,420 | 1,283 | 447 | 9,468 | 681 | 478 | 17,776 | 0 | – – | – – | – – | – – | 7,301 | – – | – – | – – |
| 2001 | 2 | 37 | 5,707 | 1,304 | 431 | 9,617 | 633 | 547 | 18,240 | 0 | – – | – – | – – | – – | 7,393 | – – | – – | – – |
| 2002 | 3 | 34 | 5,647 | 1,286 | 560 | 9,452 | 610 | 448 | 18,003 | 0 | – – | – – | – – | – – | 7,561 | – – | – – | – – |
| 2003 | 4 | 36 | 6,361 | 1,056 | 473 | 9,474 | 683 | 543 | 18,591 | 0 | – – | – – | – – | – – | 7,797 | – – | – – | – – |
| 2004 | 3 | 37 | 6,493 | 1,035 | 360 | 9,108 | 671 | 393 | 18,060 | 0 | – – | – – | – – | – – | 7,888 | – – | – – | – – |
| 2005 | 3 | 37 | 6,150 | 825 | 433 | 9,216 | 727 | 569 | 17,920 | 0 | – – | – – | – – | – – | 8,049 | – – | – – | – – |
| 2006 | 2 | 34 | 5,304 | 593 | 416 | 9,854 | 478 | 532 | 17,176 | 0 | – – | – – | – – | – – | 7,799 | – – | – – | – – |
| 2007 | 2 | 37 | 5,744 | 335 | 417 | 9,730 | 411 | 197 | 16,835 | 0 | – – | – – | – – | – – | 8,013 | – – | – – | – – |
| 2008 | 0 | 36 | 5,114 | 300 | 408 | 9,727 | 249 | 1,440 | 17,237 | 0 | – – | – – | – – | – – | 7,819 | – – | – – | – – |
| 2009 | 0 | 37 | 5,670 | 694 | 402 | 9,473 | 567 | 1,239 | 18,044 | 0 | – – | – – | – – | – – | 7,618 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 0.6 | 11.9 | 47.1 | 0.2 | 0.8 | 31.4 | 57.3 | 12.2 | 149.1 | (s) | 2.9 | NA | NA | NA | 6.5 | 171.0 | 16.1 | 187.1 |
| 1965 | 0.4 | 16.5 | 40.0 | 0.3 | 0.9 | 34.1 | 34.0 | 13.0 | 122.2 | (s) | 3.5 | NA | NA | NA | 9.2 | 151.9 | 21.9 | 173.8 |
| 1970 | 0.2 | 23.3 | 49.9 | 0.8 | 1.4 | 42.1 | 42.4 | 11.9 | 148.5 | 0.0 | 5.2 | NA | NA | NA | 13.4 | 190.6 | 32.4 | 223.0 |
| 1975 | 0.1 | 23.4 | 46.5 | 1.5 | 1.8 | 47.1 | 17.9 | 12.4 | 127.3 | 0.0 | 4.0 | NA | NA | NA | 15.2 | 170.1 | 36.4 | 206.5 |
| 1980 | 0.2 | 26.5 | 29.1 | 2.0 | 1.1 | 44.2 | 5.6 | 12.5 | 94.5 | 0.0 | 7.3 | NA | NA | NA | 17.5 | 145.7 | 42.1 | 187.8 |
| 1985 | 0.2 | 28.2 | 28.7 | 2.8 | 1.8 | 45.5 | 9.6 | 22.1 | 110.4 | 0.0 | 5.1 | 0.0 | NA | NA | 18.5 | 162.4 | 42.4 | 204.8 |
| 1990 | 0.1 | 31.1 | 30.7 | 4.4 | 1.8 | 46.0 | 6.8 | 12.5 | 102.2 | 0.0 | 3.4 | 0.0 | 0.0 | (s) | 21.9 | 158.7 | 50.3 | 209.0 |
| 1995 | 0.1 | 66.9 | 33.9 | 2.8 | 1.7 | 46.6 | 5.5 | 7.9 | 98.3 | 0.0 | 3.9 | 0.0 | 0.0 | (s) | 22.6 | 191.9 | 51.1 | 243.0 |
| 2000 | 0.1 | 41.9 | 31.6 | 7.3 | 1.6 | 49.3 | 4.3 | 2.9 | 97.0 | 0.0 | 3.1 | 0.0 | (s) | (s) | 24.9 | 167.0 | 56.3 | 223.3 |
| 2001 | 0.1 | 38.3 | 33.2 | 7.4 | 1.6 | 50.1 | 4.0 | 3.3 | 99.6 | 0.0 | 2.5 | 0.0 | (s) | (s) | 25.2 | 165.7 | 55.9 | 221.6 |
| 2002 | 0.1 | 34.9 | 32.9 | 7.3 | 2.0 | 49.2 | 3.8 | 2.7 | 98.0 | 0.0 | 2.4 | 0.0 | (s) | (s) | 25.8 | 161.2 | 57.2 | 218.3 |
| 2003 | 0.1 | 37.4 | 37.1 | 6.0 | 1.7 | 49.3 | 4.3 | 3.4 | 101.8 | 0.0 | 2.5 | 0.0 | (s) | (s) | 26.6 | 168.4 | 58.4 | 226.8 |
| 2004 | 0.1 | 37.6 | 37.8 | 5.9 | 1.3 | 47.5 | 4.2 | 2.4 | 99.1 | 0.0 | 2.5 | 0.0 | (s) | (s) | 26.9 | 166.3 | 59.2 | 225.5 |
| 2005 | 0.1 | 37.6 | 35.8 | 4.7 | 1.6 | 48.1 | 4.6 | 3.6 | 98.3 | 0.0 | 0.8 | 0.0 | (s) | (s) | 27.5 | 164.3 | 59.7 | 224.0 |
| 2006 | (s) | 34.8 | 30.9 | 3.4 | 1.5 | 51.4 | 3.0 | 3.3 | 93.5 | 0.0 | 0.7 | 0.0 | (s) | (s) | 26.6 | 155.7 | 57.2 | 212.9 |
| 2007 | (s) | 38.1 | 33.5 | 1.9 | 1.5 | 50.8 | 2.6 | 1.1 | 91.4 | 0.0 | 0.8 | 0.0 | (s) | (s) | 27.3 | 157.6 | 58.6 | 216.3 |
| 2008 | 0.0 | 37.1 | 29.8 | 1.7 | 1.5 | 50.8 | 1.6 | 9.4 | 94.7 | 0.0 | 0.8 | 0.0 | (s) | (s) | 26.7 | 159.3 | 57.1 | 216.4 |
| 2009 | 0.0 | 38.3 | 33.0 | 3.9 | 1.4 | 49.4 | 3.6 | 8.1 | 99.5 | 0.0 | 0.8 | 0.0 | (s) | 0.1 | 26.0 | 164.6 | 54.7 | 219.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 12 | 7 | 5,507 | 770 | 117 | 6,394 | 52 | – – | – – | 620 | – – | – – | – – |
| 1965 | 7 | 9 | 4,828 | 534 | 105 | 5,467 | 46 | – – | – – | 871 | – – | – – | – – |
| 1970 | 4 | 12 | 5,835 | 335 | 124 | 6,294 | 58 | – – | – – | 1,390 | – – | – – | – – |
| 1975 | 1 | 13 | 5,395 | 87 | 116 | 5,598 | 64 | – – | – – | 1,684 | – – | – – | – – |
| 1980 | 1 | 14 | 3,297 | 54 | 90 | 3,441 | 355 | – – | – – | 1,840 | – – | – – | – – |
| 1985 | 1 | 15 | 3,818 | 131 | 219 | 4,167 | 248 | – – | – – | 1,971 | – – | – – | – – |
| 1990 | 1 | 18 | 3,035 | 38 | 217 | 3,290 | 152 | – – | – – | 2,376 | – – | – – | – – |
| 1995 | (s) | 17 | 3,466 | 27 | 222 | 3,714 | 164 | – – | – – | 2,472 | – – | – – | – – |
| 1996 | (s) | 19 | 3,479 | 30 | 278 | 3,788 | 171 | – – | – – | 2,481 | – – | – – | – – |
| 1997 | (s) | 18 | 3,607 | 34 | 250 | 3,891 | 122 | – – | – – | 2,486 | – – | – – | – – |
| 1998 | (s) | 16 | 3,265 | 41 | 292 | 3,598 | 108 | – – | – – | 2,522 | – – | – – | – – |
| 1999 | (s) | 17 | 3,161 | 49 | 205 | 3,415 | 114 | – – | – – | 2,667 | – – | – – | – – |
| 2000 | (s) | 19 | 3,262 | 65 | 218 | 3,544 | 123 | – – | – – | 2,664 | – – | – – | – – |
| 2001 | (s) | 18 | 3,562 | 69 | 191 | 3,822 | 96 | – – | – – | 2,699 | – – | – – | – – |
| 2002 | (s) | 18 | 3,355 | 34 | 234 | 3,623 | 98 | – – | – – | 2,829 | – – | – – | – – |
| 2003 | 1 | 20 | 3,705 | 46 | 227 | 3,978 | 103 | – – | – – | 2,998 | – – | – – | – – |
| 2004 | (s) | 19 | 3,892 | 50 | 172 | 4,115 | 105 | – – | – – | 3,000 | – – | – – | – – |
| 2005 | (s) | 19 | 3,733 | 59 | 182 | 3,974 | R 30 | – – | – – | 3,171 | – – | – – | – – |
| 2006 | (s) | 17 | 2,870 | 40 | 179 | 3,088 | R 28 | – – | – – | 3,008 | – – | – – | – – |
| 2007 | (s) | 18 | 2,963 | 16 | 209 | 3,188 | R 30 | – – | – – | 3,132 | – – | – – | – – |
| 2008 | 0 | 18 | R 2,856 | 12 | 225 | R 3,093 | R 32 | – – | – – | 3,043 | – – | – – | – – |
| 2009 | 0 | 18 | 3,123 | 24 | 220 | 3,367 | 30 | – – | – – | 2,937 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.3 | 6.9 | 32.1 | 4.4 | 0.5 | 36.9 | 1.0 | NA | NA | 2.1 | 47.3 | 5.2 | 52.6 |
| 1965 | 0.2 | 9.3 | 28.1 | 3.0 | 0.4 | 31.6 | 0.9 | NA | NA | 3.0 | 45.0 | 7.1 | 52.1 |
| 1970 | 0.1 | 12.2 | 34.0 | 1.9 | 0.5 | 36.4 | 1.2 | NA | NA | 4.7 | 54.6 | 11.5 | 66.0 |
| 1975 | (s) | 13.2 | 31.4 | 0.5 | 0.4 | 32.3 | 1.3 | NA | NA | 5.7 | 52.6 | 13.8 | 66.4 |
| 1980 | (s) | 14.3 | 19.2 | 0.3 | 0.3 | 19.8 | 7.1 | NA | NA | 6.3 | 47.4 | 15.1 | R 62.4 |
| 1985 | (s) | 15.5 | 22.2 | 0.7 | 0.8 | 23.8 | 5.0 | NA | NA | 6.7 | 50.9 | R 15.4 | R 66.3 |
| 1990 | (s) | 18.2 | 17.7 | 0.2 | 0.8 | 18.7 | 3.0 | 0.0 | (s) | 8.1 | 48.1 | R 18.6 | R 66.7 |
| 1995 | (s) | 17.8 | 20.2 | 0.2 | 0.8 | 21.1 | 3.3 | 0.0 | (s) | 8.4 | 50.7 | R 19.0 | R 69.8 |
| 1996 | (s) | 20.7 | 20.3 | 0.2 | 1.0 | 21.4 | 3.4 | 0.0 | (s) | 8.5 | 54.1 | R 19.1 | R 73.2 |
| 1997 | (s) | 18.8 | 21.0 | 0.2 | 0.9 | 22.1 | 2.4 | 0.0 | (s) | 8.5 | 51.9 | R 19.1 | R 71.0 |
| 1998 | (s) | 16.9 | 19.0 | 0.2 | 1.1 | 20.3 | 2.2 | 0.0 | (s) | 8.6 | 48.0 | R 19.4 | R 67.4 |
| 1999 | (s) | 17.1 | 18.4 | 0.3 | 0.7 | 19.4 | 2.3 | (s) | (s) | 9.1 | 48.0 | R 20.7 | R 68.7 |
| 2000 | (s) | 19.5 | 19.0 | 0.4 | 0.8 | 20.2 | 2.5 | (s) | (s) | 9.1 | 51.3 | R 20.6 | R 71.8 |
| 2001 | (s) | 18.5 | 20.8 | 0.4 | 0.7 | 21.8 | 1.9 | (s) | (s) | 9.2 | 51.5 | R 20.4 | R 71.9 |
| 2002 | (s) | 18.1 | 19.5 | 0.2 | 0.8 | 20.6 | 2.0 | (s) | (s) | 9.7 | 50.3 | R 21.4 | R 71.7 |
| 2003 | (s) | 20.7 | 21.6 | 0.3 | 0.8 | 22.7 | 2.1 | (s) | (s) | 10.2 | 55.7 | R 22.4 | R 78.1 |
| 2004 | (s) | 20.0 | 22.7 | 0.3 | 0.6 | 23.6 | 2.1 | (s) | (s) | 10.2 | 56.0 | R 22.5 | R 78.5 |
| 2005 | (s) | 19.5 | 21.7 | 0.3 | 0.7 | 22.7 | R 0.6 | (s) | (s) | 10.8 | R 53.7 | R 23.5 | R 77.2 |
| 2006 | (s) | 17.2 | 16.7 | 0.2 | 0.6 | 17.6 | R 0.6 | (s) | (s) | 10.3 | R 45.6 | R 22.1 | R 67.7 |
| 2007 | (s) | 18.4 | 17.3 | 0.1 | 0.8 | 18.1 | R 0.6 | (s) | (s) | 10.7 | R 47.8 | R 22.9 | R 70.8 |
| 2008 | 0.0 | 18.1 | R 16.6 | 0.1 | 0.8 | R 17.5 | R 0.6 | (s) | R (s) | 10.4 | R 46.7 | R 22.2 | R 68.9 |
| 2009 | 0.0 | 18.3 | 18.2 | 0.1 | 0.8 | 19.1 | 0.6 | (s) | 0.1 | 10.0 | 48.2 | 21.1 | 69.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 8 | 2 | 1,381 | 17 | 58 | 26 | 1,237 | 2,720 | NA | – – | – – | 376 | – – | – – | – – |
| 1965 | 6 | 3 | 1,211 | 12 | 52 | 32 | 634 | 1,942 | NA | – – | – – | 546 | – – | – – | – – |
| 1970 | 3 | 5 | 1,464 | 7 | 62 | 36 | 971 | 2,540 | NA | – – | – – | 1,285 | – – | – – | – – |
| 1975 | 3 | 4 | 1,353 | 2 | 58 | 41 | 602 | 2,056 | NA | – – | – – | 1,576 | – – | – – | – – |
| 1980 | 2 | 7 | 617 | 0 | 45 | 49 | 180 | 891 | NA | – – | – – | 1,892 | – – | – – | – – |
| 1985 | 4 | 8 | 493 | 4 | 109 | 32 | 552 | 1,190 | NA | – – | – – | 2,159 | – – | – – | – – |
| 1990 | 4 | 8 | 799 | 2 | 108 | 39 | 597 | 1,545 | 0 | – – | – – | 2,688 | – – | – – | – – |
| 1995 | 3 | 12 | 741 | 30 | 111 | 10 | 499 | 1,391 | 0 | – – | – – | 2,790 | – – | – – | – – |
| 1996 | 3 | 12 | 808 | 2 | 139 | 10 | 667 | 1,626 | 0 | – – | – – | 2,773 | – – | – – | – – |
| 1997 | 3 | 12 | 742 | 55 | 125 | 11 | 608 | 1,541 | 0 | – – | – – | 2,872 | – – | – – | – – |
| 1998 | 2 | 11 | 620 | 67 | 146 | 10 | 388 | 1,231 | 0 | – – | – – | 2,908 | – – | – – | – – |
| 1999 | 1 | 12 | 509 | 40 | 102 | 10 | 371 | 1,032 | 0 | – – | – – | 3,324 | – – | – – | – – |
| 2000 | 2 | 13 | 629 | 19 | 109 | 10 | 419 | 1,185 | 0 | – – | – – | 3,243 | – – | – – | – – |
| 2001 | 2 | 13 | 630 | 98 | 95 | 43 | 429 | 1,296 | 0 | – – | – – | 3,308 | – – | – – | – – |
| 2002 | 3 | 11 | 662 | 55 | 117 | 59 | 360 | 1,254 | 0 | – – | – – | 3,401 | – – | – – | – – |
| 2003 | 3 | 11 | 980 | 5 | 133 | 59 | 373 | 1,551 | 0 | – – | – – | 3,490 | – – | – – | – – |
| 2004 | 3 | 11 | 859 | 7 | 105 | 12 | 395 | 1,378 | 0 | – – | – – | 3,542 | – – | – – | – – |
| 2005 | 3 | 11 | 686 | 9 | 105 | 12 | 437 | 1,249 | 0 | – – | – – | 3,628 | – – | – – | – – |
| 2006 | 2 | 10 | 609 | 10 | 75 | 10 | 256 | 961 | 0 | – – | – – | 3,599 | – – | – – | – – |
| 2007 | 1 | 11 | 688 | 1 | 89 | 10 | 234 | 1,021 | 0 | – – | – – | 3,710 | – – | – – | – – |
| 2008 | 0 | 11 | R 597 | 2 | 92 | 10 | 167 | R 868 | 0 | – – | – – | 3,700 | – – | – – | – – |
| 2009 | 0 | 11 | 874 | (s) | 90 | 10 | 155 | 1,131 | 0 | – – | – – | 3,691 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 1.8 | 8.0 | 0.1 | 0.2 | 0.1 | 7.8 | 16.3 | NA | (s) | NA | 1.3 | 19.6 | 3.2 | 22.7 |
| 1965 | 0.1 | 2.7 | 7.1 | 0.1 | 0.2 | 0.2 | 4.0 | 11.5 | NA | (s) | NA | 1.9 | 16.2 | 4.4 | 20.6 |
| 1970 | 0.1 | 5.2 | 8.5 | (s) | 0.2 | 0.2 | 6.1 | 15.1 | NA | (s) | NA | 4.4 | 24.8 | 10.6 | 35.4 |
| 1975 | 0.1 | 4.3 | 7.9 | (s) | 0.2 | 0.2 | 3.8 | 12.1 | NA | (s) | NA | 5.4 | 21.9 | 12.9 | 34.8 |
| 1980 | 0.1 | 6.9 | 3.6 | 0.0 | 0.2 | 0.3 | 1.1 | 5.1 | NA | 0.2 | NA | 6.5 | 18.7 | R 15.5 | 34.2 |
| 1985 | 0.1 | 7.8 | 2.9 | (s) | 0.4 | 0.2 | 3.5 | 6.9 | NA | 0.1 | NA | 7.4 | 22.3 | R 16.9 | R 39.2 |
| 1990 | 0.1 | 8.3 | 4.7 | (s) | 0.4 | 0.2 | 3.8 | 9.0 | 0.0 | 0.3 | 0.0 | 9.2 | 26.9 | R 21.0 | R 47.9 |
| 1995 | 0.1 | 12.4 | 4.3 | 0.2 | 0.4 | 0.1 | 3.1 | 8.1 | 0.0 | 0.5 | 0.0 | 9.5 | 30.5 | R 21.5 | R 52.0 |
| 1996 | 0.1 | 13.5 | 4.7 | (s) | 0.5 | 0.1 | 4.2 | 9.5 | 0.0 | 0.5 | 0.0 | 9.5 | 33.0 | R 21.4 | R 54.4 |
| 1997 | 0.1 | 12.7 | 4.3 | 0.3 | 0.5 | 0.1 | 3.8 | 9.0 | 0.0 | 0.4 | 0.0 | 9.8 | 32.0 | R 22.1 | R 54.0 |
| 1998 | 0.1 | 11.8 | 3.6 | 0.4 | 0.5 | 0.1 | 2.4 | 7.0 | 0.0 | 0.4 | 0.0 | 9.9 | 29.1 | R 22.4 | R 51.5 |
| 1999 | (s) | 12.2 | 3.0 | 0.2 | 0.4 | (s) | 2.3 | 5.9 | 0.0 | 0.4 | 0.0 | 11.3 | 29.9 | R 25.8 | R 55.6 |
| 2000 | (s) | 13.6 | 3.7 | 0.1 | 0.4 | 0.1 | 2.6 | 6.8 | 0.0 | 0.4 | 0.0 | 11.1 | 31.9 | R 25.0 | R 57.0 |
| 2001 | (s) | 13.2 | 3.7 | 0.6 | 0.3 | 0.2 | 2.7 | 7.5 | 0.0 | 0.3 | 0.0 | 11.3 | 32.3 | R 25.0 | R 57.4 |
| 2002 | 0.1 | 11.8 | 3.9 | 0.3 | 0.4 | 0.3 | 2.3 | 7.2 | 0.0 | 0.3 | 0.0 | 11.6 | 31.0 | R 25.7 | R 56.7 |
| 2003 | 0.1 | 11.7 | 5.7 | (s) | 0.5 | 0.3 | 2.3 | 8.9 | 0.0 | 0.4 | 0.0 | 11.9 | 32.9 | R 26.1 | R 59.0 |
| 2004 | 0.1 | 11.6 | 5.0 | (s) | 0.4 | 0.1 | 2.5 | 8.0 | 0.0 | 0.4 | 0.0 | 12.1 | 32.1 | R 26.6 | R 58.7 |
| 2005 | 0.1 | 11.3 | 4.0 | 0.1 | 0.4 | 0.1 | 2.7 | 7.2 | 0.0 | R 0.1 | 0.0 | 12.4 | R 31.1 | R 26.9 | R 58.0 |
| 2006 | (s) | 10.1 | 3.5 | 0.1 | 0.3 | 0.1 | 1.6 | 5.5 | 0.0 | R 0.1 | 0.0 | 12.3 | R 28.1 | R 26.4 | R 54.5 |
| 2007 | (s) | 11.7 | 4.0 | (s) | 0.3 | 0.1 | 1.5 | 5.9 | 0.0 | R 0.1 | 0.0 | 12.7 | R 30.4 | R 27.2 | R 57.5 |
| 2008 | 0.0 | 11.1 | R 3.5 | (s) | 0.3 | 0.1 | 1.1 | 4.9 | 0.0 | R 0.1 | 0.0 | 12.6 | R 28.7 | R 27.0 | R 55.8 |
| 2009 | 0.0 | 11.0 | 5.1 | (s) | 0.3 | 0.1 | 1.0 | 6.4 | 0.0 | 0.1 | 0.0 | 12.6 | 30.1 | 26.5 | 56.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 4 | 3 | 367 | 31 | 6 | 4,051 | 1,107 | 5,561 | 1 | – – | – – | – – | 916 | – – | – – | – – |
| 1965 | 4 | 4 | 431 | 61 | 5 | 2,135 | 1,449 | 4,082 | (s) | – – | – – | – – | 1,274 | – – | – – | – – |
| 1970 | 2 | 6 | 672 | 162 | 3 | 3,246 | 1,388 | 5,470 | 0 | – – | – – | – – | 1,253 | – – | – – | – – |
| 1975 | 2 | 6 | 440 | 297 | 3 | 1,916 | 1,559 | 4,215 | 0 | – – | – – | – – | 1,191 | – – | – – | – – |
| 1980 | 4 | 5 | 415 | 149 | 2 | 654 | 1,672 | 2,892 | 0 | – – | – – | – – | 1,399 | – – | – – | – – |
| 1985 | 4 | 5 | 275 | 150 | 26 | 973 | 3,158 | 4,584 | 0 | – – | – – | – – | 1,300 | – – | – – | – – |
| 1990 | (s) | 4 | 279 | 156 | 35 | 453 | 1,770 | 2,692 | 0 | – – | – – | – – | 1,354 | – – | – – | – – |
| 1995 | 0 | 35 | 280 | 119 | 54 | 372 | 1,072 | 1,898 | 0 | – – | – – | – – | 1,374 | – – | – – | – – |
| 1996 | 0 | 26 | 294 | 112 | 47 | 315 | 437 | 1,204 | 0 | – – | – – | – – | 1,351 | – – | – – | – – |
| 1997 | 0 | 24 | 342 | 38 | 51 | 295 | 375 | 1,102 | 0 | – – | – – | – – | 1,386 | – – | – – | – – |
| 1998 | 0 | 42 | 249 | 43 | 45 | 294 | 405 | 1,035 | 0 | – – | – – | – – | 1,458 | – – | – – | – – |
| 1999 | 0 | 35 | 235 | 197 | 24 | 266 | 440 | 1,161 | 0 | – – | – – | – – | 1,158 | – – | – – | – – |
| 2000 | 0 | 8 | 165 | 118 | 33 | 257 | 308 | 881 | 0 | – – | – – | – – | 1,394 | – – | – – | – – |
| 2001 | 0 | 6 | 120 | 144 | 82 | 204 | 299 | 849 | 0 | – – | – – | – – | 1,386 | – – | – – | – – |
| 2002 | 0 | 4 | 151 | 207 | 104 | 249 | 286 | 998 | 0 | – – | – – | – – | 1,331 | – – | – – | – – |
| 2003 | 0 | 4 | 236 | 104 | 104 | 310 | 423 | 1,177 | 0 | – – | – – | – – | 1,309 | – – | – – | – – |
| 2004 | 0 | 6 | 251 | 75 | 104 | 276 | 263 | 968 | 0 | – – | – – | – – | 1,345 | – – | – – | – – |
| 2005 | 0 | 6 | 204 | 140 | 105 | 291 | 427 | 1,167 | 0 | – – | – – | – – | 1,250 | – – | – – | – – |
| 2006 | 0 | 6 | 216 | 157 | 115 | 217 | R 400 | R 1,105 | 0 | – – | – – | – – | 1,191 | – – | – – | – – |
| 2007 | 0 | 7 | 164 | 117 | 154 | 175 | R 97 | R 706 | 0 | – – | – – | – – | 1,171 | – – | – – | – – |
| 2008 | 0 | 7 | R 99 | 85 | 156 | 79 | R 1,357 | R 1,776 | 0 | – – | – – | – – | 1,075 | – – | – – | – – |
| 2009 | 0 | 8 | 166 | 85 | 148 | 237 | 1,156 | 1,792 | 0 | – – | – – | – – | 990 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.1 | 3.0 | 2.1 | 0.1 | (s) | 25.5 | 7.1 | 34.8 | (s) | 1.8 | NA | NA | 3.1 | 42.8 | 7.7 | 50.5 |
| 1965 | 0.1 | 4.4 | 2.5 | 0.2 | (s) | 13.4 | 9.1 | 25.3 | (s) | 2.6 | NA | NA | 4.3 | 36.8 | 10.4 | 47.2 |
| 1970 | (s) | 5.9 | 3.9 | 0.6 | (s) | 20.4 | 8.8 | 33.7 | 0.0 | 4.0 | NA | NA | 4.3 | 47.9 | 10.3 | 58.3 |
| 1975 | 0.1 | 5.9 | 2.6 | 1.1 | (s) | 12.0 | 10.1 | 25.9 | 0.0 | 2.7 | NA | NA | 4.1 | 38.6 | R 9.7 | R 48.3 |
| 1980 | 0.1 | 5.2 | 2.4 | 0.5 | (s) | 4.1 | 10.4 | 17.5 | 0.0 | 0.0 | NA | NA | 4.8 | 27.5 | 11.5 | 39.0 |
| 1985 | 0.1 | 4.8 | 1.6 | 0.5 | 0.1 | 6.1 | 20.8 | 29.2 | 0.0 | 0.0 | 0.0 | NA | 4.4 | 38.5 | 10.2 | R 48.6 |
| 1990 | (s) | 4.5 | 1.6 | 0.6 | 0.2 | 2.8 | 11.6 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 25.9 | R 10.6 | R 36.5 |
| 1995 | 0.0 | 36.0 | 1.6 | 0.4 | 0.3 | 2.3 | 7.1 | 11.7 | 0.0 | 0.2 | 0.0 | 0.0 | 4.7 | 52.6 | 10.6 | R 63.2 |
| 1996 | 0.0 | 28.4 | 1.7 | 0.4 | 0.2 | 2.0 | 2.8 | 7.2 | 0.0 | 0.3 | 0.0 | 0.0 | 4.6 | 40.4 | R 10.4 | 50.9 |
| 1997 | 0.0 | 25.4 | 2.0 | 0.1 | 0.3 | 1.9 | 2.4 | 6.7 | 0.0 | 0.3 | 0.0 | 0.0 | 4.7 | 37.0 | R 10.6 | R 47.6 |
| 1998 | 0.0 | 43.4 | 1.4 | 0.2 | 0.2 | 1.8 | 2.6 | 6.3 | 0.0 | 0.2 | 0.0 | 0.0 | 5.0 | 54.9 | R 11.2 | R 66.1 |
| 1999 | 0.0 | 35.6 | 1.4 | 0.7 | 0.1 | 1.7 | 2.8 | 6.7 | 0.0 | 0.3 | 0.0 | 0.0 | 4.0 | 46.4 | 9.0 | R 55.4 |
| 2000 | 0.0 | 8.4 | 1.0 | 0.4 | 0.2 | 1.6 | 2.0 | 5.1 | 0.0 | 0.2 | 0.0 | 0.0 | 4.8 | 18.5 | 10.8 | 29.3 |
| 2001 | 0.0 | 6.3 | 0.7 | 0.5 | 0.4 | 1.3 | 1.9 | 4.8 | 0.0 | 0.2 | 0.0 | 0.0 | 4.7 | 16.1 | 10.5 | 26.6 |
| 2002 | 0.0 | 4.6 | 0.9 | 0.7 | 0.5 | 1.6 | 1.8 | 5.5 | 0.0 | 0.1 | 0.0 | 0.0 | 4.5 | 14.7 | 10.1 | R 24.8 |
| 2003 | 0.0 | 4.6 | 1.4 | 0.4 | 0.5 | 2.0 | 2.7 | 7.0 | 0.0 | 0.1 | 0.0 | 0.0 | 4.5 | 16.1 | R 9.8 | 25.9 |
| 2004 | 0.0 | 5.7 | 1.5 | 0.3 | 0.5 | 1.7 | 1.7 | 5.7 | 0.0 | 0.1 | 0.0 | 0.0 | 4.6 | 16.0 | R 10.1 | R 26.1 |
| 2005 | 0.0 | 6.0 | 1.2 | 0.5 | 0.5 | 1.8 | 2.8 | 6.8 | 0.0 | 0.1 | 0.0 | 0.0 | 4.3 | 17.2 | 9.3 | 26.5 |
| 2006 | 0.0 | 6.5 | 1.3 | 0.6 | 0.6 | 1.4 | R 2.6 | R 6.4 | 0.0 | 0.1 | 0.0 | 0.0 | 4.1 | 17.0 | R 8.7 | R 25.7 |
| 2007 | 0.0 | 7.0 | 1.0 | 0.4 | 0.8 | 1.1 | R 0.6 | 3.8 | 0.0 | 0.1 | 0.0 | 0.0 | 4.0 | 14.9 | 8.6 | R 23.4 |
| 2008 | 0.0 | 6.9 | 0.6 | 0.3 | 0.8 | 0.5 | 8.9 | 11.1 | 0.0 | 0.1 | 0.0 | 0.0 | 3.7 | R 21.8 | 7.9 | 29.6 |
| 2009 | 0.0 | 7.9 | 1.0 | 0.3 | 0.8 | 1.5 | 7.6 | 11.1 | 0.0 | 0.1 | 0.0 | 0.0 | 3.4 | 22.5 | 7.1 | 29.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | (s) | 19 | 838 | 38 | 1 | 103 | 5,943 | 3,826 | 10,768 | 0 | – – | – – | – – |
| 1965 | (s) | (s) | 63 | 393 | 49 | 4 | 69 | 6,455 | 2,637 | 9,669 | 0 | – – | – – | – – |
| 1970 | (s) | (s) | 148 | 604 | 137 | 28 | 77 | 7,970 | 2,519 | 11,482 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 285 | 788 | 271 | 27 | 57 | 8,929 | 329 | 10,685 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 269 | 675 | 348 | 9 | 70 | 8,365 | 58 | 9,794 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 30 | 334 | 498 | 22 | 64 | 8,606 | 0 | 9,554 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 42 | 1,154 | 776 | 19 | 72 | 8,692 | 34 | 10,789 | 0 | – – | – – | – – |
| 1995 | 0 | 1 | 22 | 1,328 | 500 | 8 | 68 | 8,864 | 2 | 10,792 | 0 | – – | – – | – – |
| 1996 | 0 | 1 | 37 | 1,290 | 540 | 7 | 66 | 8,950 | 2 | 10,892 | 0 | – – | – – | – – |
| 1997 | 0 | 1 | 11 | 1,941 | 828 | 9 | 70 | 9,133 | 1 | 11,993 | 0 | – – | – – | – – |
| 1998 | 0 | (s) | 9 | 1,397 | 920 | 1 | 73 | 9,337 | 1 | 11,738 | 0 | – – | – – | – – |
| 1999 | 0 | (s) | 11 | 1,517 | 1,057 | 3 | 74 | 9,559 | 3 | 12,224 | 0 | – – | – – | – – |
| 2000 | 0 | (s) | 13 | 1,364 | 1,283 | 2 | 73 | 9,425 | 5 | 12,165 | 0 | – – | – – | – – |
| 2001 | 0 | (s) | 14 | 1,395 | 1,304 | 1 | 67 | 9,491 | 0 | 12,273 | 0 | – – | – – | – – |
| 2002 | 0 | (s) | 7 | 1,477 | 1,286 | 2 | 66 | 9,289 | 0 | 12,127 | 0 | – – | – – | – – |
| 2003 | 0 | (s) | 7 | 1,440 | 1,056 | 9 | 61 | 9,312 | 0 | 11,884 | 0 | – – | – – | – – |
| 2004 | 0 | (s) | 12 | 1,491 | 1,035 | 7 | 62 | 8,993 | 0 | 11,599 | 0 | – – | – – | – – |
| 2005 | 0 | 1 | 12 | 1,527 | 825 | 6 | 62 | 9,100 | 0 | 11,531 | 0 | – – | – – | – – |
| 2006 | 0 | 1 | 22 | 1,609 | 593 | 5 | 60 | 9,729 | 4 | 12,022 | 0 | – – | – – | – – |
| 2007 | 0 | 1 | 22 | 1,930 | 335 | 3 | 62 | 9,565 | 2 | 11,919 | 0 | – – | – – | – – |
| 2008 | 0 | 1 | 11 | R 1,562 | 300 | 7 | 57 | 9,561 | 3 | R 11,500 | 0 | – – | – – | – – |
| 2009 | 0 | 1 | 7 | 1,508 | 694 | 6 | 52 | 9,314 | 175 | 11,755 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | 0.2 | 0.1 | 4.9 | 0.2 | (s) | 0.6 | 31.2 | 24.1 | 61.1 | 0.0 | 61.3 | 0.0 | 61.3 |
| 1965 | (s) | 0.1 | 0.3 | 2.3 | 0.3 | (s) | 0.4 | 33.9 | 16.6 | 53.8 | 0.0 | 53.9 | 0.0 | 53.9 |
| 1970 | (s) | (s) | 0.7 | 3.5 | 0.8 | 0.1 | 0.5 | 41.9 | 15.8 | 63.3 | 0.0 | 63.3 | 0.0 | 63.3 |
| 1975 | (s) | (s) | 1.4 | 4.6 | 1.5 | 0.1 | 0.3 | 46.9 | 2.1 | 57.0 | 0.0 | 57.0 | 0.0 | 57.0 |
| 1980 | 0.0 | 0.2 | 1.4 | 3.9 | 2.0 | (s) | 0.4 | 43.9 | 0.4 | 52.0 | 0.0 | 52.2 | 0.0 | 52.2 |
| 1985 | 0.0 | 0.1 | 0.2 | 1.9 | 2.8 | 0.1 | 0.4 | 45.2 | 0.0 | 50.6 | 0.0 | 50.7 | 0.0 | 50.7 |
| 1990 | 0.0 | 0.1 | 0.2 | 6.7 | 4.4 | 0.1 | 0.4 | 45.7 | 0.2 | 57.7 | 0.0 | 57.8 | 0.0 | 57.8 |
| 1995 | 0.0 | 0.6 | 0.1 | 7.7 | 2.8 | (s) | 0.4 | 46.2 | (s) | 57.4 | 0.0 | 58.0 | 0.0 | 58.0 |
| 1996 | 0.0 | 0.8 | 0.2 | 7.5 | 3.1 | (s) | 0.4 | 46.7 | (s) | 57.9 | 0.0 | 58.7 | 0.0 | 58.7 |
| 1997 | 0.0 | 0.9 | 0.1 | 11.3 | 4.7 | (s) | 0.4 | 47.6 | (s) | 64.1 | 0.0 | 65.0 | 0.0 | 65.0 |
| 1998 | 0.0 | 0.4 | (s) | 8.1 | 5.2 | (s) | 0.4 | 48.7 | (s) | 62.5 | 0.0 | 62.9 | 0.0 | 62.9 |
| 1999 | 0.0 | 0.3 | 0.1 | 8.8 | 6.0 | (s) | 0.4 | 49.8 | (s) | 65.2 | 0.0 | 65.5 | 0.0 | 65.5 |
| 2000 | 0.0 | 0.3 | 0.1 | 7.9 | 7.3 | (s) | 0.4 | 49.1 | (s) | 64.9 | 0.0 | 65.2 | 0.0 | 65.2 |
| 2001 | 0.0 | 0.3 | 0.1 | 8.1 | 7.4 | (s) | 0.4 | 49.4 | 0.0 | 65.5 | 0.0 | 65.8 | 0.0 | 65.8 |
| 2002 | 0.0 | 0.4 | (s) | 8.6 | 7.3 | (s) | 0.4 | 48.4 | 0.0 | 64.7 | 0.0 | 65.1 | 0.0 | 65.1 |
| 2003 | 0.0 | 0.4 | (s) | 8.4 | 6.0 | (s) | 0.4 | 48.5 | 0.0 | 63.3 | 0.0 | 63.7 | 0.0 | 63.7 |
| 2004 | 0.0 | 0.4 | 0.1 | 8.7 | 5.9 | (s) | 0.4 | 46.9 | 0.0 | 61.9 | 0.0 | 62.3 | 0.0 | 62.3 |
| 2005 | 0.0 | 0.8 | 0.1 | 8.9 | 4.7 | (s) | 0.4 | 47.5 | 0.0 | 61.5 | 0.0 | 62.4 | 0.0 | 62.4 |
| 2006 | 0.0 | 1.0 | 0.1 | 9.4 | 3.4 | (s) | 0.4 | 50.8 | (s) | 64.0 | 0.0 | 65.0 | 0.0 | 65.0 |
| 2007 | 0.0 | 1.0 | 0.1 | 11.2 | 1.9 | (s) | 0.4 | 49.9 | (s) | 63.6 | 0.0 | 64.6 | 0.0 | 64.6 |
| 2008 | 0.0 | 1.0 | 0.1 | R 9.1 | 1.7 | (s) | 0.3 | 49.9 | (s) | R 61.1 | 0.0 | R 62.1 | 0.0 | R 62.1 |
| 2009 | 0.0 | 1.0 | (s) | 8.8 | 3.9 | (s) | 0.3 | 48.6 | 1.1 | 62.8 | 0.0 | 63.8 | 0.0 | 63.8 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Rhode Island

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 574 | (s) | 714 | 13 | 0 | 727 | 0 | 8 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 403 | (s) | 870 | 16 | 0 | 886 | 0 | 1 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 0 | 2 | 2,990 | 56 | 0 | 3,047 | 0 | 3 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 0 | (s) | 1,542 | 26 | 0 | 1,568 | 0 | 3 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 0 | 2 | 1,634 | 28 | 0 | 1,662 | 0 | 1 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 0 | 3 | 708 | 20 | 0 | 728 | 0 | 0 | – – | 0 | 0 | 0 | 421 | – – |
| 1990 | 0 | 9 | 340 | 19 | 0 | 358 | 0 | 10 | – – | 0 | 0 | 0 | 37 | – – |
| 1995 | 0 | 36 | 63 | 24 | 0 | 87 | 0 | 9 | – – | 0 | 0 | 0 | 1,276 | – – |
| 1996 | 0 | 62 | 0 | 137 | 0 | 137 | 0 | 10 | – – | 0 | 0 | 0 | 1,325 | – – |
| 1997 | 0 | 62 | 0 | 72 | 0 | 72 | 0 | 8 | – – | 0 | 0 | 0 | 1,699 | – – |
| 1998 | 0 | 60 | 0 | 47 | 0 | 47 | 0 | 9 | – – | 0 | 0 | 0 | 1,759 | – – |
| 1999 | 0 | 55 | 0 | 43 | 0 | 43 | 0 | 6 | – – | 0 | 0 | 0 | 1,934 | – – |
| 2000 | 0 | 48 | 0 | 39 | 0 | 39 | 0 | 5 | – – | 0 | 0 | 0 | 1,585 | – – |
| 2001 | 0 | 58 | 0 | 43 | 0 | 43 | 0 | 3 | – – | 0 | 0 | 0 | 766 | – – |
| 2002 | 0 | 54 | 0 | 31 | 0 | 31 | 0 | 4 | – – | 0 | 0 | 0 | 326 | – – |
| 2003 | 0 | 42 | 0 | 29 | 0 | 29 | 0 | 6 | – – | 0 | 0 | 0 | 106 | – – |
| 2004 | 0 | 36 | 0 | 22 | 0 | 22 | 0 | 5 | – – | 0 | 0 | 0 | 302 | – – |
| 2005 | 0 | 44 | 0 | 27 | 0 | 27 | 0 | 7 | – – | 0 | 0 | 0 | 347 | – – |
| 2006 | 0 | 43 | 0 | 25 | 0 | 25 | 0 | 6 | – – | 0 | 0 | 0 | 320 | – – |
| 2007 | 0 | 51 | 0 | 35 | 0 | 35 | 0 | 4 | – – | 0 | 0 | 0 | 415 | – – |
| 2008 | 0 | 53 | 0 | 38 | 0 | 38 | 0 | 5 | – – | 0 | 0 | 0 | R 602 | – – |
| 2009 | 0 | 55 | 0 | 23 | 0 | 23 | 0 | 5 | – – | 0 | 0 | 0 | 736 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 16.1 | 0.4 | 4.5 | 0.1 | 0.0 | 4.6 | 0.0 | 0.1 | 0.0 | 0.0 | NA | NA | 0.0 | 21.2 |
| 1965 | 11.1 | 0.5 | 5.5 | 0.1 | 0.0 | 5.6 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 17.1 |
| 1970 | 0.0 | 2.4 | 18.8 | 0.3 | 0.0 | 19.1 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 21.5 |
| 1975 | 0.0 | (s) | 9.7 | 0.2 | 0.0 | 9.8 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 9.9 |
| 1980 | 0.0 | 1.7 | 10.3 | 0.2 | 0.0 | 10.4 | 0.0 | (s) | 0.0 | 0.0 | NA | NA | 0.0 | 12.2 |
| 1985 | 0.0 | 2.6 | 4.4 | 0.1 | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 8.6 |
| 1990 | 0.0 | 9.3 | 2.1 | 0.1 | 0.0 | 2.2 | 0.0 | 0.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 12.8 |
| 1995 | 0.0 | 36.6 | 0.4 | 0.1 | 0.0 | 0.5 | 0.0 | 0.1 | 1.0 | 0.0 | 0.0 | 0.0 | 4.4 | 42.6 |
| 1996 | 0.0 | 63.8 | 0.0 | 0.8 | 0.0 | 0.8 | 0.0 | 0.1 | 1.2 | 0.0 | 0.0 | 0.0 | 4.5 | 70.4 |
| 1997 | 0.0 | 62.7 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 0.1 | 1.1 | 0.0 | 0.0 | 0.0 | 5.8 | 70.2 |
| 1998 | 0.0 | 61.5 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.1 | 1.3 | 0.0 | 0.0 | 0.0 | 6.0 | 69.2 |
| 1999 | 0.0 | 55.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.1 | 1.5 | 0.0 | 0.0 | 0.0 | 6.6 | 64.0 |
| 2000 | 0.0 | 49.9 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | (s) | 1.4 | 0.0 | 0.0 | 0.0 | 5.4 | 57.0 |
| 2001 | 0.0 | 60.3 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | (s) | 1.3 | 0.0 | 0.0 | 0.0 | 2.6 | 64.5 |
| 2002 | 0.0 | 55.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | (s) | 1.3 | 0.0 | 0.0 | 0.0 | 1.1 | 57.5 |
| 2003 | 0.0 | 42.9 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.1 | 1.2 | 0.0 | 0.0 | 0.0 | 0.4 | 44.7 |
| 2004 | 0.0 | 36.7 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 1.2 | 0.0 | 0.0 | 0.0 | 1.0 | 39.2 |
| 2005 | 0.0 | 44.8 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 46.3 |
| 2006 | 0.0 | 43.8 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 1.8 | 0.0 | 0.0 | 0.0 | 1.1 | 46.9 |
| 2007 | 0.0 | 52.7 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | (s) | 1.9 | 0.0 | 0.0 | 0.0 | 1.4 | 56.3 |
| 2008 | 0.0 | 54.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | (s) | 2.0 | 0.0 | 0.0 | 0.0 | R 2.1 | R 58.4 |
| 2009 | 0.0 | 56.6 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | (s) | 1.8 | 0.0 | 0.0 | 0.0 | 2.5 | 61.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, South Carolina

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 3,719 | 59 | 5,234 | 3,131 | 1,376 | 18,094 | 4,732 | 7,095 | 39,661 | 0 | 3,611 | NA |
| 1965 | 4,760 | 87 | 4,849 | 2,958 | 2,097 | 21,430 | 3,916 | 6,094 | 41,344 | 75 | 3,517 | NA |
| 1970 | 5,817 | 160 | 9,423 | 3,170 | 2,927 | 28,756 | 5,335 | 5,724 | 55,335 | 7 | 2,293 | NA |
| 1971 | 6,320 | 156 | 9,040 | 3,258 | 3,031 | 30,506 | 5,554 | 6,537 | 57,926 | 2,414 | 3,485 | NA |
| 1972 | 7,239 | 144 | 9,849 | 3,108 | 3,415 | 32,847 | 6,362 | 5,931 | 61,511 | 4,829 | 3,347 | NA |
| 1973 | 6,968 | 153 | 10,719 | 2,794 | 3,384 | 34,554 | 9,410 | 5,710 | 66,570 | 6,166 | 3,908 | NA |
| 1974 | 6,514 | 132 | 9,589 | 2,800 | 2,957 | 34,467 | 9,575 | 5,574 | 64,962 | 11,057 | 3,455 | NA |
| 1975 | 5,842 | 123 | 8,376 | 2,692 | 3,204 | 35,429 | 7,666 | 5,048 | 62,415 | 19,458 | 4,413 | NA |
| 1976 | 7,053 | 149 | 10,511 | 2,562 | 3,652 | 37,409 | 11,626 | 5,933 | 71,694 | 17,850 | 3,414 | NA |
| 1977 | 7,959 | 139 | 13,141 | 2,732 | 3,742 | 38,220 | 13,151 | 6,523 | 77,510 | 17,239 | 3,050 | NA |
| 1978 | 7,988 | 118 | 11,132 | 2,854 | 3,734 | 39,996 | 13,193 | 6,679 | 77,589 | 19,457 | 3,207 | NA |
| 1979 | 8,399 | 119 | 11,918 | 2,941 | 2,968 | 37,899 | 10,928 | 6,987 | 73,642 | 18,220 | 3,959 | NA |
| 1980 | 9,929 | 142 | 10,660 | 3,062 | 3,178 | 35,517 | 7,205 | 7,462 | 67,083 | 17,404 | 3,025 | NA |
| 1981 | 10,858 | 142 | 9,822 | 2,865 | 2,826 | 35,600 | 5,349 | 7,837 | 64,299 | 17,327 | 1,257 | 40 |
| 1982 | 10,989 | 98 | 9,485 | 2,745 | 2,606 | 35,446 | 3,133 | 6,279 | 59,694 | 13,156 | 2,429 | 142 |
| 1983 | 9,362 | 102 | 10,553 | 2,529 | 2,621 | 35,896 | 3,933 | 6,127 | 61,659 | 25,581 | 3,098 | 2 |
| 1984 | 9,768 | 108 | 11,645 | 3,080 | 2,520 | 37,133 | 5,013 | 6,827 | 66,219 | 23,235 | 3,177 | (s) |
| 1985 | 10,479 | 97 | 12,256 | 3,184 | 3,161 | 37,719 | 2,921 | 7,035 | 66,274 | 31,826 | 1,835 | 1 |
| 1986 | 10,461 | 99 | 11,995 | 3,168 | 2,880 | 39,283 | 2,401 | 7,944 | 67,670 | 35,625 | 1,266 | 34 |
| 1987 | 11,701 | 106 | 12,488 | 3,193 | 3,620 | 38,522 | 2,458 | 9,072 | 69,353 | 39,290 | 2,209 | 92 |
| 1988 | 11,937 | 112 | 13,218 | 3,229 | 3,536 | 42,828 | 3,274 | 10,154 | 76,239 | 40,746 | 680 | 249 |
| 1989 | 11,981 | 117 | 12,711 | 3,117 | 3,672 | 42,171 | 2,719 | 8,901 | 73,292 | 40,780 | 2,041 | 238 |
| 1990 | 11,447 | 130 | 14,866 | 2,939 | 2,914 | 43,264 | 2,416 | 8,274 | 74,674 | 42,881 | 3,298 | 148 |
| 1991 | 11,451 | 134 | 16,237 | 3,442 | 3,606 | 42,561 | 2,419 | 10,082 | 78,347 | 43,108 | 3,111 | (s) |
| 1992 | 11,285 | 138 | 14,033 | 2,586 | 3,597 | 43,441 | 2,368 | 10,702 | 76,726 | 45,537 | 3,310 | 0 |
| 1993 | 12,914 | 142 | 13,548 | 2,024 | 3,660 | 45,081 | 3,763 | 10,592 | 78,667 | 46,189 | 2,950 | 0 |
| 1994 | 12,993 | 144 | 15,297 | 1,451 | 3,871 | 45,249 | 2,568 | 10,115 | 78,553 | 44,466 | 3,035 | 0 |
| 1995 | 12,279 | 152 | 14,501 | 1,027 | 3,826 | 46,973 | 2,649 | 10,680 | 79,656 | 49,173 | 3,457 | 0 |
| 1996 | 13,852 | 150 | 15,174 | 1,292 | 3,666 | 47,427 | 2,984 | 5,887 | 76,430 | 43,571 | 3,041 | 0 |
| 1997 | 14,109 | 154 | 15,815 | 1,328 | 6,150 | 49,468 | 2,590 | 6,961 | 82,313 | 44,916 | 2,958 | 0 |
| 1998 | 14,649 | 159 | 18,227 | 1,438 | 4,601 | 51,216 | 2,212 | 7,188 | 84,881 | 48,759 | 3,569 | 0 |
| 1999 | 15,764 | 163 | 18,271 | 1,536 | 3,858 | 52,774 | 1,757 | 7,467 | 85,661 | 50,814 | 1,687 | 0 |
| 2000 | 16,946 | 160 | 18,879 | 1,861 | 5,038 | 53,040 | 2,324 | 7,431 | 88,573 | 50,888 | 1,533 | 0 |
| 2001 | 16,421 | 142 | 19,389 | 1,851 | 3,563 | 53,822 | 2,178 | 14,311 | 95,113 | 49,870 | 1,225 | 0 |
| 2002 | 16,263 | 185 | 19,240 | 1,548 | 3,362 | 55,222 | 2,079 | 13,451 | 94,902 | 53,326 | 1,390 | 0 |
| 2003 | 16,697 | 147 | 18,968 | 1,459 | 3,152 | 55,935 | 3,816 | 14,130 | 97,459 | 50,418 | 3,665 | 0 |
| 2004 | 17,351 | 164 | 22,074 | 1,656 | 3,117 | 61,691 | 5,540 | 18,103 | 112,181 | 51,201 | 2,447 | 0 |
| 2005 | 17,296 | 172 | 21,547 | 1,609 | 3,607 | 59,302 | 5,039 | 16,848 | 107,951 | 53,138 | 2,938 | 353 |
| 2006 | 17,288 | 175 | 21,812 | 1,805 | 3,243 | 61,779 | 3,589 | R 15,284 | R 107,512 | 50,797 | 1,807 | 520 |
| 2007 | 17,794 | 176 | 21,880 | 1,881 | 2,858 | 61,328 | 3,226 | R 13,607 | R 104,780 | 53,200 | 1,556 | 777 |
| 2008 | 18,040 | 170 | R 20,614 | 1,751 | 3,088 | 62,353 | 2,539 | R 12,162 | R 102,507 | 51,763 | 1,123 | 4,234 |
| 2009 | 14,971 | 191 | 18,981 | 1,076 | 2,697 | 65,585 | 2,882 | 12,496 | 103,718 | 52,150 | 2,332 | 5,415 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 96.4 | 60.6 | 30.5 | 16.8 | 5.5 | 95.0 | 29.7 | 41.9 | 219.5 | 376.4 | *60.6* | *95.0* |
| 1965 | 121.5 | 90.5 | 28.2 | 15.8 | 8.4 | 112.6 | 24.6 | 36.1 | 225.8 | 437.8 | *90.5* | *112.6* |
| 1970 | 140.1 | 164.3 | 54.9 | 17.1 | 11.1 | 151.1 | 33.5 | 34.5 | 302.2 | 606.6 | *164.3* | *151.1* |
| 1971 | 152.0 | 160.6 | 52.7 | 17.6 | 11.4 | 160.2 | 34.9 | 39.0 | 315.8 | 628.5 | *160.6* | *160.2* |
| 1972 | 174.9 | 148.2 | 57.4 | 16.8 | 12.8 | 172.5 | 40.0 | 35.7 | 335.2 | 658.3 | *148.2* | *172.5* |
| 1973 | 167.9 | 157.1 | 62.4 | 15.1 | 12.7 | 181.5 | 59.2 | 34.5 | 365.3 | 690.4 | *157.1* | *181.5* |
| 1974 | 155.3 | 135.3 | 55.9 | 15.1 | 11.0 | 181.1 | 60.2 | 34.2 | 357.4 | 648.0 | *135.3* | *181.1* |
| 1975 | 140.2 | 125.9 | 48.8 | 14.5 | 11.9 | 186.1 | 48.2 | 31.0 | 340.5 | 606.6 | *125.9* | *186.1* |
| 1976 | 171.0 | 152.4 | 61.2 | 13.8 | 13.6 | 196.5 | 73.1 | 35.5 | 393.8 | 717.2 | *152.4* | *196.5* |
| 1977 | 189.6 | 141.6 | 76.5 | 14.8 | 13.8 | 200.8 | 82.7 | 39.0 | 427.6 | 758.8 | *141.6* | *200.8* |
| 1978 | 192.3 | 121.3 | 64.8 | 15.5 | 13.7 | 210.1 | 82.9 | 40.0 | 427.0 | 740.7 | *121.3* | *210.1* |
| 1979 | 206.8 | 121.5 | 69.4 | 15.9 | 10.9 | 199.1 | 68.7 | 41.3 | 405.3 | 733.6 | *121.5* | *199.1* |
| 1980 | 245.8 | 146.8 | 62.1 | 16.6 | 11.7 | 186.6 | 45.3 | 43.5 | 365.8 | 758.4 | *146.9* | *186.6* |
| 1981 | 266.5 | 145.0 | 57.2 | 15.5 | 10.3 | 187.0 | 33.6 | 45.7 | 349.3 | 760.9 | *145.2* | *187.0* |
| 1982 | 271.5 | 101.0 | 55.3 | 14.8 | 9.4 | 186.2 | 19.7 | 36.6 | 322.0 | 694.5 | *101.0* | *186.2* |
| 1983 | 233.9 | 104.3 | 61.5 | 13.7 | 9.5 | 188.6 | 24.7 | 36.6 | 334.6 | 672.7 | *104.4* | *188.6* |
| 1984 | 244.0 | 111.2 | 67.8 | 16.6 | 9.1 | 195.1 | 31.5 | 39.6 | 359.7 | 714.9 | *111.2* | *195.1* |
| 1985 | 262.7 | 100.1 | 71.4 | 17.2 | 11.4 | 198.1 | 18.4 | 41.0 | 357.5 | 720.2 | *100.2* | *198.1* |
| 1986 | 263.9 | 101.5 | 69.9 | 17.2 | 10.5 | 206.4 | 15.1 | 46.8 | 365.8 | 731.2 | *101.5* | *206.4* |
| 1987 | 295.3 | 108.6 | 72.7 | 17.3 | 13.2 | 202.4 | 15.5 | 53.6 | 374.8 | 778.7 | *108.6* | *202.4* |
| 1988 | 301.8 | 115.1 | 77.0 | 17.5 | 12.9 | 225.0 | 20.6 | 60.7 | 413.7 | 830.6 | *115.3* | *225.0* |
| 1989 | 302.2 | 119.6 | 74.0 | 16.9 | 13.5 | 221.5 | 17.1 | 52.5 | 395.7 | 817.5 | *119.9* | *221.5* |
| 1990 | 289.2 | 134.1 | 86.6 | 16.0 | 10.6 | 227.3 | 15.2 | 48.7 | 404.3 | 827.6 | *134.1* | *227.3* |
| 1991 | 291.0 | 137.4 | 94.6 | 18.7 | 13.0 | 223.6 | 15.2 | 58.3 | 423.4 | 851.7 | *137.4* | *223.6* |
| 1992 | 288.3 | 141.8 | 81.7 | 14.1 | 13.0 | 228.2 | 14.9 | 61.8 | 413.8 | 843.8 | *141.8* | *228.2* |
| 1993 | 329.4 | 145.6 | 78.9 | 11.1 | 13.2 | 236.8 | 23.7 | 61.3 | 424.9 | 900.0 | *145.6* | *236.8* |
| 1994 | 330.8 | 148.7 | 89.1 | 8.1 | 14.1 | 236.7 | 16.1 | 58.2 | 422.3 | 901.8 | *148.9* | *236.7* |
| 1995 | 314.5 | 156.0 | 84.5 | 5.8 | 13.9 | 245.0 | 16.7 | 62.1 | 427.9 | 898.4 | *156.0* | *245.0* |
| 1996 | 352.6 | 153.9 | 88.4 | 7.3 | 13.2 | 247.4 | 18.8 | 36.2 | 411.3 | 917.7 | *154.1* | *247.4* |
| 1997 | 361.4 | 158.7 | 92.1 | 7.5 | 22.2 | 257.9 | 16.3 | 43.5 | 439.5 | 959.6 | *158.7* | *257.9* |
| 1998 | 373.4 | 164.9 | 106.2 | 8.2 | 16.6 | 266.9 | 13.9 | 44.1 | 455.8 | 994.1 | *164.9* | *266.9* |
| 1999 | 402.2 | 168.0 | 106.4 | 8.7 | 13.9 | 275.0 | 11.0 | 45.5 | 460.7 | 1,030.8 | *168.0* | *275.0* |
| 2000 | 432.2 | 165.0 | 110.0 | 10.6 | 18.2 | 276.3 | 14.6 | 46.0 | 475.6 | 1,072.8 | *165.1* | *276.3* |
| 2001 | 414.5 | 147.2 | 112.9 | 10.5 | 12.9 | 280.4 | 13.7 | 83.3 | 513.7 | 1,075.3 | *147.2* | *280.4* |
| 2002 | 404.5 | 190.7 | 112.1 | 8.8 | 12.1 | 287.6 | 13.1 | 78.0 | 511.6 | 1,106.8 | *190.7* | *287.6* |
| 2003 | 419.7 | 151.9 | 110.5 | 8.3 | 11.4 | 291.3 | 24.0 | 82.1 | 527.6 | 1,099.1 | *151.9* | *291.3* |
| 2004 | 433.9 | 169.5 | 128.6 | 9.4 | 11.3 | 321.7 | 34.8 | 105.9 | 611.7 | 1,215.1 | *169.5* | *321.7* |
| 2005 | 431.1 | 178.3 | 125.5 | 9.1 | 13.1 | 308.2 | 31.7 | 98.8 | 586.4 | 1,195.8 | *178.4* | *309.4* |
| 2006 | 432.2 | 181.9 | 127.1 | 10.2 | 11.7 | R 320.6 | 22.6 | R 90.7 | R 582.8 | R 1,196.9 | *182.0* | *322.4* |
| 2007 | 444.0 | 182.2 | 127.5 | 10.7 | 10.3 | R 317.4 | 20.3 | R 80.4 | R 566.4 | R 1,192.7 | *182.2* | *320.1* |
| 2008 | 445.5 | 175.9 | R 120.1 | 9.9 | 11.1 | R 310.7 | 16.0 | R 71.8 | R 539.6 | R 1,160.9 | *175.9* | *325.4* |
| 2009 | 372.0 | 197.0 | 110.6 | 6.1 | 9.6 | 323.5 | 18.1 | 74.0 | 541.8 | 1,110.8 | *197.0* | *342.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 38.8 | 43.1 | NA | NA | 43.1 | 0.0 | NA | NA | 82.0 | 31.1 | 0.0 | 489.5 |
| 1965 | 0.9 | 36.8 | 40.6 | NA | NA | 40.6 | 0.0 | NA | NA | 77.3 | R 39.6 | 0.0 | R 555.6 |
| 1970 | 0.1 | 24.1 | 41.0 | NA | NA | 41.0 | 0.0 | NA | NA | 65.1 | R 75.7 | 0.0 | R 747.5 |
| 1971 | 26.2 | 36.5 | 42.1 | NA | NA | 42.1 | 0.0 | NA | NA | 78.6 | R 49.2 | 0.0 | R 782.4 |
| 1972 | 52.1 | 34.7 | 42.3 | NA | NA | 42.3 | 0.0 | NA | NA | 77.1 | R 50.7 | 0.0 | R 838.1 |
| 1973 | 67.2 | 40.6 | 43.3 | NA | NA | 43.3 | 0.0 | NA | NA | 83.9 | R 48.1 | 0.0 | R 889.6 |
| 1974 | 123.4 | 36.1 | 43.8 | NA | NA | 43.8 | 0.0 | NA | NA | 79.9 | R 11.0 | 0.0 | R 862.3 |
| 1975 | 214.3 | 45.9 | 41.9 | NA | NA | 41.9 | 0.0 | NA | NA | 87.8 | R -64.7 | 0.0 | R 844.0 |
| 1976 | 197.2 | 35.4 | 47.9 | NA | NA | 47.9 | 0.0 | NA | NA | 83.4 | R -26.1 | 0.0 | R 971.6 |
| 1977 | 185.6 | 31.8 | 49.1 | NA | NA | 49.1 | 0.0 | NA | NA | 80.9 | R -16.0 | 0.0 | R 1,009.3 |
| 1978 | 212.9 | 33.2 | 50.6 | NA | NA | 50.6 | 0.0 | NA | NA | 83.9 | R -32.6 | 0.0 | R 1,004.9 |
| 1979 | 198.2 | 41.0 | 50.5 | NA | NA | 50.5 | 0.0 | NA | NA | 91.5 | R -25.5 | 0.0 | R 997.8 |
| 1980 | 189.8 | 31.4 | 39.8 | NA | NA | 39.8 | 0.0 | NA | NA | 71.2 | R -7.0 | 0.0 | R 1,012.3 |
| 1981 | 191.1 | 13.1 | 39.0 | 0.1 | 0.0 | 39.2 | 0.0 | NA | NA | 52.3 | R 14.8 | 0.0 | R 1,019.1 |
| 1982 | 145.7 | 25.4 | 43.7 | 0.5 | 0.0 | R 44.2 | 0.0 | NA | NA | 69.6 | R 75.8 | 0.0 | R 985.6 |
| 1983 | 279.0 | 32.6 | 42.8 | (s) | 0.0 | 42.8 | 0.0 | NA | 0.0 | 75.4 | R -10.3 | 0.0 | R 1,016.8 |
| 1984 | 251.9 | 33.2 | 47.1 | (s) | 0.0 | 47.1 | 0.0 | 0.0 | 0.0 | 80.3 | R 33.9 | 0.0 | R 1,081.1 |
| 1985 | 338.1 | 19.2 | 47.4 | (s) | 0.0 | 47.4 | 0.0 | 0.0 | 0.0 | 66.6 | R -37.1 | 0.0 | R 1,087.8 |
| 1986 | 376.9 | 13.2 | 76.6 | 0.1 | 0.0 | 76.7 | 0.0 | 0.0 | 0.0 | 89.9 | R -41.6 | 0.0 | R 1,156.4 |
| 1987 | 410.3 | 23.0 | 72.6 | 0.3 | 0.0 | 73.0 | 0.0 | 0.0 | 0.0 | 96.0 | R -92.4 | 0.0 | R 1,192.5 |
| 1988 | 432.0 | 7.0 | 75.4 | 0.9 | 0.0 | 76.3 | 0.0 | 0.0 | 0.0 | 83.3 | R -96.4 | 0.0 | R 1,249.5 |
| 1989 | 431.6 | 21.3 | 75.7 | 0.8 | 0.0 | 76.5 | 0.1 | (s) | 0.0 | 97.9 | R -89.0 | 0.0 | R 1,257.9 |
| 1990 | 453.8 | 34.3 | 71.7 | 0.5 | 0.0 | 72.2 | 0.1 | (s) | 0.0 | 106.6 | R -101.4 | 0.0 | R 1,286.6 |
| 1991 | 451.9 | 32.5 | 75.1 | (s) | 0.0 | 75.1 | 0.1 | (s) | 0.0 | 107.7 | R -92.0 | 0.0 | R 1,319.3 |
| 1992 | 476.8 | 34.2 | 76.3 | 0.0 | 0.0 | 76.3 | 0.1 | (s) | 0.0 | 110.6 | R -96.9 | 0.0 | R 1,334.4 |
| 1993 | 485.2 | 30.4 | 79.7 | 0.0 | 0.0 | 79.7 | 0.1 | (s) | 0.0 | 110.2 | R -100.1 | 0.0 | R 1,395.3 |
| 1994 | 464.8 | 31.3 | 83.2 | 0.0 | 0.0 | 83.2 | 0.1 | (s) | 0.0 | 114.6 | R -88.4 | 0.0 | R 1,392.9 |
| 1995 | 516.7 | 35.7 | 88.9 | 0.0 | 0.0 | 88.9 | 0.1 | (s) | 0.0 | 124.7 | R -96.4 | 0.0 | R 1,443.4 |
| 1996 | 457.6 | 31.4 | 100.2 | 0.0 | 0.0 | 100.2 | 0.1 | (s) | 0.0 | 131.8 | R -47.9 | 0.0 | R 1,459.3 |
| 1997 | 471.3 | 30.2 | 101.6 | 0.0 | 0.0 | 101.6 | 0.1 | (s) | 0.0 | 132.0 | R -57.7 | 0.0 | R 1,505.2 |
| 1998 | 511.5 | 36.4 | 93.4 | 0.0 | 0.0 | 93.4 | 0.1 | (s) | 0.0 | 130.0 | R -81.0 | 0.0 | R 1,554.6 |
| 1999 | 531.0 | 17.3 | 79.7 | 0.0 | 0.0 | 79.7 | 0.1 | (s) | 0.0 | 97.1 | R -94.8 | 0.0 | R 1,564.1 |
| 2000 | 530.7 | 15.6 | 76.8 | 0.0 | 0.0 | 76.8 | 0.1 | (s) | 0.0 | 92.6 | R -84.6 | 0.0 | R 1,611.5 |
| 2001 | 520.8 | 12.7 | 57.7 | 0.0 | 0.0 | 57.7 | 0.2 | (s) | 0.0 | 70.6 | R -87.9 | 0.0 | R 1,578.8 |
| 2002 | 556.8 | 14.1 | 66.3 | 0.0 | 0.0 | 66.3 | 0.2 | (s) | 0.0 | 80.6 | R -111.1 | 0.0 | R 1,633.2 |
| 2003 | 525.4 | 37.5 | 66.4 | 0.0 | 0.0 | 66.4 | 0.2 | (s) | 0.0 | 104.2 | R -108.4 | 0.0 | R 1,620.3 |
| 2004 | 533.9 | 24.5 | 72.7 | 0.0 | 0.0 | 72.7 | 0.2 | (s) | 0.0 | 97.4 | R -116.0 | 0.0 | R 1,730.5 |
| 2005 | 554.5 | 29.4 | R 74.5 | 1.2 | 0.0 | R 75.8 | 0.3 | (s) | 0.0 | R 105.4 | R -154.6 | 0.0 | R 1,701.2 |
| 2006 | 530.1 | 17.9 | R 80.4 | 1.8 | 0.0 | R 82.3 | 0.3 | (s) | 0.0 | R 100.5 | R -132.5 | 0.0 | R 1,695.0 |
| 2007 | 557.8 | 15.4 | R 79.3 | 2.7 | 0.0 | R 82.0 | 0.4 | (s) | 0.0 | R 97.8 | R -166.2 | 0.0 | R 1,682.0 |
| 2008 | 541.1 | 11.1 | R 80.6 | 14.7 | 0.0 | R 95.3 | 0.4 | (s) | 0.0 | R 106.8 | R -159.6 | 0.0 | R 1,649.2 |
| 2009 | 545.5 | 22.8 | 80.8 | 18.7 | 0.0 | 99.6 | 0.6 | (s) | 0.0 | 122.9 | -198.2 | 0.0 | 1,581.0 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 2,122 | 35 | 5,225 | 3,131 | 1,376 | 18,094 | 4,707 | 7,095 | 39,628 | 97 | – – | – – | – – | – – | 11,463 | – – | – – | – – |
| 1965 | 2,069 | 68 | 4,833 | 2,958 | 2,097 | 21,430 | 3,872 | 6,094 | 41,284 | 79 | – – | – – | – – | – – | 14,353 | – – | – – | – – |
| 1970 | 2,109 | 115 | 8,667 | 3,170 | 2,927 | 28,756 | 3,294 | 5,724 | 52,538 | 37 | – – | – – | – – | – – | 21,694 | – – | – – | – – |
| 1975 | 1,442 | 108 | 8,258 | 2,692 | 3,204 | 35,429 | 3,266 | 5,048 | 57,898 | 48 | – – | – – | – – | – – | 29,724 | – – | – – | – – |
| 1980 | 2,002 | 137 | 10,092 | 3,062 | 3,178 | 35,517 | 5,125 | 7,462 | 64,435 | 49 | – – | – – | – – | – – | 37,264 | – – | – – | – – |
| 1985 | 2,591 | 97 | 12,073 | 3,184 | 3,161 | 37,719 | 2,919 | 7,035 | 66,090 | 49 | – – | – – | – – | – – | 46,269 | – – | – – | – – |
| 1990 | 2,317 | 123 | 14,749 | 2,939 | 2,914 | 43,264 | 2,408 | 8,274 | 74,548 | 2 | – – | – – | – – | – – | 55,652 | – – | – – | – – |
| 1995 | 2,205 | 145 | 14,301 | 1,027 | 3,826 | 46,973 | 2,581 | 10,680 | 79,388 | 3 | – – | – – | – – | – – | 65,074 | – – | – – | – – |
| 2000 | 1,912 | 152 | 18,274 | 1,861 | 5,038 | 53,040 | 2,158 | 7,431 | 87,801 | 1 | – – | – – | – – | – – | 77,012 | – – | – – | – – |
| 2001 | 2,038 | 131 | 18,990 | 1,851 | 3,563 | 53,822 | 2,093 | 14,311 | 94,630 | 1 | – – | – – | – – | – – | 74,832 | – – | – – | – – |
| 2002 | 1,923 | 148 | 18,909 | 1,548 | 3,362 | 55,222 | 2,011 | 13,451 | 94,503 | (s) | – – | – – | – – | – – | 77,819 | – – | – – | – – |
| 2003 | 1,983 | 133 | 18,518 | 1,459 | 3,152 | 55,935 | 3,779 | 14,051 | 96,893 | 1 | – – | – – | – – | – – | 77,054 | – – | – – | – – |
| 2004 | 1,794 | 133 | 21,722 | 1,656 | 3,117 | 61,691 | 5,473 | 17,299 | 110,958 | 2 | – – | – – | – – | – – | 79,908 | – – | – – | – – |
| 2005 | 1,504 | 127 | 21,216 | 1,609 | 3,607 | 59,302 | 4,967 | 16,405 | 107,105 | 3 | – – | – – | – – | – – | 81,254 | – – | – – | – – |
| 2006 | 1,527 | 125 | 21,589 | 1,805 | 3,243 | 61,779 | 3,560 | 15,259 | 107,236 | 2 | – – | – – | – – | – – | 80,877 | – – | – – | – – |
| 2007 | 1,270 | 125 | 21,562 | 1,881 | 2,858 | 61,328 | 3,181 | 13,607 | 104,417 | 1 | – – | – – | – – | – – | 81,948 | – – | – – | – – |
| 2008 | 1,161 | 124 | 20,447 | 1,751 | 3,088 | 62,353 | 2,535 | 12,069 | 102,243 | 1 | – – | – – | – – | – – | 80,651 | – – | – – | – – |
| 2009 | 900 | 116 | 18,801 | 1,076 | 2,697 | 65,585 | 2,848 | 11,867 | 102,874 | 1 | – – | – – | – – | – – | 76,417 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 53.7 | 36.5 | 30.4 | 16.8 | 5.5 | 95.0 | 29.6 | 41.9 | 219.2 | 1.0 | 43.1 | NA | NA | NA | 39.1 | 392.7 | 96.7 | 489.5 |
| 1965 | 52.0 | 70.9 | 28.1 | 15.8 | 8.4 | 112.6 | 24.3 | 36.1 | 225.4 | 0.8 | 40.6 | NA | NA | NA | 49.0 | 438.7 | 116.9 | 555.6 |
| 1970 | 50.1 | 118.0 | 50.5 | 17.1 | 11.1 | 151.1 | 20.7 | 34.5 | 284.9 | 0.4 | 41.0 | NA | NA | NA | 74.0 | 568.4 | 179.1 | 747.5 |
| 1975 | 33.8 | 110.9 | 48.1 | 14.5 | 11.9 | 186.1 | 20.5 | 31.0 | 312.2 | 0.5 | 41.9 | NA | NA | NA | 101.4 | 600.7 | 243.3 | 844.0 |
| 1980 | 48.9 | 141.3 | 58.8 | 16.6 | 11.7 | 186.6 | 32.2 | 43.5 | 349.4 | 0.5 | 39.8 | NA | NA | NA | 127.1 | 706.9 | 305.4 | 1,012.3 |
| 1985 | 64.4 | 99.7 | 70.3 | 17.2 | 11.4 | 198.1 | 18.4 | 41.0 | 356.4 | 0.5 | 47.4 | 0.0 | NA | NA | 157.9 | 726.2 | 361.6 | 1,087.8 |
| 1990 | 58.2 | 127.0 | 85.9 | 16.0 | 10.6 | 227.3 | 15.1 | 48.7 | 403.6 | (s) | 71.7 | 0.0 | 0.1 | (s) | 189.9 | 851.0 | 435.7 | 1,286.6 |
| 1995 | 55.6 | 149.3 | 83.3 | 5.8 | 13.9 | 245.0 | 16.2 | 62.1 | 426.3 | (s) | 88.9 | 0.0 | 0.1 | (s) | 222.0 | 942.2 | 501.2 | 1,443.4 |
| 2000 | 50.2 | 156.3 | 106.4 | 10.6 | 18.2 | 276.3 | 13.6 | 46.0 | 471.0 | (s) | 76.8 | 0.0 | 0.1 | (s) | 262.8 | 1,017.2 | 594.3 | 1,611.5 |
| 2001 | 53.1 | 135.8 | 110.6 | 10.5 | 12.9 | 280.4 | 13.2 | 83.3 | 510.8 | (s) | 57.7 | 0.0 | 0.2 | (s) | 255.3 | 1,013.1 | 565.7 | 1,578.8 |
| 2002 | 50.6 | 153.0 | 110.1 | 8.8 | 12.1 | 287.6 | 12.6 | 78.0 | 509.3 | (s) | 66.2 | 0.0 | 0.2 | (s) | 265.5 | 1,044.8 | 588.4 | 1,633.2 |
| 2003 | 51.9 | 138.1 | 107.9 | 8.3 | 11.4 | 291.3 | 23.8 | 81.6 | 524.2 | (s) | 66.2 | 0.0 | 0.2 | (s) | 262.9 | 1,043.6 | 576.8 | 1,620.3 |
| 2004 | 46.6 | 137.2 | 126.5 | 9.4 | 11.3 | 321.7 | 34.4 | 101.1 | 604.4 | (s) | 69.6 | 0.0 | 0.2 | (s) | 272.6 | 1,130.8 | 599.7 | 1,730.5 |
| 2005 | 38.8 | 131.8 | 123.6 | 9.1 | 13.1 | 309.4 | 31.2 | 96.2 | 582.6 | (s) | 67.6 | 0.0 | 0.3 | (s) | 277.2 | 1,098.4 | 602.9 | 1,701.2 |
| 2006 | 39.2 | 129.8 | 125.8 | 10.2 | 11.7 | 322.4 | 22.4 | 90.6 | 583.0 | (s) | 73.5 | 0.0 | 0.3 | (s) | 276.0 | 1,101.8 | 593.2 | 1,695.0 |
| 2007 | 32.9 | 129.5 | 125.6 | 10.7 | 10.3 | 320.1 | 20.0 | 80.4 | 567.0 | (s) | 72.9 | 0.0 | 0.4 | (s) | 279.6 | 1,082.3 | 599.7 | 1,682.0 |
| 2008 | 30.1 | 128.0 | 119.1 | 9.9 | 11.1 | 325.4 | 15.9 | 71.3 | 552.7 | (s) | 73.8 | 0.0 | 0.4 | (s) | 275.2 | 1,060.2 | 589.0 | 1,649.2 |
| 2009 | 23.3 | 119.9 | 109.5 | 6.1 | 9.6 | 342.2 | 17.9 | 70.2 | 555.5 | (s) | 72.3 | 0.0 | 0.6 | (s) | 260.7 | 1,032.3 | 548.7 | 1,581.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 197 | 7 | 1,595 | 3,475 | 731 | 5,801 | 1,269 | – – | – – | 3,272 | – – | – – | – – |
| 1965 | 130 | 12 | 1,178 | 2,606 | 1,121 | 4,904 | 852 | – – | – – | 4,371 | – – | – – | – – |
| 1970 | 138 | 19 | 2,400 | 2,011 | 1,404 | 5,814 | 489 | – – | – – | 7,347 | – – | – – | – – |
| 1975 | 72 | 18 | 1,695 | 858 | 1,382 | 3,935 | 492 | – – | – – | 9,837 | – – | – – | – – |
| 1980 | 41 | 19 | 1,580 | 1,200 | 1,192 | 3,972 | 587 | – – | – – | 12,580 | – – | – – | – – |
| 1985 | 14 | 16 | 1,287 | 1,211 | 1,468 | 3,966 | 729 | – – | – – | 14,661 | – – | – – | – – |
| 1990 | 1 | 18 | 1,199 | 550 | 1,328 | 3,077 | 296 | – – | – – | 18,258 | – – | – – | – – |
| 1995 | 2 | 25 | 692 | 470 | 1,662 | 2,824 | 446 | – – | – – | 21,392 | – – | – – | – – |
| 1996 | 2 | 29 | 712 | 561 | 1,541 | 2,814 | 463 | – – | – – | 22,514 | – – | – – | – – |
| 1997 | (s) | 26 | 535 | 610 | 1,570 | 2,715 | 363 | – – | – – | 21,611 | – – | – – | – – |
| 1998 | 3 | 25 | 475 | 680 | 1,329 | 2,484 | 323 | – – | – – | 23,558 | – – | – – | – – |
| 1999 | 28 | 26 | 503 | 553 | 1,563 | 2,618 | 340 | – – | – – | 23,699 | – – | – – | – – |
| 2000 | 0 | 29 | 482 | 514 | 1,797 | 2,793 | 365 | – – | – – | 25,270 | – – | – – | – – |
| 2001 | 0 | 27 | 419 | 498 | 1,185 | 2,102 | 240 | – – | – – | 24,875 | – – | – – | – – |
| 2002 | (s) | 28 | 386 | 291 | 1,517 | 2,195 | 243 | – – | – – | 26,787 | – – | – – | – – |
| 2003 | 0 | 29 | 432 | 377 | 1,593 | 2,402 | 256 | – – | – – | 26,422 | – – | – – | – – |
| 2004 | 0 | 29 | 288 | 544 | 1,673 | 2,505 | 263 | – – | – – | 27,910 | – – | – – | – – |
| 2005 | 0 | 29 | 241 | 476 | 1,666 | 2,383 | R 192 | – – | – – | 28,676 | – – | – – | – – |
| 2006 | 8 | 25 | 211 | 362 | 1,332 | 1,905 | R 175 | – – | – – | 28,539 | – – | – – | – – |
| 2007 | (s) | 25 | 172 | 192 | 1,337 | 1,700 | R 193 | – – | – – | 29,569 | – – | – – | – – |
| 2008 | 1 | 27 | R 150 | 85 | 1,502 | R 1,737 | R 202 | – – | – – | 29,727 | – – | – – | – – |
| 2009 | (s) | 27 | 162 | 79 | 1,425 | 1,666 | 193 | – – | – – | 29,556 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 4.9 | 7.1 | 9.3 | 19.7 | 2.9 | 31.9 | 25.4 | NA | NA | 11.2 | 80.5 | 27.6 | 108.1 |
| 1965 | 3.2 | 12.4 | 6.9 | 14.8 | 4.5 | 26.1 | 17.0 | NA | NA | 14.9 | 73.7 | 35.6 | 109.3 |
| 1970 | 3.3 | 19.5 | 14.0 | 11.4 | 5.3 | 30.7 | 9.8 | NA | NA | 25.1 | 88.3 | R 60.6 | 148.9 |
| 1975 | 1.7 | 18.6 | 9.9 | 4.9 | 5.1 | 19.9 | 9.8 | NA | NA | 33.6 | 83.6 | R 80.5 | R 164.1 |
| 1980 | 1.0 | 19.5 | 9.2 | 6.8 | 4.4 | 20.4 | 11.7 | NA | NA | 42.9 | 95.5 | R 103.1 | R 198.7 |
| 1985 | 0.4 | 16.9 | 7.5 | 6.9 | 5.3 | 19.7 | 14.6 | NA | NA | 50.0 | 101.5 | R 114.6 | R 216.1 |
| 1990 | (s) | 18.9 | 7.0 | 3.1 | 4.8 | 14.9 | 5.9 | 0.1 | (s) | 62.3 | 102.2 | R 142.9 | R 245.1 |
| 1995 | 0.1 | 25.8 | 4.0 | 2.7 | 6.0 | 12.7 | 8.9 | 0.1 | (s) | 73.0 | 120.6 | R 164.8 | R 285.4 |
| 1996 | 0.1 | 30.3 | 4.1 | 3.2 | 5.6 | 12.9 | 9.3 | 0.1 | (s) | 76.8 | 129.4 | R 173.6 | R 303.0 |
| 1997 | (s) | 26.5 | 3.1 | 3.5 | 5.7 | 12.3 | 7.3 | 0.1 | (s) | 73.7 | 119.9 | R 166.0 | R 285.9 |
| 1998 | 0.1 | 26.3 | 2.8 | 3.9 | 4.8 | 11.4 | 6.5 | 0.1 | (s) | 80.4 | 124.8 | R 181.1 | R 305.9 |
| 1999 | 0.7 | 26.4 | 2.9 | 3.1 | 5.7 | 11.7 | 6.8 | 0.1 | (s) | 80.9 | 126.7 | R 183.8 | R 310.5 |
| 2000 | 0.0 | 29.9 | 2.8 | 2.9 | 6.5 | 12.2 | 7.3 | 0.1 | (s) | 86.2 | 135.8 | R 195.0 | R 330.8 |
| 2001 | 0.0 | 28.5 | 2.4 | 2.8 | 4.3 | 9.5 | 4.8 | 0.2 | (s) | 84.9 | 127.9 | R 188.0 | R 316.0 |
| 2002 | (s) | 28.5 | 2.3 | 1.6 | 5.5 | 9.4 | 4.9 | 0.2 | (s) | 91.4 | 134.4 | R 202.5 | R 336.9 |
| 2003 | 0.0 | 30.2 | 2.5 | 2.1 | 5.8 | 10.4 | 5.1 | 0.2 | (s) | 90.2 | 136.2 | R 197.8 | R 333.9 |
| 2004 | 0.0 | 30.3 | 1.7 | 3.1 | 6.1 | 10.8 | 5.3 | 0.2 | (s) | 95.2 | 141.9 | R 209.5 | R 351.4 |
| 2005 | 0.0 | 29.6 | 1.4 | 2.7 | 6.0 | 10.1 | R 3.8 | 0.3 | (s) | 97.8 | R 141.7 | R 212.8 | R 354.5 |
| 2006 | 0.2 | 25.9 | 1.2 | 2.1 | 4.8 | 8.1 | R 3.5 | 0.3 | (s) | 97.4 | R 135.3 | R 209.3 | R 344.7 |
| 2007 | (s) | 26.1 | 1.0 | 1.1 | 4.8 | 6.9 | R 3.9 | 0.4 | (s) | 100.9 | R 138.1 | R 216.4 | R 354.5 |
| 2008 | (s) | 28.0 | 0.9 | 0.5 | 5.4 | 6.8 | R 4.0 | 0.4 | (s) | 101.4 | R 140.7 | R 217.1 | R 357.8 |
| 2009 | (s) | 28.0 | 0.9 | 0.5 | 5.1 | 6.5 | 3.9 | 0.6 | (s) | 100.8 | 139.8 | 212.2 | 352.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 137 | 5 | 474 | 93 | 358 | 275 | 176 | 1,377 | NA | – – | – – | 1,957 | – – | – – | – – |
| 1965 | 98 | 7 | 350 | 70 | 549 | 301 | 121 | 1,391 | NA | – – | – – | 2,531 | – – | – – | – – |
| 1970 | 108 | 14 | 714 | 54 | 688 | 204 | 80 | 1,740 | NA | – – | – – | 4,237 | – – | – – | – – |
| 1975 | 169 | 17 | 504 | 23 | 678 | 225 | 160 | 1,589 | NA | – – | – – | 7,121 | – – | – – | – – |
| 1980 | 156 | 23 | 481 | 25 | 584 | 240 | 35 | 1,365 | NA | – – | – – | 8,705 | – – | – – | – – |
| 1985 | 51 | 15 | 939 | 48 | 720 | 230 | 80 | 2,017 | NA | – – | – – | 9,778 | – – | – – | – – |
| 1990 | 5 | 15 | 721 | 12 | 651 | 256 | 17 | 1,658 | 2 | – – | – – | 12,693 | – – | – – | – – |
| 1995 | 15 | 19 | 1,002 | 26 | 815 | 32 | 38 | 1,913 | 3 | – – | – – | 14,863 | – – | – – | – – |
| 1996 | 17 | 20 | 964 | 23 | 755 | 32 | 37 | 1,811 | 3 | – – | – – | 15,388 | – – | – – | – – |
| 1997 | 1 | 20 | 1,049 | 16 | 770 | 31 | 10 | 1,876 | 2 | – – | – – | 15,645 | – – | – – | – – |
| 1998 | 20 | 20 | 1,502 | 47 | 651 | 58 | 6 | 2,265 | 3 | – – | – – | 17,290 | – – | – – | – – |
| 1999 | 209 | 21 | 1,043 | 30 | 766 | 34 | 10 | 1,883 | 1 | – – | – – | 17,488 | – – | – – | – – |
| 2000 | 0 | 22 | 759 | 54 | 881 | 35 | 50 | 1,780 | 1 | – – | – – | 18,434 | – – | – – | – – |
| 2001 | 0 | 21 | 769 | 40 | 581 | 36 | 113 | 1,539 | 1 | – – | – – | 18,430 | – – | – – | – – |
| 2002 | (s) | 21 | 669 | 24 | 744 | 38 | 19 | 1,494 | (s) | – – | – – | 19,107 | – – | – – | – – |
| 2003 | 0 | 22 | 586 | 22 | 680 | 37 | 18 | 1,343 | 1 | – – | – – | 19,336 | – – | – – | – – |
| 2004 | 0 | 22 | 553 | 26 | 806 | 33 | 47 | 1,464 | 2 | – – | – – | 20,113 | – – | – – | – – |
| 2005 | 0 | 22 | 621 | 27 | 735 | 34 | 77 | 1,495 | 3 | – – | – – | 20,498 | – – | – – | – – |
| 2006 | 80 | 21 | 694 | 27 | 724 | 35 | 17 | 1,496 | 2 | – – | – – | 20,923 | – – | – – | – – |
| 2007 | (s) | 21 | 692 | 18 | 676 | 35 | 14 | 1,437 | 1 | – – | – – | 21,746 | – – | – – | – – |
| 2008 | 11 | 22 | R 634 | 19 | 841 | 35 | 1 | R 1,530 | 1 | – – | – – | 21,676 | – – | – – | – – |
| 2009 | 3 | 22 | 531 | 7 | 546 | 35 | (s) | 1,119 | 1 | – – | – – | 21,440 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 3.4 | 4.8 | 2.8 | 0.5 | 1.4 | 1.4 | 1.1 | 7.3 | NA | 0.5 | NA | 6.7 | 22.7 | 16.5 | 39.2 |
| 1965 | 2.4 | 7.3 | 2.0 | 0.4 | 2.2 | 1.6 | 0.8 | 7.0 | NA | 0.3 | NA | 8.6 | 25.7 | 20.6 | 46.3 |
| 1970 | 2.6 | 14.2 | 4.2 | 0.3 | 2.6 | 1.1 | 0.5 | 8.6 | NA | 0.2 | NA | 14.5 | 40.1 | 35.0 | 75.1 |
| 1975 | 4.0 | 17.6 | 2.9 | 0.1 | 2.5 | 1.2 | 1.0 | 7.8 | NA | 0.2 | NA | 24.3 | 53.8 | R 58.3 | R 112.1 |
| 1980 | 3.8 | 23.6 | 2.8 | 0.1 | 2.1 | 1.3 | 0.2 | 6.6 | NA | 0.3 | NA | 29.7 | 64.0 | R 71.4 | R 135.3 |
| 1985 | 1.3 | 15.7 | 5.5 | 0.3 | 2.6 | 1.2 | 0.5 | 10.0 | NA | 0.3 | NA | 33.4 | 60.7 | R 76.4 | R 137.1 |
| 1990 | 0.1 | 15.8 | 4.2 | 0.1 | 2.4 | 1.3 | 0.1 | 8.1 | (s) | 2.8 | 0.0 | 43.3 | 70.2 | R 99.4 | R 169.6 |
| 1995 | 0.4 | 19.4 | 5.8 | 0.1 | 3.0 | 0.2 | 0.2 | 9.3 | (s) | 3.6 | 0.0 | 50.7 | 83.4 | R 114.5 | R 197.9 |
| 1996 | 0.4 | 20.9 | 5.6 | 0.1 | 2.7 | 0.2 | 0.2 | 8.9 | (s) | 3.6 | 0.0 | 52.5 | 86.3 | R 118.6 | R 205.0 |
| 1997 | (s) | 20.2 | 6.1 | 0.1 | 2.8 | 0.2 | 0.1 | 9.2 | (s) | 3.4 | 0.0 | 53.4 | 86.3 | R 120.2 | R 206.4 |
| 1998 | 0.5 | 20.5 | 8.8 | 0.3 | 2.4 | 0.3 | (s) | 11.7 | (s) | 3.4 | 0.0 | 59.0 | 95.2 | R 133.0 | R 228.2 |
| 1999 | 5.5 | 21.2 | 6.1 | 0.2 | 2.8 | 0.2 | 0.1 | 9.3 | (s) | 3.5 | 0.0 | 59.7 | 99.1 | R 135.6 | R 234.7 |
| 2000 | 0.0 | 22.7 | 4.4 | 0.3 | 3.2 | 0.2 | 0.3 | 8.4 | (s) | 3.5 | 0.0 | 62.9 | 97.5 | R 142.3 | R 239.8 |
| 2001 | 0.0 | 21.5 | 4.5 | 0.2 | 2.1 | 0.2 | 0.7 | 7.7 | (s) | 2.1 | 0.0 | 62.9 | 94.2 | R 139.3 | R 233.5 |
| 2002 | (s) | 21.7 | 3.9 | 0.1 | 2.7 | 0.2 | 0.1 | 7.0 | (s) | 0.9 | 0.0 | 65.2 | 94.8 | R 144.5 | R 239.3 |
| 2003 | 0.0 | 23.2 | 3.4 | 0.1 | 2.5 | 0.2 | 0.1 | 6.3 | (s) | 2.2 | 0.0 | 66.0 | 97.7 | R 144.7 | R 242.4 |
| 2004 | 0.0 | 23.0 | 3.2 | 0.1 | 2.9 | 0.2 | 0.3 | 6.7 | (s) | 2.1 | 0.0 | 68.6 | 100.5 | R 150.9 | R 251.5 |
| 2005 | 0.0 | 22.9 | 3.6 | 0.2 | 2.7 | 0.2 | 0.5 | 7.1 | (s) | R 1.9 | 0.0 | 69.9 | R 101.8 | R 152.1 | R 253.9 |
| 2006 | 1.9 | 21.5 | 4.0 | 0.2 | 2.6 | 0.2 | 0.1 | 7.1 | (s) | R 1.8 | 0.0 | 71.4 | R 103.7 | R 153.5 | R 257.2 |
| 2007 | (s) | 21.7 | 4.0 | 0.1 | 2.4 | 0.2 | 0.1 | 6.8 | (s) | R 1.8 | 0.0 | 74.2 | R 104.6 | R 159.2 | R 263.7 |
| 2008 | 0.3 | 23.0 | 3.7 | 0.1 | 3.0 | 0.2 | (s) | 7.0 | (s) | R 1.8 | 0.0 | 74.0 | R 106.1 | R 158.3 | R 264.4 |
| 2009 | 0.1 | 22.6 | 3.1 | (s) | 1.9 | 0.2 | (s) | 5.3 | (s) | 1.5 | 0.0 | 73.2 | 102.7 | 153.9 | 256.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 1,758 | 23 | 1,959 | 273 | 614 | 3,392 | 3,022 | 9,261 | 97 | – – | – – | – – | 6,234 | – – | – – | – – |
| 1965 | 1,835 | 47 | 1,748 | 415 | 517 | 2,438 | 2,822 | 7,941 | 79 | – – | – – | – – | 7,450 | – – | – – | – – |
| 1970 | 1,861 | 79 | 2,655 | 775 | 332 | 1,608 | 3,195 | 8,564 | 37 | – – | – – | – – | 10,110 | – – | – – | – – |
| 1975 | 1,200 | 70 | 2,040 | 1,066 | 209 | 2,687 | 3,812 | 9,813 | 48 | – – | – – | – – | 12,766 | – – | – – | – – |
| 1980 | 1,805 | 92 | 1,875 | 1,368 | 96 | 4,245 | 5,827 | 13,412 | 49 | – – | – – | – – | 15,979 | – – | – – | – – |
| 1985 | 2,525 | 63 | 1,897 | 834 | 702 | 2,233 | 5,402 | 11,068 | 49 | – – | – – | – – | 21,829 | – – | – – | – – |
| 1990 | 2,310 | 87 | 2,317 | 849 | 703 | 1,888 | 7,344 | 13,101 | 0 | – – | – – | – – | 24,701 | – – | – – | – – |
| 1995 | 2,188 | 98 | 1,904 | 1,272 | 426 | 2,111 | 9,806 | 15,518 | 0 | – – | – – | – – | 28,819 | – – | – – | – – |
| 1996 | 2,000 | 95 | 2,124 | 1,326 | 452 | 2,245 | 4,995 | 11,143 | 0 | – – | – – | – – | 29,185 | – – | – – | – – |
| 1997 | 2,012 | 103 | 1,937 | 3,748 | 478 | 1,974 | 6,009 | 14,147 | 0 | – – | – – | – – | 31,278 | – – | – – | – – |
| 1998 | 1,962 | 102 | 2,030 | 2,571 | 388 | 1,589 | 6,133 | 12,710 | 0 | – – | – – | – – | 31,606 | – – | – – | – – |
| 1999 | 1,861 | 103 | 2,190 | 1,502 | 346 | 1,120 | 6,507 | 11,666 | 0 | – – | – – | – – | 32,117 | – – | – – | – – |
| 2000 | 1,912 | 97 | 2,242 | 2,304 | 333 | 1,734 | 6,515 | 13,128 | 0 | – – | – – | – – | 33,308 | – – | – – | – – |
| 2001 | 2,038 | 80 | 2,458 | 1,759 | 812 | 1,700 | 13,452 | 20,182 | 0 | – – | – – | – – | 31,528 | – – | – – | – – |
| 2002 | 1,923 | 96 | 2,333 | 1,070 | 870 | 1,477 | 12,802 | 18,552 | 0 | – – | – – | – – | 31,926 | – – | – – | – – |
| 2003 | 1,983 | 79 | 2,320 | 819 | 921 | 3,167 | 13,331 | 20,558 | 0 | – – | – – | – – | 31,296 | – – | – – | – – |
| 2004 | 1,794 | 78 | 2,612 | 564 | 1,061 | 3,433 | 16,415 | 24,085 | 0 | – – | – – | – – | 31,886 | – – | – – | – – |
| 2005 | 1,504 | 74 | 3,071 | 1,096 | 1,033 | 3,328 | 15,575 | 24,102 | 0 | – – | – – | – – | 32,080 | – – | – – | – – |
| 2006 | 1,439 | 77 | 2,533 | 1,068 | 1,086 | 1,828 | R 14,538 | R 21,052 | 0 | – – | – – | – – | 31,416 | – – | – – | – – |
| 2007 | 1,270 | 76 | 2,286 | 756 | 713 | 1,603 | R 13,058 | R 18,416 | 0 | – – | – – | – – | 30,632 | – – | – – | – – |
| 2008 | 1,149 | 72 | R 2,143 | R 579 | 763 | 1,066 | R 11,680 | R 16,230 | 0 | – – | – – | – – | 29,247 | – – | – – | – – |
| 2009 | 896 | 65 | 1,687 | 616 | 746 | 952 | 11,494 | 15,495 | 0 | – – | – – | – – | 25,421 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 44.7 | 23.3 | 11.4 | 1.1 | 3.2 | 21.3 | 18.8 | 55.9 | 1.0 | 17.3 | NA | NA | 21.3 | 163.4 | 52.6 | 216.0 |
| 1965 | 46.2 | 48.7 | 10.2 | 1.7 | 2.7 | 15.3 | 17.7 | 47.6 | 0.8 | 23.2 | NA | NA | 25.4 | 192.0 | 60.7 | 252.7 |
| 1970 | 44.2 | 80.9 | 15.5 | 2.9 | 1.7 | 10.1 | 20.2 | 50.5 | 0.4 | 31.0 | NA | NA | 34.5 | 241.5 | R 83.4 | R 324.9 |
| 1975 | 28.2 | 72.0 | 11.9 | 4.0 | 1.1 | 16.9 | 24.0 | 57.8 | 0.5 | 31.9 | NA | NA | 43.6 | 233.8 | R 104.5 | R 338.3 |
| 1980 | 44.0 | 95.1 | 10.9 | 5.0 | 0.5 | 26.7 | 34.3 | 77.4 | 0.5 | 27.7 | NA | NA | 54.5 | 299.2 | R 131.0 | R 430.2 |
| 1985 | 62.8 | 64.8 | 11.1 | 3.0 | 3.7 | 14.0 | 31.7 | 63.5 | 0.5 | 32.5 | 0.0 | NA | 74.5 | 298.5 | R 170.6 | R 469.1 |
| 1990 | 58.0 | 89.3 | 13.5 | 3.1 | 3.7 | 11.9 | 43.3 | 75.5 | 0.0 | 63.0 | 0.0 | 0.0 | 84.3 | 370.0 | R 193.4 | R 563.4 |
| 1995 | 55.1 | 101.0 | 11.1 | 4.6 | 2.2 | 13.3 | 57.1 | 88.3 | 0.0 | 76.5 | 0.0 | 0.0 | 98.3 | 419.2 | R 222.0 | R 641.2 |
| 1996 | 50.1 | 98.4 | 12.4 | 4.8 | 2.4 | 14.1 | 31.1 | 64.7 | 0.0 | 87.4 | 0.0 | 0.0 | 99.6 | 400.0 | R 225.0 | R 625.1 |
| 1997 | 50.5 | 106.1 | 11.3 | 13.6 | 2.5 | 12.4 | 38.0 | 77.7 | 0.0 | 90.9 | 0.0 | 0.0 | 106.7 | 432.0 | R 240.2 | R 672.2 |
| 1998 | 49.1 | 105.8 | 11.8 | 9.3 | 2.0 | 10.0 | 38.0 | 71.1 | 0.0 | 83.5 | 0.0 | 0.0 | 107.8 | 417.4 | R 243.0 | R 660.4 |
| 1999 | 46.6 | 105.6 | 12.8 | 5.4 | 1.8 | 7.0 | 40.1 | 67.1 | 0.0 | 69.4 | 0.0 | 0.0 | 109.6 | 398.3 | R 249.1 | R 647.4 |
| 2000 | 50.2 | 100.1 | 13.1 | 8.3 | 1.7 | 10.9 | 40.7 | 74.7 | 0.0 | 66.1 | 0.0 | 0.0 | 113.6 | 404.7 | R 257.0 | R 661.7 |
| 2001 | 53.1 | 82.7 | 14.3 | 6.4 | 4.2 | 10.7 | 78.4 | 114.0 | 0.0 | 50.9 | 0.0 | 0.0 | 107.6 | 408.3 | R 238.3 | R 646.6 |
| 2002 | 50.6 | 99.4 | 13.6 | 3.9 | 4.5 | 9.3 | 74.3 | 105.5 | 0.0 | 60.4 | 0.0 | 0.0 | 108.9 | 425.0 | R 241.4 | R 666.4 |
| 2003 | 51.9 | 81.7 | 13.5 | 3.0 | 4.8 | 19.9 | 77.5 | 118.7 | 0.0 | 58.9 | 0.0 | 0.0 | 106.8 | 418.1 | R 234.3 | R 652.3 |
| 2004 | 46.6 | 81.2 | 15.2 | 2.0 | 5.5 | 21.6 | 96.1 | 140.4 | 0.0 | 62.3 | 0.0 | 0.0 | 108.8 | 439.3 | R 239.3 | R 678.6 |
| 2005 | 38.8 | 76.8 | 17.9 | 4.0 | 5.4 | 20.9 | 91.4 | 139.6 | 0.0 | 61.9 | 0.0 | 0.0 | 109.5 | 426.6 | R 238.0 | R 664.6 |
| 2006 | 37.0 | 80.1 | 14.8 | 3.8 | 5.7 | 11.5 | R 86.4 | R 122.2 | 0.0 | R 68.2 | 0.0 | 0.0 | 107.2 | R 414.7 | R 230.4 | R 645.1 |
| 2007 | 32.9 | 79.1 | 13.3 | 2.7 | 3.7 | 10.1 | R 77.2 | R 107.1 | 0.0 | R 67.2 | 0.0 | 0.0 | 104.5 | R 390.7 | R 224.2 | R 614.9 |
| 2008 | 29.7 | 74.3 | R 12.5 | 2.1 | 4.0 | 6.7 | R 69.0 | R 94.3 | 0.0 | R 68.0 | 0.0 | 0.0 | 99.8 | R 366.0 | R 213.6 | R 579.6 |
| 2009 | 23.2 | 66.7 | 9.8 | 2.2 | 3.9 | 6.0 | 68.0 | 89.9 | 0.0 | 66.9 | 0.0 | 0.0 | 86.7 | 333.5 | 182.5 | 516.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 30 | 1 | 215 | 1,196 | 3,131 | 13 | 289 | 17,205 | 1,139 | 23,188 | 0 | – – | – – | – – |
| 1965 | 6 | 2 | 354 | 1,556 | 2,958 | 12 | 243 | 20,612 | 1,313 | 27,048 | 0 | – – | – – | – – |
| 1970 | 3 | 3 | 228 | 2,899 | 3,170 | 60 | 237 | 28,220 | 1,605 | 36,420 | 0 | – – | – – | – – |
| 1975 | (s) | 3 | 142 | 4,019 | 2,692 | 79 | 213 | 34,995 | 419 | 42,560 | 0 | – – | – – | – – |
| 1980 | 0 | 3 | 149 | 6,156 | 3,062 | 33 | 261 | 35,181 | 844 | 45,686 | 0 | – – | – – | – – |
| 1985 | 0 | 2 | 136 | 7,949 | 3,184 | 140 | 237 | 36,787 | 606 | 49,039 | 0 | – – | – – | – – |
| 1990 | 0 | 3 | 101 | 10,512 | 2,939 | 87 | 267 | 42,305 | 502 | 56,713 | 0 | – – | – – | – – |
| 1995 | 0 | 3 | 123 | 10,703 | 1,027 | 77 | 255 | 46,515 | 432 | 59,133 | 0 | – – | – – | – – |
| 1996 | 0 | 3 | 59 | 11,107 | 1,292 | 44 | 247 | 46,944 | 662 | 60,356 | 0 | – – | – – | – – |
| 1997 | 0 | 3 | 64 | 11,894 | 1,328 | 62 | 261 | 48,959 | 550 | 63,118 | 0 | – – | – – | – – |
| 1998 | 0 | 3 | 55 | 13,609 | 1,438 | 50 | 273 | 50,770 | 418 | 66,613 | 0 | – – | – – | – – |
| 1999 | 0 | 4 | 100 | 13,978 | 1,536 | 26 | 276 | 52,393 | 377 | 68,687 | 0 | – – | – – | – – |
| 2000 | 0 | 3 | 76 | 14,791 | 1,861 | 55 | 272 | 52,672 | 373 | 70,100 | 0 | – – | – – | – – |
| 2001 | 0 | 3 | 72 | 15,344 | 1,851 | 37 | 249 | 52,973 | 279 | 70,806 | 0 | – – | – – | – – |
| 2002 | 0 | 3 | 87 | 15,520 | 1,548 | 31 | 246 | 54,314 | 516 | 72,262 | 0 | – – | – – | – – |
| 2003 | 0 | 3 | 93 | 15,181 | 1,459 | 60 | 228 | 54,976 | 594 | 72,590 | 0 | – – | – – | – – |
| 2004 | 0 | 3 | 83 | 18,270 | 1,656 | 74 | 231 | 60,597 | 1,993 | 82,904 | 0 | – – | – – | – – |
| 2005 | 0 | 2 | 97 | 17,283 | 1,609 | 110 | 230 | 58,235 | 1,562 | 79,125 | 0 | – – | – – | – – |
| 2006 | 0 | 2 | 109 | 18,151 | 1,805 | 120 | 224 | 60,658 | 1,715 | 82,783 | 0 | – – | – – | – – |
| 2007 | 0 | 3 | 108 | 18,412 | 1,881 | 88 | 231 | 60,580 | 1,563 | 82,863 | 0 | – – | – – | – – |
| 2008 | 0 | 3 | 71 | R 17,521 | 1,751 | R 165 | 214 | 61,555 | 1,468 | R 82,745 | 0 | – – | – – | – – |
| 2009 | 0 | 2 | 94 | 16,422 | 1,076 | 110 | 193 | 64,804 | 1,896 | 84,594 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 0.8 | 1.3 | 1.1 | 7.0 | 16.8 | 0.1 | 1.8 | 90.4 | 7.2 | 124.2 | 0.0 | 126.2 | 0.0 | 126.2 |
| 1965 | 0.2 | 2.4 | 1.8 | 9.1 | 15.8 | (s) | 1.5 | 108.3 | 8.3 | 144.8 | 0.0 | 147.3 | 0.0 | 147.3 |
| 1970 | 0.1 | 3.4 | 1.2 | 16.9 | 17.1 | 0.2 | 1.4 | 148.2 | 10.1 | 195.2 | 0.0 | 198.6 | 0.0 | 198.6 |
| 1975 | (s) | 2.7 | 0.7 | 23.4 | 14.5 | 0.3 | 1.3 | 183.8 | 2.6 | 226.7 | 0.0 | 229.4 | 0.0 | 229.4 |
| 1980 | 0.0 | 3.1 | 0.8 | 35.9 | 16.6 | 0.1 | 1.6 | 184.8 | 5.3 | 245.0 | 0.0 | 248.1 | 0.0 | 248.1 |
| 1985 | 0.0 | 2.3 | 0.7 | 46.3 | 17.2 | 0.5 | 1.4 | 193.2 | 3.8 | 263.2 | 0.0 | 265.5 | 0.0 | 265.5 |
| 1990 | 0.0 | 2.9 | 0.5 | 61.2 | 16.0 | 0.3 | 1.6 | 222.2 | 3.2 | 305.1 | 0.0 | R 308.5 | 0.0 | R 308.5 |
| 1995 | 0.0 | 3.0 | 0.6 | 62.3 | 5.8 | 0.3 | 1.5 | 242.6 | 2.7 | 315.9 | 0.0 | 318.9 | 0.0 | 318.9 |
| 1996 | 0.0 | 3.2 | 0.3 | 64.7 | 7.3 | 0.2 | 1.5 | 244.9 | 4.2 | 323.0 | 0.0 | 326.2 | 0.0 | 326.2 |
| 1997 | 0.0 | 3.0 | 0.3 | 69.3 | 7.5 | 0.2 | 1.6 | 255.2 | 3.5 | 337.6 | 0.0 | 340.7 | 0.0 | 340.7 |
| 1998 | 0.0 | 3.3 | 0.3 | 79.3 | 8.2 | 0.2 | 1.7 | 264.6 | 2.6 | 356.8 | 0.0 | 360.1 | 0.0 | 360.1 |
| 1999 | 0.0 | 3.7 | 0.5 | 81.4 | 8.7 | 0.1 | 1.7 | 273.0 | 2.4 | 367.8 | 0.0 | 371.5 | 0.0 | 371.5 |
| 2000 | 0.0 | 3.6 | 0.4 | 86.2 | 10.6 | 0.2 | 1.7 | 274.4 | 2.3 | 375.7 | 0.0 | 379.3 | 0.0 | 379.3 |
| 2001 | 0.0 | 3.1 | 0.4 | 89.4 | 10.5 | 0.1 | 1.5 | 276.0 | 1.8 | 379.6 | 0.0 | 382.7 | 0.0 | 382.7 |
| 2002 | 0.0 | 3.3 | 0.4 | 90.4 | 8.8 | 0.1 | 1.5 | 282.9 | 3.2 | 387.3 | 0.0 | 390.6 | 0.0 | 390.6 |
| 2003 | 0.0 | 2.9 | 0.5 | 88.4 | 8.3 | 0.2 | 1.4 | 286.3 | 3.7 | 388.8 | 0.0 | 391.7 | 0.0 | 391.7 |
| 2004 | 0.0 | 2.6 | 0.4 | 106.4 | 9.4 | 0.3 | 1.4 | 316.0 | 12.5 | 446.4 | 0.0 | 449.1 | 0.0 | 449.1 |
| 2005 | 0.0 | 2.5 | 0.5 | 100.7 | 9.1 | 0.4 | 1.4 | 303.9 | 9.8 | 425.8 | 0.0 | 428.3 | 0.0 | 428.3 |
| 2006 | 0.0 | 2.4 | 0.6 | 105.7 | 10.2 | 0.4 | 1.4 | 316.5 | 10.8 | 445.6 | 0.0 | 448.0 | 0.0 | 448.0 |
| 2007 | 0.0 | 2.7 | 0.5 | 107.2 | 10.7 | 0.3 | 1.4 | 316.2 | 9.8 | 446.2 | 0.0 | 448.9 | 0.0 | 448.9 |
| 2008 | 0.0 | 2.7 | 0.4 | R 102.1 | 9.9 | 0.6 | 1.3 | 321.2 | 9.2 | R 444.7 | 0.0 | R 447.4 | 0.0 | R 447.4 |
| 2009 | 0.0 | 2.5 | 0.5 | 95.7 | 6.1 | 0.4 | 1.2 | 338.1 | 11.9 | 453.9 | 0.0 | 456.4 | 0.0 | 456.4 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, South Carolina

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 1,596 | 23 | 24 | 9 | 0 | 33 | 0 | 3,513 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 2,690 | 19 | 44 | 16 | 0 | 60 | 75 | 3,438 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 3,708 | 45 | 2,042 | 756 | 0 | 2,798 | 7 | 2,256 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 4,401 | 15 | 4,400 | 118 | 0 | 4,517 | 19,458 | 4,366 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 7,927 | 5 | 2,080 | 567 | 0 | 2,647 | 17,404 | 2,976 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 7,888 | (s) | 1 | 183 | 0 | 184 | 31,826 | 1,786 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 9,131 | 7 | 8 | 117 | 0 | 125 | 42,881 | 3,296 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 10,074 | 7 | 68 | 200 | 0 | 268 | 49,173 | 3,454 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 11,832 | 1 | 39 | 267 | 0 | 306 | 43,571 | 3,038 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 12,096 | 3 | 56 | 401 | 0 | 457 | 44,916 | 2,956 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 12,664 | 9 | 198 | 611 | 0 | 809 | 48,759 | 3,567 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 13,666 | 10 | 250 | 558 | 0 | 807 | 50,814 | 1,686 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 15,034 | 9 | 166 | 606 | 0 | 772 | 50,888 | 1,533 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 14,382 | 11 | 84 | 399 | 0 | 483 | 49,870 | 1,225 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 14,341 | 37 | 68 | 331 | 0 | 399 | 53,326 | 1,389 | – – | 0 | 0 | 0 | 0 | – – |
| 2003 | 14,714 | 13 | 37 | 450 | 80 | 566 | 50,418 | 3,665 | – – | 0 | 0 | 0 | 0 | – – |
| 2004 | 15,557 | 31 | 67 | 352 | 804 | 1,223 | 51,201 | 2,445 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 15,793 | 45 | 72 | 332 | 443 | 846 | 53,138 | 2,936 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 15,761 | 50 | 29 | 223 | 24 | 276 | 50,797 | 1,805 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 16,524 | 51 | 45 | 318 | 0 | 364 | 53,200 | 1,555 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 16,879 | 46 | 4 | 167 | 92 | 264 | 51,763 | 1,123 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 14,071 | 74 | 35 | 179 | 629 | 844 | 52,150 | 2,331 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 42.7 | 24.1 | 0.2 | 0.1 | 0.0 | 0.2 | 0.0 | 37.8 | 0.0 | 0.0 | NA | NA | 0.0 | 104.8 |
| 1965 | 69.5 | 19.6 | 0.3 | 0.1 | 0.0 | 0.4 | 0.9 | 35.9 | 0.0 | 0.0 | NA | NA | 0.0 | 126.2 |
| 1970 | 90.0 | 46.3 | 12.8 | 4.4 | 0.0 | 17.2 | 0.1 | 23.7 | 0.0 | 0.0 | NA | NA | 0.0 | 177.3 |
| 1975 | 106.3 | 15.0 | 27.7 | 0.7 | 0.0 | 28.3 | 214.3 | 45.4 | 0.0 | 0.0 | NA | NA | 0.0 | 409.4 |
| 1980 | 196.9 | 5.6 | 13.1 | 3.3 | 0.0 | 16.4 | 189.8 | 30.9 | 0.0 | 0.0 | NA | NA | 0.0 | 439.6 |
| 1985 | 198.2 | 0.5 | (s) | 1.1 | 0.0 | 1.1 | 338.1 | 18.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 556.5 |
| 1990 | 231.0 | 7.1 | (s) | 0.7 | 0.0 | 0.7 | 453.8 | 34.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 727.0 |
| 1995 | 259.0 | 6.8 | 0.4 | 1.2 | 0.0 | 1.6 | 516.7 | 35.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 819.6 |
| 1996 | 302.0 | 1.2 | 0.2 | 1.6 | 0.0 | 1.8 | 457.6 | 31.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 794.0 |
| 1997 | 310.9 | 2.8 | 0.4 | 2.3 | 0.0 | 2.7 | 471.3 | 30.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 817.9 |
| 1998 | 323.7 | 9.0 | 1.2 | 3.6 | 0.0 | 4.8 | 511.5 | 36.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 885.3 |
| 1999 | 349.3 | 11.1 | 1.6 | 3.2 | 0.0 | 4.8 | 531.0 | 17.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 913.5 |
| 2000 | 382.0 | 8.8 | 1.0 | 3.5 | 0.0 | 4.6 | 530.7 | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 941.7 |
| 2001 | 361.3 | 11.3 | 0.5 | 2.3 | 0.0 | 2.9 | 520.8 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 909.0 |
| 2002 | 353.8 | 37.7 | 0.4 | 1.9 | 0.0 | 2.4 | 556.8 | 14.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 965.0 |
| 2003 | 367.7 | 13.9 | 0.2 | 2.6 | 0.5 | 3.3 | 525.4 | 37.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 948.1 |
| 2004 | 387.2 | 32.3 | 0.4 | 2.0 | 4.8 | 7.3 | 533.9 | 24.5 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 988.3 |
| 2005 | 392.3 | 46.6 | 0.5 | 1.9 | 2.7 | 5.0 | 554.5 | 29.4 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,034.7 |
| 2006 | 393.0 | 52.2 | 0.2 | 1.3 | 0.1 | 1.6 | 530.1 | 17.9 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1,001.7 |
| 2007 | 411.1 | 52.7 | 0.3 | 1.9 | 0.0 | 2.1 | 557.8 | 15.4 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1,045.5 |
| 2008 | 415.4 | 47.8 | (s) | 1.0 | 0.6 | 1.6 | 541.1 | 11.1 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1,023.7 |
| 2009 | 348.7 | 77.1 | 0.2 | 1.0 | 3.8 | 5.1 | 545.5 | 22.7 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1,007.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 374 | 25 | 2,941 | 1,145 | 1,370 | 8,561 | 102 | 1,999 | 16,118 | 0 | 1,156 | NA |
| 1965 | 310 | 27 | 3,766 | 1,111 | 1,541 | 8,955 | 71 | 1,437 | 16,881 | 0 | 3,872 | NA |
| 1970 | 338 | 36 | 4,375 | 1,173 | 2,712 | 9,903 | 328 | 1,175 | 19,666 | 0 | 6,579 | NA |
| 1971 | 335 | 32 | 4,610 | 1,207 | 2,675 | 10,244 | 211 | 1,221 | 20,168 | 0 | 7,778 | NA |
| 1972 | 312 | 34 | 4,536 | 1,138 | 3,149 | 10,771 | 343 | 1,290 | 21,226 | 0 | 7,432 | NA |
| 1973 | 385 | 31 | 4,243 | 1,071 | 2,922 | 10,989 | 234 | 1,518 | 20,977 | 0 | 4,837 | NA |
| 1974 | 446 | 32 | 3,691 | 1,102 | 2,780 | 10,702 | 133 | 1,143 | 19,550 | 0 | 5,661 | NA |
| 1975 | 1,888 | 33 | 3,841 | 1,056 | 2,930 | 10,636 | 218 | 1,104 | 19,784 | 0 | 7,927 | NA |
| 1976 | 2,838 | 39 | 3,334 | 1,011 | 3,027 | 10,944 | 307 | 1,217 | 19,840 | 0 | 7,052 | NA |
| 1977 | 2,732 | 36 | 3,013 | 1,083 | 3,773 | 11,298 | 284 | 974 | 20,425 | 0 | 5,294 | NA |
| 1978 | 3,004 | 35 | 3,718 | 1,334 | 3,192 | 11,417 | 283 | 1,233 | 21,177 | 0 | 6,831 | NA |
| 1979 | 2,771 | 26 | 6,359 | 1,326 | 2,453 | 10,772 | 221 | 1,089 | 22,219 | 0 | 6,359 | NA |
| 1980 | 2,827 | 24 | 4,801 | 1,311 | 2,530 | 9,688 | 122 | 909 | 19,362 | 0 | 5,818 | NA |
| 1981 | 2,759 | 22 | 4,414 | 1,136 | 1,779 | 9,192 | 158 | 808 | 17,487 | 0 | 5,306 | 19 |
| 1982 | 2,746 | 25 | 5,076 | 1,138 | 2,231 | 9,060 | 51 | 922 | 18,477 | 0 | 5,426 | 33 |
| 1983 | 2,409 | 23 | 4,473 | 956 | 2,245 | 8,952 | 136 | 813 | 17,574 | 0 | 5,526 | 74 |
| 1984 | 2,719 | 25 | 5,106 | 1,024 | 1,019 | 8,885 | 91 | 1,079 | 17,204 | 0 | 5,722 | 93 |
| 1985 | 2,703 | 25 | 5,154 | 1,019 | 1,241 | 9,279 | 36 | 1,114 | 17,843 | 0 | 5,333 | 98 |
| 1986 | 2,281 | 23 | 6,239 | 516 | 1,567 | 9,004 | 60 | 1,077 | 18,463 | 0 | 5,736 | 138 |
| 1987 | 1,101 | 21 | 6,326 | 669 | 2,358 | 9,016 | 55 | 934 | 19,359 | 0 | 5,386 | 144 |
| 1988 | 2,591 | 24 | 6,450 | 875 | 1,579 | 9,175 | 85 | 1,141 | 19,304 | 0 | 5,286 | 141 |
| 1989 | 2,541 | 26 | 5,889 | 1,024 | 3,623 | 9,126 | 66 | 1,038 | 20,765 | 0 | 4,583 | 163 |
| 1990 | 2,571 | 25 | 5,939 | 1,097 | 3,691 | 8,986 | 60 | 1,054 | 20,828 | 0 | 3,934 | 142 |
| 1991 | 2,863 | 26 | 5,827 | 367 | 1,794 | 9,119 | 67 | 1,001 | 18,175 | 0 | 3,828 | 325 |
| 1992 | 2,670 | 27 | 5,495 | 1,272 | 1,930 | 9,345 | 143 | 1,125 | 19,310 | 0 | 3,612 | 424 |
| 1993 | 2,696 | 31 | 6,134 | 1,190 | 2,591 | 9,565 | 115 | 876 | 20,472 | 0 | 2,591 | 471 |
| 1994 | 3,036 | 31 | 6,516 | 1,305 | 2,298 | 9,839 | 87 | 862 | 20,908 | 0 | 5,129 | 540 |
| 1995 | 2,537 | 34 | 6,255 | 1,463 | 2,294 | 10,007 | 14 | 1,050 | 21,082 | 0 | 6,010 | 506 |
| 1996 | 1,852 | 37 | 6,537 | 1,014 | 2,908 | 10,148 | 40 | 1,361 | 22,008 | 0 | 7,978 | 357 |
| 1997 | 2,442 | 36 | 6,129 | 697 | 2,627 | 10,165 | 64 | 1,582 | 21,264 | 0 | 9,012 | 399 |
| 1998 | 2,316 | 33 | 5,874 | 819 | 2,151 | 10,440 | 101 | 1,512 | 20,897 | 0 | 5,758 | 458 |
| 1999 | 2,649 | 36 | 6,080 | 770 | 1,988 | 10,337 | 88 | 2,123 | 21,385 | 0 | 6,677 | 509 |
| 2000 | 2,815 | 38 | 6,036 | 1,024 | 2,597 | 10,304 | 133 | 1,964 | 22,057 | 0 | 5,716 | 555 |
| 2001 | 2,599 | 37 | 6,317 | 967 | 2,071 | 10,204 | 106 | 1,282 | 20,948 | 0 | 3,432 | 522 |
| 2002 | 2,358 | 42 | 6,792 | 919 | 3,022 | 10,599 | 104 | 1,239 | 22,674 | 0 | 4,354 | 591 |
| 2003 | 2,543 | 44 | 6,084 | 769 | 2,618 | 10,307 | 46 | 1,525 | 21,349 | 0 | 4,276 | 585 |
| 2004 | 2,574 | 42 | 6,555 | 776 | 2,441 | 10,389 | 93 | 1,364 | 21,618 | 0 | 3,598 | 553 |
| 2005 | 2,158 | 43 | 6,850 | 996 | 2,202 | 10,273 | 62 | 2,007 | 22,390 | 0 | 3,075 | 673 |
| 2006 | 2,340 | 41 | 6,844 | 945 | 2,171 | 10,217 | 29 | R 1,862 | R 22,068 | 0 | 3,397 | 631 |
| 2007 | 1,964 | 54 | 7,791 | 880 | 2,409 | 10,330 | 35 | R 1,243 | R 22,688 | 0 | 2,917 | 827 |
| 2008 | 2,562 | R 65 | R 7,298 | 659 | 2,683 | 10,075 | 46 | R 1,356 | R 22,117 | 0 | 2,993 | 954 |
| 2009 | 2,238 | 66 | 7,351 | 707 | 2,737 | 10,689 | 10 | 1,166 | 22,660 | 0 | 4,432 | 981 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 6.7 | 25.4 | 17.1 | 6.1 | 5.5 | 45.0 | 0.6 | 12.0 | 86.4 | 118.5 | *25.4* | *45.0* |
| 1965 | 5.7 | 26.9 | 21.9 | 6.0 | 6.2 | 47.0 | 0.4 | 8.7 | 90.3 | 122.8 | *26.9* | *47.0* |
| 1970 | 5.7 | 36.5 | 25.5 | 6.3 | 10.2 | 52.0 | 2.1 | 7.5 | 103.7 | 145.8 | *36.5* | *52.0* |
| 1971 | 5.8 | 32.0 | 26.9 | 6.5 | 10.1 | 53.8 | 1.3 | 7.9 | 106.5 | 144.2 | *32.0* | *53.8* |
| 1972 | 5.3 | 34.2 | 26.4 | 6.1 | 11.8 | 56.6 | 2.2 | 8.3 | 111.5 | 151.0 | *34.2* | *56.6* |
| 1973 | 6.3 | 31.3 | 24.7 | 5.8 | 10.9 | 57.7 | 1.5 | 9.8 | 110.5 | 148.1 | *31.3* | *57.7* |
| 1974 | 7.4 | 32.0 | 21.5 | 6.0 | 10.4 | 56.2 | 0.8 | 7.3 | 102.2 | 141.6 | *32.0* | *56.2* |
| 1975 | 24.3 | 32.5 | 22.4 | 5.7 | 10.9 | 55.9 | 1.4 | 7.1 | 103.3 | 160.1 | *32.5* | *55.9* |
| 1976 | 37.1 | 39.2 | 19.4 | 5.5 | 11.2 | 57.5 | 1.9 | 7.6 | 103.2 | 179.4 | *39.2* | *57.5* |
| 1977 | 35.6 | 36.1 | 17.6 | 5.9 | 13.9 | 59.3 | 1.8 | 6.1 | 104.5 | 176.2 | *36.1* | *59.3* |
| 1978 | 38.6 | 35.4 | 21.7 | 7.2 | 11.7 | 60.0 | 1.8 | 7.8 | 110.1 | 184.1 | *35.4* | *60.0* |
| 1979 | 35.5 | 25.6 | 37.0 | 7.2 | 9.0 | 56.6 | 1.4 | 7.0 | 118.2 | 179.3 | *25.6* | *56.6* |
| 1980 | 36.6 | 24.0 | 28.0 | 7.1 | 9.3 | 50.9 | 0.8 | 5.8 | 101.8 | 162.4 | *24.0* | *50.9* |
| 1981 | 36.2 | 22.1 | 25.7 | 6.1 | 6.5 | 48.3 | 1.0 | 5.1 | 92.7 | 151.0 | *22.1* | *48.3* |
| 1982 | 37.0 | 25.0 | 29.6 | 6.1 | 8.1 | 47.6 | 0.3 | 5.8 | 97.5 | 159.5 | *25.1* | *47.6* |
| 1983 | 30.7 | 23.6 | 26.1 | 5.2 | 8.1 | 47.0 | 0.9 | 5.1 | 92.3 | 146.6 | *23.6* | *47.0* |
| 1984 | 34.4 | 24.9 | 29.7 | 5.5 | 3.7 | 46.7 | 0.6 | 6.9 | 93.1 | 152.4 | *24.9* | *46.7* |
| 1985 | 34.5 | 25.5 | 30.0 | 5.5 | 4.5 | 48.7 | 0.2 | 7.1 | 96.1 | 156.1 | *25.5* | *48.7* |
| 1986 | 29.2 | 23.4 | 36.3 | 2.8 | 5.7 | 47.3 | 0.4 | 6.9 | 99.4 | 152.1 | *23.4* | *47.3* |
| 1987 | 14.6 | 21.4 | 36.9 | 3.6 | 8.6 | 47.4 | 0.3 | 6.0 | 102.8 | 138.7 | *21.4* | *47.4* |
| 1988 | 33.8 | 24.7 | 37.6 | 4.7 | 5.8 | 48.2 | 0.5 | 7.3 | 104.1 | 162.6 | *24.7* | *48.2* |
| 1989 | 34.3 | 25.9 | 34.3 | 5.5 | 13.3 | 47.9 | 0.4 | 6.6 | 108.2 | 168.4 | *25.9* | *47.9* |
| 1990 | 34.9 | 25.4 | 34.6 | 5.9 | 13.4 | 47.2 | 0.4 | 6.7 | 108.2 | 168.6 | *25.5* | *47.2* |
| 1991 | 38.7 | 26.7 | 33.9 | 2.0 | 6.5 | 47.9 | 0.4 | 6.4 | 97.2 | 162.6 | *26.7* | *47.9* |
| 1992 | 36.0 | 27.0 | 32.0 | 6.9 | 7.0 | 49.1 | 0.9 | 7.3 | 103.1 | 166.2 | *27.0* | *49.1* |
| 1993 | 36.4 | 31.7 | 35.7 | 6.4 | 9.3 | 48.6 | 0.7 | 5.6 | R 106.5 | 174.5 | *31.7* | *50.2* |
| 1994 | 41.4 | 31.2 | 38.0 | 7.1 | 8.4 | R 49.6 | 0.5 | 5.5 | 109.0 | 181.6 | *31.3* | *51.5* |
| 1995 | 37.4 | 34.7 | 36.4 | 7.9 | 8.3 | 50.4 | 0.1 | 6.8 | R 110.0 | 182.1 | *34.8* | *52.2* |
| 1996 | 33.5 | 37.3 | 38.1 | 5.7 | 10.5 | 51.7 | 0.3 | 8.8 | R 115.1 | 185.9 | *37.4* | *52.9* |
| 1997 | 42.9 | 36.8 | 35.7 | 4.0 | 9.5 | 51.6 | 0.4 | 10.3 | R 111.5 | R 191.2 | *36.8* | *53.0* |
| 1998 | 41.0 | 33.4 | 34.2 | 4.6 | 7.8 | 52.8 | 0.6 | 9.9 | R 110.0 | 184.3 | *33.4* | *54.4* |
| 1999 | 46.3 | 36.0 | 35.4 | 4.4 | 7.2 | 52.1 | 0.6 | 13.9 | 113.5 | 195.8 | *36.0* | *53.9* |
| 2000 | 50.6 | 38.1 | 35.2 | 5.8 | 9.4 | R 51.8 | 0.8 | 12.8 | R 115.8 | R 204.5 | *38.1* | *53.7* |
| 2001 | 44.4 | 37.0 | 36.8 | 5.5 | 7.5 | 51.3 | 0.7 | 8.3 | 110.1 | 191.5 | *37.0* | *53.2* |
| 2002 | 40.0 | 41.5 | 39.6 | 5.2 | 10.9 | R 53.2 | 0.7 | 8.1 | R 117.6 | 199.0 | *41.5* | *55.2* |
| 2003 | 43.0 | 43.9 | 35.4 | 4.4 | 9.5 | 51.6 | 0.3 | 10.0 | R 111.2 | R 198.1 | *43.9* | *53.7* |
| 2004 | 43.6 | 41.8 | 38.2 | 4.4 | 8.8 | R 52.3 | 0.6 | 8.9 | 113.1 | R 198.5 | *41.8* | *54.2* |
| 2005 | 37.0 | 42.8 | 39.9 | 5.6 | 8.0 | R 51.3 | 0.4 | 13.2 | 118.3 | 198.1 | *42.9* | *53.6* |
| 2006 | 39.6 | 40.9 | 39.9 | 5.4 | 7.8 | 51.1 | 0.2 | 12.2 | 116.5 | R 197.0 | *40.9* | *53.3* |
| 2007 | 33.3 | 54.1 | 45.4 | 5.0 | 8.6 | 51.0 | 0.2 | 8.1 | R 118.4 | 205.7 | *54.1* | *53.9* |
| 2008 | 43.1 | R 65.5 | R 42.5 | 3.7 | 9.7 | R 49.3 | 0.3 | 8.9 | R 114.3 | R 222.9 | R *65.5* | *52.6* |
| 2009 | 37.5 | 66.3 | 42.8 | 4.0 | 9.7 | 52.4 | 0.1 | 7.6 | 116.6 | 220.4 | *66.3* | *55.8* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 12.4 | 1.5 | NA | NA | 1.5 | 0.0 | NA | NA | 14.0 | -3.4 | 0.0 | 129.1 |
| 1965 | 0.0 | 40.5 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 41.6 | -24.1 | 0.0 | 140.3 |
| 1970 | 0.0 | 69.0 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 70.2 | -47.3 | 0.0 | 168.7 |
| 1971 | 0.0 | 81.5 | 1.1 | NA | NA | 1.1 | 0.0 | NA | NA | 82.6 | -56.7 | 0.0 | 170.1 |
| 1972 | 0.0 | 77.1 | 1.2 | NA | NA | 1.2 | 0.0 | NA | NA | 78.3 | R -50.3 | 0.0 | R 179.0 |
| 1973 | 0.0 | 50.3 | 1.3 | NA | NA | 1.3 | 0.0 | NA | NA | 51.5 | R -23.0 | 0.0 | 176.7 |
| 1974 | 0.0 | 59.1 | 1.3 | NA | NA | 1.3 | 0.0 | NA | NA | 60.4 | R -29.6 | 0.0 | R 172.4 |
| 1975 | 0.0 | 82.5 | 1.5 | NA | NA | 1.5 | 0.0 | NA | NA | 84.0 | R -62.4 | 0.0 | R 181.7 |
| 1976 | 0.0 | 73.1 | 1.7 | NA | NA | 1.7 | 0.0 | NA | NA | 74.8 | -59.0 | 0.0 | R 195.2 |
| 1977 | 0.0 | 55.2 | 1.9 | NA | NA | 1.9 | 0.0 | NA | NA | 57.1 | R -36.6 | 0.0 | R 196.7 |
| 1978 | 0.0 | 70.8 | 2.0 | NA | NA | 2.0 | 0.0 | NA | NA | 72.8 | R -51.5 | 0.0 | 205.4 |
| 1979 | 0.0 | 65.8 | 2.0 | NA | NA | 2.0 | 0.0 | NA | NA | 67.8 | R -42.2 | 0.0 | R 204.9 |
| 1980 | 0.0 | 60.4 | 3.3 | NA | NA | 3.3 | 0.0 | NA | NA | 63.8 | R -35.5 | 0.0 | R 190.6 |
| 1981 | 0.0 | 55.5 | 3.1 | 0.1 | 0.0 | 3.2 | 0.0 | NA | NA | 58.6 | R -31.0 | 0.0 | R 178.6 |
| 1982 | 0.0 | 56.7 | 3.5 | 0.1 | 0.0 | 3.7 | 0.0 | NA | NA | 60.4 | R -28.7 | 0.0 | R 191.2 |
| 1983 | 0.0 | 58.1 | 3.4 | 0.3 | 0.0 | 3.7 | 0.0 | NA | 0.0 | 61.8 | R -23.1 | 0.0 | R 185.3 |
| 1984 | 0.0 | 59.7 | 4.0 | 0.3 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 64.1 | R -27.9 | 0.0 | R 188.6 |
| 1985 | 0.0 | 55.7 | 4.1 | 0.3 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 60.2 | R -21.6 | 0.0 | R 194.7 |
| 1986 | 0.0 | 59.9 | 4.1 | 0.5 | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 64.5 | R -21.6 | 0.0 | R 194.9 |
| 1987 | 0.0 | 56.1 | 3.6 | 0.5 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 60.2 | R -3.9 | 0.0 | R 195.0 |
| 1988 | 0.0 | 54.6 | 3.8 | 0.5 | 0.5 | 4.8 | 0.0 | 0.0 | 0.0 | 59.4 | R -16.7 | 0.0 | R 205.3 |
| 1989 | 0.0 | 47.8 | 3.3 | 0.6 | 0.5 | 4.4 | 0.1 | (s) | 0.0 | 52.3 | R -6.4 | 0.0 | R 214.3 |
| 1990 | 0.0 | 40.9 | 2.2 | 0.5 | 0.5 | 3.2 | 0.2 | (s) | 0.0 | 44.3 | R -1.1 | 0.0 | R 211.7 |
| 1991 | 0.0 | 40.0 | 2.3 | 1.1 | 0.5 | R 3.9 | 0.2 | (s) | 0.0 | 44.1 | R 0.8 | 0.0 | R 207.5 |
| 1992 | 0.0 | 37.4 | 2.4 | 1.5 | 0.5 | 4.4 | 0.2 | (s) | 0.0 | R 41.9 | R 3.3 | 0.0 | R 211.4 |
| 1993 | 0.0 | 26.7 | 2.1 | 1.6 | 0.5 | 4.3 | 0.2 | (s) | 0.0 | 31.2 | R 19.2 | 0.0 | R 225.0 |
| 1994 | 0.0 | 52.9 | 2.1 | 1.9 | 0.8 | 4.8 | 0.2 | (s) | 0.0 | R 57.9 | R -7.4 | 0.0 | R 232.1 |
| 1995 | 0.0 | 62.0 | 2.1 | 1.8 | 0.8 | 4.7 | 0.2 | (s) | 0.0 | R 66.9 | R -11.3 | 0.0 | R 237.7 |
| 1996 | 0.0 | 82.5 | 2.2 | 1.2 | 0.8 | R 4.2 | 0.3 | (s) | 0.0 | R 87.0 | R -24.0 | 0.0 | R 249.0 |
| 1997 | 0.0 | 92.0 | 1.9 | 1.4 | 0.7 | 4.0 | 0.3 | (s) | 0.0 | R 96.3 | R -43.3 | 0.3 | R 244.5 |
| 1998 | 0.0 | 58.7 | 1.6 | 1.6 | 0.9 | R 4.1 | 0.4 | (s) | 0.0 | R 63.2 | R -8.2 | -0.1 | R 239.3 |
| 1999 | 0.0 | 68.3 | 1.7 | 1.8 | 0.9 | R 4.4 | 0.4 | (s) | 0.0 | R 73.1 | R -21.2 | 0.8 | R 248.5 |
| 2000 | 0.0 | 58.3 | 1.8 | 1.9 | 1.0 | R 4.7 | 0.4 | (s) | 0.0 | 63.5 | R -8.6 | (s) | R 259.4 |
| 2001 | 0.0 | 35.5 | 1.8 | 1.8 | 1.5 | R 5.1 | 0.5 | (s) | (s) | 41.1 | R 16.2 | (s) | R 248.8 |
| 2002 | 0.0 | 44.3 | 1.7 | 2.1 | 3.7 | R 7.4 | 0.5 | (s) | 0.1 | R 52.3 | R 17.6 | (s) | R 268.9 |
| 2003 | 0.0 | 43.8 | 1.8 | 2.0 | 9.1 | R 12.9 | 0.6 | (s) | 0.5 | R 57.7 | R 15.4 | 0.0 | R 271.3 |
| 2004 | 0.0 | 36.1 | 1.8 | 1.9 | 18.3 | R 22.0 | 0.7 | (s) | 1.6 | R 60.4 | R 21.5 | (s) | R 280.4 |
| 2005 | 0.0 | 30.7 | R 1.5 | 2.3 | 24.7 | R 28.6 | 0.8 | (s) | 1.6 | R 61.7 | R 37.7 | (s) | R 297.6 |
| 2006 | 0.0 | 33.7 | R 1.4 | 2.2 | 32.2 | R 35.8 | 0.9 | (s) | 1.5 | R 71.8 | R 34.5 | 0.0 | R 303.3 |
| 2007 | 0.0 | 28.8 | R 1.6 | 2.9 | 34.3 | R 38.7 | 0.9 | (s) | 1.5 | R 70.0 | R 49.7 | (s) | R 325.4 |
| 2008 | 0.0 | 29.5 | R 1.6 | 3.3 | 45.5 | R 50.4 | 1.5 | (s) | 1.4 | R 82.8 | R 44.1 | 0.0 | R 349.9 |
| 2009 | 0.0 | 43.3 | 1.6 | 3.4 | 52.6 | 57.6 | 1.6 | (s) | 4.1 | 106.5 | 32.9 | (s) | 359.9 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 128 | 20 | 2,934 | 1,145 | 1,370 | 8,561 | 61 | 1,999 | 16,071 | 20 | – – | – – | – – | – – | 1,514 | – – | – – | – – |
| 1965 | 73 | 24 | 3,758 | 1,111 | 1,541 | 8,955 | 24 | 1,437 | 16,826 | 38 | – – | – – | – – | – – | 2,074 | – – | – – | – – |
| 1970 | 37 | 32 | 4,327 | 1,173 | 2,712 | 9,903 | 57 | 1,175 | 19,348 | 35 | – – | – – | – – | – – | 2,803 | – – | – – | – – |
| 1975 | 84 | 29 | 3,774 | 1,056 | 2,930 | 10,636 | 73 | 1,104 | 19,572 | 36 | – – | – – | – – | – – | 4,057 | – – | – – | – – |
| 1980 | 144 | 24 | 4,743 | 1,311 | 2,530 | 9,688 | 114 | 909 | 19,295 | 32 | – – | – – | – – | – – | 5,084 | – – | – – | – – |
| 1985 | 296 | 25 | 5,115 | 1,019 | 1,241 | 9,279 | 35 | 1,114 | 17,804 | 32 | – – | – – | – – | – – | 5,650 | – – | – – | – – |
| 1990 | 226 | 25 | 5,907 | 1,097 | 3,691 | 8,986 | 60 | 1,054 | 20,795 | 0 | – – | – – | – – | – – | 6,334 | – – | – – | – – |
| 1995 | 400 | 33 | 6,207 | 1,463 | 2,294 | 10,007 | 14 | 1,050 | 21,034 | 0 | – – | – – | – – | – – | 7,414 | – – | – – | – – |
| 2000 | 604 | 34 | 5,900 | 1,024 | 2,597 | 10,304 | 133 | 1,964 | 21,921 | 0 | – – | – – | – – | – – | 8,283 | – – | – – | – – |
| 2001 | 387 | 33 | 6,210 | 967 | 2,071 | 10,204 | 106 | 1,282 | 20,841 | 0 | – – | – – | – – | – – | 8,627 | – – | – – | – – |
| 2002 | 308 | 40 | 6,774 | 919 | 3,022 | 10,599 | 104 | 1,239 | 22,656 | 0 | – – | – – | – – | – – | 8,937 | – – | – – | – – |
| 2003 | 369 | 42 | 6,041 | 769 | 2,618 | 10,307 | 46 | 1,525 | 21,306 | 0 | – – | – – | – – | – – | 9,080 | – – | – – | – – |
| 2004 | 246 | 40 | 6,499 | 776 | 2,441 | 10,389 | 93 | 1,364 | 21,562 | 0 | – – | – – | – – | – – | 9,214 | – – | – – | – – |
| 2005 | 278 | 39 | 6,798 | 996 | 2,201 | 10,273 | 62 | 2,007 | 22,338 | 0 | – – | – – | – – | – – | 9,811 | – – | – – | – – |
| 2006 | 276 | 37 | 6,825 | 945 | 2,171 | 10,217 | 29 | 1,862 | 22,049 | 0 | – – | – – | – – | – – | 10,056 | – – | – – | – – |
| 2007 | 273 | 50 | 7,652 | 880 | 2,409 | 10,330 | 35 | 1,243 | 22,548 | 0 | – – | – – | – – | – – | 10,603 | – – | – – | – – |
| 2008 | 203 | 63 | 7,248 | 659 | 2,683 | 10,075 | 46 | 1,356 | 22,067 | 0 | – – | – – | – – | – – | 10,974 | – – | – – | – – |
| 2009 | 132 | 65 | 7,327 | 707 | 2,737 | 10,689 | 10 | 1,166 | 22,637 | 0 | – – | – – | – – | – – | 11,010 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 2.5 | 20.8 | 17.1 | 6.1 | 5.5 | 45.0 | 0.4 | 12.0 | 86.1 | 0.2 | 1.5 | NA | NA | NA | 5.2 | 116.3 | 12.8 | 129.1 |
| 1965 | 1.4 | 23.5 | 21.9 | 6.0 | 6.2 | 47.0 | 0.2 | 8.7 | 89.9 | 0.4 | 1.1 | NA | NA | NA | 7.1 | 123.4 | 16.9 | 140.3 |
| 1970 | 0.7 | 32.1 | 25.2 | 6.3 | 10.2 | 52.0 | 0.4 | 7.5 | 101.7 | 0.4 | 1.1 | NA | NA | NA | 9.6 | 145.5 | 23.1 | 168.7 |
| 1975 | 1.5 | 29.3 | 22.0 | 5.7 | 10.9 | 55.9 | 0.5 | 7.1 | 102.0 | 0.4 | 1.5 | NA | NA | NA | 13.8 | 148.5 | 33.2 | 181.7 |
| 1980 | 2.8 | 23.8 | 27.6 | 7.1 | 9.3 | 50.9 | 0.7 | 5.8 | 101.4 | 0.3 | 3.3 | NA | NA | NA | 17.3 | 148.9 | 41.7 | 190.6 |
| 1985 | 5.1 | 25.4 | 29.8 | 5.5 | 4.5 | 48.7 | 0.2 | 7.1 | 95.9 | 0.3 | 4.1 | 0.0 | NA | NA | 19.3 | 150.5 | 44.2 | 194.7 |
| 1990 | 3.9 | 25.2 | 34.4 | 5.9 | 13.4 | 47.2 | 0.4 | 6.7 | 108.0 | 0.0 | 2.2 | 0.5 | 0.2 | (s) | 21.6 | 162.1 | 49.6 | 211.7 |
| 1995 | 6.9 | 33.8 | 36.2 | 7.9 | 8.3 | 52.2 | 0.1 | 6.8 | 111.5 | 0.0 | 2.1 | 0.8 | 0.2 | (s) | 25.3 | 180.6 | 57.1 | 237.7 |
| 2000 | 12.6 | 34.5 | 34.4 | 5.8 | 9.4 | 53.7 | 0.8 | 12.8 | 116.9 | 0.0 | 1.8 | 1.0 | 0.4 | (s) | 28.3 | 195.4 | 63.9 | 259.4 |
| 2001 | 6.6 | 32.4 | 36.2 | 5.5 | 7.5 | 53.2 | 0.7 | 8.3 | 111.3 | 0.0 | 1.8 | 1.5 | 0.5 | (s) | 29.4 | 183.5 | 65.2 | 248.8 |
| 2002 | 5.2 | 40.3 | 39.5 | 5.2 | 10.9 | 55.2 | 0.7 | 8.1 | 119.5 | 0.0 | 1.7 | 3.7 | 0.5 | (s) | 30.5 | 201.3 | 67.6 | 268.9 |
| 2003 | 6.2 | 41.8 | 35.2 | 4.4 | 9.5 | 53.7 | 0.3 | 10.0 | 113.0 | 0.0 | 1.8 | 9.1 | 0.6 | (s) | 31.0 | 203.3 | 68.0 | 271.3 |
| 2004 | 4.1 | 40.1 | 37.9 | 4.4 | 8.8 | 54.2 | 0.6 | 8.9 | 114.7 | 0.0 | 1.8 | 18.3 | 0.7 | (s) | 31.4 | 211.2 | 69.1 | 280.4 |
| 2005 | 4.6 | 39.3 | 39.6 | 5.6 | 8.0 | 53.6 | 0.4 | 13.2 | 120.4 | 0.0 | 1.5 | 24.7 | 0.8 | (s) | 33.5 | 224.8 | 72.8 | 297.6 |
| 2006 | 4.6 | 37.5 | 39.8 | 5.4 | 7.8 | 53.3 | 0.2 | 12.2 | 118.6 | 0.0 | 1.4 | 32.2 | 0.9 | (s) | 34.3 | 229.5 | 73.8 | 303.3 |
| 2007 | 4.6 | 49.8 | 44.6 | 5.0 | 8.6 | 53.9 | 0.2 | 8.1 | 120.4 | 0.0 | 1.6 | 34.3 | 0.9 | (s) | 36.2 | 247.8 | 77.6 | 325.4 |
| 2008 | 3.5 | 62.9 | 42.2 | 3.7 | 9.7 | 52.6 | 0.3 | 8.9 | 117.3 | 0.0 | 1.6 | 45.5 | 1.5 | (s) | 37.4 | 269.7 | 80.1 | 349.9 |
| 2009 | 2.3 | 65.4 | 42.7 | 4.0 | 9.7 | 55.8 | 0.1 | 7.6 | 119.9 | 0.0 | 1.6 | 52.6 | 1.6 | (s) | 37.6 | 280.8 | 79.1 | 359.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 72 | 8 | 567 | 903 | 1,053 | 2,524 | 61 | – – | – – | 847 | – – | – – | – – |
| 1965 | 39 | 10 | 677 | 524 | 1,182 | 2,383 | 42 | – – | – – | 1,183 | – – | – – | – – |
| 1970 | 18 | 14 | 763 | 14 | 1,984 | 2,761 | 33 | – – | – – | 1,586 | – – | – – | – – |
| 1975 | 7 | 12 | 574 | 3 | 1,969 | 2,545 | 35 | – – | – – | 2,068 | – – | – – | – – |
| 1980 | 4 | 11 | 762 | 10 | 1,150 | 1,922 | 127 | – – | – – | 2,623 | – – | – – | – – |
| 1985 | 4 | 11 | 772 | 35 | 694 | 1,501 | 160 | – – | – – | 2,769 | – – | – – | – – |
| 1990 | 1 | 10 | 936 | 4 | 1,709 | 2,648 | 89 | – – | – – | 2,866 | – – | – – | – – |
| 1995 | 1 | 13 | 501 | 4 | 1,366 | 1,871 | 78 | – – | – – | 3,268 | – – | – – | – – |
| 1996 | (s) | 14 | 623 | 5 | 1,833 | 2,461 | 81 | – – | – – | 3,426 | – – | – – | – – |
| 1997 | (s) | 13 | 463 | 6 | 1,774 | 2,243 | 64 | – – | – – | 3,376 | – – | – – | – – |
| 1998 | 0 | 12 | 382 | 5 | 1,431 | 1,819 | 57 | – – | – – | 3,303 | – – | – – | – – |
| 1999 | (s) | 12 | 336 | 4 | 1,377 | 1,718 | 60 | – – | – – | 3,302 | – – | – – | – – |
| 2000 | (s) | 13 | 351 | 4 | 1,643 | 1,997 | 65 | – – | – – | 3,423 | – – | – – | – – |
| 2001 | 1 | 12 | 366 | 4 | 1,358 | 1,728 | 62 | – – | – – | 3,580 | – – | – – | – – |
| 2002 | (s) | 13 | 267 | 3 | 1,577 | 1,847 | 63 | – – | – – | 3,733 | – – | – – | – – |
| 2003 | (s) | 13 | 305 | 2 | 1,531 | 1,838 | 67 | – – | – – | 3,740 | – – | – – | – – |
| 2004 | (s) | 12 | 246 | 3 | 1,252 | 1,501 | 68 | – – | – – | 3,696 | – – | – – | – – |
| 2005 | (s) | 12 | 229 | 3 | 1,230 | 1,462 | R 58 | – – | – – | 3,973 | – – | – – | – – |
| 2006 | (s) | 12 | 219 | 2 | 1,136 | 1,358 | R 53 | – – | – – | 4,051 | – – | – – | – – |
| 2007 | (s) | 12 | 177 | 2 | 1,273 | 1,452 | R 58 | – – | – – | 4,261 | – – | – – | – – |
| 2008 | 1 | 14 | R 187 | 1 | 1,704 | R 1,892 | R 61 | – – | – – | 4,406 | – – | – – | – – |
| 2009 | 1 | 14 | 129 | 1 | 1,569 | 1,699 | 58 | – – | – – | 4,511 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 1.4 | 7.9 | 3.3 | 5.1 | 4.2 | 12.6 | 1.2 | NA | NA | 2.9 | 26.1 | 7.1 | 33.2 |
| 1965 | 0.8 | 10.1 | 3.9 | 3.0 | 4.7 | 11.7 | 0.8 | NA | NA | 4.0 | 27.3 | 9.6 | 37.0 |
| 1970 | 0.3 | 13.8 | 4.4 | 0.1 | 7.5 | 12.0 | 0.7 | NA | NA | 5.4 | 32.3 | 13.1 | 45.3 |
| 1975 | 0.1 | 12.0 | 3.3 | (s) | 7.3 | 10.7 | 0.7 | NA | NA | 7.1 | 30.5 | R 16.9 | R 47.4 |
| 1980 | 0.1 | 10.5 | 4.4 | 0.1 | 4.2 | 8.7 | 2.5 | NA | NA | 8.9 | 30.8 | R 21.5 | R 52.3 |
| 1985 | 0.1 | 11.5 | 4.5 | 0.2 | 2.5 | 7.2 | 3.2 | NA | NA | 9.4 | 31.4 | R 21.6 | R 53.0 |
| 1990 | (s) | 10.4 | 5.5 | (s) | 6.2 | 11.7 | 1.8 | (s) | (s) | 9.8 | 33.6 | R 22.4 | R 56.1 |
| 1995 | (s) | 12.8 | 2.9 | (s) | 4.9 | 7.9 | 1.6 | (s) | (s) | 11.2 | 33.4 | R 25.2 | R 58.6 |
| 1996 | (s) | 14.3 | 3.6 | (s) | 6.6 | 10.3 | 1.6 | (s) | (s) | 11.7 | 37.9 | R 26.4 | R 64.3 |
| 1997 | (s) | 13.4 | 2.7 | (s) | 6.4 | 9.1 | 1.3 | 0.1 | (s) | 11.5 | 35.4 | R 25.9 | R 61.4 |
| 1998 | 0.0 | 11.7 | 2.2 | (s) | 5.2 | 7.4 | 1.1 | 0.1 | (s) | 11.3 | 31.6 | R 25.4 | R 57.0 |
| 1999 | (s) | 11.8 | 2.0 | (s) | 5.0 | 7.0 | 1.2 | 0.1 | (s) | 11.3 | 31.3 | R 25.6 | R 56.9 |
| 2000 | (s) | 12.7 | 2.0 | (s) | 5.9 | 8.0 | 1.3 | 0.1 | (s) | 11.7 | 33.7 | R 26.4 | R 60.1 |
| 2001 | (s) | 12.3 | 2.1 | (s) | 4.9 | 7.1 | 1.2 | 0.1 | (s) | 12.2 | 32.9 | R 27.1 | R 60.0 |
| 2002 | (s) | 12.9 | 1.6 | (s) | 5.7 | 7.3 | 1.3 | 0.1 | (s) | 12.7 | 34.3 | R 28.2 | R 62.5 |
| 2003 | (s) | 13.2 | 1.8 | (s) | 5.6 | 7.3 | 1.3 | 0.1 | (s) | 12.8 | 34.7 | R 28.0 | R 62.7 |
| 2004 | (s) | 12.3 | 1.4 | (s) | 4.5 | 6.0 | 1.4 | 0.1 | (s) | 12.6 | 32.4 | R 27.7 | R 60.1 |
| 2005 | (s) | 12.3 | 1.3 | (s) | 4.5 | 5.8 | R 1.2 | 0.1 | (s) | 13.6 | R 33.0 | R 29.5 | R 62.4 |
| 2006 | (s) | 11.5 | 1.3 | (s) | 4.1 | 5.4 | R 1.1 | 0.2 | (s) | 13.8 | R 32.0 | R 29.7 | R 61.7 |
| 2007 | (s) | 12.4 | 1.0 | (s) | 4.6 | 5.6 | R 1.2 | 0.2 | (s) | 14.5 | R 33.9 | R 31.2 | R 65.1 |
| 2008 | (s) | 13.6 | 1.1 | (s) | 6.1 | 7.2 | R 1.2 | 0.3 | (s) | 15.0 | R 37.5 | R 32.2 | R 69.7 |
| 2009 | (s) | 13.6 | 0.8 | (s) | 5.6 | 6.3 | 1.2 | 0.4 | (s) | 15.4 | 37.0 | 32.4 | 69.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 50 | 7 | 226 | 0 | 202 | 37 | 16 | 480 | NA | – – | – – | 409 | – – | – – | – – |
| 1965 | 29 | 9 | 269 | 0 | 227 | 46 | 8 | 549 | NA | – – | – – | 645 | – – | – – | – – |
| 1970 | 14 | 11 | 303 | 0 | 381 | 50 | 16 | 750 | NA | – – | – – | 937 | – – | – – | – – |
| 1975 | 17 | 11 | 228 | 0 | 378 | 58 | 20 | 684 | NA | – – | – – | 995 | – – | – – | – – |
| 1980 | 13 | 9 | 365 | 0 | 221 | 65 | 19 | 670 | NA | – – | – – | 1,139 | – – | – – | – – |
| 1985 | 13 | 10 | 288 | 1 | 133 | 98 | 19 | 539 | NA | – – | – – | 1,863 | – – | – – | – – |
| 1990 | 2 | 9 | 242 | (s) | 328 | 78 | 24 | 672 | 0 | – – | – – | 1,811 | – – | – – | – – |
| 1995 | 6 | 11 | 301 | 1 | 262 | 11 | 2 | 577 | 0 | – – | – – | 2,424 | – – | – – | – – |
| 1996 | 1 | 12 | 251 | 1 | 352 | 11 | 0 | 614 | 0 | – – | – – | 2,525 | – – | – – | – – |
| 1997 | 1 | 10 | 263 | 1 | 340 | 11 | 8 | 623 | 0 | – – | – – | 2,555 | – – | – – | – – |
| 1998 | 0 | 9 | 237 | (s) | 275 | 11 | 5 | 529 | 0 | – – | – – | 2,653 | – – | – – | – – |
| 1999 | 1 | 10 | 202 | 1 | 264 | 11 | 8 | 486 | 0 | – – | – – | 2,671 | – – | – – | – – |
| 2000 | 1 | 10 | 195 | 1 | 315 | 11 | 69 | 591 | 0 | – – | – – | 2,857 | – – | – – | – – |
| 2001 | 8 | 10 | 251 | 1 | 261 | 30 | 5 | 548 | 0 | – – | – – | 3,380 | – – | – – | – – |
| 2002 | 1 | 10 | 180 | 2 | 303 | 28 | (s) | 512 | 0 | – – | – – | 3,600 | – – | – – | – – |
| 2003 | 1 | 10 | 127 | 2 | 387 | 12 | 0 | 528 | 0 | – – | – – | 3,713 | – – | – – | – – |
| 2004 | 1 | 10 | 194 | 2 | 190 | 12 | 13 | 410 | 0 | – – | – – | 3,627 | – – | – – | – – |
| 2005 | 1 | 10 | 204 | 3 | 185 | 12 | (s) | 404 | 0 | – – | – – | 3,998 | – – | – – | – – |
| 2006 | 1 | 10 | 158 | 1 | 204 | 12 | 1 | 376 | 0 | – – | – – | 4,054 | – – | – – | – – |
| 2007 | 1 | 10 | 225 | (s) | 289 | 12 | 12 | 538 | 0 | – – | – – | 4,181 | – – | – – | – – |
| 2008 | 8 | 11 | R 168 | (s) | 342 | 12 | 9 | R 531 | 0 | – – | – – | 4,240 | – – | – – | – – |
| 2009 | 7 | 12 | 176 | (s) | 425 | 12 | 4 | 616 | 0 | – – | – – | 4,238 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 1.0 | 7.5 | 1.3 | 0.0 | 0.8 | 0.2 | 0.1 | 2.4 | NA | (s) | NA | 1.4 | 12.3 | 3.4 | 15.7 |
| 1965 | 0.6 | 8.8 | 1.6 | 0.0 | 0.9 | 0.2 | (s) | 2.8 | NA | (s) | NA | 2.2 | 14.3 | 5.3 | 19.6 |
| 1970 | 0.3 | 11.4 | 1.8 | 0.0 | 1.4 | 0.3 | 0.1 | 3.6 | NA | (s) | NA | 3.2 | 18.4 | 7.7 | 26.2 |
| 1975 | 0.3 | 11.5 | 1.3 | 0.0 | 1.4 | 0.3 | 0.1 | 3.2 | NA | (s) | NA | 3.4 | 18.3 | R 8.1 | 26.5 |
| 1980 | 0.2 | 8.5 | 2.1 | 0.0 | 0.8 | 0.3 | 0.1 | 3.4 | NA | 0.1 | NA | 3.9 | 16.1 | R 9.3 | R 25.4 |
| 1985 | 0.3 | 10.1 | 1.7 | (s) | 0.5 | 0.5 | 0.1 | 2.8 | NA | 0.1 | NA | 6.4 | 19.6 | 14.6 | R 34.1 |
| 1990 | (s) | 8.7 | 1.4 | (s) | 1.2 | 0.4 | 0.2 | 3.2 | 0.0 | 0.2 | 0.1 | 6.2 | 18.4 | R 14.2 | R 32.6 |
| 1995 | 0.1 | 10.8 | 1.8 | (s) | 0.9 | 0.1 | (s) | 2.8 | 0.0 | 0.2 | 0.2 | 8.3 | 22.4 | R 18.7 | R 41.1 |
| 1996 | (s) | 11.8 | 1.5 | (s) | 1.3 | 0.1 | 0.0 | 2.8 | 0.0 | 0.2 | 0.2 | 8.6 | 23.6 | R 19.5 | R 43.1 |
| 1997 | (s) | 10.6 | 1.5 | (s) | 1.2 | 0.1 | 0.1 | 2.9 | 0.0 | 0.2 | 0.2 | 8.7 | 22.7 | R 19.6 | R 42.3 |
| 1998 | 0.0 | 9.3 | 1.4 | (s) | 1.0 | 0.1 | (s) | 2.5 | 0.0 | 0.2 | 0.3 | 9.1 | 21.4 | R 20.4 | R 41.8 |
| 1999 | (s) | 9.6 | 1.2 | (s) | 1.0 | 0.1 | (s) | 2.2 | 0.0 | 0.2 | 0.3 | 9.1 | 21.5 | R 20.7 | R 42.2 |
| 2000 | (s) | 10.2 | 1.1 | (s) | 1.1 | 0.1 | 0.4 | 2.8 | 0.0 | 0.2 | 0.3 | 9.7 | 23.2 | R 22.0 | R 45.3 |
| 2001 | 0.2 | 9.7 | 1.5 | (s) | 0.9 | 0.2 | (s) | 2.6 | 0.0 | 0.2 | 0.3 | 11.5 | 24.6 | R 25.6 | R 50.1 |
| 2002 | (s) | 10.3 | 1.0 | (s) | 1.1 | 0.1 | (s) | 2.3 | 0.0 | 0.2 | 0.4 | 12.3 | 25.5 | R 27.2 | R 52.7 |
| 2003 | (s) | 10.4 | 0.7 | (s) | 1.4 | 0.1 | 0.0 | 2.2 | 0.0 | 0.2 | 0.5 | 12.7 | 26.0 | R 27.8 | R 53.8 |
| 2004 | (s) | 10.0 | 1.1 | (s) | 0.7 | 0.1 | 0.1 | 2.0 | 0.0 | 0.2 | 0.5 | 12.4 | 25.1 | R 27.2 | R 52.3 |
| 2005 | (s) | 9.9 | 1.2 | (s) | 0.7 | 0.1 | (s) | 1.9 | 0.0 | R 0.2 | 0.6 | 13.6 | R 26.3 | R 29.7 | R 56.0 |
| 2006 | (s) | 9.6 | 0.9 | (s) | 0.7 | 0.1 | (s) | 1.7 | 0.0 | 0.2 | 0.7 | 13.8 | 26.0 | R 29.7 | R 55.7 |
| 2007 | (s) | 10.4 | 1.3 | (s) | 1.0 | 0.1 | 0.1 | 2.5 | 0.0 | R 0.2 | 0.7 | 14.3 | R 28.0 | R 30.6 | R 58.6 |
| 2008 | 0.2 | 11.4 | 1.0 | (s) | 1.2 | 0.1 | 0.1 | 2.3 | 0.0 | R 0.2 | 0.8 | 14.5 | R 29.4 | R 31.0 | R 60.4 |
| 2009 | 0.2 | 11.6 | 1.0 | (s) | 1.5 | 0.1 | (s) | 2.6 | 0.0 | 0.2 | 0.9 | 14.5 | 29.9 | 30.4 | 60.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 5 | 5 | 1,780 | 93 | 2,615 | 35 | 816 | 5,339 | 20 | – – | – – | – – | 258 | – – | – – | – – |
| 1965 | 4 | 5 | 2,177 | 108 | 2,455 | 15 | 642 | 5,397 | 38 | – – | – – | – – | 246 | – – | – – | – – |
| 1970 | 5 | 7 | 2,332 | 298 | 2,209 | 35 | 911 | 5,784 | 35 | – – | – – | – – | 281 | – – | – – | – – |
| 1975 | 59 | 6 | 1,635 | 527 | 1,626 | 52 | 884 | 4,725 | 36 | – – | – – | – – | 994 | – – | – – | – – |
| 1980 | 127 | 5 | 1,640 | 1,090 | 1,473 | 95 | 646 | 4,943 | 32 | – – | – – | – – | 1,322 | – – | – – | – – |
| 1985 | 279 | 4 | 1,734 | 389 | 694 | 16 | 850 | 3,683 | 32 | – – | – – | – – | 1,019 | – – | – – | – – |
| 1990 | 223 | 6 | 2,377 | 1,632 | 489 | 36 | 797 | 5,330 | 0 | – – | – – | – – | 1,657 | – – | – – | – – |
| 1995 | 393 | 7 | 2,202 | 652 | 534 | 11 | 847 | 4,246 | 0 | – – | – – | – – | 1,722 | – – | – – | – – |
| 1996 | 398 | 8 | 2,284 | 709 | 540 | 40 | 1,155 | 4,728 | 0 | – – | – – | – – | 1,785 | – – | – – | – – |
| 1997 | 436 | 8 | 2,055 | 503 | 566 | 55 | 1,371 | 4,551 | 0 | – – | – – | – – | 1,841 | – – | – – | – – |
| 1998 | 450 | 6 | 1,913 | 433 | 386 | 95 | 1,310 | 4,137 | 0 | – – | – – | – – | 1,868 | – – | – – | – – |
| 1999 | 489 | 6 | 2,036 | 341 | 446 | 80 | 1,894 | 4,797 | 0 | – – | – – | – – | 1,949 | – – | – – | – – |
| 2000 | 602 | 5 | 1,930 | 625 | 418 | 63 | 1,746 | 4,783 | 0 | – – | – – | – – | 2,003 | – – | – – | – – |
| 2001 | 378 | 5 | 1,978 | 440 | 631 | 101 | 1,086 | 4,237 | 0 | – – | – – | – – | 1,666 | – – | – – | – – |
| 2002 | 306 | 11 | 1,776 | 1,117 | 627 | 103 | 1,058 | 4,681 | 0 | – – | – – | – – | 1,604 | – – | – – | – – |
| 2003 | 368 | 12 | 1,701 | 684 | 692 | 46 | 1,350 | 4,473 | 0 | – – | – – | – – | 1,627 | – – | – – | – – |
| 2004 | 245 | 12 | 1,748 | 989 | 829 | 80 | 1,183 | 4,830 | 0 | – – | – – | – – | 1,891 | – – | – – | – – |
| 2005 | 277 | 11 | 1,804 | 773 | 791 | 62 | 1,833 | 5,263 | 0 | – – | – – | – – | 1,840 | – – | – – | – – |
| 2006 | 275 | 11 | 1,696 | 818 | 845 | 28 | R 1,674 | R 5,061 | 0 | – – | – – | – – | 1,952 | – – | – – | – – |
| 2007 | 272 | 21 | 2,108 | 830 | 557 | 22 | R 1,053 | R 4,570 | 0 | – – | – – | – – | 2,161 | – – | – – | – – |
| 2008 | 194 | R 33 | R 1,813 | R 596 | 402 | 37 | R 1,192 | R 4,040 | 0 | – – | – – | – – | 2,328 | – – | – – | – – |
| 2009 | 124 | 37 | 1,911 | 705 | 421 | 6 | 1,028 | 4,071 | 0 | – – | – – | – – | 2,260 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 0.1 | 5.3 | 10.4 | 0.4 | 13.7 | 0.2 | 5.3 | 30.0 | 0.2 | 0.3 | NA | NA | 0.9 | 36.9 | 2.2 | 39.0 |
| 1965 | 0.1 | 4.7 | 12.7 | 0.4 | 12.9 | 0.1 | 4.2 | 30.3 | 0.4 | 0.3 | NA | NA | 0.8 | 36.6 | 2.0 | 38.6 |
| 1970 | 0.1 | 6.8 | 13.6 | 1.1 | 11.6 | 0.2 | 6.0 | 32.6 | 0.4 | 0.5 | NA | NA | 1.0 | 41.3 | 2.3 | 43.6 |
| 1975 | 1.1 | 5.8 | 9.5 | 2.0 | 8.5 | 0.3 | 5.9 | 26.2 | 0.4 | 0.8 | NA | NA | 3.4 | 37.7 | R 8.1 | 45.8 |
| 1980 | 2.4 | 4.7 | 9.6 | 4.0 | 7.7 | 0.6 | 4.3 | 26.2 | 0.3 | 0.7 | NA | NA | 4.5 | 38.8 | R 10.8 | 49.7 |
| 1985 | 4.8 | 3.6 | 10.1 | 1.4 | 3.6 | 0.1 | 5.6 | 20.9 | 0.3 | 0.9 | 0.0 | NA | 3.5 | 34.0 | 8.0 | 42.0 |
| 1990 | 3.9 | 6.0 | 13.8 | 5.9 | 2.6 | 0.2 | 5.3 | 27.8 | 0.0 | 0.2 | 0.5 | (s) | 5.7 | 44.2 | R 13.0 | R 57.1 |
| 1995 | 6.8 | 7.4 | 12.8 | 2.4 | 2.8 | 0.1 | 5.6 | 23.6 | 0.0 | 0.3 | 0.8 | (s) | 5.9 | 44.9 | 13.3 | R 58.1 |
| 1996 | 6.9 | 7.7 | 13.3 | 2.6 | 2.8 | 0.3 | 7.6 | 26.6 | 0.0 | 0.3 | 0.8 | (s) | 6.1 | 48.4 | 13.8 | R 62.2 |
| 1997 | 7.6 | 8.0 | 12.0 | 1.8 | 2.9 | 0.3 | 9.1 | 26.2 | 0.0 | 0.4 | 0.7 | (s) | 6.3 | 49.1 | R 14.1 | R 63.3 |
| 1998 | 7.9 | 6.5 | 11.1 | 1.6 | 2.0 | 0.6 | 8.7 | 24.0 | 0.0 | 0.3 | 0.9 | (s) | 6.4 | 46.0 | R 14.4 | R 60.3 |
| 1999 | 8.6 | 5.9 | 11.9 | 1.2 | 2.3 | 0.5 | 12.6 | 28.5 | 0.0 | 0.3 | 0.9 | 0.1 | 6.6 | 50.9 | R 15.1 | R 66.0 |
| 2000 | 12.6 | 5.3 | 11.2 | 2.3 | 2.2 | 0.4 | 11.6 | 27.6 | 0.0 | 0.3 | 1.0 | 0.1 | 6.8 | R 53.7 | 15.5 | R 69.2 |
| 2001 | 6.4 | 4.7 | 11.5 | 1.6 | 3.3 | 0.6 | 7.2 | 24.2 | 0.0 | 0.3 | 1.5 | 0.1 | 5.7 | 42.9 | R 12.6 | R 55.5 |
| 2002 | 5.2 | 11.1 | 10.3 | 4.0 | 3.3 | 0.7 | 7.0 | 25.3 | 0.0 | 0.2 | 3.7 | 0.1 | 5.5 | 50.9 | R 12.1 | R 63.0 |
| 2003 | 6.2 | 11.8 | 9.9 | 2.5 | 3.6 | 0.3 | 8.9 | 25.2 | 0.0 | 0.2 | 9.1 | (s) | 5.6 | R 58.0 | 12.2 | R 70.2 |
| 2004 | 4.1 | 11.6 | 10.2 | 3.6 | 4.3 | 0.5 | 7.8 | 26.4 | 0.0 | 0.2 | 18.3 | (s) | 6.5 | R 67.1 | R 14.2 | R 81.3 |
| 2005 | 4.6 | 11.3 | 10.5 | 2.8 | 4.1 | 0.4 | 12.1 | 30.0 | 0.0 | 0.2 | 24.7 | (s) | 6.3 | R 77.1 | R 13.6 | R 90.7 |
| 2006 | 4.6 | 11.0 | 9.9 | 3.0 | 4.4 | 0.2 | 11.1 | 28.5 | 0.0 | 0.2 | 32.2 | (s) | 6.7 | R 83.1 | R 14.3 | R 97.4 |
| 2007 | 4.6 | 21.3 | 12.3 | 3.0 | 2.9 | 0.1 | 7.0 | 25.3 | 0.0 | 0.2 | 34.3 | 0.1 | 7.4 | R 93.1 | R 15.8 | R 109.0 |
| 2008 | 3.3 | R 33.1 | R 10.6 | 2.1 | 2.1 | 0.2 | 7.9 | 22.9 | 0.0 | 0.2 | 45.5 | 0.3 | 7.9 | R 113.3 | R 17.0 | R 130.3 |
| 2009 | 2.1 | 36.9 | 11.1 | 2.5 | 2.2 | (s) | 6.8 | 22.7 | 0.0 | 0.2 | 52.6 | 0.2 | 7.7 | 122.4 | 16.2 | 138.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | (s) | (s) | 106 | 362 | 1,145 | 22 | 174 | 5,909 | 11 | 7,729 | 0 | – – | – – | – – |
| 1965 | (s) | (s) | 128 | 635 | 1,111 | 24 | 143 | 6,454 | 1 | 8,496 | 0 | – – | – – | – – |
| 1970 | (s) | (s) | 99 | 929 | 1,173 | 50 | 151 | 7,645 | 6 | 10,052 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 77 | 1,337 | 1,056 | 57 | 140 | 8,952 | 1 | 11,618 | 0 | – – | – – | – – |
| 1980 | 0 | (s) | 97 | 1,977 | 1,311 | 69 | 156 | 8,150 | 0 | 11,760 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 87 | 2,322 | 1,019 | 24 | 142 | 8,487 | 0 | 12,081 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 93 | 2,352 | 1,097 | 23 | 160 | 8,419 | (s) | 12,145 | 0 | – – | – – | – – |
| 1995 | 0 | 3 | 46 | 3,203 | 1,463 | 15 | 152 | 9,462 | 0 | 14,341 | 0 | – – | – – | – – |
| 1996 | 0 | 3 | 53 | 3,346 | 1,014 | 14 | 148 | 9,596 | 0 | 14,171 | 0 | – – | – – | – – |
| 1997 | 0 | 3 | 48 | 3,325 | 697 | 9 | 156 | 9,588 | 0 | 13,824 | 0 | – – | – – | – – |
| 1998 | 0 | 3 | 33 | 3,274 | 819 | 12 | 164 | 10,043 | 0 | 14,345 | 0 | – – | – – | – – |
| 1999 | 0 | 6 | 59 | 3,447 | 770 | 5 | 165 | 9,880 | 0 | 14,326 | 0 | – – | – – | – – |
| 2000 | 0 | 6 | 51 | 3,425 | 1,024 | 14 | 163 | 9,875 | 0 | 14,551 | 0 | – – | – – | – – |
| 2001 | 0 | 6 | 42 | 3,614 | 967 | 13 | 149 | 9,543 | 0 | 14,328 | 0 | – – | – – | – – |
| 2002 | 0 | 6 | 29 | 4,551 | 919 | 25 | 147 | 9,944 | 0 | 15,616 | 0 | – – | – – | – – |
| 2003 | 0 | 6 | 34 | 3,909 | 769 | 15 | 136 | 9,604 | 0 | 14,467 | 0 | – – | – – | – – |
| 2004 | 0 | 6 | 38 | 4,311 | 776 | 10 | 138 | 9,548 | 0 | 14,821 | 0 | – – | – – | – – |
| 2005 | 0 | 6 | 31 | 4,562 | 996 | 13 | 137 | 9,470 | 0 | 15,209 | 0 | – – | – – | – – |
| 2006 | 0 | 5 | 51 | 4,752 | 945 | 12 | 134 | 9,360 | 0 | 15,254 | 0 | – – | – – | – – |
| 2007 | 0 | 6 | 50 | 5,142 | 880 | 16 | 138 | 9,761 | 0 | 15,988 | 0 | – – | – – | – – |
| 2008 | 0 | 5 | 34 | R 5,080 | 659 | R 41 | 128 | 9,662 | 0 | R 15,604 | 0 | – – | – – | – – |
| 2009 | 0 | 3 | 21 | 5,111 | 707 | 39 | 115 | 10,256 | 0 | 16,251 | 0 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | (s) | (s) | 0.5 | 2.1 | 6.1 | 0.1 | 1.1 | 31.0 | 0.1 | 41.0 | 0.0 | 41.1 | 0.0 | 41.1 |
| 1965 | (s) | (s) | 0.6 | 3.7 | 6.0 | 0.1 | 0.9 | 33.9 | (s) | 45.2 | 0.0 | 45.2 | 0.0 | 45.2 |
| 1970 | (s) | (s) | 0.5 | 5.4 | 6.3 | 0.2 | 0.9 | 40.2 | (s) | 53.5 | 0.0 | 53.6 | 0.0 | 53.6 |
| 1975 | (s) | (s) | 0.4 | 7.8 | 5.7 | 0.2 | 0.8 | 47.0 | (s) | 62.0 | 0.0 | 62.0 | 0.0 | 62.0 |
| 1980 | 0.0 | 0.1 | 0.5 | 11.5 | 7.1 | 0.3 | 0.9 | 42.8 | 0.0 | 63.1 | 0.0 | 63.2 | 0.0 | 63.2 |
| 1985 | 0.0 | 0.2 | 0.4 | 13.5 | 5.5 | 0.1 | 0.9 | 44.6 | 0.0 | 65.0 | 0.0 | R 65.5 | 0.0 | R 65.5 |
| 1990 | 0.0 | 0.1 | 0.5 | 13.7 | 5.9 | 0.1 | 1.0 | 44.2 | (s) | 65.4 | 0.0 | 66.0 | 0.0 | 66.0 |
| 1995 | 0.0 | 2.8 | 0.2 | 18.7 | 7.9 | 0.1 | 0.9 | 49.3 | 0.0 | 77.2 | 0.0 | 79.9 | 0.0 | 79.9 |
| 1996 | 0.0 | 2.9 | 0.3 | 19.5 | 5.7 | 0.1 | 0.9 | 50.1 | 0.0 | 76.5 | 0.0 | 79.4 | 0.0 | 79.4 |
| 1997 | 0.0 | 3.0 | 0.2 | 19.4 | 4.0 | (s) | 0.9 | 50.0 | 0.0 | 74.5 | 0.0 | 77.5 | 0.0 | 77.5 |
| 1998 | 0.0 | 2.8 | 0.2 | 19.1 | 4.6 | (s) | 1.0 | 52.3 | 0.0 | 77.3 | 0.0 | 80.1 | 0.0 | 80.1 |
| 1999 | 0.0 | 6.1 | 0.3 | 20.1 | 4.4 | (s) | 1.0 | 51.5 | 0.0 | 77.2 | 0.0 | 83.3 | 0.0 | 83.3 |
| 2000 | 0.0 | 6.3 | 0.3 | 19.9 | 5.8 | 0.1 | 1.0 | 51.4 | 0.0 | 78.5 | 0.0 | 84.8 | 0.0 | 84.8 |
| 2001 | 0.0 | 5.8 | 0.2 | 21.1 | 5.5 | (s) | 0.9 | 49.7 | 0.0 | 77.4 | 0.0 | 83.2 | 0.0 | 83.2 |
| 2002 | 0.0 | 6.1 | 0.1 | 26.5 | 5.2 | 0.1 | 0.9 | 51.8 | 0.0 | 84.6 | 0.0 | 90.7 | 0.0 | 90.7 |
| 2003 | 0.0 | 6.4 | 0.2 | 22.8 | 4.4 | 0.1 | 0.8 | 50.0 | 0.0 | 78.2 | 0.0 | 84.5 | 0.0 | 84.5 |
| 2004 | 0.0 | 6.3 | 0.2 | 25.1 | 4.4 | (s) | 0.8 | 49.8 | 0.0 | 80.4 | 0.0 | 86.6 | 0.0 | 86.6 |
| 2005 | 0.0 | 5.8 | 0.2 | 26.6 | 5.6 | (s) | 0.8 | 49.4 | 0.0 | 82.7 | 0.0 | 88.5 | 0.0 | 88.5 |
| 2006 | 0.0 | 5.4 | 0.3 | 27.7 | 5.4 | (s) | 0.8 | 48.8 | 0.0 | 83.0 | 0.0 | 88.4 | 0.0 | 88.4 |
| 2007 | 0.0 | 5.7 | 0.3 | 30.0 | 5.0 | 0.1 | 0.8 | 50.9 | 0.0 | 87.0 | 0.0 | 92.7 | 0.0 | 92.7 |
| 2008 | 0.0 | 4.7 | 0.2 | R 29.6 | 3.7 | 0.1 | 0.8 | 50.4 | 0.0 | R 84.8 | 0.0 | R 89.5 | 0.0 | R 89.5 |
| 2009 | 0.0 | 3.2 | 0.1 | 29.8 | 4.0 | 0.1 | 0.7 | 53.5 | 0.0 | 88.2 | 0.0 | 91.5 | 0.0 | 91.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, South Dakota

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 246 | 4 | 40 | 7 | 0 | 47 | 0 | 1,136 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 237 | 3 | 47 | 8 | 0 | 55 | 0 | 3,835 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 301 | 4 | 270 | 48 | 0 | 318 | 0 | 6,544 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 1,804 | 3 | 145 | 67 | 0 | 212 | 0 | 7,890 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 2,683 | (s) | 9 | 58 | 0 | 67 | 0 | 5,786 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 2,407 | (s) | 1 | 39 | 0 | 40 | 0 | 5,301 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 2,345 | (s) | 0 | 32 | 0 | 32 | 0 | 3,934 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 2,137 | 1 | 0 | 48 | 0 | 48 | 0 | 6,010 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 1,453 | 1 | 0 | 33 | 0 | 33 | 0 | 7,978 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 2,005 | 2 | 0 | 23 | 0 | 23 | 0 | 9,012 | – – | 0 | 0 | 0 | 78 | – – |
| 1998 | 1,866 | 3 | 0 | 68 | 0 | 68 | 0 | 5,758 | – – | 0 | 0 | 0 | -30 | – – |
| 1999 | 2,159 | 3 | 0 | 59 | 0 | 59 | 0 | 6,677 | – – | 0 | 0 | 0 | 227 | – – |
| 2000 | 2,211 | 4 | 0 | 136 | 0 | 136 | 0 | 5,716 | – – | 0 | 0 | 0 | 13 | – – |
| 2001 | 2,212 | 4 | 0 | 107 | 0 | 107 | 0 | 3,432 | – – | 0 | 0 | 1 | (s) | – – |
| 2002 | 2,051 | 1 | 0 | 18 | 0 | 18 | 0 | 4,354 | – – | 0 | 0 | 6 | (s) | – – |
| 2003 | 2,174 | 2 | 0 | 43 | 0 | 43 | 0 | 4,276 | – – | 0 | 0 | 44 | 0 | – – |
| 2004 | 2,328 | 2 | 0 | 56 | 0 | 56 | 0 | 3,598 | – – | 0 | 0 | 158 | -1 | – – |
| 2005 | 1,880 | 4 | 0 | 52 | 0 | 52 | 0 | 3,075 | – – | 0 | 0 | 158 | (s) | – – |
| 2006 | 2,064 | 3 | 0 | 19 | 0 | 19 | 0 | 3,397 | – – | 0 | 0 | 149 | 0 | – – |
| 2007 | 1,691 | 4 | 0 | 140 | 0 | 140 | 0 | 2,917 | – – | 0 | 0 | 150 | (s) | – – |
| 2008 | 2,359 | 3 | 0 | 50 | 0 | 50 | 0 | 2,993 | – – | 0 | 0 | 145 | 0 | – – |
| 2009 | 2,107 | 1 | 0 | 24 | 0 | 24 | 0 | 4,432 | – – | 0 | 0 | 421 | (s) | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 4.2 | 4.6 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 12.2 | 0.0 | 0.0 | NA | NA | 0.0 | 21.4 |
| 1965 | 4.2 | 3.3 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 40.1 | 0.0 | 0.0 | NA | NA | 0.0 | 48.0 |
| 1970 | 5.0 | 4.4 | 1.7 | 0.3 | 0.0 | 2.0 | 0.0 | 68.7 | 0.0 | 0.0 | NA | NA | 0.0 | 80.0 |
| 1975 | 22.8 | 3.2 | 0.9 | 0.4 | 0.0 | 1.3 | 0.0 | 82.1 | 0.0 | 0.0 | NA | NA | 0.0 | 109.4 |
| 1980 | 33.8 | 0.3 | 0.1 | 0.3 | 0.0 | 0.4 | 0.0 | 60.1 | 0.0 | 0.0 | NA | NA | 0.0 | 94.6 |
| 1985 | 29.4 | (s) | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 55.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.0 |
| 1990 | 31.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 40.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.3 |
| 1995 | 30.5 | 0.9 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 62.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 93.7 |
| 1996 | 26.6 | 0.7 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 82.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.0 |
| 1997 | 35.3 | 1.8 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 92.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 129.5 |
| 1998 | 33.1 | 2.9 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 58.7 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 95.1 |
| 1999 | 37.7 | 2.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 68.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 109.7 |
| 2000 | 38.0 | 3.7 | 0.0 | 0.8 | 0.0 | 0.8 | 0.0 | 58.3 | 0.0 | 0.0 | 0.0 | 0.0 | (s) | 100.8 |
| 2001 | 37.8 | 4.6 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 35.5 | 0.0 | 0.0 | 0.0 | (s) | (s) | 78.5 |
| 2002 | 34.8 | 1.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 44.3 | 0.0 | 0.0 | 0.0 | 0.1 | (s) | 80.5 |
| 2003 | 36.8 | 2.2 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 43.8 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 83.5 |
| 2004 | 39.5 | 1.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 36.1 | 0.0 | 0.0 | 0.0 | 1.6 | (s) | 79.1 |
| 2005 | 32.3 | 3.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 30.7 | 0.0 | 0.0 | 0.0 | 1.6 | (s) | 68.6 |
| 2006 | 35.0 | 3.4 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 33.7 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 73.6 |
| 2007 | 28.6 | 4.3 | 0.0 | 0.8 | 0.0 | 0.8 | 0.0 | 28.8 | 0.0 | 0.0 | 0.0 | 1.5 | (s) | 64.0 |
| 2008 | 39.6 | 2.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 29.5 | (s) | 0.0 | 0.0 | 1.4 | 0.0 | 73.5 |
| 2009 | 35.2 | 0.9 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 43.3 | 0.1 | 0.0 | 0.0 | 4.1 | (s) | 83.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Tennessee

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 15,438 | 147 | 5,291 | 570 | 1,311 | 27,268 | 188 | 7,623 | 42,250 | 0 | 8,676 | NA |
| 1965 | 14,172 | 202 | 7,295 | 1,174 | 1,912 | 32,481 | 287 | 12,096 | 55,245 | 0 | 8,750 | NA |
| 1970 | 17,726 | 256 | 10,952 | 3,335 | 3,182 | 41,869 | 597 | 14,914 | 74,849 | 0 | 8,067 | NA |
| 1971 | 16,661 | 265 | 11,565 | 3,335 | 3,187 | 44,504 | 373 | 13,072 | 76,036 | 0 | 9,420 | NA |
| 1972 | 19,920 | 277 | 14,332 | 3,439 | 3,515 | 48,333 | 518 | 13,704 | 83,841 | 0 | 11,132 | NA |
| 1973 | 23,870 | 294 | 15,816 | 3,795 | 3,825 | 52,393 | 645 | 15,059 | 91,533 | 0 | 11,452 | NA |
| 1974 | 21,319 | 260 | 16,202 | 3,837 | 3,453 | 51,635 | 869 | 12,909 | 88,904 | 0 | 11,767 | NA |
| 1975 | 21,308 | 217 | 17,479 | 3,936 | 3,830 | 53,735 | 714 | 13,024 | 92,718 | 0 | 11,806 | NA |
| 1976 | 24,878 | 212 | 22,011 | 4,105 | 3,766 | 56,247 | 2,963 | 14,305 | 103,396 | 0 | 9,474 | NA |
| 1977 | 24,753 | 202 | 24,108 | 4,377 | 3,545 | 57,655 | 3,370 | 16,223 | 109,278 | 0 | 10,396 | NA |
| 1978 | 24,854 | 184 | 27,395 | 4,683 | 3,662 | 60,053 | 2,284 | 16,698 | 114,774 | 0 | 8,783 | NA |
| 1979 | 23,453 | 226 | 24,146 | 4,895 | 3,008 | 57,140 | 2,445 | 16,602 | 108,237 | 0 | 12,306 | NA |
| 1980 | 24,687 | 230 | 19,176 | 4,154 | 2,787 | 54,948 | 1,499 | 14,655 | 97,218 | 519 | 8,764 | NA |
| 1981 | 24,212 | 224 | 19,545 | 3,486 | 1,515 | 54,603 | 1,227 | 14,358 | 94,734 | 4,704 | 5,915 | 0 |
| 1982 | 19,829 | 207 | 18,812 | 2,289 | 2,299 | 54,521 | 721 | 13,452 | 92,094 | 10,104 | 9,769 | 0 |
| 1983 | 23,088 | 195 | 20,151 | 2,060 | 2,313 | 53,855 | 1,042 | 11,094 | 90,514 | 14,051 | 9,952 | 281 |
| 1984 | 23,355 | 206 | 21,577 | 3,636 | 2,228 | 57,390 | 695 | 12,938 | 98,466 | 12,501 | 10,181 | 592 |
| 1985 | 25,167 | 190 | 22,594 | 4,862 | 2,281 | 58,047 | 539 | 13,091 | 101,415 | 9,672 | 6,539 | 686 |
| 1986 | 25,272 | 188 | 22,631 | 5,925 | 2,678 | 60,296 | 581 | 14,840 | 106,951 | -105 | 5,326 | 857 |
| 1987 | 24,750 | 201 | 23,368 | 5,686 | 2,613 | 57,490 | 320 | 15,823 | 105,300 | -108 | 7,566 | 1,277 |
| 1988 | 25,219 | 214 | 23,966 | 4,231 | 3,108 | 59,302 | 445 | 15,998 | 107,050 | 3,940 | 4,591 | 1,410 |
| 1989 | 23,561 | 221 | 24,047 | 4,356 | 3,476 | 60,057 | 460 | 17,212 | 109,607 | 15,603 | 11,853 | 1,079 |
| 1990 | 24,878 | 220 | 24,502 | 4,181 | 2,906 | 58,001 | 307 | 17,956 | 107,853 | 14,003 | 10,015 | 583 |
| 1991 | 23,107 | 227 | 22,457 | 3,413 | 3,208 | 56,162 | 404 | 17,860 | 103,503 | 16,587 | 10,873 | 426 |
| 1992 | 24,106 | 242 | 23,531 | 4,479 | 4,787 | 58,587 | 392 | 19,236 | 111,013 | 15,654 | 10,011 | 516 |
| 1993 | 27,854 | 254 | 23,431 | 6,569 | 3,566 | 61,213 | 521 | 18,314 | 113,615 | 3,305 | 8,954 | 593 |
| 1994 | 25,440 | 246 | 23,355 | 7,762 | 3,482 | 62,897 | 454 | 19,667 | 117,617 | 11,932 | 12,028 | 841 |
| 1995 | 27,399 | 257 | 25,839 | 8,096 | 3,416 | 64,822 | 362 | 19,063 | 121,598 | 15,708 | 9,629 | 358 |
| 1996 | 26,744 | 280 | 26,831 | 9,317 | 4,303 | 64,868 | 210 | 13,420 | 118,950 | 22,924 | 11,467 | 7 |
| 1997 | 28,207 | 283 | 26,946 | 9,437 | 4,028 | 66,148 | 156 | 13,067 | 119,782 | 24,648 | 11,038 | 7 |
| 1998 | 26,786 | 279 | 29,043 | 9,864 | 3,264 | 67,522 | 157 | 15,440 | 125,289 | 28,388 | 10,806 | 8 |
| 1999 | 26,613 | 279 | 26,610 | 11,816 | 4,709 | 69,769 | 50 | 16,176 | 129,130 | 27,227 | 7,802 | 0 |
| 2000 | 28,862 | 271 | 28,047 | 12,857 | 5,514 | 68,862 | 66 | 15,417 | 130,762 | 25,825 | 6,396 | 0 |
| 2001 | 28,202 | 256 | 28,590 | 12,561 | 4,469 | 68,392 | 150 | 22,701 | 136,865 | 28,576 | 6,947 | 0 |
| 2002 | 28,034 | 256 | 29,731 | 13,442 | 5,837 | 71,963 | 135 | 21,541 | 142,650 | 27,574 | 7,974 | 0 |
| 2003 | 26,677 | 257 | 32,349 | 13,376 | 4,278 | 72,552 | 255 | 21,958 | 144,767 | 24,153 | 12,004 | 0 |
| 2004 | 28,135 | 231 | 33,312 | 13,623 | 4,614 | 72,968 | 342 | 23,981 | 148,839 | 28,612 | 10,408 | 0 |
| 2005 | 29,301 | 230 | 34,810 | 13,915 | 4,557 | 74,371 | 360 | 25,036 | 153,050 | 27,803 | 9,310 | 3,424 |
| 2006 | 30,275 | 222 | 34,144 | 14,207 | 4,687 | 74,910 | 189 | R 44,639 | R 172,776 | 24,679 | 7,749 | 3,615 |
| 2007 | 30,412 | 221 | 35,315 | 13,811 | 4,069 | 76,076 | 175 | R 41,384 | R 170,830 | 28,700 | 4,940 | 4,623 |
| 2008 | 29,663 | 230 | R 29,932 | 12,669 | 3,381 | 73,658 | 209 | R 37,285 | R 157,134 | 27,030 | 5,646 | 6,307 |
| 2009 | 22,077 | 217 | 25,247 | 11,179 | 3,317 | 75,433 | 41 | 28,577 | 143,794 | 26,962 | 10,212 | 7,618 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 374.5 | 151.7 | 30.8 | 3.1 | 5.3 | 143.2 | 1.2 | 44.9 | 228.5 | 754.7 | *151.7* | *143.2* |
| 1965 | 338.9 | 211.1 | 42.5 | 6.5 | 7.7 | 170.6 | 1.8 | 71.8 | 300.9 | 850.9 | *211.1* | *170.6* |
| 1970 | 403.7 | 261.8 | 63.8 | 18.8 | 12.0 | 219.9 | 3.8 | 88.4 | 406.7 | 1,072.2 | *261.8* | *219.9* |
| 1971 | 370.0 | 270.8 | 67.4 | 18.8 | 12.0 | 233.8 | 2.3 | 78.1 | 412.4 | 1,053.3 | *270.8* | *233.8* |
| 1972 | 444.3 | 283.4 | 83.5 | 19.4 | 13.2 | 253.9 | 3.3 | 82.3 | 455.5 | 1,183.2 | *283.4* | *253.9* |
| 1973 | 532.9 | 300.1 | 92.1 | 21.4 | 14.3 | 275.2 | 4.1 | 90.9 | 498.1 | 1,331.1 | *300.1* | *275.2* |
| 1974 | 470.3 | 265.4 | 94.4 | 21.6 | 12.9 | 271.2 | 5.5 | 77.4 | 483.0 | 1,218.7 | *265.4* | *271.2* |
| 1975 | 471.9 | 224.1 | 101.8 | 22.2 | 14.2 | 282.3 | 4.5 | 78.6 | 503.6 | 1,199.6 | *224.1* | *282.3* |
| 1976 | 561.5 | 218.5 | 128.2 | 23.2 | 14.0 | 295.5 | 18.6 | 85.9 | 565.4 | 1,345.4 | *218.5* | *295.5* |
| 1977 | 553.7 | 208.4 | 140.4 | 24.7 | 13.0 | 302.9 | 21.2 | 98.1 | 600.3 | 1,362.4 | *208.4* | *302.9* |
| 1978 | 564.7 | 189.2 | 159.6 | 26.4 | 13.4 | 315.5 | 14.4 | 101.2 | 630.5 | 1,384.4 | *189.2* | *315.5* |
| 1979 | 542.3 | 233.9 | 140.7 | 27.7 | 11.1 | 300.2 | 15.4 | 98.4 | 593.3 | 1,369.5 | *233.9* | *300.2* |
| 1980 | 576.9 | 233.3 | 111.7 | 23.4 | 10.2 | 288.6 | 9.4 | 86.2 | 529.7 | 1,339.9 | *233.3* | *288.6* |
| 1981 | 565.9 | 227.1 | 113.8 | 19.7 | 5.5 | 286.8 | 7.7 | 84.4 | 518.0 | 1,311.0 | *227.1* | *286.8* |
| 1982 | 470.7 | 212.0 | 109.6 | 12.9 | 8.3 | 286.4 | 4.5 | 80.7 | 502.4 | 1,185.1 | *212.1* | *286.4* |
| 1983 | 547.1 | 199.0 | 117.4 | 11.6 | 8.4 | 282.9 | 6.6 | 66.5 | 493.3 | 1,239.4 | *199.1* | *282.9* |
| 1984 | 555.3 | 211.3 | 125.7 | 20.5 | 8.0 | 301.5 | 4.4 | 77.2 | 537.2 | 1,303.8 | *211.3* | *301.5* |
| 1985 | 599.7 | 196.7 | 131.6 | 27.5 | 8.2 | 304.9 | 3.4 | 78.7 | 554.3 | 1,350.7 | *196.7* | *304.9* |
| 1986 | 605.7 | 194.0 | 131.8 | 33.5 | 9.7 | 316.7 | 3.7 | 87.8 | 583.3 | 1,383.0 | *194.0* | *316.7* |
| 1987 | 596.5 | 207.0 | 136.1 | 32.1 | 9.6 | 302.0 | 2.0 | 93.6 | 575.4 | 1,378.9 | *207.0* | *302.0* |
| 1988 | 610.6 | 220.8 | 139.6 | 23.9 | 11.4 | 311.5 | 2.8 | 94.3 | 583.4 | 1,414.9 | *220.9* | *311.5* |
| 1989 | 566.9 | 228.5 | 140.1 | 24.6 | 12.8 | 315.5 | 2.9 | 102.6 | 598.4 | 1,393.9 | *228.6* | *315.5* |
| 1990 | 600.5 | 227.5 | 142.7 | 23.6 | 10.5 | 304.7 | 1.9 | 106.9 | 590.4 | 1,418.4 | *227.5* | *304.7* |
| 1991 | 565.4 | 234.6 | 130.8 | 19.3 | 11.6 | 295.0 | 2.5 | 105.9 | 565.1 | 1,365.1 | *234.6* | *295.0* |
| 1992 | 590.3 | 249.2 | 137.1 | 25.3 | 17.3 | 307.8 | 2.5 | 113.3 | 603.2 | 1,442.8 | *249.2* | *307.8* |
| 1993 | 685.7 | 263.1 | 136.5 | 37.2 | 12.9 | R 319.5 | 3.3 | 107.5 | R 616.8 | 1,565.6 | *263.2* | *321.6* |
| 1994 | 622.7 | 254.0 | 136.0 | 44.0 | 12.7 | 326.0 | 2.9 | 115.7 | 637.2 | 1,513.9 | *254.1* | *328.9* |
| 1995 | 669.0 | 264.9 | 150.5 | 45.9 | 12.4 | 336.8 | 2.3 | 112.2 | 660.1 | R 1,594.0 | *264.9* | *338.0* |
| 1996 | 650.8 | 289.3 | 156.3 | 52.8 | 15.5 | 338.3 | 1.3 | 81.8 | 646.1 | 1,586.2 | *289.4* | *338.3* |
| 1997 | 680.6 | 291.8 | 157.0 | 53.5 | 14.6 | 344.8 | 1.0 | 79.4 | 650.2 | 1,622.7 | *291.8* | *344.8* |
| 1998 | 651.8 | 287.4 | 169.2 | 55.9 | 11.8 | 351.9 | 1.0 | 94.5 | 684.3 | 1,623.6 | *287.4* | *351.9* |
| 1999 | 648.3 | 286.4 | 155.0 | 67.0 | 17.0 | 363.6 | 0.3 | 98.9 | 701.8 | 1,636.5 | *286.4* | *363.6* |
| 2000 | 705.1 | 280.7 | 163.4 | 72.9 | 19.9 | 358.8 | 0.4 | 94.5 | 709.8 | 1,695.5 | *280.7* | *358.8* |
| 2001 | 687.4 | 265.5 | 166.5 | 71.2 | 16.2 | 356.3 | 0.9 | 135.1 | 746.3 | 1,699.1 | *265.5* | *356.3* |
| 2002 | 655.9 | 263.7 | 173.2 | 76.2 | 21.1 | 374.8 | 0.9 | 127.7 | 773.8 | 1,693.4 | *263.7* | *374.8* |
| 2003 | 621.4 | 265.8 | 188.4 | 75.8 | 15.5 | 377.8 | 1.6 | 130.1 | 789.3 | 1,676.5 | *265.8* | *377.8* |
| 2004 | 648.0 | 238.8 | 194.0 | 77.2 | 16.7 | 380.5 | 2.1 | 141.5 | 812.2 | 1,698.9 | *238.8* | *380.5* |
| 2005 | 657.7 | 238.4 | 202.8 | 78.9 | 16.5 | R 376.2 | 2.3 | 149.5 | R 826.1 | R 1,722.2 | *238.4* | *388.1* |
| 2006 | 677.2 | 230.0 | 198.9 | 80.6 | 16.9 | R 378.3 | 1.2 | R 256.5 | R 932.3 | R 1,839.6 | *230.0* | *390.9* |
| 2007 | 672.8 | 229.7 | 205.7 | 78.3 | 14.6 | R 381.0 | 1.1 | R 236.3 | R 917.1 | R 1,819.6 | *229.7* | *397.0* |
| 2008 | 643.8 | R 238.4 | R 174.4 | 71.8 | 12.2 | R 362.5 | 1.3 | R 213.6 | R 835.7 | R 1,717.9 | R *238.4* | *384.3* |
| 2009 | 477.7 | 222.6 | 147.1 | 63.4 | 11.8 | 367.2 | 0.3 | 162.3 | 752.0 | 1,452.3 | *222.6* | *393.6* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 93.4 | 45.4 | NA | NA | 45.4 | 0.0 | NA | NA | 138.7 | 69.5 | 0.0 | 962.9 |
| 1965 | 0.0 | 91.5 | 46.5 | NA | NA | 46.5 | 0.0 | NA | NA | 138.0 | R 158.0 | 0.0 | R 1,146.9 |
| 1970 | 0.0 | 84.7 | 53.8 | NA | NA | 53.8 | 0.0 | NA | NA | 138.4 | R 172.4 | 0.0 | R 1,383.1 |
| 1971 | 0.0 | 98.7 | 54.4 | NA | NA | 54.4 | 0.0 | NA | NA | 153.1 | R 174.3 | 0.0 | R 1,380.7 |
| 1972 | 0.0 | 115.5 | 57.6 | NA | NA | 57.6 | 0.0 | NA | NA | 173.1 | R 128.7 | 0.0 | R 1,485.1 |
| 1973 | 0.0 | 119.0 | 58.9 | NA | NA | 58.9 | 0.0 | NA | NA | 177.9 | R 117.2 | 0.0 | R 1,626.2 |
| 1974 | 0.0 | 122.9 | 57.5 | NA | NA | 57.5 | 0.0 | NA | NA | 180.4 | R 192.0 | 0.0 | R 1,591.1 |
| 1975 | 0.0 | 122.9 | 54.4 | NA | NA | 54.4 | 0.0 | NA | NA | 177.3 | R 248.1 | 0.0 | R 1,625.0 |
| 1976 | 0.0 | 98.3 | 61.8 | NA | NA | 61.8 | 0.0 | NA | NA | 160.1 | R 228.4 | 0.0 | R 1,733.8 |
| 1977 | 0.0 | 108.5 | 67.7 | NA | NA | 67.7 | 0.0 | NA | NA | 176.2 | R 258.4 | 0.0 | R 1,797.0 |
| 1978 | 0.0 | 91.0 | 72.0 | NA | NA | 72.0 | 0.0 | NA | NA | 163.0 | R 235.9 | 0.0 | R 1,783.3 |
| 1979 | 0.0 | 127.4 | 79.8 | NA | NA | 79.8 | 0.0 | NA | NA | 207.2 | R 250.2 | 0.0 | R 1,826.9 |
| 1980 | 5.7 | 91.0 | 69.3 | NA | NA | 69.3 | 0.0 | NA | NA | 160.4 | R 247.7 | 0.0 | R 1,753.6 |
| 1981 | 51.9 | 61.8 | 74.8 | 0.0 | 0.0 | 74.8 | 0.0 | NA | NA | 136.6 | R 219.0 | 0.0 | R 1,718.5 |
| 1982 | 111.9 | 102.1 | 81.8 | 0.0 | 0.2 | 82.0 | 0.0 | NA | NA | 184.1 | R 149.4 | 0.0 | R 1,630.6 |
| 1983 | 153.2 | 104.7 | 82.1 | 1.0 | 1.7 | 84.8 | 0.0 | NA | 0.0 | 189.5 | R 93.7 | 0.0 | R 1,675.8 |
| 1984 | 135.6 | 106.3 | 92.4 | 2.1 | 2.3 | R 96.8 | 0.0 | 0.0 | 0.0 | R 203.1 | R 113.0 | 0.0 | R 1,755.3 |
| 1985 | 102.7 | 68.3 | 93.2 | 2.4 | 2.5 | R 98.1 | 0.0 | 0.0 | 0.0 | R 166.4 | R 109.2 | 0.0 | R 1,729.0 |
| 1986 | -1.1 | 55.6 | 95.3 | 3.0 | 2.6 | R 100.8 | 0.0 | 0.0 | 0.0 | R 156.5 | R 193.2 | 0.0 | R 1,731.6 |
| 1987 | -1.1 | 78.8 | 90.4 | 4.4 | 2.8 | R 97.7 | 0.0 | 0.0 | 0.0 | R 176.5 | R 189.7 | 0.0 | R 1,743.9 |
| 1988 | 41.8 | 47.4 | 95.3 | 4.9 | 2.8 | R 103.0 | 0.0 | 0.0 | 0.0 | R 150.4 | R 201.5 | 0.0 | R 1,808.5 |
| 1989 | 165.1 | 123.6 | 75.9 | 3.7 | 2.7 | R 82.3 | (s) | 0.1 | 0.0 | R 206.0 | R 95.8 | 0.0 | R 1,860.8 |
| 1990 | 148.2 | 104.2 | 56.5 | 2.0 | 2.2 | R 60.7 | (s) | 0.1 | 0.0 | R 165.0 | R 114.5 | 0.0 | R 1,846.1 |
| 1991 | 173.9 | 113.5 | 60.9 | 1.5 | 2.6 | R 65.0 | (s) | 0.1 | 0.0 | 178.6 | R 119.4 | 0.0 | R 1,837.0 |
| 1992 | 163.9 | 103.5 | 61.2 | 1.8 | 2.3 | R 65.3 | (s) | 0.1 | 0.0 | 169.0 | R 111.4 | 0.0 | R 1,887.0 |
| 1993 | 34.7 | 92.3 | 55.1 | 2.1 | 2.5 | R 59.7 | (s) | 0.1 | 0.0 | R 152.1 | R 173.8 | 0.0 | R 1,926.2 |
| 1994 | 124.7 | 124.1 | 56.6 | 2.9 | 2.4 | R 61.9 | (s) | 0.1 | 0.0 | R 186.1 | R 151.3 | 0.0 | R 1,976.0 |
| 1995 | 165.0 | 99.3 | 60.4 | 1.2 | 2.3 | 64.0 | (s) | 0.1 | 0.0 | 163.4 | R 80.5 | 0.0 | R 2,002.9 |
| 1996 | 240.8 | 118.6 | 56.0 | (s) | 1.0 | R 56.9 | (s) | 0.1 | 0.0 | 175.6 | R 65.1 | 0.0 | R 2,067.7 |
| 1997 | 258.7 | 112.7 | 47.3 | (s) | 1.7 | 49.0 | (s) | 0.1 | 0.0 | R 161.8 | R 11.5 | 0.0 | R 2,054.6 |
| 1998 | 297.8 | 110.2 | 46.5 | (s) | 2.0 | 48.6 | (s) | 0.1 | 0.0 | 158.9 | R 38.5 | 0.0 | R 2,118.8 |
| 1999 | 284.5 | 79.8 | 50.2 | 0.0 | 1.9 | R 52.1 | (s) | 0.1 | 0.0 | R 132.0 | R 107.5 | 0.0 | R 2,160.5 |
| 2000 | 269.3 | 65.2 | 53.0 | 0.0 | 2.3 | R 55.3 | (s) | 0.1 | 0.0 | 120.7 | R 109.3 | 0.0 | R 2,194.9 |
| 2001 | 298.4 | 71.8 | 64.4 | 0.0 | 2.6 | 67.0 | 0.1 | 0.1 | 0.0 | R 138.8 | R 88.5 | 0.0 | R 2,224.9 |
| 2002 | 287.9 | 81.1 | 63.5 | 0.0 | 3.6 | 67.1 | 0.1 | (s) | (s) | 148.4 | R 142.5 | 0.0 | R 2,272.2 |
| 2003 | 251.7 | 122.9 | 58.3 | 0.0 | 4.2 | R 62.5 | 0.1 | (s) | (s) | 185.6 | R 154.8 | (s) | R 2,268.6 |
| 2004 | 298.3 | 104.3 | 71.6 | 0.0 | 3.9 | R 75.4 | 0.1 | (s) | (s) | R 179.9 | R 126.2 | (s) | R 2,303.4 |
| 2005 | 290.2 | 93.1 | R 65.0 | 11.9 | 3.7 | R 80.6 | 0.1 | (s) | (s) | R 173.8 | R 166.2 | 0.0 | R 2,352.3 |
| 2006 | 257.5 | 76.9 | R 57.4 | 12.5 | 3.7 | R 73.6 | 0.1 | (s) | 0.5 | R 151.2 | R 181.2 | 0.0 | R 2,429.4 |
| 2007 | 300.9 | 48.8 | R 56.7 | 16.0 | 3.9 | R 76.6 | 0.1 | (s) | 0.5 | R 126.1 | R 192.2 | 0.0 | R 2,438.7 |
| 2008 | 282.5 | 55.6 | R 65.9 | 21.9 | 4.7 | R 92.4 | 0.1 | (s) | 0.5 | R 148.8 | R 205.5 | 0.0 | R 2,354.8 |
| 2009 | 282.0 | 99.7 | 60.4 | 26.4 | 9.6 | 96.4 | 0.2 | (s) | 0.5 | 196.8 | 204.9 | 0.0 | 2,136.0 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 3,301 | 139 | 5,290 | 570 | 1,311 | 27,268 | 188 | 7,623 | 42,250 | 0 | – – | – – | – – | – – | 38,994 | – – | – – | – – |
| 1965 | 3,534 | 186 | 7,295 | 1,174 | 1,912 | 32,481 | 287 | 12,096 | 55,245 | 0 | – – | – – | – – | – – | 44,769 | – – | – – | – – |
| 1970 | 2,999 | 239 | 10,952 | 3,335 | 3,182 | 41,869 | 597 | 14,914 | 74,849 | 0 | – – | – – | – – | – – | 52,070 | – – | – – | – – |
| 1975 | 2,460 | 217 | 16,170 | 3,936 | 3,830 | 53,735 | 714 | 13,024 | 91,408 | 0 | – – | – – | – – | – – | 68,379 | – – | – – | – – |
| 1980 | 3,008 | 229 | 18,770 | 4,154 | 2,787 | 54,948 | 1,499 | 14,655 | 96,813 | 0 | – – | – – | – – | – – | 73,391 | – – | – – | – – |
| 1985 | 4,314 | 190 | 22,357 | 4,862 | 2,281 | 58,047 | 539 | 13,091 | 101,178 | 0 | – – | – – | – – | – – | 69,027 | – – | – – | – – |
| 1990 | 4,064 | 219 | 24,270 | 4,181 | 2,906 | 58,001 | 307 | 17,956 | 107,620 | 0 | – – | – – | – – | – – | 77,145 | – – | – – | – – |
| 1995 | 3,923 | 255 | 25,384 | 8,096 | 3,416 | 64,822 | 362 | 19,063 | 121,142 | 827 | – – | – – | – – | – – | 82,030 | – – | – – | – – |
| 2000 | 3,461 | 265 | 26,988 | 12,857 | 5,514 | 68,862 | 66 | 15,417 | 129,703 | 520 | – – | – – | – – | – – | 95,728 | – – | – – | – – |
| 2001 | 3,715 | 254 | 27,699 | 12,561 | 4,469 | 68,392 | 150 | 22,701 | 135,974 | 404 | – – | – – | – – | – – | 96,131 | – – | – – | – – |
| 2002 | 3,404 | 253 | 29,287 | 13,442 | 5,837 | 71,963 | 135 | 21,541 | 142,207 | 656 | – – | – – | – – | – – | 98,233 | – – | – – | – – |
| 2003 | 3,488 | 252 | 31,530 | 13,376 | 4,278 | 72,552 | 255 | 21,958 | 143,948 | 917 | – – | – – | – – | – – | 97,457 | – – | – – | – – |
| 2004 | 3,303 | 229 | 32,999 | 13,623 | 4,614 | 72,968 | 342 | 23,981 | 148,526 | 759 | – – | – – | – – | – – | 99,661 | – – | – – | – – |
| 2005 | 3,182 | 225 | 34,410 | 13,915 | 4,557 | 74,371 | 360 | 25,036 | 152,650 | 772 | – – | – – | – – | – – | 103,905 | – – | – – | – – |
| 2006 | 3,059 | 215 | 33,884 | 14,207 | 4,687 | 74,910 | 189 | 44,639 | 172,515 | 581 | – – | – – | – – | – – | 103,932 | – – | – – | – – |
| 2007 | 3,064 | 214 | 35,037 | 13,811 | 4,069 | 76,076 | 175 | 41,384 | 170,552 | 0 | – – | – – | – – | – – | 106,717 | – – | – – | – – |
| 2008 | 3,031 | 226 | 29,543 | 12,669 | 3,381 | 73,658 | 209 | 37,285 | 156,744 | 0 | – – | – – | – – | – – | 104,170 | – – | – – | – – |
| 2009 | 2,615 | 213 | 24,899 | 11,179 | 3,317 | 75,433 | 41 | 28,577 | 143,446 | 0 | – – | – – | – – | – – | 94,650 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 82.7 | 144.3 | 30.8 | 3.1 | 5.3 | 143.2 | 1.2 | 44.9 | 228.5 | 0.0 | 45.4 | NA | NA | NA | 133.0 | 633.8 | 329.0 | 962.9 |
| 1965 | 87.9 | 194.1 | 42.5 | 6.5 | 7.7 | 170.6 | 1.8 | 71.8 | 300.9 | 0.0 | 46.5 | NA | NA | NA | 152.8 | 782.3 | 364.7 | 1,146.9 |
| 1970 | 71.0 | 244.2 | 63.8 | 18.8 | 12.0 | 219.9 | 3.8 | 88.4 | 406.7 | 0.0 | 53.8 | NA | NA | NA | 177.7 | 953.3 | 429.8 | 1,383.1 |
| 1975 | 57.6 | 224.1 | 94.2 | 22.2 | 14.2 | 282.3 | 4.5 | 78.6 | 496.0 | 0.0 | 54.4 | NA | NA | NA | 233.3 | 1,065.4 | 559.6 | 1,625.0 |
| 1980 | 72.8 | 232.2 | 109.3 | 23.4 | 10.2 | 288.6 | 9.4 | 86.2 | 527.3 | 0.0 | 69.3 | NA | NA | NA | 250.4 | 1,152.0 | 601.6 | 1,753.6 |
| 1985 | 106.3 | 196.7 | 130.2 | 27.5 | 8.2 | 304.9 | 3.4 | 78.7 | 552.9 | 0.0 | 93.2 | 2.5 | NA | NA | 235.5 | 1,189.6 | 539.4 | 1,729.0 |
| 1990 | 102.2 | 226.9 | 141.4 | 23.6 | 10.5 | 304.7 | 1.9 | 106.9 | 589.0 | 0.0 | 56.5 | 2.2 | (s) | 0.1 | 263.2 | 1,242.2 | 604.0 | 1,846.1 |
| 1995 | 98.6 | 262.8 | 147.9 | 45.9 | 12.4 | 338.0 | 2.3 | 112.2 | 658.7 | 8.5 | 60.2 | 2.3 | (s) | 0.1 | 279.9 | 1,371.1 | 631.8 | 2,002.9 |
| 2000 | 90.3 | 275.3 | 157.2 | 72.9 | 19.9 | 358.8 | 0.4 | 94.5 | 703.6 | 5.3 | 52.6 | 2.3 | (s) | 0.1 | 326.6 | 1,456.2 | 738.7 | 2,194.9 |
| 2001 | 95.4 | 262.9 | 161.3 | 71.2 | 16.2 | 356.3 | 0.9 | 135.1 | 741.1 | 4.2 | 63.9 | 2.6 | 0.0 | 0.1 | 328.0 | 1,498.2 | 726.7 | 2,224.9 |
| 2002 | 88.5 | 261.0 | 170.6 | 76.2 | 21.1 | 374.8 | 0.9 | 127.7 | 771.3 | 6.7 | 63.1 | 3.6 | 0.1 | (s) | 335.2 | 1,529.4 | 742.7 | 2,272.2 |
| 2003 | 90.4 | 260.0 | 183.7 | 75.8 | 15.5 | 377.8 | 1.6 | 130.1 | 784.5 | 9.4 | 57.9 | 4.2 | 0.1 | (s) | 332.5 | 1,539.1 | 729.5 | 2,268.6 |
| 2004 | 85.7 | 236.4 | 192.2 | 77.2 | 16.7 | 380.5 | 2.1 | 141.5 | 810.3 | 7.6 | 71.4 | 3.9 | 0.1 | (s) | 340.0 | 1,555.4 | 747.9 | 2,303.4 |
| 2005 | 82.4 | 232.6 | 200.4 | 78.9 | 16.5 | 388.1 | 2.3 | 149.5 | 835.6 | 7.7 | 64.7 | 3.7 | 0.1 | (s) | 354.5 | 1,581.4 | 770.9 | 2,352.3 |
| 2006 | 79.2 | 223.2 | 197.4 | 80.6 | 16.9 | 390.9 | 1.2 | 256.5 | 943.4 | 5.8 | 57.1 | 3.7 | 0.1 | (s) | 354.6 | 1,667.1 | 762.3 | 2,429.4 |
| 2007 | 79.4 | 222.3 | 204.1 | 78.3 | 14.6 | 397.0 | 1.1 | 236.3 | 931.5 | 0.0 | 56.4 | 3.9 | 0.1 | (s) | 364.1 | 1,657.7 | 781.0 | 2,438.7 |
| 2008 | 79.0 | 233.9 | 172.1 | 71.8 | 12.2 | 384.3 | 1.3 | 213.6 | 855.3 | 0.0 | 65.5 | 4.7 | 0.1 | (s) | 355.4 | 1,594.0 | 760.7 | 2,354.8 |
| 2009 | 68.4 | 218.8 | 145.0 | 63.4 | 11.8 | 393.6 | 0.3 | 162.3 | 776.4 | 0.0 | 60.1 | 9.6 | 0.2 | (s) | 322.9 | 1,456.4 | 679.6 | 2,136.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 563 | 34 | 80 | 797 | 813 | 1,691 | 1,269 | – – | – – | 8,683 | – – | – – | – – |
| 1965 | 378 | 37 | 100 | 881 | 1,072 | 2,052 | 949 | – – | – – | 12,134 | – – | – – | – – |
| 1970 | 304 | 47 | 169 | 2,027 | 2,185 | 4,382 | 806 | – – | – – | 17,942 | – – | – – | – – |
| 1975 | 98 | 44 | 237 | 1,316 | 2,611 | 4,163 | 840 | – – | – – | 23,034 | – – | – – | – – |
| 1980 | 49 | 45 | 308 | 549 | 1,416 | 2,273 | 971 | – – | – – | 26,207 | – – | – – | – – |
| 1985 | 37 | 39 | 269 | 737 | 1,140 | 2,147 | 1,725 | – – | – – | 25,546 | – – | – – | – – |
| 1990 | 44 | 46 | 275 | 324 | 1,620 | 2,218 | 918 | – – | – – | 28,757 | – – | – – | – – |
| 1995 | 19 | 60 | 260 | 372 | 2,008 | 2,641 | 737 | – – | – – | 30,967 | – – | – – | – – |
| 1996 | 13 | 70 | 269 | 456 | 2,696 | 3,420 | 765 | – – | – – | 35,333 | – – | – – | – – |
| 1997 | 14 | 64 | 237 | 437 | 2,436 | 3,110 | 407 | – – | – – | 33,367 | – – | – – | – – |
| 1998 | 3 | 59 | 230 | 424 | 2,295 | 2,949 | 362 | – – | – – | 35,428 | – – | – – | – – |
| 1999 | 12 | 61 | 230 | 423 | 2,875 | 3,529 | 381 | – – | – – | 35,425 | – – | – – | – – |
| 2000 | 12 | 68 | 174 | 378 | 3,252 | 3,805 | 409 | – – | – – | 36,622 | – – | – – | – – |
| 2001 | 15 | 68 | 166 | 247 | 2,549 | 2,962 | 331 | – – | – – | 36,932 | – – | – – | – – |
| 2002 | 8 | 69 | 115 | 168 | 3,029 | 3,311 | 336 | – – | – – | 38,752 | – – | – – | – – |
| 2003 | 17 | 70 | 117 | 231 | 2,593 | 2,941 | 354 | – – | – – | 37,697 | – – | – – | – – |
| 2004 | 7 | 65 | 125 | 292 | 2,624 | 3,041 | 363 | – – | – – | 38,526 | – – | – – | – – |
| 2005 | 3 | 66 | 102 | 284 | 2,525 | 2,911 | R 574 | – – | – – | 41,132 | – – | – – | – – |
| 2006 | 4 | 61 | 107 | 283 | 2,264 | 2,655 | R 523 | – – | – – | 40,816 | – – | – – | – – |
| 2007 | 7 | 61 | 127 | 204 | 2,291 | 2,622 | R 577 | – – | – – | 42,880 | – – | – – | – – |
| 2008 | 9 | 69 | R 151 | 79 | 2,035 | R 2,265 | R 603 | – – | – – | 41,947 | – – | – – | – – |
| 2009 | 9 | 66 | 169 | 103 | 2,548 | 2,820 | 577 | – – | – – | 40,117 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 13.9 | 35.1 | 0.5 | 4.5 | 3.3 | 8.3 | 25.4 | NA | NA | 29.6 | 112.2 | 73.3 | 185.5 |
| 1965 | 9.3 | 38.9 | 0.6 | 5.0 | 4.3 | 9.9 | 19.0 | NA | NA | 41.4 | 118.4 | R 98.8 | 217.3 |
| 1970 | 7.2 | 47.6 | 1.0 | 11.5 | 8.3 | 20.7 | 16.1 | NA | NA | 61.2 | 152.9 | R 148.1 | R 301.0 |
| 1975 | 2.3 | 45.4 | 1.4 | 7.5 | 9.7 | 18.5 | 16.8 | NA | NA | 78.6 | 161.6 | R 188.5 | R 350.1 |
| 1980 | 1.2 | 45.6 | 1.8 | 3.1 | 5.2 | 10.1 | 19.4 | NA | NA | 89.4 | 165.7 | R 214.8 | R 380.6 |
| 1985 | 0.9 | 40.8 | 1.6 | 4.2 | 4.1 | 9.9 | 34.5 | NA | NA | 87.2 | 173.2 | R 199.6 | R 372.8 |
| 1990 | 1.1 | 48.0 | 1.6 | 1.8 | 5.9 | 9.3 | 18.4 | (s) | 0.1 | 98.1 | 174.9 | R 225.1 | R 400.0 |
| 1995 | 0.5 | 61.9 | 1.5 | 2.1 | 7.3 | 10.9 | 14.7 | (s) | 0.1 | 105.7 | 193.7 | R 238.5 | R 432.2 |
| 1996 | 0.3 | 72.7 | 1.6 | 2.6 | 9.7 | 13.9 | 15.3 | (s) | 0.1 | 120.6 | 222.8 | R 272.4 | R 495.3 |
| 1997 | 0.4 | 66.1 | 1.4 | 2.5 | 8.8 | 12.7 | 8.1 | (s) | 0.1 | 113.8 | 201.2 | R 256.3 | R 457.5 |
| 1998 | 0.1 | 61.2 | 1.3 | 2.4 | 8.3 | 12.0 | 7.2 | (s) | 0.1 | 120.9 | 201.5 | R 272.4 | R 473.9 |
| 1999 | 0.3 | 62.2 | 1.3 | 2.4 | 10.4 | 14.1 | 7.6 | (s) | 0.1 | 120.9 | 205.2 | R 274.8 | R 480.0 |
| 2000 | 0.3 | 71.0 | 1.0 | 2.1 | 11.7 | 14.9 | 8.2 | (s) | 0.1 | 125.0 | 219.4 | R 282.6 | R 502.0 |
| 2001 | 0.4 | 70.6 | 1.0 | 1.4 | 9.2 | 11.6 | 6.6 | 0.1 | 0.1 | 126.0 | 215.3 | R 279.2 | R 494.4 |
| 2002 | 0.2 | 71.6 | 0.7 | 1.0 | 10.9 | 12.6 | 6.7 | 0.1 | (s) | 132.2 | 223.4 | R 293.0 | R 516.4 |
| 2003 | 0.4 | 72.0 | 0.7 | 1.3 | 9.4 | 11.4 | 7.1 | 0.1 | (s) | 128.6 | 219.7 | R 282.2 | R 501.8 |
| 2004 | 0.2 | 67.5 | 0.7 | 1.7 | 9.5 | 11.9 | 7.3 | 0.1 | (s) | 131.4 | 218.3 | R 289.1 | R 507.5 |
| 2005 | 0.1 | 68.6 | 0.6 | 1.6 | 9.1 | 11.3 | R 11.5 | 0.1 | (s) | 140.3 | R 232.0 | R 305.2 | R 537.2 |
| 2006 | 0.1 | 63.4 | 0.6 | 1.6 | 8.2 | 10.4 | R 10.5 | 0.1 | (s) | 139.3 | R 223.7 | R 299.4 | R 523.1 |
| 2007 | 0.2 | 63.1 | 0.7 | 1.2 | 8.2 | 10.1 | R 11.5 | 0.1 | (s) | 146.3 | R 231.4 | R 313.8 | R 545.2 |
| 2008 | 0.2 | 71.8 | 0.9 | 0.4 | 7.3 | R 8.7 | R 12.1 | 0.1 | (s) | 143.1 | R 236.0 | R 306.3 | R 542.3 |
| 2009 | 0.2 | 67.9 | 1.0 | 0.6 | 9.1 | 10.6 | 11.5 | 0.2 | (s) | 136.9 | 227.4 | 288.0 | 515.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 391 | 24 | 200 | 157 | 201 | 173 | (s) | 731 | NA | – – | – – | 2,796 | – – | – – | – – |
| 1965 | 285 | 28 | 248 | 173 | 265 | 277 | (s) | 963 | NA | – – | – – | 4,274 | – – | – – | – – |
| 1970 | 239 | 43 | 422 | 399 | 539 | 392 | 1 | 1,753 | NA | – – | – – | 6,352 | – – | – – | – – |
| 1975 | 228 | 42 | 589 | 259 | 645 | 419 | 1 | 1,913 | NA | – – | – – | 7,440 | – – | – – | – – |
| 1980 | 185 | 44 | 1,015 | 104 | 350 | 465 | 48 | 1,982 | NA | – – | – – | 14,216 | – – | – – | – – |
| 1985 | 132 | 43 | 3,204 | 167 | 282 | 337 | 98 | 4,087 | NA | – – | – – | 9,856 | – – | – – | – – |
| 1990 | 174 | 44 | 739 | 69 | 400 | 464 | 33 | 1,704 | 0 | – – | – – | 13,075 | – – | – – | – – |
| 1995 | 126 | 51 | 739 | 80 | 496 | 50 | 14 | 1,378 | 0 | – – | – – | 6,234 | – – | – – | – – |
| 1996 | 97 | 58 | 906 | 89 | 666 | 49 | 28 | 1,737 | 0 | – – | – – | 6,543 | – – | – – | – – |
| 1997 | 117 | 55 | 827 | 99 | 601 | 49 | 44 | 1,620 | 0 | – – | – – | 25,839 | – – | – – | – – |
| 1998 | 22 | 52 | 949 | 123 | 567 | 49 | 1 | 1,689 | 0 | – – | – – | 25,859 | – – | – – | – – |
| 1999 | 86 | 53 | 959 | 52 | 710 | 49 | 0 | 1,770 | 0 | – – | – – | 26,260 | – – | – – | – – |
| 2000 | 100 | 53 | 1,078 | 105 | 803 | 49 | 0 | 2,035 | 0 | – – | – – | 26,814 | – – | – – | – – |
| 2001 | 124 | 53 | 935 | 90 | 629 | 53 | 0 | 1,707 | 0 | – – | – – | 27,049 | – – | – – | – – |
| 2002 | 56 | 54 | 1,034 | 47 | 748 | 53 | 0 | 1,882 | 0 | – – | – – | 27,634 | – – | – – | – – |
| 2003 | 116 | 57 | 1,066 | 54 | 748 | 53 | 0 | 1,922 | 0 | – – | – – | 27,481 | – – | – – | – – |
| 2004 | 63 | 54 | 1,071 | 43 | 660 | 53 | 13 | 1,840 | 0 | – – | – – | 28,249 | – – | – – | – – |
| 2005 | 30 | 54 | 780 | 40 | 488 | 54 | 0 | 1,362 | 0 | – – | – – | 29,146 | – – | – – | – – |
| 2006 | 38 | 52 | 650 | 28 | 672 | 55 | 0 | 1,405 | 0 | – – | – – | 29,033 | – – | – – | – – |
| 2007 | 64 | 51 | 952 | 24 | 449 | 55 | 8 | 1,489 | 0 | – – | – – | 29,985 | – – | – – | – – |
| 2008 | 83 | 54 | R 675 | 10 | 544 | 55 | 5 | R 1,290 | 0 | – – | – – | 29,418 | – – | – – | – – |
| 2009 | 82 | 52 | 1,255 | 10 | 374 | 55 | 4 | 1,698 | 0 | – – | – – | 27,962 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 9.7 | 25.1 | 1.2 | 0.9 | 0.8 | 0.9 | (s) | 3.8 | NA | 0.5 | NA | 9.5 | 48.6 | 23.6 | 72.2 |
| 1965 | 7.0 | 29.6 | 1.4 | 1.0 | 1.1 | 1.5 | (s) | 4.9 | NA | 0.4 | NA | 14.6 | 56.5 | 34.8 | 91.3 |
| 1970 | 5.7 | 43.7 | 2.5 | 2.3 | 2.0 | 2.1 | (s) | 8.8 | NA | 0.3 | NA | 21.7 | 80.1 | R 52.4 | 132.6 |
| 1975 | 5.4 | 43.8 | 3.4 | 1.5 | 2.4 | 2.2 | (s) | 9.5 | NA | 0.3 | NA | 25.4 | 84.4 | R 60.9 | R 145.3 |
| 1980 | 4.4 | 44.8 | 5.9 | 0.6 | 1.3 | 2.4 | 0.3 | 10.5 | NA | 0.5 | NA | 48.5 | 108.7 | R 116.5 | R 225.2 |
| 1985 | 3.2 | 44.9 | 18.7 | 0.9 | 1.0 | 1.8 | 0.6 | 23.0 | NA | 0.8 | NA | 33.6 | 105.6 | R 77.0 | R 182.6 |
| 1990 | 4.3 | 45.1 | 4.3 | 0.4 | 1.4 | 2.4 | 0.2 | 8.8 | 0.0 | 4.9 | 0.0 | 44.6 | 107.7 | R 102.4 | R 210.0 |
| 1995 | 3.2 | 52.8 | 4.3 | 0.5 | 1.8 | 0.3 | 0.1 | 6.9 | 0.0 | 4.7 | 0.0 | 21.3 | 88.9 | R 48.0 | R 136.9 |
| 1996 | 2.4 | 60.4 | 5.3 | 0.5 | 2.4 | 0.3 | 0.2 | 8.6 | 0.0 | 5.1 | 0.0 | 22.3 | 98.8 | R 50.5 | R 149.3 |
| 1997 | 2.9 | 56.8 | 4.8 | 0.6 | 2.2 | 0.3 | 0.3 | 8.1 | 0.0 | 5.1 | 0.0 | 88.2 | 161.1 | R 198.5 | R 359.6 |
| 1998 | 0.6 | 54.0 | 5.5 | 0.7 | 2.0 | 0.3 | (s) | 8.5 | 0.0 | 4.0 | 0.0 | 88.2 | 155.3 | R 198.8 | R 354.2 |
| 1999 | 2.2 | 54.0 | 5.6 | 0.3 | 2.6 | 0.3 | 0.0 | 8.7 | 0.0 | 4.0 | 0.0 | 89.6 | 158.5 | R 203.7 | R 362.2 |
| 2000 | 2.6 | 55.3 | 6.3 | 0.6 | 2.9 | 0.3 | 0.0 | 10.0 | 0.0 | 3.9 | 0.0 | 91.5 | 163.3 | R 206.9 | R 370.2 |
| 2001 | 3.0 | 55.0 | 5.4 | 0.5 | 2.3 | 0.3 | 0.0 | 8.5 | 0.0 | 2.5 | 0.0 | 92.3 | 161.3 | R 204.5 | R 365.8 |
| 2002 | 1.4 | 55.4 | 6.0 | 0.3 | 2.7 | 0.3 | 0.0 | 9.3 | 0.0 | 1.6 | 0.0 | 94.3 | 162.0 | R 208.9 | R 370.9 |
| 2003 | 2.8 | 58.4 | 6.2 | 0.3 | 2.7 | 0.3 | 0.0 | 9.5 | 0.0 | 1.2 | 0.0 | 93.8 | 165.7 | R 205.7 | R 371.4 |
| 2004 | 1.5 | 56.0 | 6.2 | 0.2 | 2.4 | 0.3 | 0.1 | 9.2 | 0.0 | 1.2 | 0.0 | 96.4 | 164.3 | R 212.0 | R 376.3 |
| 2005 | 0.7 | 56.2 | 4.5 | 0.2 | 1.8 | 0.3 | 0.0 | 6.8 | 0.0 | R 1.8 | 0.0 | 99.4 | R 165.0 | R 216.3 | R 381.3 |
| 2006 | 0.9 | 53.5 | 3.8 | 0.2 | 2.4 | 0.3 | 0.0 | 6.7 | 0.0 | R 1.7 | 0.0 | 99.1 | R 161.8 | R 213.0 | R 374.8 |
| 2007 | 1.6 | 53.1 | 5.5 | 0.1 | 1.6 | 0.3 | 0.1 | 7.6 | 0.0 | R 1.8 | 0.0 | 102.3 | R 166.4 | R 219.4 | R 385.8 |
| 2008 | 2.1 | 56.1 | 3.9 | 0.1 | 2.0 | 0.3 | (s) | R 6.3 | 0.0 | R 1.9 | 0.0 | 100.4 | R 166.8 | R 214.8 | R 381.6 |
| 2009 | 2.1 | 53.3 | 7.3 | 0.1 | 1.3 | 0.3 | (s) | 9.0 | 0.0 | 1.9 | 0.0 | 95.4 | 161.7 | 200.8 | 362.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,307 | 76 | 2,096 | 275 | 627 | 180 | 5,124 | 8,301 | 0 | – – | – – | – – | 27,514 | – – | – – | – – |
| 1965 | 2,862 | 97 | 2,601 | 522 | 484 | 264 | 9,539 | 13,410 | 0 | – – | – – | – – | 28,362 | – – | – – | – – |
| 1970 | 2,452 | 123 | 3,172 | 363 | 235 | 593 | 11,881 | 16,245 | 0 | – – | – – | – – | 27,776 | – – | – – | – – |
| 1975 | 2,134 | 112 | 4,712 | 455 | 117 | 523 | 10,572 | 16,379 | 0 | – – | – – | – – | 37,904 | – – | – – | – – |
| 1980 | 2,774 | 123 | 4,252 | 960 | 36 | 1,445 | 13,036 | 19,730 | 0 | – – | – – | – – | 32,968 | – – | – – | – – |
| 1985 | 4,145 | 97 | 3,615 | 693 | 642 | 441 | 11,418 | 16,810 | 0 | – – | – – | – – | 33,624 | – – | – – | – – |
| 1990 | 3,846 | 110 | 3,399 | 761 | 583 | 269 | 16,697 | 21,710 | 0 | – – | – – | – – | 35,313 | – – | – – | – – |
| 1995 | 3,777 | 126 | 3,682 | 777 | 865 | 346 | 17,553 | 23,224 | 827 | – – | – – | – – | 44,828 | – – | – – | – – |
| 1996 | 3,670 | 127 | 3,733 | 810 | 890 | 181 | 12,004 | 17,617 | 888 | – – | – – | – – | 45,781 | – – | – – | – – |
| 1997 | 3,613 | 139 | 4,333 | 871 | 937 | 108 | 11,541 | 17,790 | 965 | – – | – – | – – | 27,710 | – – | – – | – – |
| 1998 | 3,441 | 145 | 3,978 | 400 | 630 | 156 | 14,048 | 19,212 | 799 | – – | – – | – – | 30,461 | – – | – – | – – |
| 1999 | 3,299 | 145 | 2,647 | 1,066 | 569 | 50 | 14,875 | 19,207 | 652 | – – | – – | – – | 31,493 | – – | – – | – – |
| 2000 | 3,349 | 130 | 2,443 | 1,384 | 561 | 66 | 14,105 | 18,558 | 520 | – – | – – | – – | 32,289 | – – | – – | – – |
| 2001 | 3,575 | 119 | 2,620 | 1,277 | 954 | 146 | 21,659 | 26,657 | 404 | – – | – – | – – | 32,149 | – – | – – | – – |
| 2002 | 3,340 | 118 | 2,217 | 1,947 | 902 | 133 | 20,538 | 25,736 | 656 | – – | – – | – – | 31,845 | – – | – – | – – |
| 2003 | 3,354 | 112 | 2,972 | 843 | 980 | 247 | 20,952 | 25,993 | 917 | – – | – – | – – | 32,278 | – – | – – | – – |
| 2004 | 3,233 | 99 | 3,538 | 1,168 | 1,217 | 287 | 22,956 | 29,164 | 759 | – – | – – | – – | 32,885 | – – | – – | – – |
| 2005 | 3,149 | 95 | 4,046 | 1,323 | 1,212 | 302 | 24,015 | 30,897 | 772 | – – | – – | – – | 33,625 | – – | – – | – – |
| 2006 | 3,018 | 94 | 3,433 | 1,520 | 1,369 | 177 | R 43,659 | R 50,158 | 581 | – – | – – | – – | 34,081 | – – | – – | – – |
| 2007 | 2,993 | 92 | 3,569 | 1,167 | 1,866 | 162 | R 40,453 | R 47,216 | 0 | – – | – – | – – | 33,850 | – – | – – | – – |
| 2008 | 2,939 | 92 | R 2,608 | R 554 | 1,497 | 158 | R 36,520 | R 41,337 | 0 | – – | – – | – – | 32,804 | – – | – – | – – |
| 2009 | 2,524 | 84 | 1,710 | 295 | 1,478 | 37 | 27,838 | 31,358 | 0 | – – | – – | – – | 26,569 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 58.1 | 78.6 | 12.2 | 1.1 | 3.3 | 1.1 | 31.2 | 48.9 | 0.0 | 19.5 | NA | NA | 93.9 | 299.0 | 232.2 | R 531.1 |
| 1965 | 71.4 | 101.9 | 15.2 | 2.1 | 2.5 | 1.7 | 57.8 | 79.2 | 0.0 | 27.2 | NA | NA | 96.8 | 376.5 | R 231.0 | R 607.5 |
| 1970 | 58.0 | 125.9 | 18.5 | 1.4 | 1.2 | 3.7 | 71.1 | 95.9 | 0.0 | 37.3 | NA | NA | 94.8 | 411.9 | R 229.3 | R 641.1 |
| 1975 | 49.9 | 115.1 | 27.4 | 1.7 | 0.6 | 3.3 | 64.4 | 97.5 | 0.0 | 37.3 | NA | NA | 129.3 | 429.2 | R 310.2 | R 739.4 |
| 1980 | 67.2 | 125.1 | 24.8 | 3.5 | 0.2 | 9.1 | 77.0 | 114.5 | 0.0 | 49.4 | NA | NA | 112.5 | 468.7 | R 270.2 | R 738.9 |
| 1985 | 102.2 | 100.6 | 21.1 | 2.5 | 3.4 | 2.8 | 69.1 | 98.8 | 0.0 | 57.9 | 2.5 | NA | 114.7 | 476.7 | R 262.8 | R 739.4 |
| 1990 | 96.8 | 113.6 | 19.8 | 2.8 | 3.1 | 1.7 | 99.6 | 126.9 | 0.0 | 33.3 | 2.2 | 0.0 | 120.5 | 493.3 | R 276.5 | R 769.8 |
| 1995 | 94.9 | 129.8 | 21.5 | 2.8 | 4.5 | 2.2 | 103.7 | 134.6 | 8.5 | 40.7 | 2.3 | 0.0 | 153.0 | 563.8 | R 345.3 | R 909.1 |
| 1996 | 91.8 | 130.6 | 21.7 | 2.9 | 4.6 | 1.1 | 73.7 | 104.1 | 9.2 | 35.3 | 1.0 | 0.0 | 156.2 | R 528.1 | R 353.0 | R 881.1 |
| 1997 | 90.3 | 143.2 | 25.2 | 3.1 | 4.9 | 0.7 | 70.7 | 104.6 | 9.9 | 33.7 | 1.7 | 0.0 | 94.5 | 478.0 | R 212.8 | R 690.8 |
| 1998 | 86.1 | 149.0 | 23.2 | 1.4 | 3.3 | 1.0 | 86.5 | 115.3 | 8.1 | 34.9 | 2.0 | 0.0 | 103.9 | 499.5 | R 234.2 | R 733.7 |
| 1999 | 82.5 | 148.5 | 15.4 | 3.9 | 3.0 | 0.3 | 91.3 | 113.9 | 6.7 | 38.3 | 1.9 | 0.0 | 107.5 | 499.3 | R 244.3 | R 743.6 |
| 2000 | 87.4 | 134.6 | 14.2 | 5.0 | 2.9 | 0.4 | 86.8 | 109.4 | 5.3 | 40.6 | 2.3 | 0.0 | 110.2 | 489.7 | R 249.2 | R 738.9 |
| 2001 | 92.0 | 123.0 | 15.3 | 4.6 | 5.0 | 0.9 | 129.0 | 154.8 | 4.2 | 54.8 | 2.6 | 0.0 | 109.7 | R 541.0 | R 243.0 | R 784.1 |
| 2002 | 87.0 | 122.1 | 12.9 | 7.0 | 4.7 | 0.8 | 121.9 | 147.3 | 6.7 | 54.8 | 3.6 | 0.0 | 108.7 | 530.1 | R 240.8 | R 770.9 |
| 2003 | 87.2 | 116.2 | 17.3 | 3.1 | 5.1 | 1.6 | 124.3 | 151.3 | 9.4 | 49.6 | 4.2 | 0.0 | 110.1 | R 528.0 | R 241.6 | R 769.6 |
| 2004 | 84.0 | 102.0 | 20.6 | 4.2 | 6.3 | 1.8 | 135.5 | 168.5 | 7.6 | 62.9 | 3.9 | 0.0 | 112.2 | R 541.1 | R 246.8 | R 787.9 |
| 2005 | 81.6 | 98.3 | 23.6 | 4.8 | 6.3 | 1.9 | 143.5 | 180.1 | 7.7 | 51.4 | 3.7 | 0.0 | 114.7 | 537.5 | R 249.5 | R 787.0 |
| 2006 | 78.2 | 97.3 | 20.0 | 5.5 | 7.1 | 1.1 | R 250.7 | R 284.5 | 5.8 | R 45.0 | 3.7 | 0.0 | 116.3 | R 630.7 | R 250.0 | R 880.6 |
| 2007 | 77.6 | 95.7 | 20.8 | 4.2 | 9.7 | 1.0 | R 230.9 | R 266.6 | 0.0 | R 43.1 | 3.9 | 0.0 | 115.5 | R 602.4 | R 247.7 | R 850.1 |
| 2008 | 76.6 | R 95.4 | R 15.2 | 2.0 | 7.8 | 1.0 | R 209.1 | R 235.1 | 0.0 | R 51.6 | 4.7 | 0.0 | 111.9 | R 575.3 | R 239.6 | R 814.8 |
| 2009 | 66.0 | 85.8 | 10.0 | 1.0 | 7.7 | 0.2 | 158.0 | 176.9 | 0.0 | 46.6 | 9.6 | 0.0 | 90.7 | 475.7 | 190.8 | 666.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 40 | 5 | 1,040 | 2,914 | 570 | 22 | 505 | 26,468 | 8 | 31,527 | (s) | – – | – – | – – |
| 1965 | 9 | 23 | 1,024 | 4,346 | 1,174 | 54 | 479 | 31,721 | 22 | 38,819 | (s) | – – | – – | – – |
| 1970 | 4 | 26 | 116 | 7,189 | 3,335 | 94 | 491 | 41,241 | 3 | 52,469 | (s) | – – | – – | – – |
| 1975 | (s) | 19 | 70 | 10,631 | 3,936 | 120 | 807 | 53,199 | 191 | 68,953 | (s) | – – | – – | – – |
| 1980 | 0 | 16 | 290 | 13,196 | 4,154 | 61 | 676 | 54,446 | 6 | 72,828 | (s) | – – | – – | – – |
| 1985 | 0 | 10 | 154 | 15,268 | 4,862 | 166 | 615 | 57,068 | 0 | 78,134 | (s) | – – | – – | – – |
| 1990 | 0 | 20 | 174 | 19,857 | 4,181 | 126 | 692 | 56,954 | 5 | 81,989 | (s) | – – | – – | – – |
| 1995 | 0 | 18 | 397 | 20,702 | 8,096 | 135 | 660 | 63,907 | 2 | 93,899 | 1 | – – | – – | – – |
| 1996 | 0 | 24 | 231 | 21,464 | 9,317 | 133 | 641 | 63,928 | 2 | 95,715 | 1 | – – | – – | – – |
| 1997 | 0 | 23 | 312 | 21,175 | 9,437 | 120 | 677 | 65,162 | 4 | 96,887 | 1 | – – | – – | – – |
| 1998 | 0 | 16 | 136 | 22,438 | 9,864 | 3 | 709 | 66,842 | 0 | 99,991 | 2 | – – | – – | – – |
| 1999 | 0 | 15 | 109 | 21,732 | 11,816 | 58 | 716 | 69,151 | 0 | 103,583 | 2 | – – | – – | – – |
| 2000 | 0 | 14 | 124 | 23,293 | 12,857 | 75 | 705 | 68,252 | 0 | 105,305 | 2 | – – | – – | – – |
| 2001 | 0 | 14 | 60 | 23,977 | 12,561 | 14 | 646 | 67,385 | 4 | 104,648 | 2 | – – | – – | – – |
| 2002 | 0 | 12 | 150 | 25,921 | 13,442 | 114 | 639 | 71,009 | 3 | 111,278 | 2 | – – | – – | – – |
| 2003 | 0 | 13 | 131 | 27,374 | 13,376 | 94 | 590 | 71,519 | 8 | 113,092 | 2 | – – | – – | – – |
| 2004 | 0 | 11 | 93 | 28,266 | 13,623 | 162 | 598 | 71,698 | 42 | 114,481 | 1 | – – | – – | – – |
| 2005 | 0 | 9 | 102 | 29,483 | 13,915 | 221 | 595 | 73,105 | 58 | 117,480 | 1 | – – | – – | – – |
| 2006 | 0 | 9 | 89 | 29,694 | 14,207 | 231 | 580 | 73,486 | 12 | 118,298 | 1 | – – | – – | – – |
| 2007 | 0 | 10 | 104 | 30,389 | 13,811 | 162 | 599 | 74,155 | 5 | 119,225 | 2 | – – | – – | – – |
| 2008 | 0 | 10 | 119 | R 26,108 | 12,669 | R 248 | 556 | 72,105 | 46 | R 111,852 | 2 | – – | – – | – – |
| 2009 | 0 | 11 | 127 | 21,765 | 11,179 | 100 | 500 | 73,899 | 0 | 107,570 | 2 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.0 | 5.5 | 5.2 | 17.0 | 3.1 | 0.1 | 3.1 | 139.0 | 0.1 | 167.6 | (s) | 174.1 | (s) | 174.1 |
| 1965 | 0.2 | 23.7 | 5.2 | 25.3 | 6.5 | 0.2 | 2.9 | 166.6 | 0.1 | 206.9 | (s) | 230.9 | (s) | 230.9 |
| 1970 | 0.1 | 27.0 | 0.6 | 41.9 | 18.8 | 0.4 | 3.0 | 216.6 | (s) | 281.2 | (s) | 308.4 | (s) | 308.4 |
| 1975 | (s) | 19.7 | 0.4 | 61.9 | 22.2 | 0.4 | 4.9 | 279.5 | 1.2 | 370.5 | (s) | 390.2 | (s) | 390.2 |
| 1980 | 0.0 | 16.8 | 1.5 | 76.9 | 23.4 | 0.2 | 4.1 | 286.0 | (s) | 392.1 | (s) | 408.9 | (s) | 408.9 |
| 1985 | 0.0 | 10.5 | 0.8 | 88.9 | 27.5 | 0.6 | 3.7 | 299.8 | 0.0 | 421.3 | (s) | 434.2 | (s) | 434.2 |
| 1990 | 0.0 | 20.3 | 0.9 | 115.7 | 23.6 | 0.5 | 4.2 | 299.2 | (s) | 444.0 | (s) | 466.3 | (s) | 466.3 |
| 1995 | 0.0 | 18.3 | 2.0 | 120.6 | 45.9 | 0.5 | 4.0 | 333.3 | (s) | 506.3 | (s) | 524.6 | (s) | 524.6 |
| 1996 | 0.0 | 25.1 | 1.2 | 125.0 | 52.8 | 0.5 | 3.9 | 333.4 | (s) | 516.8 | (s) | 542.0 | (s) | 542.0 |
| 1997 | 0.0 | 24.0 | 1.6 | 123.3 | 53.5 | 0.4 | 4.1 | 339.7 | (s) | 522.7 | (s) | 546.7 | (s) | 546.7 |
| 1998 | 0.0 | 17.0 | 0.7 | 130.7 | 55.9 | (s) | 4.3 | 348.4 | 0.0 | 540.0 | (s) | 557.0 | (s) | 557.0 |
| 1999 | 0.0 | 15.7 | 0.6 | 126.6 | 67.0 | 0.2 | 4.3 | 360.3 | 0.0 | 559.0 | (s) | 574.7 | (s) | 574.7 |
| 2000 | 0.0 | 14.4 | 0.6 | 135.7 | 72.9 | 0.3 | 4.3 | 355.6 | 0.0 | 569.3 | (s) | 583.7 | (s) | 583.8 |
| 2001 | 0.0 | 14.3 | 0.3 | 139.7 | 71.2 | 0.1 | 3.9 | 351.1 | (s) | 566.3 | (s) | 580.6 | (s) | 580.6 |
| 2002 | 0.0 | 11.9 | 0.8 | 151.0 | 76.2 | 0.4 | 3.9 | 369.8 | (s) | 602.1 | (s) | 614.0 | (s) | 614.0 |
| 2003 | 0.0 | 13.3 | 0.7 | 159.5 | 75.8 | 0.3 | 3.6 | 372.4 | 0.1 | 612.3 | (s) | 625.6 | (s) | 625.7 |
| 2004 | 0.0 | 10.9 | 0.5 | 164.6 | 77.2 | 0.6 | 3.6 | 373.9 | 0.3 | 620.7 | (s) | 631.7 | (s) | 631.7 |
| 2005 | 0.0 | 9.5 | 0.5 | 171.7 | 78.9 | 0.8 | 3.6 | 381.5 | 0.4 | 637.4 | (s) | 646.9 | (s) | 646.9 |
| 2006 | 0.0 | 9.0 | 0.4 | 173.0 | 80.6 | 0.8 | 3.5 | 383.4 | 0.1 | 641.8 | (s) | 650.9 | (s) | 650.9 |
| 2007 | 0.0 | 10.4 | 0.5 | 177.0 | 78.3 | 0.6 | 3.6 | 387.0 | (s) | 647.1 | (s) | 657.5 | (s) | 657.5 |
| 2008 | 0.0 | 10.6 | 0.6 | R 152.1 | 71.8 | 0.9 | 3.4 | 376.2 | 0.3 | R 605.3 | (s) | R 616.0 | (s) | R 616.0 |
| 2009 | 0.0 | 11.7 | 0.6 | 126.8 | 63.4 | 0.4 | 3.0 | 385.6 | 0.0 | 579.8 | (s) | 591.5 | (s) | 591.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Tennessee

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 12,138 | 7 | 0 | (s) | 0 | (s) | 0 | 8,676 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 10,637 | 16 | 0 | 0 | 0 | 0 | 0 | 8,750 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 14,727 | 17 | 0 | 0 | 0 | 0 | 0 | 8,067 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 18,848 | 0 | 0 | 1,310 | 0 | 1,310 | 0 | 11,806 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 21,679 | 1 | 0 | 406 | 0 | 406 | 519 | 8,764 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 20,853 | 0 | 0 | 237 | 0 | 237 | 9,672 | 6,539 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 20,814 | 1 | 0 | 232 | 0 | 232 | 14,003 | 10,015 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 23,477 | 2 | 0 | 455 | 0 | 455 | 15,708 | 8,802 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 22,963 | 1 | 0 | 460 | 0 | 460 | 22,924 | 10,579 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 24,464 | 2 | 0 | 375 | 0 | 375 | 24,648 | 10,073 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 23,321 | 6 | 0 | 1,448 | 0 | 1,448 | 28,388 | 10,007 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 23,216 | 6 | 0 | 1,042 | 0 | 1,042 | 27,227 | 7,150 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 25,401 | 5 | 0 | 1,059 | 0 | 1,059 | 25,825 | 5,876 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 24,487 | 2 | 0 | 891 | 0 | 891 | 28,576 | 6,543 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 24,630 | 3 | 0 | 443 | 0 | 443 | 27,574 | 7,317 | – – | 0 | 0 | 4 | 0 | – – |
| 2003 | 23,189 | 6 | 0 | 819 | 0 | 819 | 24,153 | 11,087 | – – | 0 | 0 | 4 | (s) | – – |
| 2004 | 24,832 | 2 | 0 | 313 | 0 | 313 | 28,612 | 9,649 | – – | 0 | 0 | 4 | (s) | – – |
| 2005 | 26,119 | 6 | 0 | 400 | 0 | 400 | 27,803 | 8,538 | – – | 0 | 0 | 3 | 0 | – – |
| 2006 | 27,216 | 7 | 0 | 260 | 0 | 260 | 24,679 | 7,167 | – – | 0 | 0 | 55 | 0 | – – |
| 2007 | 27,348 | 7 | 0 | 278 | 0 | 278 | 28,700 | 4,940 | – – | 0 | 0 | 50 | 0 | – – |
| 2008 | 26,632 | 4 | 0 | 390 | 0 | 390 | 27,030 | 5,646 | – – | 0 | 0 | 50 | 0 | – – |
| 2009 | 19,462 | 4 | 0 | 348 | 0 | 348 | 26,962 | 10,212 | – – | 0 | 0 | 52 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 291.8 | 7.5 | 0.0 | (s) | 0.0 | (s) | 0.0 | 93.4 | 0.0 | 0.0 | NA | NA | 0.0 | 392.6 |
| 1965 | 250.9 | 17.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.5 | 0.0 | 0.0 | NA | NA | 0.0 | 359.4 |
| 1970 | 332.7 | 17.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 84.7 | 0.0 | 0.0 | NA | NA | 0.0 | 435.0 |
| 1975 | 414.3 | 0.0 | 0.0 | 7.6 | 0.0 | 7.6 | 0.0 | 122.9 | 0.0 | 0.0 | NA | NA | 0.0 | 544.8 |
| 1980 | 504.1 | 1.1 | 0.0 | 2.4 | 0.0 | 2.4 | 5.7 | 91.0 | 0.0 | 0.0 | NA | NA | 0.0 | 604.3 |
| 1985 | 493.3 | 0.0 | 0.0 | 1.4 | 0.0 | 1.4 | 102.7 | 68.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 665.8 |
| 1990 | 498.4 | 0.6 | 0.0 | 1.4 | 0.0 | 1.4 | 148.2 | 104.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 752.7 |
| 1995 | 570.4 | 2.1 | 0.0 | 2.7 | 0.0 | 2.7 | 165.0 | 90.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 831.2 |
| 1996 | 556.2 | 0.6 | 0.0 | 2.7 | 0.0 | 2.7 | 240.8 | 109.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 909.9 |
| 1997 | 587.0 | 1.7 | 0.0 | 2.2 | 0.0 | 2.2 | 258.7 | 102.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 952.7 |
| 1998 | 565.1 | 6.3 | 0.0 | 8.4 | 0.0 | 8.4 | 297.8 | 102.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 980.0 |
| 1999 | 563.2 | 6.0 | 0.0 | 6.1 | 0.0 | 6.1 | 284.5 | 73.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 933.2 |
| 2000 | 614.8 | 5.4 | 0.0 | 6.2 | 0.0 | 6.2 | 269.3 | 59.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 956.0 |
| 2001 | 591.9 | 2.6 | 0.0 | 5.2 | 0.0 | 5.2 | 298.4 | 67.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 966.2 |
| 2002 | 567.4 | 2.7 | 0.0 | 2.6 | 0.0 | 2.6 | 287.9 | 74.4 | 0.5 | 0.0 | 0.0 | (s) | 0.0 | 935.5 |
| 2003 | 531.0 | 5.8 | 0.0 | 4.8 | 0.0 | 4.8 | 251.7 | 113.5 | 0.4 | 0.0 | 0.0 | (s) | (s) | 907.2 |
| 2004 | 562.3 | 2.3 | 0.0 | 1.8 | 0.0 | 1.8 | 298.3 | 96.7 | 0.2 | 0.0 | 0.0 | (s) | (s) | 961.8 |
| 2005 | 575.3 | 5.8 | 0.0 | 2.3 | 0.0 | 2.3 | 290.2 | 85.4 | 0.3 | 0.0 | 0.0 | (s) | 0.0 | 959.3 |
| 2006 | 597.9 | 6.9 | 0.0 | 1.5 | 0.0 | 1.5 | 257.5 | 71.1 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 935.8 |
| 2007 | 593.4 | 7.5 | 0.0 | 1.6 | 0.0 | 1.6 | 300.9 | 48.8 | 0.2 | 0.0 | 0.0 | 0.5 | 0.0 | 953.0 |
| 2008 | 564.8 | 4.5 | 0.0 | 2.3 | 0.0 | 2.3 | 282.5 | 55.6 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 910.6 |
| 2009 | 409.3 | 3.8 | 0.0 | 2.0 | 0.0 | 2.0 | 282.0 | 99.7 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 797.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Texas

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 1,067 | 2,720 | 24,400 | 10,842 | 73,297 | 91,841 | 22,584 | 72,395 | 295,360 | 0 | 1,102 | NA |
| 1965 | 1,146 | 3,068 | 24,854 | 15,365 | 109,109 | 107,851 | 14,322 | 99,052 | 370,553 | 0 | 743 | NA |
| 1970 | 1,154 | 4,093 | 32,410 | 24,430 | 151,223 | 141,393 | 14,146 | 125,875 | 489,477 | 0 | 1,005 | NA |
| 1971 | 921 | 4,365 | 34,926 | 25,067 | 154,363 | 148,620 | 12,126 | 129,761 | 504,864 | 0 | 880 | NA |
| 1972 | 2,774 | 4,413 | 46,020 | 25,910 | 178,294 | 159,242 | 14,860 | 141,389 | 565,716 | 0 | 830 | NA |
| 1973 | 7,885 | 4,621 | 53,752 | 26,533 | 184,322 | 169,451 | 29,754 | 152,675 | 616,488 | 0 | 1,700 | NA |
| 1974 | 8,476 | 4,463 | 55,721 | 25,955 | 176,592 | 167,865 | 35,968 | 154,229 | 616,329 | 0 | 1,631 | NA |
| 1975 | 12,765 | 3,944 | 54,706 | 27,308 | 157,246 | 175,538 | 38,536 | 145,889 | 599,224 | 0 | 1,927 | NA |
| 1976 | 15,981 | 3,975 | 58,322 | 25,641 | 160,449 | 186,703 | 44,304 | 169,168 | 644,588 | 0 | 1,068 | NA |
| 1977 | 19,671 | 4,143 | 74,729 | 26,704 | 162,361 | 195,017 | 53,725 | 193,449 | 705,985 | 0 | 1,169 | NA |
| 1978 | 28,759 | 4,211 | 80,965 | 27,954 | 165,026 | 201,991 | 60,875 | 208,034 | 744,845 | 0 | 765 | NA |
| 1979 | 39,409 | 4,001 | 89,011 | 29,263 | 182,236 | 195,984 | 72,076 | 240,950 | 809,519 | 0 | 1,202 | NA |
| 1980 | 48,602 | 4,091 | 72,513 | 30,934 | 189,802 | 180,997 | 65,070 | 251,131 | 790,447 | 0 | 979 | NA |
| 1981 | 56,364 | 3,927 | 90,679 | 30,922 | 204,321 | 185,175 | 67,308 | 194,742 | 773,148 | 0 | 1,145 | 0 |
| 1982 | 61,217 | 3,394 | 90,523 | 42,809 | 195,305 | 190,663 | 59,968 | 164,771 | 744,040 | 0 | 1,027 | 91 |
| 1983 | 68,201 | 3,242 | 96,961 | 47,270 | 196,447 | 195,020 | 43,198 | 167,015 | 745,911 | 0 | 1,107 | 656 |
| 1984 | 72,452 | 3,433 | 83,989 | 64,626 | 263,521 | 196,755 | 35,390 | 165,367 | 809,648 | 0 | 1,031 | 464 |
| 1985 | 77,017 | 3,386 | 79,984 | 74,500 | 256,932 | 205,419 | 28,713 | 159,901 | 805,449 | 0 | 1,401 | 807 |
| 1986 | 79,259 | 3,186 | 73,832 | 80,214 | 250,171 | 209,513 | 27,842 | 163,706 | 805,278 | 0 | 1,972 | 787 |
| 1987 | 82,915 | 3,303 | 70,309 | 84,562 | 272,281 | 205,338 | 21,971 | 169,458 | 823,919 | 0 | 2,158 | 1,107 |
| 1988 | 86,644 | 3,531 | 69,437 | 94,793 | 292,960 | 208,680 | 24,328 | 184,517 | 874,715 | 3,792 | 1,235 | 830 |
| 1989 | 91,443 | 3,744 | 73,839 | 93,265 | 306,174 | 203,520 | 28,570 | 179,138 | 884,506 | 9,990 | 1,441 | 626 |
| 1990 | 91,415 | 3,729 | 67,909 | 95,903 | 293,043 | 205,402 | 27,463 | 200,482 | 890,202 | 15,859 | 1,794 | 584 |
| 1991 | 92,064 | 3,688 | 72,666 | 90,674 | 320,936 | 198,780 | 28,434 | 194,167 | 905,657 | 19,800 | 2,225 | 582 |
| 1992 | 91,568 | 3,613 | 76,195 | 90,029 | 333,233 | 200,686 | 30,595 | 211,297 | 942,033 | 24,496 | 2,638 | 658 |
| 1993 | 96,809 | 3,818 | 81,982 | 86,961 | 322,305 | 207,441 | 22,566 | 208,979 | 930,235 | 12,407 | 1,786 | 150 |
| 1994 | 93,829 | 3,746 | 83,328 | 83,397 | 358,599 | 218,772 | 21,623 | 214,572 | 980,291 | 28,745 | 1,530 | 371 |
| 1995 | 92,612 | 3,893 | 88,126 | 83,002 | 370,395 | 213,428 | 22,544 | 206,919 | 984,414 | 36,151 | 1,703 | 1,215 |
| 1996 | 98,997 | 4,132 | 96,751 | 99,870 | 395,062 | 226,381 | 20,292 | 234,898 | 1,073,253 | 35,767 | 960 | 452 |
| 1997 | 101,303 | 4,116 | 98,062 | 105,655 | 449,056 | 224,997 | 22,092 | 250,295 | 1,150,157 | 37,358 | 1,791 | 1,069 |
| 1998 | 99,097 | 4,206 | 106,480 | 108,635 | 447,111 | 236,779 | 25,507 | 238,181 | 1,162,693 | 38,685 | 1,425 | 1,583 |
| 1999 | 102,151 | 4,010 | 104,717 | 104,896 | 445,191 | 242,992 | 18,115 | 236,251 | 1,152,163 | 36,760 | 1,120 | 1,364 |
| 2000 | 101,578 | 4,422 | 111,848 | 102,717 | 406,539 | 249,819 | 21,810 | 232,331 | 1,125,063 | 37,556 | 829 | 1,563 |
| 2001 | 96,894 | 4,279 | 119,392 | 112,845 | 391,010 | 256,553 | 17,237 | 216,746 | 1,113,782 | 38,163 | 1,200 | 1,582 |
| 2002 | 99,785 | 4,328 | 114,102 | 115,598 | 419,078 | 268,490 | 16,993 | 216,722 | 1,150,984 | 35,618 | 1,123 | 689 |
| 2003 | 104,542 | 4,074 | 114,604 | 101,335 | 427,336 | 269,532 | 18,554 | 229,562 | 1,160,923 | 33,437 | 897 | 561 |
| 2004 | 105,922 | 3,933 | 120,621 | 88,821 | 446,608 | 275,724 | 21,548 | 246,764 | 1,200,085 | 40,435 | 1,301 | 665 |
| 2005 | 105,327 | 3,526 | 127,873 | 80,382 | 413,487 | 278,350 | 26,026 | 236,278 | 1,162,397 | 38,232 | 1,333 | 401 |
| 2006 | 103,763 | 3,460 | 141,350 | 81,452 | 422,030 | 285,419 | 27,958 | R 288,243 | R 1,246,452 | 41,264 | 662 | 10,833 |
| 2007 | 104,784 | 3,543 | 144,541 | 75,409 | 433,291 | 290,606 | 32,671 | R 276,997 | R 1,253,514 | 40,955 | 1,644 | 15,466 |
| 2008 | 103,657 | R 3,568 | R 144,950 | 72,516 | 384,468 | 288,139 | 29,567 | R 243,208 | R 1,162,848 | 40,727 | 1,039 | 18,391 |
| 2009 | 96,253 | 3,384 | 132,143 | 61,808 | 418,549 | 289,454 | 24,268 | 216,203 | 1,142,425 | 41,498 | 1,029 | 19,278 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Texas

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | *Fossil Fuels (as commingled)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels [a]* | *Motor Gasoline including Fuel Ethanol [a]* |
| 1960 | 25.0 | 2,815.5 | 142.1 | 58.6 | 294.0 | 482.4 | 142.0 | 432.8 | 1,552.0 | 4,392.4 | *2,815.5* | *482.4* |
| 1965 | 29.2 | 3,181.5 | 144.8 | 84.3 | 437.6 | 566.5 | 90.0 | 585.7 | 1,909.0 | 5,119.6 | *3,181.5* | *566.5* |
| 1970 | 30.8 | 4,203.9 | 188.8 | 135.9 | 571.5 | 742.7 | 88.9 | 741.2 | 2,469.1 | 6,703.7 | *4,203.9* | *742.7* |
| 1971 | 24.0 | 4,482.6 | 203.4 | 139.4 | 582.3 | 780.7 | 76.2 | 762.1 | 2,544.2 | 7,050.8 | *4,482.6* | *780.7* |
| 1972 | 50.1 | 4,531.8 | 268.1 | 144.4 | 670.4 | 836.5 | 93.4 | 830.4 | 2,843.2 | 7,425.1 | *4,531.8* | *836.5* |
| 1973 | 125.9 | 4,746.2 | 313.1 | 148.2 | 690.5 | 890.1 | 187.1 | 897.0 | 3,125.9 | 7,998.0 | *4,746.2* | *890.1* |
| 1974 | 133.1 | 4,584.0 | 324.6 | 144.9 | 658.7 | 881.8 | 226.1 | 904.4 | 3,140.5 | 7,857.6 | *4,584.0* | *881.8* |
| 1975 | 196.2 | 4,046.9 | 318.7 | 152.7 | 584.2 | 922.1 | 242.3 | 854.5 | 3,074.4 | 7,317.5 | *4,046.9* | *922.1* |
| 1976 | 226.3 | 4,074.7 | 339.7 | 143.3 | 595.4 | 980.8 | 278.5 | 984.2 | 3,322.0 | 7,623.0 | *4,074.7* | *980.8* |
| 1977 | 288.2 | 4,254.9 | 435.3 | 149.3 | 597.0 | 1,024.4 | 337.8 | 1,125.3 | 3,669.1 | 8,212.1 | *4,254.9* | *1,024.4* |
| 1978 | 418.4 | 4,329.8 | 471.6 | 156.5 | 605.5 | 1,061.1 | 382.7 | 1,211.9 | 3,889.3 | 8,637.5 | *4,329.8* | *1,061.1* |
| 1979 | 587.6 | 4,131.4 | 518.5 | 164.0 | 670.6 | 1,029.5 | 453.1 | 1,387.7 | 4,223.5 | 8,942.5 | *4,131.4* | *1,029.5* |
| 1980 | 734.1 | 4,226.1 | 422.4 | 173.3 | 697.3 | 950.8 | 409.1 | 1,439.3 | 4,092.2 | 9,052.4 | *4,226.1* | *950.8* |
| 1981 | 858.5 | 4,052.3 | 528.2 | 173.4 | 744.3 | 972.7 | 423.2 | 1,117.4 | 3,959.2 | 8,870.1 | *4,052.3* | *972.7* |
| 1982 | 931.1 | 3,503.0 | 527.3 | 240.7 | 706.0 | 1,001.6 | 377.0 | 950.4 | 3,803.0 | 8,237.0 | *3,503.0* | *1,001.6* |
| 1983 | 1,016.8 | 3,335.5 | 564.8 | 266.0 | 710.0 | 1,024.4 | 271.6 | 978.8 | 3,815.6 | 8,167.9 | *3,335.5* | *1,024.4* |
| 1984 | 1,074.9 | 3,556.2 | 489.2 | 364.3 | 948.4 | 1,033.6 | 222.5 | 950.3 | 4,008.3 | 8,639.4 | *3,556.2* | *1,033.6* |
| 1985 | 1,149.0 | 3,514.4 | 465.9 | 420.5 | 925.7 | 1,079.1 | 180.5 | 927.0 | 3,998.8 | 8,662.2 | *3,514.4* | *1,079.1* |
| 1986 | 1,162.7 | 3,312.9 | 430.1 | 453.0 | 910.6 | 1,100.6 | 175.0 | 954.4 | 4,023.7 | 8,499.3 | *3,312.9* | *1,100.6* |
| 1987 | 1,203.9 | 3,435.4 | 409.6 | 477.6 | 996.3 | 1,078.6 | 138.1 | 978.9 | 4,079.0 | 8,718.3 | *3,435.4* | *1,078.6* |
| 1988 | 1,264.1 | 3,665.2 | 404.5 | 535.5 | 1,069.9 | 1,096.2 | 153.0 | 1,069.2 | 4,328.2 | 9,257.5 | *3,665.2* | *1,096.2* |
| 1989 | 1,335.9 | 3,886.1 | 430.1 | 526.9 | 1,127.6 | 1,069.1 | 179.6 | 1,029.7 | 4,363.1 | 9,585.1 | *3,886.1* | *1,069.1* |
| 1990 | 1,333.7 | 3,876.5 | 395.6 | 542.1 | 1,062.3 | 1,079.0 | 172.7 | 1,155.9 | 4,407.5 | 9,617.7 | *3,877.8* | *1,079.0* |
| 1991 | 1,333.4 | 3,823.1 | 423.3 | 512.8 | 1,159.9 | 1,044.2 | 178.8 | 1,113.8 | 4,432.7 | 9,589.3 | *3,824.2* | *1,044.2* |
| 1992 | 1,324.1 | 3,768.3 | 443.8 | 509.1 | 1,207.6 | 1,054.2 | 192.3 | 1,206.7 | 4,613.9 | 9,706.2 | *3,768.3* | *1,054.2* |
| 1993 | 1,430.7 | 3,925.2 | 477.5 | 492.0 | 1,162.2 | 1,089.2 | 141.9 | 1,196.7 | 4,559.5 | 9,915.4 | *3,925.2* | *1,089.7* |
| 1994 | 1,389.4 | 3,885.1 | 485.4 | 472.5 | 1,303.5 | 1,142.9 | 135.9 | 1,224.6 | R 4,764.8 | R 10,039.3 | *3,885.1* | *1,144.2* |
| 1995 | 1,364.8 | 4,037.5 | 513.3 | 470.5 | 1,341.9 | R 1,108.8 | 141.7 | 1,181.8 | R 4,758.1 | R 10,160.4 | *4,037.5* | *1,113.0* |
| 1996 | 1,485.6 | 4,268.7 | 563.6 | 566.2 | 1,427.4 | 1,179.2 | 127.6 | 1,333.6 | 5,197.5 | R 10,951.8 | *4,268.7* | *1,180.8* |
| 1997 | 1,523.2 | 4,231.6 | 571.2 | 599.0 | 1,623.8 | R 1,169.2 | 138.9 | 1,423.0 | R 5,525.1 | R 11,279.9 | *4,231.6* | *1,172.9* |
| 1998 | 1,488.6 | 4,378.0 | 620.2 | 616.0 | 1,615.9 | R 1,228.6 | 160.4 | 1,354.1 | R 5,595.1 | R 11,461.6 | *4,378.0* | *1,234.1* |
| 1999 | 1,530.4 | 4,138.1 | 610.0 | 594.8 | 1,609.8 | R 1,261.5 | 113.9 | 1,336.2 | R 5,526.1 | R 11,194.6 | *4,138.1* | *1,266.2* |
| 2000 | 1,548.2 | 4,550.1 | 651.5 | 582.4 | 1,466.4 | R 1,296.1 | 137.1 | 1,311.1 | R 5,444.6 | R 11,542.9 | *4,550.1* | *1,301.6* |
| 2001 | 1,493.0 | 4,388.4 | 695.5 | 639.8 | 1,413.1 | R 1,331.2 | 108.4 | 1,244.9 | R 5,432.9 | R 11,314.2 | *4,389.9* | *1,336.6* |
| 2002 | 1,550.3 | 4,449.2 | 664.6 | 655.4 | 1,514.1 | R 1,395.9 | 106.8 | 1,245.9 | R 5,582.8 | 11,582.3 | *4,449.2* | *1,398.3* |
| 2003 | 1,604.0 | 4,180.3 | 667.6 | 574.6 | 1,550.8 | 1,401.5 | 116.7 | 1,321.0 | R 5,632.1 | 11,416.3 | *4,180.3* | *1,403.5* |
| 2004 | 1,626.0 | 4,043.1 | 702.6 | 503.6 | 1,615.8 | R 1,435.6 | 135.5 | 1,416.2 | R 5,809.3 | R 11,478.4 | *4,043.1* | *1,437.9* |
| 2005 | 1,627.9 | 3,625.1 | 744.9 | 455.8 | 1,496.8 | 1,451.0 | 163.6 | 1,361.4 | R 5,673.6 | 10,926.5 | *3,625.1* | *1,452.4* |
| 2006 | 1,610.3 | 3,549.5 | 823.4 | 461.8 | 1,521.4 | R 1,451.7 | 175.8 | R 1,656.1 | R 6,090.2 | R 11,250.0 | *3,549.5* | *1,489.3* |
| 2007 | 1,609.2 | 3,642.3 | 842.0 | 427.6 | 1,555.9 | R 1,463.0 | 205.4 | R 1,587.6 | R 6,081.5 | R 11,332.9 | *3,642.3* | *1,516.7* |
| 2008 | 1,605.9 | R 3,657.2 | R 844.3 | 411.2 | 1,384.1 | R 1,439.7 | 185.9 | R 1,394.6 | R 5,659.8 | R 10,923.0 | R *3,657.2* | *1,503.5* |
| 2009 | 1,497.9 | 3,462.2 | 769.7 | 350.5 | 1,489.2 | 1,443.6 | 152.6 | 1,240.1 | 5,445.7 | 10,405.7 | *3,462.2* | *1,510.4* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Texas (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 11.9 | 38.3 | NA | NA | 38.3 | 0.0 | NA | NA | 50.2 | R -9.9 | -0.6 | 4,432.1 |
| 1965 | 0.0 | 7.8 | 41.2 | NA | NA | 41.2 | 0.0 | NA | NA | 49.0 | R -10.4 | -0.3 | R 5,157.9 |
| 1970 | 0.0 | 10.5 | 52.2 | NA | NA | 52.2 | 0.0 | NA | NA | 62.8 | R 14.5 | -0.4 | R 6,780.5 |
| 1971 | 0.0 | 9.2 | 51.3 | NA | NA | 51.3 | 0.0 | NA | NA | 60.5 | R -5.3 | -0.6 | R 7,105.3 |
| 1972 | 0.0 | 8.6 | 58.9 | NA | NA | 58.9 | 0.0 | NA | NA | 67.6 | R -21.0 | -0.7 | R 7,471.0 |
| 1973 | 0.0 | 17.7 | 60.4 | NA | NA | 60.4 | 0.0 | NA | NA | 78.1 | R -3.3 | -1.1 | R 8,071.7 |
| 1974 | 0.0 | 17.0 | 59.7 | NA | NA | 59.7 | 0.0 | NA | NA | 76.7 | R -11.6 | -1.2 | R 7,921.6 |
| 1975 | 0.0 | 20.1 | 55.8 | NA | NA | 55.8 | 0.0 | NA | NA | 75.9 | R -27.1 | -1.2 | R 7,365.1 |
| 1976 | 0.0 | 11.1 | 64.9 | NA | NA | 64.9 | 0.0 | NA | NA | 76.0 | R -21.5 | -0.8 | R 7,676.6 |
| 1977 | 0.0 | 12.2 | 70.4 | NA | NA | 70.4 | 0.0 | NA | NA | 82.6 | R -35.1 | -0.2 | R 8,259.5 |
| 1978 | 0.0 | 7.9 | 76.3 | NA | NA | 76.3 | 0.0 | NA | NA | 84.2 | R -36.8 | -0.1 | R 8,684.9 |
| 1979 | 0.0 | 12.4 | 77.3 | NA | NA | 77.3 | 0.0 | NA | NA | 89.7 | R -62.0 | -0.1 | R 8,970.1 |
| 1980 | 0.0 | 10.2 | 55.6 | NA | NA | 55.6 | 0.0 | NA | NA | 65.8 | R -90.5 | -2.0 | R 9,025.8 |
| 1981 | 0.0 | 12.0 | 58.5 | 0.0 | (s) | 58.5 | 0.0 | NA | NA | 70.5 | R -100.5 | -1.0 | R 8,839.1 |
| 1982 | 0.0 | 10.7 | 69.7 | 0.3 | (s) | 70.0 | 0.0 | NA | NA | 80.8 | R -63.9 | (s) | R 8,253.9 |
| 1983 | 0.0 | 11.6 | 64.1 | 2.3 | (s) | R 66.4 | 0.0 | NA | 0.0 | 78.1 | R -19.6 | 0.2 | R 8,226.5 |
| 1984 | 0.0 | 10.8 | 76.2 | 1.6 | (s) | 77.9 | 0.0 | 0.0 | 0.0 | R 88.6 | R 28.0 | 0.2 | R 8,756.2 |
| 1985 | 0.0 | 14.6 | 78.8 | 2.8 | (s) | 81.7 | 0.0 | 0.0 | 0.0 | R 96.3 | R 60.7 | (s) | R 8,819.2 |
| 1986 | 0.0 | 20.6 | 89.7 | 2.7 | (s) | 92.5 | 0.0 | 0.0 | 0.0 | 113.1 | R 95.6 | (s) | R 8,707.9 |
| 1987 | 0.0 | 22.5 | 94.4 | 3.8 | (s) | R 98.2 | 0.0 | 0.0 | 0.0 | R 120.7 | R 109.7 | -0.1 | R 8,948.6 |
| 1988 | 40.2 | 12.8 | 96.1 | 2.9 | (s) | R 99.0 | 0.0 | 0.0 | 0.0 | R 111.8 | R 109.9 | -0.1 | R 9,519.2 |
| 1989 | 105.7 | 15.0 | 109.8 | 2.2 | (s) | R 112.0 | 0.2 | 0.4 | 0.0 | R 127.6 | R -12.7 | -0.2 | R 9,805.6 |
| 1990 | 167.8 | 18.7 | 96.0 | 2.0 | (s) | R 98.0 | 0.2 | 0.4 | 0.0 | R 117.3 | R 27.9 | -0.2 | R 9,930.6 |
| 1991 | 207.6 | 23.2 | 96.4 | 2.0 | (s) | R 98.4 | 0.3 | 0.4 | 0.0 | R 122.3 | R 14.9 | -1.5 | R 9,932.5 |
| 1992 | 256.5 | 27.3 | 105.8 | 2.3 | (s) | R 108.1 | 0.3 | 0.4 | 0.0 | R 136.1 | R -21.4 | -3.3 | R 10,074.2 |
| 1993 | 130.3 | 18.4 | 98.0 | 0.5 | 0.0 | 98.6 | 0.3 | 0.4 | 0.0 | 117.8 | R 9.5 | -2.7 | R 10,170.3 |
| 1994 | 300.4 | 15.8 | 97.5 | 1.3 | 0.0 | 98.8 | 0.3 | 0.5 | 0.0 | 115.4 | R -13.4 | -3.3 | R 10,438.4 |
| 1995 | 379.8 | 17.6 | 99.5 | 4.2 | 0.0 | R 103.7 | 0.4 | 0.5 | 0.0 | R 122.1 | R -25.7 | -3.2 | R 10,633.5 |
| 1996 | 375.7 | 9.9 | 98.8 | 1.6 | 0.0 | R 100.4 | 0.4 | 0.5 | 0.9 | R 112.1 | R 45.1 | -3.5 | R 11,481.2 |
| 1997 | 392.0 | 18.3 | 102.6 | 3.7 | 0.0 | R 106.3 | 0.5 | 0.5 | 0.8 | R 126.4 | R 44.4 | -2.0 | R 11,840.7 |
| 1998 | 405.8 | 14.5 | 93.7 | 5.5 | 0.0 | R 99.1 | 0.5 | 0.6 | 0.8 | R 115.6 | R 39.1 | 2.5 | R 12,024.7 |
| 1999 | 384.1 | 11.5 | 78.4 | 4.7 | 0.0 | R 83.1 | 0.6 | 0.6 | 3.3 | R 99.0 | R 7.5 | 0.6 | R 11,685.9 |
| 2000 | 391.7 | 8.5 | 81.7 | 5.4 | 0.0 | R 87.2 | 0.6 | 0.6 | 5.0 | R 101.8 | R 18.2 | -0.1 | R 12,054.5 |
| 2001 | 398.5 | 12.4 | 70.7 | 5.5 | 0.0 | R 76.2 | 0.6 | 0.6 | 12.3 | R 102.1 | R 64.0 | (s) | R 11,878.8 |
| 2002 | 371.9 | 11.4 | 81.3 | 2.4 | 0.0 | R 83.7 | 0.7 | 0.6 | 27.0 | 123.5 | R 31.5 | -0.7 | R 12,108.4 |
| 2003 | 348.5 | 9.2 | 78.9 | 1.9 | 0.0 | 80.9 | 0.9 | 0.6 | 26.3 | R 117.8 | R 91.4 | -0.7 | R 11,973.3 |
| 2004 | 421.6 | 13.0 | 74.8 | 2.3 | 0.0 | R 77.1 | 1.0 | 0.6 | 31.4 | R 123.2 | R 32.1 | -0.7 | R 12,054.6 |
| 2005 | 399.0 | 13.3 | 80.1 | 1.4 | 0.0 | R 81.5 | 1.2 | 0.6 | 42.4 | 139.0 | R 80.5 | -0.7 | R 11,544.3 |
| 2006 | 430.6 | 6.6 | R 78.1 | 37.6 | 0.0 | R 115.7 | 1.3 | 0.6 | 66.2 | R 190.3 | R 117.9 | -0.7 | R 11,988.1 |
| 2007 | 429.4 | 16.3 | R 84.9 | 53.7 | 0.0 | R 138.6 | 1.5 | R 0.6 | 89.0 | R 245.9 | R 60.7 | -0.8 | R 12,068.2 |
| 2008 | 425.7 | 10.2 | R 99.3 | 63.8 | 10.8 | R 173.9 | 1.7 | R 0.7 | 159.9 | R 346.4 | R 66.6 | -0.2 | R 11,761.5 |
| 2009 | 434.1 | 10.0 | 72.1 | 66.7 | 9.4 | 148.3 | 2.1 | 0.8 | 195.5 | 356.6 | 100.6 | 0.4 | 11,297.4 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 1,067 | 2,313 | 24,381 | 10,842 | 73,297 | 91,841 | 22,542 | 72,395 | 295,299 | 0 | – – | – – | – – | – – | 35,726 | – – | – – | – – |
| 1965 | 1,146 | 2,428 | 24,840 | 15,365 | 109,109 | 107,851 | 14,289 | 99,052 | 370,506 | 0 | – – | – – | – – | – – | 57,237 | – – | – – | – – |
| 1970 | 1,154 | 3,032 | 32,365 | 24,430 | 151,223 | 141,393 | 14,042 | 125,875 | 489,327 | 0 | – – | – – | – – | – – | 95,735 | – – | – – | – – |
| 1975 | 3,721 | 2,591 | 54,631 | 27,308 | 157,246 | 175,538 | 36,797 | 145,889 | 597,409 | 5 | – – | – – | – – | – – | 129,488 | – – | – – | – – |
| 1980 | 3,251 | 2,661 | 71,387 | 30,934 | 189,802 | 180,997 | 64,410 | 251,131 | 788,661 | 0 | – – | – – | – – | – – | 179,430 | – – | – – | – – |
| 1985 | 5,199 | 2,188 | 79,209 | 74,500 | 256,932 | 205,419 | 27,831 | 159,901 | 803,792 | 0 | – – | – – | – – | – – | 213,125 | – – | – – | – – |
| 1990 | 4,167 | 2,594 | 67,188 | 95,903 | 293,043 | 205,402 | 27,209 | 200,482 | 889,227 | 0 | – – | – – | – – | – – | 237,415 | – – | – – | – – |
| 1995 | 4,255 | 2,686 | 87,592 | 83,002 | 370,395 | 213,428 | 22,483 | 204,459 | 981,359 | 0 | – – | – – | – – | – – | 263,279 | – – | – – | – – |
| 2000 | 4,503 | 2,844 | 109,700 | 102,717 | 406,539 | 249,819 | 21,408 | 229,495 | 1,119,678 | 0 | – – | – – | – – | – – | 318,263 | – – | – – | – – |
| 2001 | 4,456 | 2,773 | 116,468 | 112,845 | 391,010 | 256,553 | 16,621 | 214,695 | 1,108,191 | 0 | – – | – – | – – | – – | 318,044 | – – | – – | – – |
| 2002 | 4,112 | 2,778 | 113,665 | 115,598 | 419,078 | 268,490 | 16,907 | 213,823 | 1,147,561 | 0 | – – | – – | – – | – – | 320,846 | – – | – – | – – |
| 2003 | 4,272 | 2,620 | 112,050 | 101,335 | 427,336 | 269,532 | 18,056 | 228,298 | 1,156,607 | 0 | – – | – – | – – | – – | 322,686 | – – | – – | – – |
| 2004 | 4,159 | 2,539 | 120,320 | 88,821 | 446,608 | 275,724 | 21,358 | 244,137 | 1,196,967 | 0 | – – | – – | – – | – – | 320,615 | – – | – – | – – |
| 2005 | 4,094 | 2,060 | 127,557 | 80,382 | 413,487 | 278,350 | 25,997 | 233,553 | 1,159,326 | 0 | – – | – – | – – | – – | 334,258 | – – | – – | – – |
| 2006 | 4,102 | 1,996 | 141,107 | 81,452 | 422,030 | 285,419 | 27,903 | 285,317 | 1,243,228 | 0 | – – | – – | – – | – – | 342,724 | – – | – – | – – |
| 2007 | 1,868 | 2,070 | 144,300 | 75,409 | 433,291 | 290,606 | 32,625 | 274,929 | 1,251,160 | 0 | – – | – – | – – | – – | 343,829 | – – | – – | – – |
| 2008 | 1,817 | 2,128 | 144,757 | 72,516 | 384,468 | 288,139 | 29,561 | 241,363 | 1,160,804 | 0 | – – | – – | – – | – – | 347,059 | – – | – – | – – |
| 2009 | 847 | 1,997 | 132,008 | 61,808 | 418,549 | 289,454 | 24,268 | 213,653 | 1,139,740 | 0 | – – | – – | – – | – – | 345,296 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 25.0 | 2,393.9 | 142.0 | 58.6 | 294.0 | 482.4 | 141.7 | 432.8 | 1,551.6 | 0.0 | 38.3 | NA | NA | NA | 121.9 | 4,130.7 | 301.4 | 4,432.1 |
| 1965 | 29.2 | 2,518.2 | 144.7 | 84.3 | 437.6 | 566.5 | 89.8 | 585.7 | 1,908.7 | 0.0 | 40.3 | NA | NA | NA | 195.3 | 4,691.7 | 466.2 | 5,157.9 |
| 1970 | 30.8 | 3,113.6 | 188.5 | 135.9 | 571.5 | 742.7 | 88.3 | 741.2 | 2,468.1 | 0.0 | 51.2 | NA | NA | NA | 326.6 | 5,990.3 | 790.2 | 6,780.5 |
| 1975 | 77.7 | 2,667.9 | 318.2 | 152.7 | 584.2 | 922.1 | 231.3 | 854.5 | 3,063.0 | 0.1 | 54.9 | NA | NA | NA | 441.8 | 6,305.4 | 1,059.8 | 7,365.1 |
| 1980 | 63.4 | 2,743.2 | 415.8 | 173.3 | 697.3 | 950.8 | 404.9 | 1,439.3 | 4,081.5 | 0.0 | 54.8 | NA | NA | NA | 612.2 | 7,555.0 | 1,470.7 | 9,025.8 |
| 1985 | 85.6 | 2,273.7 | 461.4 | 420.5 | 925.7 | 1,079.1 | 175.0 | 927.0 | 3,988.7 | 0.0 | 75.7 | (s) | NA | NA | 727.2 | 7,153.7 | 1,665.5 | 8,819.2 |
| 1990 | 61.8 | 2,703.8 | 391.4 | 542.1 | 1,062.3 | 1,079.0 | 171.1 | 1,155.9 | 4,401.7 | 0.0 | 92.7 | (s) | 0.2 | 0.4 | 810.1 | 8,071.9 | 1,858.7 | 9,930.6 |
| 1995 | 63.7 | 2,799.9 | 510.2 | 470.5 | 1,341.9 | 1,113.0 | 141.3 | 1,166.9 | 4,744.0 | 0.0 | 99.1 | 0.0 | 0.4 | 0.5 | 898.3 | 8,605.8 | 2,027.8 | 10,633.5 |
| 2000 | 73.3 | 2,939.4 | 639.0 | 582.4 | 1,466.4 | 1,301.6 | 134.6 | 1,294.0 | 5,417.9 | 0.0 | 80.8 | 0.0 | 0.6 | 0.6 | 1,085.9 | 9,598.5 | 2,456.0 | 12,054.5 |
| 2001 | 75.9 | 2,838.3 | 678.4 | 639.8 | 1,413.1 | 1,336.6 | 104.5 | 1,232.6 | 5,405.1 | 0.0 | 69.8 | 0.0 | 0.6 | 0.6 | 1,085.2 | 9,474.5 | 2,404.3 | 11,878.8 |
| 2002 | 72.8 | 2,869.8 | 662.1 | 655.4 | 1,514.1 | 1,398.3 | 106.3 | 1,228.4 | 5,564.6 | 0.0 | 79.2 | 0.0 | 0.7 | 0.6 | 1,094.7 | 9,682.5 | 2,425.9 | 12,108.4 |
| 2003 | 75.2 | 2,696.4 | 652.7 | 574.6 | 1,550.8 | 1,403.5 | 113.5 | 1,313.4 | 5,608.4 | 0.0 | 75.5 | 0.0 | 0.9 | 0.6 | 1,101.0 | 9,558.0 | 2,415.3 | 11,973.3 |
| 2004 | 71.2 | 2,617.0 | 700.9 | 503.6 | 1,615.8 | 1,437.9 | 134.3 | 1,400.3 | 5,792.8 | 0.0 | 71.9 | 0.0 | 1.0 | 0.6 | 1,093.9 | 9,648.5 | 2,406.1 | 12,054.6 |
| 2005 | 70.4 | 2,117.7 | 743.0 | 455.8 | 1,496.8 | 1,452.4 | 163.4 | 1,345.0 | 5,656.5 | 0.0 | 77.4 | 0.0 | 1.2 | 0.6 | 1,140.5 | 9,064.2 | 2,480.0 | 11,544.3 |
| 2006 | 70.9 | 2,048.3 | 821.9 | 461.8 | 1,521.4 | 1,489.3 | 175.4 | 1,638.4 | 6,108.4 | 0.0 | 75.4 | 0.0 | 1.3 | 0.6 | 1,169.4 | 9,474.2 | 2,513.9 | 11,988.1 |
| 2007 | 40.4 | 2,134.5 | 840.5 | 427.6 | 1,555.9 | 1,516.7 | 205.1 | 1,575.2 | 6,121.0 | 0.0 | 80.7 | 0.0 | 1.5 | 0.6 | 1,173.1 | 9,551.8 | 2,516.3 | 12,068.2 |
| 2008 | 39.3 | 2,184.6 | 843.2 | 411.2 | 1,384.1 | 1,503.5 | 185.8 | 1,383.5 | 5,711.3 | 0.0 | 94.4 | 10.8 | 1.7 | 0.7 | 1,184.2 | 9,227.0 | 2,534.5 | 11,761.5 |
| 2009 | 17.4 | 2,046.4 | 768.9 | 350.5 | 1,489.2 | 1,510.4 | 152.6 | 1,224.7 | 5,496.3 | 0.0 | 67.7 | 9.4 | 2.1 | 0.8 | 1,178.1 | 8,818.2 | 2,479.2 | 11,297.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 10 | 172 | 96 | 6 | 9,098 | 9,201 | 705 | – – | – – | 11,316 | – – | – – | – – |
| 1965 | 3 | 183 | 71 | 7 | 11,778 | 11,856 | 469 | – – | – – | 18,745 | – – | – – | – – |
| 1970 | 1 | 232 | 134 | 33 | 13,894 | 14,062 | 322 | – – | – – | 32,591 | – – | – – | – – |
| 1975 | 0 | 232 | 270 | 39 | 10,304 | 10,613 | 378 | – – | – – | 40,892 | – – | – – | – – |
| 1980 | (s) | 225 | 8 | 198 | 5,533 | 5,739 | 647 | – – | – – | 57,178 | – – | – – | – – |
| 1985 | 2 | 213 | 27 | 112 | 6,553 | 6,693 | 1,319 | – – | – – | 71,740 | – – | – – | – – |
| 1990 | 2 | 211 | 2 | 26 | 5,534 | 5,562 | 1,107 | – – | – – | 82,548 | – – | – – | – – |
| 1995 | 0 | 206 | 6 | 22 | 2,995 | 3,023 | 688 | – – | – – | 92,831 | – – | – – | – – |
| 1996 | 0 | 229 | (s) | 38 | 2,086 | 2,125 | 715 | – – | – – | 99,656 | – – | – – | – – |
| 1997 | (s) | 235 | (s) | 45 | 3,161 | 3,206 | 543 | – – | – – | 101,094 | – – | – – | – – |
| 1998 | 2 | 199 | (s) | 31 | 4,108 | 4,139 | 483 | – – | – – | 110,434 | – – | – – | – – |
| 1999 | 1 | 176 | 2 | 31 | 8,204 | 8,237 | 508 | – – | – – | 108,591 | – – | – – | – – |
| 2000 | 1 | 194 | 3 | 30 | 9,705 | 9,738 | 546 | – – | – – | 116,895 | – – | – – | – – |
| 2001 | 2 | 208 | 1 | 58 | 11,024 | 11,083 | 588 | – – | – – | 117,343 | – – | – – | – – |
| 2002 | 8 | 210 | 4 | 17 | 9,874 | 9,896 | 597 | – – | – – | 121,435 | – – | – – | – – |
| 2003 | 18 | 207 | (s) | 18 | 8,483 | 8,501 | 628 | – – | – – | 121,355 | – – | – – | – – |
| 2004 | 1 | 192 | 145 | 12 | 6,691 | 6,847 | 644 | – – | – – | 120,330 | – – | – – | – – |
| 2005 | 1 | 185 | 5 | 15 | 7,959 | 7,979 | 915 | – – | – – | 126,562 | – – | – – | – – |
| 2006 | (s) | 166 | (s) | 7 | 6,055 | 6,062 | 833 | – – | – – | 126,843 | – – | – – | – – |
| 2007 | (s) | 200 | (s) | 9 | 6,613 | 6,622 | 918 | – – | – – | 124,921 | – – | – – | – – |
| 2008 | 1 | 193 | (s) | 5 | 6,263 | 6,269 | 961 | – – | – – | 127,712 | – – | – – | – – |
| 2009 | 1 | 192 | 2 | 3 | 5,359 | 5,364 | 918 | – – | – – | 129,797 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.2 | 177.7 | 0.6 | (s) | 36.5 | 37.1 | 14.1 | NA | NA | 38.6 | 267.6 | 95.5 | 363.1 |
| 1965 | 0.1 | 189.3 | 0.4 | (s) | 47.2 | 47.7 | 9.4 | NA | NA | 64.0 | 310.4 | 152.7 | 463.1 |
| 1970 | (s) | 238.5 | 0.8 | 0.2 | 52.5 | 53.5 | 6.4 | NA | NA | 111.2 | 409.6 | R 269.0 | R 678.6 |
| 1975 | 0.0 | 239.2 | 1.6 | 0.2 | 38.3 | 40.1 | 7.6 | NA | NA | 139.5 | 426.4 | R 334.7 | R 761.0 |
| 1980 | (s) | 231.7 | (s) | 1.1 | 20.3 | 21.5 | 12.9 | NA | NA | 195.1 | 461.3 | R 468.7 | R 929.9 |
| 1985 | (s) | 221.0 | 0.2 | 0.6 | 23.6 | 24.4 | 26.4 | NA | NA | 244.8 | 516.6 | R 560.6 | R 1,077.2 |
| 1990 | 0.1 | 219.5 | (s) | 0.1 | 20.1 | 20.2 | 22.1 | 0.2 | 0.4 | 281.7 | 544.1 | R 646.3 | R 1,190.4 |
| 1995 | 0.0 | 215.2 | (s) | 0.1 | 10.9 | 11.0 | 13.8 | 0.2 | 0.5 | 316.7 | 557.4 | R 715.0 | R 1,272.4 |
| 1996 | 0.0 | 237.7 | (s) | 0.2 | 7.5 | 7.8 | 14.3 | 0.3 | 0.5 | 340.0 | 600.6 | R 768.4 | R 1,369.0 |
| 1997 | (s) | 242.1 | (s) | 0.3 | 11.4 | 11.7 | 10.9 | 0.3 | 0.5 | 344.9 | 610.3 | R 776.5 | R 1,386.8 |
| 1998 | (s) | 209.4 | (s) | 0.2 | 14.8 | 15.0 | 9.7 | 0.3 | 0.6 | 376.8 | 611.7 | R 849.2 | R 1,460.9 |
| 1999 | (s) | 182.5 | (s) | 0.2 | 29.7 | 29.9 | 10.2 | 0.3 | 0.6 | 370.5 | 594.0 | R 842.3 | R 1,436.3 |
| 2000 | (s) | 200.0 | (s) | 0.2 | 35.0 | 35.2 | 10.9 | 0.3 | 0.6 | 398.8 | 645.9 | R 902.1 | R 1,548.0 |
| 2001 | (s) | 213.4 | (s) | 0.3 | 39.8 | 40.2 | 11.8 | 0.4 | 0.6 | 400.4 | 666.6 | R 887.1 | R 1,553.7 |
| 2002 | 0.1 | 216.9 | (s) | 0.1 | 35.7 | 35.8 | 11.9 | 0.4 | 0.6 | 414.3 | 680.1 | R 918.2 | R 1,598.3 |
| 2003 | 0.4 | 212.7 | (s) | 0.1 | 30.8 | 30.9 | 12.6 | 0.5 | 0.6 | 414.1 | 671.7 | R 908.3 | R 1,580.0 |
| 2004 | (s) | 197.4 | 0.8 | 0.1 | 24.2 | 25.1 | 12.9 | 0.6 | 0.6 | 410.6 | 647.2 | R 903.0 | R 1,550.2 |
| 2005 | (s) | 190.3 | (s) | 0.1 | 28.8 | 28.9 | 18.3 | 0.7 | 0.6 | 431.8 | 670.6 | R 939.0 | R 1,609.6 |
| 2006 | (s) | 170.6 | (s) | (s) | 21.8 | 21.9 | 16.7 | 0.8 | 0.6 | 432.8 | R 643.2 | R 930.4 | R 1,573.6 |
| 2007 | (s) | 206.1 | (s) | 0.1 | 23.7 | 23.8 | 18.4 | 0.9 | R 0.6 | 426.2 | R 676.0 | R 914.2 | R 1,590.3 |
| 2008 | (s) | R 197.9 | (s) | (s) | 22.5 | 22.6 | 19.2 | 1.1 | R 0.7 | 435.8 | 677.3 | R 932.7 | R 1,609.9 |
| 2009 | (s) | 197.0 | (s) | (s) | 19.1 | 19.1 | 18.4 | 1.4 | 0.8 | 442.9 | 679.5 | 931.9 | 1,611.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 7 | 60 | 595 | 656 | 2,764 | 663 | 191 | 4,868 | NA | – – | – – | 9,801 | – – | – – | – – |
| 1965 | 3 | 81 | 440 | 788 | 3,578 | 711 | 64 | 5,581 | NA | – – | – – | 14,804 | – – | – – | – – |
| 1970 | 1 | 146 | 830 | 3,603 | 4,221 | 692 | 78 | 9,423 | NA | – – | – – | 22,869 | – – | – – | – – |
| 1975 | 0 | 117 | 1,669 | 4,192 | 3,130 | 687 | 677 | 10,355 | NA | – – | – – | 33,884 | – – | – – | – – |
| 1980 | 1 | 169 | 2,842 | 3,251 | 1,681 | 3,299 | 2,569 | 13,642 | NA | – – | – – | 44,062 | – – | – – | – – |
| 1985 | 5 | 152 | 6,778 | 250 | 1,991 | 1,954 | 252 | 11,225 | NA | – – | – – | 60,150 | – – | – – | – – |
| 1990 | 8 | 172 | 2,225 | 25 | 1,681 | 2,294 | 71 | 6,295 | 0 | – – | – – | 70,781 | – – | – – | – – |
| 1995 | 0 | 210 | 2,669 | 46 | 910 | 164 | (s) | 3,789 | 0 | – – | – – | 80,354 | – – | – – | – – |
| 1996 | 0 | 179 | 2,680 | 38 | 634 | 163 | 0 | 3,514 | 0 | – – | – – | 83,477 | – – | – – | – – |
| 1997 | (s) | 216 | 2,411 | 38 | 960 | 163 | 0 | 3,572 | 0 | – – | – – | 85,162 | – – | – – | – – |
| 1998 | 13 | 170 | 3,072 | 52 | 1,248 | 163 | 0 | 4,536 | 0 | – – | – – | 91,548 | – – | – – | – – |
| 1999 | 7 | 172 | 2,871 | 57 | 2,492 | 165 | 0 | 5,584 | 0 | – – | – – | 93,492 | – – | – – | – – |
| 2000 | 11 | 190 | 5,657 | 48 | 2,948 | 167 | 0 | 8,821 | 0 | – – | – – | 99,748 | – – | – – | – – |
| 2001 | 15 | 172 | 3,627 | 84 | 3,349 | 176 | 11 | 7,247 | 0 | – – | – – | 102,459 | – – | – – | – – |
| 2002 | 58 | 226 | 2,316 | 58 | 3,000 | 178 | 23 | 5,574 | 0 | – – | – – | 97,115 | – – | – – | – – |
| 2003 | 122 | 219 | 2,626 | 35 | 3,431 | 177 | 0 | 6,269 | 0 | – – | – – | 96,694 | – – | – – | – – |
| 2004 | 10 | 193 | 1,796 | 34 | 1,954 | 178 | 0 | 3,962 | 0 | – – | – – | 99,616 | – – | – – | – – |
| 2005 | 11 | 160 | 2,717 | 44 | 2,625 | 180 | 0 | 5,565 | 0 | – – | – – | 110,784 | – – | – – | – – |
| 2006 | (s) | 147 | 2,420 | 74 | 2,308 | 187 | 0 | 4,988 | 0 | – – | – – | 111,130 | – – | – – | – – |
| 2007 | (s) | 161 | 2,441 | 43 | 694 | 372 | 14 | 3,564 | 0 | – – | – – | 110,540 | – – | – – | – – |
| 2008 | 10 | 167 | R 2,241 | 31 | 2,258 | 361 | 8 | R 4,899 | 0 | – – | – – | 113,473 | – – | – – | – – |
| 2009 | 12 | 167 | 3,478 | 34 | 1,777 | 311 | 4 | 5,604 | 0 | – – | – – | 118,497 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.1 | 61.8 | 3.5 | 3.7 | 11.1 | 3.5 | 1.2 | 23.0 | NA | 0.3 | NA | 33.4 | 118.6 | 82.7 | 201.3 |
| 1965 | (s) | 83.6 | 2.6 | 4.5 | 14.4 | 3.7 | 0.4 | 25.5 | NA | 0.2 | NA | 50.5 | 159.8 | 120.6 | R 280.4 |
| 1970 | (s) | 150.0 | 4.8 | 20.4 | 16.0 | 3.6 | 0.5 | 45.3 | NA | 0.1 | NA | 78.0 | 273.5 | R 188.8 | R 462.3 |
| 1975 | 0.0 | 120.2 | 9.7 | 23.8 | 11.6 | 3.6 | 4.3 | 53.0 | NA | 0.1 | NA | 115.6 | 289.0 | R 277.3 | R 566.3 |
| 1980 | (s) | 173.7 | 16.6 | 18.4 | 6.2 | 17.3 | 16.2 | 74.6 | NA | 0.3 | NA | 150.3 | 399.0 | R 361.2 | R 760.2 |
| 1985 | 0.1 | 157.7 | 39.5 | 1.4 | 7.2 | 10.3 | 1.6 | 59.9 | NA | 0.6 | NA | 205.2 | 423.6 | R 470.1 | R 893.7 |
| 1990 | 0.2 | 179.6 | 13.0 | 0.1 | 6.1 | 12.0 | 0.4 | 31.7 | 0.0 | 2.5 | (s) | 241.5 | 455.5 | R 554.1 | R 1,009.6 |
| 1995 | 0.0 | 218.5 | 15.5 | 0.3 | 3.3 | 0.9 | (s) | 20.0 | 0.0 | 1.9 | 0.1 | 274.2 | 514.6 | R 618.9 | R 1,133.5 |
| 1996 | 0.0 | 185.1 | 15.6 | 0.2 | 2.3 | 0.9 | 0.0 | 19.0 | 0.0 | 2.1 | 0.2 | 284.8 | 491.1 | R 643.7 | R 1,134.8 |
| 1997 | (s) | 222.8 | 14.0 | 0.2 | 3.5 | 0.8 | 0.0 | 18.6 | 0.0 | 1.9 | 0.2 | 290.6 | 534.1 | R 654.1 | R 1,188.2 |
| 1998 | 0.3 | 178.0 | 17.9 | 0.3 | 4.5 | 0.9 | 0.0 | 23.6 | 0.0 | 1.7 | 0.2 | 312.4 | 516.2 | R 703.9 | R 1,220.2 |
| 1999 | 0.1 | 178.2 | 16.7 | 0.3 | 9.0 | 0.9 | 0.0 | 26.9 | 0.0 | 1.8 | 0.2 | 319.0 | 526.2 | R 725.2 | R 1,251.4 |
| 2000 | 0.2 | 196.8 | 33.0 | 0.3 | 10.6 | 0.9 | 0.0 | 44.7 | 0.0 | 1.9 | 0.2 | 340.3 | 584.2 | R 769.8 | R 1,354.0 |
| 2001 | 0.4 | 175.9 | 21.1 | 0.5 | 12.1 | 0.9 | 0.1 | 34.7 | 0.0 | 2.2 | 0.3 | 349.6 | 562.9 | R 774.6 | R 1,337.5 |
| 2002 | 1.1 | 233.8 | 13.5 | 0.3 | 10.8 | 0.9 | 0.1 | 25.7 | 0.0 | 2.3 | 0.3 | 331.4 | 594.5 | R 734.3 | R 1,328.8 |
| 2003 | 2.4 | 224.9 | 15.3 | 0.2 | 12.5 | 0.9 | 0.0 | 28.9 | 0.0 | 2.8 | 0.4 | 329.9 | 589.2 | R 723.8 | R 1,313.0 |
| 2004 | 0.3 | 198.9 | 10.5 | 0.2 | 7.1 | 0.9 | 0.0 | 18.7 | 0.0 | 2.5 | 0.4 | 339.9 | 560.6 | R 747.6 | R 1,308.2 |
| 2005 | 0.3 | 164.4 | 15.8 | 0.2 | 9.5 | 0.9 | 0.0 | 26.5 | 0.0 | 3.3 | 0.5 | 378.0 | 573.0 | R 822.0 | R 1,395.0 |
| 2006 | (s) | 151.2 | 14.1 | 0.4 | 8.3 | 1.0 | 0.0 | 23.8 | 0.0 | 3.2 | 0.5 | 379.2 | 557.9 | R 815.1 | R 1,373.1 |
| 2007 | (s) | 166.3 | 14.2 | 0.2 | 2.5 | 1.9 | 0.1 | 19.0 | 0.0 | 3.4 | 0.6 | 377.2 | 566.4 | R 809.0 | R 1,375.4 |
| 2008 | 0.3 | R 171.6 | R 13.1 | 0.2 | 8.1 | 1.9 | (s) | R 23.3 | 0.0 | 3.5 | 0.6 | 387.2 | R 586.5 | R 828.7 | R 1,415.1 |
| 2009 | 0.3 | 171.5 | 20.3 | 0.2 | 6.3 | 1.6 | (s) | 28.4 | 0.0 | 3.5 | 0.7 | 404.3 | 608.8 | 850.8 | 1,459.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 1,031 | 2,029 | 10,118 | 59,411 | 3,798 | 4,615 | 66,692 | 144,635 | 0 | – – | – – | – – | 14,602 | – – | – – | – – |
| 1965 | 1,136 | 2,098 | 8,519 | 89,166 | 2,563 | 1,879 | 92,985 | 195,111 | 0 | – – | – – | – – | 23,685 | – – | – – | – – |
| 1970 | 1,150 | 2,557 | 8,947 | 127,521 | 1,410 | 2,297 | 118,609 | 258,783 | 0 | – – | – – | – – | 40,274 | – – | – – | – – |
| 1975 | 3,720 | 2,160 | 15,301 | 138,844 | 997 | 11,070 | 138,608 | 304,819 | 5 | – – | – – | – – | 54,712 | – – | – – | – – |
| 1980 | 3,250 | 2,163 | 20,250 | 181,940 | 470 | 16,029 | 244,509 | 463,198 | 0 | – – | – – | – – | 78,190 | – – | – – | – – |
| 1985 | 5,192 | 1,732 | 19,330 | 247,779 | 4,704 | 5,969 | 156,484 | 434,265 | 0 | – – | – – | – – | 81,235 | – – | – – | – – |
| 1990 | 4,157 | 2,105 | 17,592 | 285,349 | 4,336 | 1,273 | 197,638 | 506,188 | 0 | – – | – – | – – | 84,087 | – – | – – | – – |
| 1995 | 4,255 | 2,188 | 19,960 | 366,168 | 3,944 | 2,459 | 201,881 | 594,412 | 0 | – – | – – | – – | 90,093 | – – | – – | – – |
| 1996 | 4,808 | 2,442 | 23,185 | 392,068 | 4,040 | 2,092 | 229,850 | 651,234 | 0 | – – | – – | – – | 95,308 | – – | – – | – – |
| 1997 | 4,766 | 2,351 | 21,893 | 444,688 | 4,236 | 1,847 | 245,171 | 717,835 | 0 | – – | – – | – – | 100,429 | – – | – – | – – |
| 1998 | 4,422 | 2,329 | 23,835 | 441,020 | 4,961 | 856 | 233,021 | 703,693 | 0 | – – | – – | – – | 102,702 | – – | – – | – – |
| 1999 | 4,397 | 2,146 | 21,472 | 434,130 | 2,501 | 635 | 230,912 | 689,650 | 0 | – – | – – | – – | 99,741 | – – | – – | – – |
| 2000 | 4,490 | 2,397 | 21,192 | 393,652 | 2,576 | 401 | 226,815 | 644,637 | 0 | – – | – – | – – | 101,588 | – – | – – | – – |
| 2001 | 4,439 | 2,321 | 20,895 | 376,051 | 4,632 | 519 | 212,260 | 614,357 | 0 | – – | – – | – – | 98,208 | – – | – – | – – |
| 2002 | 4,047 | 2,251 | 19,710 | 405,724 | 5,005 | 796 | 211,411 | 642,646 | 0 | – – | – – | – – | 102,251 | – – | – – | – – |
| 2003 | 4,132 | 2,137 | 19,010 | 414,937 | 5,244 | 1,408 | 226,066 | 666,665 | 0 | – – | – – | – – | 104,547 | – – | – – | – – |
| 2004 | 4,148 | 2,096 | 16,873 | 437,390 | 6,023 | 1,077 | 241,917 | 703,280 | 0 | – – | – – | – – | 100,588 | – – | – – | – – |
| 2005 | 4,082 | 1,632 | 20,031 | 402,436 | 5,766 | 3,537 | 231,302 | 663,072 | 0 | – – | – – | – – | 96,841 | – – | – – | – – |
| 2006 | 4,102 | 1,595 | 20,274 | 413,147 | 6,096 | 3,923 | R 283,104 | R 726,544 | 0 | – – | – – | – – | 104,689 | – – | – – | – – |
| 2007 | 1,868 | 1,617 | 22,582 | 425,622 | 4,580 | 3,121 | R 272,693 | R 728,598 | 0 | – – | – – | – – | 108,300 | – – | – – | – – |
| 2008 | 1,806 | R 1,657 | R 24,698 | R 375,284 | 3,867 | 3,725 | R 239,339 | R 646,914 | 0 | – – | – – | – – | 105,806 | – – | – – | – – |
| 2009 | 833 | 1,542 | 20,083 | 410,911 | 3,812 | 1,634 | 211,857 | 648,298 | 0 | – – | – – | – – | 96,931 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 24.4 | 2,100.3 | 58.9 | 238.3 | 19.9 | 29.0 | 401.8 | 748.0 | 0.0 | 23.9 | NA | NA | 49.8 | 2,946.5 | 123.2 | 3,069.7 |
| 1965 | 29.0 | 2,175.3 | 49.6 | 357.6 | 13.5 | 11.8 | 552.7 | 985.2 | 0.0 | 30.7 | NA | NA | 80.8 | 3,301.1 | R 192.9 | R 3,494.0 |
| 1970 | 30.7 | 2,626.3 | 52.1 | 481.9 | 7.4 | 14.4 | 700.6 | 1,256.5 | 0.0 | 44.6 | NA | NA | 137.4 | 4,095.5 | R 332.4 | R 4,427.9 |
| 1975 | 77.7 | 2,224.0 | 89.1 | 515.8 | 5.2 | 69.6 | 813.4 | 1,493.1 | 0.1 | 47.2 | NA | NA | 186.7 | 4,028.6 | R 447.8 | R 4,476.4 |
| 1980 | 63.3 | 2,229.7 | 118.0 | 668.4 | 2.5 | 100.8 | 1,401.8 | 2,291.4 | 0.0 | 41.6 | NA | NA | 266.8 | 4,892.8 | R 640.9 | R 5,533.7 |
| 1985 | 85.4 | 1,799.3 | 112.6 | 892.7 | 24.7 | 37.5 | 907.8 | 1,975.4 | 0.0 | 48.7 | (s) | NA | 277.2 | 4,186.1 | R 634.8 | R 4,820.9 |
| 1990 | 61.5 | 2,194.1 | 102.5 | 1,034.4 | 22.8 | 8.0 | 1,139.5 | 2,307.2 | 0.0 | 68.1 | (s) | 0.0 | 286.9 | 4,917.2 | R 658.3 | R 5,575.5 |
| 1995 | 63.7 | 2,280.6 | 116.3 | 1,326.6 | 20.6 | 15.5 | 1,152.0 | 2,630.9 | 0.0 | 83.4 | 0.0 | 0.0 | 307.4 | 5,366.0 | R 693.9 | R 6,059.9 |
| 1996 | 73.8 | 2,531.9 | 135.1 | 1,416.5 | 21.1 | 13.2 | 1,303.7 | 2,889.5 | 0.0 | 81.9 | 0.0 | 0.0 | 325.2 | 5,902.3 | R 734.9 | R 6,637.2 |
| 1997 | 74.1 | 2,421.8 | 127.5 | 1,608.0 | 22.1 | 11.6 | 1,392.7 | 3,161.9 | 0.0 | 89.1 | 0.0 | 0.0 | 342.7 | 6,089.6 | R 771.4 | R 6,861.0 |
| 1998 | 62.9 | 2,445.0 | 138.8 | 1,593.8 | 25.9 | 5.4 | 1,323.5 | 3,087.4 | 0.0 | 81.6 | 0.0 | 0.0 | 350.4 | 6,027.4 | R 789.7 | R 6,817.1 |
| 1999 | 62.6 | 2,227.0 | 125.1 | 1,569.8 | 13.0 | 4.0 | 1,304.8 | 3,016.7 | 0.0 | 65.7 | 0.0 | 0.0 | 340.3 | 5,712.2 | R 773.7 | R 6,485.9 |
| 2000 | 73.1 | 2,477.4 | 123.4 | 1,419.9 | 13.4 | 2.5 | 1,278.4 | 2,837.7 | 0.0 | 68.0 | 0.0 | 0.0 | 346.6 | 5,802.7 | R 784.0 | R 6,586.7 |
| 2001 | 75.5 | 2,376.0 | 121.7 | 1,359.0 | 24.1 | 3.3 | 1,218.4 | 2,726.5 | 0.0 | 55.9 | 0.0 | 0.0 | 335.1 | 5,568.1 | R 742.4 | R 6,310.5 |
| 2002 | 71.6 | 2,325.3 | 114.8 | 1,465.9 | 26.1 | 5.0 | 1,214.3 | 2,826.1 | 0.0 | 65.0 | 0.0 | 0.0 | 348.9 | 5,636.9 | R 773.1 | R 6,410.0 |
| 2003 | 72.5 | 2,198.7 | 110.7 | 1,505.8 | 27.3 | 8.9 | 1,300.4 | 2,953.1 | 0.0 | 60.1 | 0.0 | 0.0 | 356.7 | 5,641.2 | R 782.5 | R 6,423.7 |
| 2004 | 70.9 | 2,160.8 | 98.3 | 1,582.5 | 31.4 | 6.8 | 1,387.4 | 3,106.3 | 0.0 | 56.5 | 0.0 | 0.0 | 343.2 | 5,737.8 | R 754.9 | R 6,492.7 |
| 2005 | 70.1 | 1,677.6 | 116.7 | 1,456.8 | 30.1 | 22.2 | 1,331.9 | 2,957.7 | 0.0 | 55.8 | 0.0 | 0.0 | 330.4 | 5,091.6 | R 718.5 | R 5,810.1 |
| 2006 | 70.9 | R 1,637.0 | 118.1 | 1,489.4 | 31.8 | 24.7 | R 1,625.5 | R 3,289.5 | 0.0 | R 55.6 | 0.0 | 0.0 | 357.2 | R 5,410.2 | R 767.9 | R 6,178.1 |
| 2007 | 40.4 | 1,667.7 | 131.5 | 1,528.4 | 23.9 | 19.6 | R 1,562.1 | R 3,265.6 | 0.0 | R 58.9 | 0.0 | 0.0 | 369.5 | R 5,402.2 | R 792.6 | R 6,194.8 |
| 2008 | 39.0 | R 1,700.7 | R 143.9 | R 1,351.0 | 20.2 | 23.4 | R 1,371.7 | R 2,910.2 | 0.0 | R 71.7 | 10.8 | 0.0 | 361.0 | R 5,093.3 | R 772.7 | R 5,866.0 |
| 2009 | 17.1 | 1,579.8 | 117.0 | 1,462.0 | 19.9 | 10.3 | 1,214.2 | 2,823.4 | 0.0 | 45.8 | 9.4 | 0.0 | 330.7 | 4,806.2 | 696.0 | 5,502.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 18 | 52 | 3,261 | 13,571 | 10,842 | 2,024 | 1,780 | 87,381 | 17,736 | 136,595 | 8 | – – | – – | – – |
| 1965 | 4 | 68 | 3,457 | 15,810 | 15,365 | 4,588 | 1,814 | 104,577 | 12,346 | 157,957 | 4 | – – | – – | – – |
| 1970 | 2 | 96 | 2,007 | 22,454 | 24,430 | 5,587 | 1,623 | 139,292 | 11,667 | 207,059 | 0 | – – | – – | – – |
| 1975 | 1 | 82 | 1,312 | 37,391 | 27,308 | 4,969 | 1,738 | 173,854 | 25,049 | 271,622 | 0 | – – | – – | – – |
| 1980 | 0 | 105 | 1,264 | 48,286 | 30,934 | 649 | 1,909 | 177,228 | 45,812 | 306,082 | 0 | – – | – – | – – |
| 1985 | 0 | 92 | 1,317 | 53,074 | 74,500 | 609 | 1,738 | 198,761 | 21,610 | 351,609 | 0 | – – | – – | – – |
| 1990 | 0 | 106 | 838 | 47,369 | 95,903 | 479 | 1,955 | 198,773 | 25,865 | 371,182 | 0 | – – | – – | – – |
| 1995 | 0 | 82 | 645 | 64,957 | 83,002 | 322 | 1,865 | 209,319 | 20,024 | 380,135 | 0 | – – | – – | – – |
| 1996 | 0 | 76 | 625 | 70,191 | 99,870 | 274 | 1,810 | 222,177 | 17,866 | 412,812 | 8 | – – | – – | – – |
| 1997 | 0 | 82 | 658 | 73,424 | 105,655 | 246 | 1,912 | 220,599 | 20,220 | 422,714 | 19 | – – | – – | – – |
| 1998 | 0 | 67 | 555 | 79,063 | 108,635 | 735 | 2,002 | 231,655 | 24,640 | 447,285 | 21 | – – | – – | – – |
| 1999 | 0 | 71 | 796 | 79,575 | 104,896 | 365 | 2,023 | 240,326 | 17,471 | 445,453 | 19 | – – | – – | – – |
| 2000 | 0 | 63 | 609 | 82,848 | 102,717 | 234 | 1,992 | 247,076 | 21,007 | 456,482 | 30 | – – | – – | – – |
| 2001 | 0 | 71 | 468 | 91,945 | 112,845 | 586 | 1,826 | 251,744 | 16,090 | 475,504 | 34 | – – | – – | – – |
| 2002 | 0 | 91 | 533 | 91,635 | 115,598 | 480 | 1,804 | 263,306 | 16,088 | 489,445 | 44 | – – | – – | – – |
| 2003 | 0 | 58 | 511 | 90,414 | 101,335 | 485 | 1,668 | 264,111 | 16,648 | 475,172 | 90 | – – | – – | – – |
| 2004 | 0 | 58 | 484 | 101,506 | 88,821 | 573 | 1,690 | 269,523 | 20,281 | 482,877 | 81 | – – | – – | – – |
| 2005 | 0 | 83 | 511 | 104,804 | 80,382 | 468 | 1,681 | 272,404 | 22,460 | 482,710 | 71 | – – | – – | – – |
| 2006 | 0 | 87 | 494 | 118,413 | 81,452 | 520 | 1,638 | 279,135 | 23,981 | 505,633 | 62 | – – | – – | – – |
| 2007 | 0 | 92 | 492 | 119,276 | 75,409 | 362 | 1,691 | 285,654 | 29,491 | 512,375 | 67 | – – | – – | – – |
| 2008 | 0 | R 111 | 418 | R 117,817 | 72,516 | R 662 | 1,570 | 283,911 | 25,828 | R 502,723 | 69 | – – | – – | – – |
| 2009 | 0 | 96 | 347 | 108,445 | 61,808 | 502 | 1,411 | 285,330 | 22,630 | 480,474 | 71 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.3 | 54.1 | 16.5 | 79.1 | 58.6 | 8.1 | 10.8 | 459.0 | 111.5 | 743.5 | (s) | 797.9 | 0.1 | 798.0 |
| 1965 | 0.1 | 70.0 | 17.5 | 92.1 | 84.3 | 18.4 | 11.0 | 549.3 | 77.6 | 850.3 | (s) | 920.4 | (s) | 920.4 |
| 1970 | (s) | 98.8 | 10.1 | 130.8 | 135.9 | 21.1 | 9.8 | 731.7 | 73.3 | 1,112.9 | 0.0 | 1,211.7 | 0.0 | 1,211.7 |
| 1975 | (s) | 84.6 | 6.6 | 217.8 | 152.7 | 18.5 | 10.5 | 913.3 | 157.5 | 1,476.8 | 0.0 | 1,561.4 | 0.0 | 1,561.4 |
| 1980 | 0.0 | 108.1 | 6.4 | 281.3 | 173.3 | 2.4 | 11.6 | 931.0 | 288.0 | 1,693.9 | 0.0 | 1,801.9 | 0.0 | 1,801.9 |
| 1985 | 0.0 | 95.6 | 6.6 | 309.2 | 420.5 | 2.2 | 10.5 | 1,044.1 | 135.9 | 1,929.0 | 0.0 | R 2,027.4 | 0.0 | R 2,027.4 |
| 1990 | 0.0 | 110.5 | 4.2 | 275.9 | 542.1 | 1.7 | 11.9 | 1,044.2 | 162.6 | 2,042.7 | 0.0 | R 2,155.1 | 0.0 | R 2,155.1 |
| 1995 | 0.0 | 85.7 | 3.3 | 378.4 | 470.5 | 1.2 | 11.3 | 1,091.6 | 125.9 | 2,082.1 | 0.0 | 2,167.8 | 0.0 | 2,167.8 |
| 1996 | 0.0 | 78.8 | 3.2 | 408.9 | 566.2 | 1.0 | 11.0 | 1,158.9 | 112.3 | 2,261.4 | (s) | 2,340.2 | 0.1 | 2,340.3 |
| 1997 | 0.0 | 84.8 | 3.3 | 427.7 | 599.0 | 0.9 | 11.6 | 1,150.0 | 127.1 | 2,319.7 | 0.1 | 2,404.6 | 0.1 | 2,404.7 |
| 1998 | 0.0 | 69.9 | 2.8 | 460.5 | 616.0 | 2.7 | 12.1 | 1,207.4 | 154.9 | 2,456.4 | 0.1 | 2,526.4 | 0.2 | 2,526.5 |
| 1999 | 0.0 | 74.0 | 4.0 | 463.5 | 594.8 | 1.3 | 12.3 | 1,252.3 | 109.8 | 2,438.1 | 0.1 | 2,512.2 | 0.2 | 2,512.3 |
| 2000 | 0.0 | 65.2 | 3.1 | 482.6 | 582.4 | 0.8 | 12.1 | 1,287.3 | 132.1 | 2,500.3 | 0.1 | 2,565.6 | 0.2 | 2,565.8 |
| 2001 | 0.0 | 73.0 | 2.4 | 535.6 | 639.8 | 2.1 | 11.1 | 1,311.6 | 101.2 | 2,603.7 | 0.1 | 2,676.8 | 0.3 | 2,677.1 |
| 2002 | 0.0 | 93.8 | 2.7 | 533.8 | 655.4 | 1.7 | 10.9 | 1,371.3 | 101.1 | 2,677.0 | 0.2 | 2,771.0 | 0.3 | 2,771.3 |
| 2003 | 0.0 | 60.1 | 2.6 | 526.7 | 574.6 | 1.8 | 10.1 | 1,375.2 | 104.7 | 2,595.6 | 0.3 | 2,656.0 | 0.7 | 2,656.7 |
| 2004 | 0.0 | 59.9 | 2.4 | 591.3 | 503.6 | 2.1 | 10.2 | 1,405.6 | 127.5 | 2,642.7 | 0.3 | 2,702.9 | 0.6 | 2,703.5 |
| 2005 | 0.0 | 85.4 | 2.6 | 610.5 | 455.8 | 1.7 | 10.2 | 1,421.4 | 141.2 | 2,643.3 | 0.2 | 2,729.0 | 0.5 | 2,729.5 |
| 2006 | 0.0 | 89.4 | 2.5 | 689.8 | 461.8 | 1.9 | 9.9 | 1,456.5 | 150.8 | 2,773.2 | 0.2 | 2,862.8 | 0.5 | 2,863.3 |
| 2007 | 0.0 | 94.4 | 2.5 | 694.8 | 427.6 | 1.3 | 10.3 | 1,490.8 | 185.4 | 2,812.6 | 0.2 | 2,907.3 | 0.5 | 2,907.8 |
| 2008 | 0.0 | R 114.4 | 2.1 | R 686.3 | 411.2 | R 2.4 | 9.5 | 1,481.4 | 162.4 | R 2,755.3 | 0.2 | R 2,870.0 | 0.5 | R 2,870.5 |
| 2009 | 0.0 | 98.1 | 1.8 | 631.7 | 350.5 | 1.8 | 8.6 | 1,488.9 | 142.3 | 2,625.4 | 0.2 | 2,723.7 | 0.5 | 2,724.2 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Texas

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 407 | 43 | 18 | 0 | 61 | 0 | 1,102 | – – | 0 | NA | NA | -175 | – – |
| 1965 | 0 | 640 | 33 | 14 | 0 | 47 | 0 | 743 | – – | 0 | NA | NA | -82 | – – |
| 1970 | 0 | 1,062 | 104 | 45 | 0 | 149 | 0 | 1,005 | – – | 0 | NA | NA | -122 | – – |
| 1975 | 9,044 | 1,353 | 1,740 | 75 | 0 | 1,815 | 0 | 1,922 | – – | 0 | NA | NA | -343 | – – |
| 1980 | 45,351 | 1,430 | 660 | 1,126 | 0 | 1,786 | 0 | 979 | – – | 0 | NA | NA | -581 | – – |
| 1985 | 71,818 | 1,198 | 881 | 775 | 0 | 1,657 | 0 | 1,401 | – – | 0 | 0 | 0 | -4 | – – |
| 1990 | 87,248 | 1,134 | 254 | 721 | 0 | 975 | 15,859 | 1,794 | – – | 0 | (s) | 0 | -63 | – – |
| 1995 | 88,358 | 1,207 | 62 | 534 | 2,460 | 3,055 | 36,151 | 1,703 | – – | 0 | (s) | 0 | -925 | – – |
| 1996 | 94,190 | 1,206 | 335 | 696 | 2,537 | 3,568 | 35,767 | 960 | – – | 0 | (s) | 83 | -1,024 | – – |
| 1997 | 96,537 | 1,232 | 24 | 334 | 2,472 | 2,830 | 37,358 | 1,791 | – – | 0 | (s) | 81 | -577 | – – |
| 1998 | 94,661 | 1,441 | 11 | 509 | 2,521 | 3,041 | 38,685 | 1,425 | – – | 0 | (s) | 80 | 734 | – – |
| 1999 | 97,746 | 1,445 | 10 | 796 | 2,433 | 3,239 | 36,760 | 1,120 | – – | 0 | (s) | 320 | 185 | – – |
| 2000 | 97,076 | 1,578 | 401 | 2,147 | 2,836 | 5,385 | 37,556 | 829 | – – | 0 | (s) | 492 | -16 | – – |
| 2001 | 92,438 | 1,506 | 617 | 2,924 | 2,051 | 5,591 | 38,163 | 1,200 | – – | 0 | (s) | 1,188 | 1 | – – |
| 2002 | 95,673 | 1,550 | 86 | 437 | 2,899 | 3,422 | 35,618 | 1,123 | – – | 0 | 0 | 2,656 | -219 | – – |
| 2003 | 100,269 | 1,454 | 498 | 2,554 | 1,264 | 4,316 | 33,437 | 897 | – – | 0 | 0 | 2,570 | -217 | – – |
| 2004 | 101,763 | 1,394 | 190 | 300 | 2,628 | 3,118 | 40,435 | 1,301 | – – | 0 | 0 | 3,138 | -216 | – – |
| 2005 | 101,233 | 1,466 | 29 | 317 | 2,726 | 3,071 | 38,232 | 1,333 | – – | 0 | 0 | 4,237 | -220 | – – |
| 2006 | 99,661 | 1,464 | 55 | 242 | 2,926 | 3,224 | 41,264 | 662 | – – | 0 | 0 | 6,671 | -212 | – – |
| 2007 | 102,916 | 1,474 | 46 | 241 | 2,068 | 2,355 | 40,955 | 1,644 | – – | 0 | 0 | 9,006 | -243 | – – |
| 2008 | 101,840 | 1,440 | 6 | 193 | 1,844 | 2,043 | 40,727 | 1,039 | – – | 0 | 0 | 16,225 | -52 | – – |
| 2009 | 95,407 | 1,387 | 0 | 135 | 2,550 | 2,685 | 41,498 | 1,029 | – – | 0 | 0 | 20,026 | 110 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 421.6 | 0.3 | 0.1 | 0.0 | 0.4 | 0.0 | 11.9 | 0.0 | 0.0 | NA | NA | -0.6 | 433.2 |
| 1965 | 0.0 | 663.2 | 0.2 | 0.1 | 0.0 | 0.3 | 0.0 | 7.8 | 0.9 | 0.0 | NA | NA | -0.3 | 671.9 |
| 1970 | 0.0 | 1,090.3 | 0.7 | 0.3 | 0.0 | 0.9 | 0.0 | 10.5 | 1.0 | 0.0 | NA | NA | -0.4 | 1,102.4 |
| 1975 | 118.5 | 1,379.0 | 10.9 | 0.4 | 0.0 | 11.4 | 0.0 | 20.0 | 0.9 | 0.0 | NA | NA | -1.2 | 1,528.6 |
| 1980 | 670.8 | 1,482.9 | 4.2 | 6.6 | 0.0 | 10.7 | 0.0 | 10.2 | 0.8 | 0.0 | NA | NA | -2.0 | 2,173.4 |
| 1985 | 1,063.4 | 1,240.7 | 5.5 | 4.5 | 0.0 | 10.1 | 0.0 | 14.6 | 3.1 | 0.0 | 0.0 | 0.0 | (s) | 2,331.9 |
| 1990 | 1,271.9 | 1,174.0 | 1.6 | 4.2 | 0.0 | 5.8 | 167.8 | 18.7 | 3.3 | 0.0 | (s) | 0.0 | -0.2 | 2,640.8 |
| 1995 | 1,301.1 | 1,237.7 | 0.4 | 3.1 | 14.8 | 18.3 | 379.8 | 17.6 | 0.4 | 0.0 | (s) | 0.0 | -3.2 | 2,951.7 |
| 1996 | 1,411.8 | 1,235.1 | 2.1 | 4.1 | 15.3 | 21.4 | 375.7 | 9.9 | 0.6 | 0.0 | (s) | 0.9 | -3.5 | 3,051.9 |
| 1997 | 1,449.1 | 1,260.0 | 0.2 | 1.9 | 14.9 | 17.0 | 392.0 | 18.3 | 0.7 | 0.0 | (s) | 0.8 | -2.0 | 3,135.9 |
| 1998 | 1,425.3 | 1,475.6 | 0.1 | 3.0 | 15.2 | 18.2 | 405.8 | 14.5 | 0.7 | 0.0 | (s) | 0.8 | 2.5 | 3,343.5 |
| 1999 | 1,467.7 | 1,476.4 | 0.1 | 4.6 | 14.7 | 19.4 | 384.1 | 11.5 | 0.7 | 0.0 | (s) | 3.3 | 0.6 | 3,363.6 |
| 2000 | 1,474.9 | 1,610.7 | 2.5 | 12.5 | 17.1 | 32.1 | 391.7 | 8.5 | 0.9 | 0.0 | (s) | 5.0 | -0.1 | 3,523.7 |
| 2001 | 1,417.1 | 1,551.6 | 3.9 | 17.0 | 12.4 | 33.3 | 398.5 | 12.4 | 0.9 | 0.0 | (s) | 12.3 | (s) | 3,425.5 |
| 2002 | 1,477.5 | 1,579.4 | 0.5 | 2.5 | 17.5 | 20.6 | 371.9 | 11.4 | 2.2 | 0.0 | 0.0 | 27.0 | -0.7 | 3,489.2 |
| 2003 | 1,528.8 | 1,483.8 | 3.1 | 14.9 | 7.6 | 25.6 | 348.5 | 9.2 | 3.4 | 0.0 | 0.0 | 26.3 | -0.7 | 3,424.9 |
| 2004 | 1,554.8 | 1,426.1 | 1.2 | 1.8 | 15.8 | 18.8 | 421.6 | 13.0 | 2.9 | 0.0 | 0.0 | 31.4 | -0.7 | 3,468.0 |
| 2005 | 1,557.5 | 1,507.4 | 0.2 | 1.8 | 16.4 | 18.4 | 399.0 | 13.3 | 2.7 | 0.0 | 0.0 | 42.4 | -0.7 | 3,540.0 |
| 2006 | 1,539.4 | 1,501.2 | 0.3 | 1.4 | 17.6 | 19.4 | 430.6 | 6.6 | 2.7 | 0.0 | 0.0 | 66.2 | -0.7 | 3,565.4 |
| 2007 | 1,568.7 | 1,507.8 | 0.3 | 1.4 | 12.5 | 14.1 | 429.4 | 16.3 | 4.2 | 0.0 | 0.0 | 89.0 | -0.8 | 3,628.7 |
| 2008 | 1,566.6 | 1,472.7 | (s) | 1.1 | 11.1 | 12.3 | 425.7 | 10.2 | 4.9 | 0.0 | 0.0 | 159.9 | -0.2 | 3,652.1 |
| 2009 | 1,480.4 | 1,415.8 | 0.0 | 0.8 | 15.4 | 16.1 | 434.1 | 10.0 | 4.4 | 0.0 | 0.0 | 195.5 | 0.4 | 3,556.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Utah

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 3,449 | 70 | 3,775 | 1,003 | 452 | 7,813 | 5,715 | 3,584 | 22,341 | 0 | 304 | NA |
| 1965 | 2,857 | 108 | 4,193 | 1,244 | 677 | 9,001 | 5,662 | 4,251 | 25,029 | 0 | 913 | NA |
| 1970 | 3,025 | 122 | 5,107 | 1,808 | 939 | 12,308 | 4,656 | 4,632 | 29,450 | 0 | 741 | NA |
| 1971 | 3,047 | 121 | 6,522 | 1,947 | 1,010 | 12,958 | 5,076 | 4,451 | 31,965 | 0 | 984 | NA |
| 1972 | 3,024 | 124 | 6,403 | 1,963 | 1,223 | 14,052 | 4,494 | 5,112 | 33,247 | 0 | 1,223 | NA |
| 1973 | 3,886 | 123 | 8,028 | 1,889 | 1,080 | 14,614 | 3,638 | 4,806 | 34,054 | 0 | 1,111 | NA |
| 1974 | 4,263 | 121 | 8,906 | 1,864 | 1,096 | 14,439 | 4,222 | 5,044 | 35,571 | 0 | 941 | NA |
| 1975 | 4,636 | 124 | 9,165 | 1,903 | 1,169 | 15,063 | 4,603 | 4,488 | 36,391 | 0 | 1,074 | NA |
| 1976 | 4,117 | 146 | 8,484 | 1,828 | 1,219 | 15,741 | 4,768 | 4,921 | 36,961 | 0 | 1,130 | NA |
| 1977 | 5,429 | 106 | 8,797 | 2,034 | 928 | 16,509 | 4,543 | 4,943 | 37,754 | 0 | 757 | NA |
| 1978 | 5,954 | 119 | 9,168 | 2,164 | 841 | 17,478 | 4,122 | 4,929 | 38,701 | 0 | 734 | NA |
| 1979 | 7,104 | 126 | 9,610 | 2,302 | 1,658 | 16,480 | 3,187 | 5,172 | 38,409 | 0 | 802 | NA |
| 1980 | 7,106 | 115 | 8,401 | 2,637 | 1,301 | 15,534 | 3,495 | 4,615 | 35,983 | 0 | 821 | NA |
| 1981 | 7,432 | 102 | 7,098 | 2,424 | 1,546 | 15,548 | 1,022 | 3,174 | 30,812 | 0 | 623 | 0 |
| 1982 | 6,787 | 118 | 6,438 | 2,801 | 1,523 | 15,793 | 855 | 3,154 | 30,563 | 0 | 1,024 | 1 |
| 1983 | 6,873 | 110 | 6,387 | 3,284 | 1,577 | 15,954 | 1,600 | 3,515 | 32,316 | 0 | 1,394 | 0 |
| 1984 | 7,905 | 116 | 6,107 | 3,413 | 1,387 | 16,151 | 953 | 4,090 | 32,101 | 0 | 1,391 | 59 |
| 1985 | 8,303 | 115 | 5,715 | 3,808 | 1,486 | 16,240 | 431 | 4,129 | 31,809 | 0 | 1,019 | 12 |
| 1986 | 8,112 | 105 | 6,978 | 4,335 | 1,542 | 17,541 | 360 | 3,651 | 34,406 | 0 | 1,413 | 5 |
| 1987 | 11,807 | 99 | 6,507 | 4,969 | 1,652 | 17,623 | 357 | 4,065 | 35,172 | 0 | 856 | 1 |
| 1988 | 14,513 | 109 | 7,060 | 4,977 | 1,432 | 18,148 | 288 | 4,066 | 35,971 | 0 | 593 | 1 |
| 1989 | 15,044 | 114 | 5,917 | 5,095 | 1,386 | 17,311 | 250 | 4,736 | 34,694 | 0 | 562 | 1 |
| 1990 | 15,738 | 117 | 7,162 | 5,281 | 1,074 | 16,724 | 367 | 4,475 | 35,082 | 0 | 508 | 1 |
| 1991 | 14,834 | 133 | 7,038 | 5,917 | 747 | 17,395 | 200 | 5,636 | 36,933 | 0 | 627 | 1 |
| 1992 | 15,719 | 123 | 7,286 | 5,607 | 696 | 17,905 | 245 | 4,785 | 36,524 | 0 | 602 | 7 |
| 1993 | 16,063 | 138 | 7,422 | 5,518 | 779 | 18,837 | 285 | 4,582 | 37,422 | 0 | 860 | 19 |
| 1994 | 16,603 | 137 | 7,653 | 5,270 | 784 | 19,433 | 343 | 4,792 | 38,275 | 0 | 750 | 0 |
| 1995 | 15,675 | 157 | 8,469 | 5,658 | 1,531 | 20,771 | 294 | 4,995 | 41,718 | 0 | 969 | 0 |
| 1996 | 15,615 | 161 | 8,746 | 6,303 | 2,621 | 21,170 | 87 | 5,703 | 44,628 | 0 | 1,049 | 22 |
| 1997 | 16,507 | 165 | 9,976 | 6,279 | 750 | 22,024 | 149 | 5,349 | 44,529 | 0 | 1,344 | 0 |
| 1998 | 17,482 | 170 | 10,398 | 6,379 | 430 | 22,735 | 96 | 5,413 | 45,452 | 0 | 1,315 | 297 |
| 1999 | 16,611 | 160 | 9,793 | 7,443 | 1,013 | 23,141 | 60 | 5,356 | 46,806 | 0 | 1,255 | 253 |
| 2000 | 17,373 | 165 | 10,629 | 7,701 | 1,804 | 23,895 | 71 | 5,080 | 49,179 | 0 | 746 | 287 |
| 2001 | 16,748 | 159 | 11,236 | 6,880 | 1,988 | 22,993 | 18 | 5,052 | 48,167 | 0 | 508 | 378 |
| 2002 | 16,434 | 163 | 11,482 | 6,416 | 1,280 | 24,158 | 82 | 4,188 | 47,607 | 0 | 458 | 100 |
| 2003 | 16,975 | 154 | 11,731 | 6,758 | 716 | 24,325 | 111 | 6,256 | 49,897 | 0 | 421 | 77 |
| 2004 | 18,150 | 156 | 12,264 | 7,137 | 805 | 24,744 | 171 | 5,503 | 50,625 | 0 | 450 | 37 |
| 2005 | 18,594 | 160 | 13,717 | 7,394 | 1,473 | 24,677 | 220 | 5,498 | 52,978 | 0 | 784 | 619 |
| 2006 | 17,324 | 187 | 17,292 | 7,560 | 1,399 | 25,312 | 243 | R 5,057 | R 56,863 | 0 | 747 | 521 |
| 2007 | 17,526 | 220 | 15,946 | 7,085 | 1,453 | 26,054 | 309 | R 4,703 | R 55,550 | 0 | 539 | 900 |
| 2008 | 17,799 | 224 | R 14,943 | 6,509 | 1,374 | 25,051 | 454 | R 4,624 | R 52,955 | 0 | 668 | 1,088 |
| 2009 | 16,643 | 214 | 12,969 | 5,751 | 1,138 | 25,135 | 135 | 4,424 | 49,553 | 0 | 835 | 1,255 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Utah
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 91.0 | 72.4 | 22.0 | 5.4 | 1.8 | 41.0 | 35.9 | 21.5 | 127.6 | 291.0 | *72.4* | *41.0* |
| 1965 | 75.4 | 99.8 | 24.4 | 6.8 | 2.7 | 47.3 | 35.6 | 25.6 | 142.4 | 317.6 | *99.8* | *47.3* |
| 1970 | 78.8 | 114.4 | 29.8 | 10.0 | 3.5 | 64.7 | 29.3 | 28.6 | 165.8 | 358.9 | *114.4* | *64.7* |
| 1971 | 78.7 | 113.9 | 38.0 | 10.8 | 3.8 | 68.1 | 31.9 | 27.4 | 179.9 | 372.5 | *113.9* | *68.1* |
| 1972 | 77.6 | 116.4 | 37.3 | 10.9 | 4.6 | 73.8 | 28.3 | 31.6 | 186.4 | 380.4 | *116.4* | *73.8* |
| 1973 | 98.8 | 116.3 | 46.8 | 10.5 | 4.0 | 76.8 | 22.9 | 29.5 | 190.4 | 405.6 | *116.3* | *76.8* |
| 1974 | 107.6 | 115.2 | 51.9 | 10.3 | 4.1 | 75.8 | 26.5 | 31.0 | 199.7 | 422.6 | *115.2* | *75.8* |
| 1975 | 115.7 | 118.0 | 53.4 | 10.6 | 4.3 | 79.1 | 28.9 | 27.5 | 203.9 | 437.6 | *118.0* | *79.1* |
| 1976 | 101.8 | 138.6 | 49.4 | 10.2 | 4.5 | 82.7 | 30.0 | 30.4 | 207.2 | 447.5 | *138.6* | *82.7* |
| 1977 | 132.8 | 101.0 | 51.2 | 11.3 | 3.4 | 86.7 | 28.6 | 30.6 | 211.9 | 445.7 | *101.0* | *86.7* |
| 1978 | 143.9 | 113.3 | 53.4 | 12.1 | 3.1 | 91.8 | 25.9 | 30.5 | 216.7 | 474.0 | *113.3* | *91.8* |
| 1979 | 170.9 | 121.0 | 56.0 | 12.8 | 6.1 | 86.6 | 20.0 | 32.1 | 213.5 | 505.4 | *121.0* | *86.6* |
| 1980 | 168.3 | 125.0 | 48.9 | 14.6 | 4.8 | 81.6 | 22.0 | 28.5 | 200.4 | 493.6 | *125.0* | *81.6* |
| 1981 | 175.7 | 109.7 | 41.3 | 13.5 | 5.6 | 81.7 | 6.4 | 19.9 | 168.4 | 453.8 | *109.7* | *81.7* |
| 1982 | 159.6 | 110.5 | 37.5 | 15.6 | 5.5 | 83.0 | 5.4 | 19.8 | 166.7 | 436.8 | *110.5* | *83.0* |
| 1983 | 160.2 | 118.4 | 37.2 | 18.3 | 5.7 | 83.8 | 10.1 | 21.7 | 176.8 | 455.5 | *118.4* | *83.8* |
| 1984 | 185.6 | 124.2 | 35.6 | 19.0 | 5.0 | 84.8 | 6.0 | 25.5 | 175.9 | 485.8 | *124.2* | *84.8* |
| 1985 | 199.4 | 123.8 | 33.3 | 21.3 | 5.4 | 85.3 | 2.7 | 26.0 | 174.0 | 497.1 | *123.8* | *85.3* |
| 1986 | 189.0 | 99.7 | 40.6 | 24.3 | 5.6 | 92.1 | 2.3 | 23.2 | 188.1 | 476.8 | *99.7* | *92.1* |
| 1987 | 273.8 | 106.9 | 37.9 | 27.9 | 6.0 | 92.6 | 2.2 | 25.5 | 192.2 | 572.9 | *106.9* | *92.6* |
| 1988 | 338.0 | 117.8 | 41.1 | 28.0 | 5.2 | 95.3 | 1.8 | 25.2 | 196.6 | 652.4 | *117.8* | *95.3* |
| 1989 | 349.7 | 123.4 | 34.5 | 28.6 | 5.1 | 90.9 | 1.6 | 29.4 | 190.2 | 663.3 | *123.4* | *90.9* |
| 1990 | 366.8 | 126.9 | 41.7 | 29.7 | 3.9 | 87.9 | 2.3 | 27.7 | 193.2 | 687.0 | *126.9* | *87.9* |
| 1991 | 344.4 | 142.5 | 41.0 | 33.2 | 2.7 | 91.4 | 1.3 | 35.7 | 205.3 | 692.1 | *142.5* | *91.4* |
| 1992 | 363.1 | 132.4 | 42.4 | 31.5 | 2.5 | 94.1 | 1.5 | 29.6 | 201.7 | 697.1 | *132.4* | *94.1* |
| 1993 | 371.0 | 149.3 | 43.2 | 31.1 | 2.8 | 98.9 | 1.8 | 28.6 | 206.4 | 726.6 | *149.3* | *98.9* |
| 1994 | 380.9 | 146.4 | 44.6 | 29.7 | 2.8 | 101.6 | 2.2 | 29.9 | 210.8 | 738.1 | *146.4* | *101.6* |
| 1995 | 361.4 | 166.9 | 49.3 | 31.8 | 5.5 | 108.3 | 1.9 | 31.4 | 228.3 | 756.6 | *166.9* | *108.3* |
| 1996 | 360.0 | 168.1 | 50.9 | 35.7 | 9.5 | 110.3 | 0.5 | 35.7 | 242.7 | 770.8 | *168.1* | *110.4* |
| 1997 | 375.1 | 172.2 | 58.1 | 35.6 | 2.7 | 114.8 | 0.9 | 33.3 | 245.5 | 792.9 | *172.2* | *114.8* |
| 1998 | 396.1 | 178.0 | 60.6 | 36.2 | 1.6 | R 117.5 | 0.6 | 34.1 | R 250.5 | 824.5 | *178.0* | *118.5* |
| 1999 | 384.1 | 169.3 | 57.0 | 42.2 | 3.7 | 119.7 | 0.4 | 33.7 | R 256.7 | 810.0 | *169.3* | *120.6* |
| 2000 | 403.1 | 173.4 | 61.9 | 43.7 | 6.5 | 123.5 | 0.4 | 32.0 | 268.0 | 844.5 | *173.4* | *124.5* |
| 2001 | 384.5 | 167.6 | 65.4 | 39.0 | 7.2 | R 118.5 | 0.1 | 31.1 | 261.3 | 813.3 | *167.6* | *119.8* |
| 2002 | 370.6 | 172.4 | 66.9 | 36.4 | 4.6 | 125.5 | 0.5 | 25.4 | R 259.3 | 802.2 | *172.4* | *125.8* |
| 2003 | 379.2 | 163.5 | 68.3 | 38.3 | 2.6 | 126.4 | 0.7 | 39.0 | 275.3 | 818.0 | *163.5* | *126.7* |
| 2004 | 399.7 | 164.2 | 71.4 | 40.5 | 2.9 | 128.9 | 1.1 | 33.9 | 278.7 | 842.6 | *164.2* | *129.0* |
| 2005 | 405.5 | 168.8 | 79.9 | 41.9 | 5.3 | 126.6 | 1.4 | 33.7 | R 288.9 | R 863.2 | *168.8* | *128.8* |
| 2006 | 382.8 | 197.9 | 100.7 | 42.9 | 5.0 | R 130.3 | 1.5 | R 30.9 | R 311.3 | R 892.0 | *197.9* | *132.1* |
| 2007 | 391.4 | 232.2 | 92.9 | 40.2 | 5.2 | R 132.9 | 1.9 | R 28.6 | R 301.7 | R 925.3 | *232.2* | *136.0* |
| 2008 | 395.9 | 237.4 | R 87.0 | 36.9 | 4.9 | R 126.9 | 2.9 | R 28.3 | R 287.0 | R 920.3 | *237.4* | *130.7* |
| 2009 | 365.0 | 223.6 | 75.5 | 32.6 | 4.1 | 126.8 | 0.8 | 27.0 | 266.9 | 855.5 | *223.6* | *131.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Utah (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 3.3 | 2.2 | NA | NA | 2.2 | 0.0 | NA | NA | 5.5 | 6.8 | 0.0 | 303.3 |
| 1965 | 0.0 | 9.5 | 2.0 | NA | NA | 2.0 | 0.0 | NA | NA | 11.5 | 10.5 | 0.0 | 339.6 |
| 1970 | 0.0 | 7.8 | 2.3 | NA | NA | 2.3 | 0.0 | NA | NA | 10.1 | 28.0 | 0.0 | 397.0 |
| 1971 | 0.0 | 10.3 | 2.3 | NA | NA | 2.3 | 0.0 | NA | NA | 12.6 | 30.0 | 0.0 | 415.2 |
| 1972 | 0.0 | 12.7 | 2.5 | NA | NA | 2.5 | 0.0 | NA | NA | 15.2 | R 32.5 | 0.0 | R 428.1 |
| 1973 | 0.0 | 11.5 | 3.1 | NA | NA | 3.1 | 0.0 | NA | NA | 14.7 | 37.5 | 0.0 | R 457.7 |
| 1974 | 0.0 | 9.8 | 2.6 | NA | NA | 2.6 | 0.0 | NA | NA | 12.4 | R 38.6 | 0.0 | R 473.6 |
| 1975 | 0.0 | 11.2 | 2.9 | NA | NA | 2.9 | 0.0 | NA | NA | 14.1 | R 29.1 | 0.0 | R 480.8 |
| 1976 | 0.0 | 11.7 | 3.3 | NA | NA | 3.3 | 0.0 | NA | NA | 15.0 | R 47.7 | 0.0 | R 510.2 |
| 1977 | 0.0 | 7.9 | 3.8 | NA | NA | 3.8 | 0.0 | NA | NA | 11.7 | R 28.6 | 0.0 | R 486.1 |
| 1978 | 0.0 | 7.6 | 4.5 | NA | NA | 4.5 | 0.0 | NA | NA | 12.1 | R 24.6 | 0.0 | R 510.7 |
| 1979 | 0.0 | 8.3 | 5.3 | NA | NA | 5.3 | 0.0 | NA | NA | 13.6 | R 7.5 | 0.0 | R 526.5 |
| 1980 | 0.0 | 8.5 | 4.5 | NA | NA | 4.5 | 0.0 | NA | NA | 13.0 | R -2.0 | 0.0 | R 504.6 |
| 1981 | 0.0 | 6.5 | 5.9 | 0.0 | 0.0 | 5.9 | 0.0 | NA | NA | 12.4 | R 12.1 | 0.0 | R 478.3 |
| 1982 | 0.0 | 10.7 | 6.0 | (s) | 0.0 | 6.1 | 0.0 | NA | NA | 16.8 | R 14.1 | 0.0 | R 467.7 |
| 1983 | 0.0 | 14.7 | 6.5 | 0.0 | 0.0 | 6.5 | 0.0 | NA | 0.0 | 21.2 | R 15.1 | 0.0 | R 491.8 |
| 1984 | 0.0 | 14.5 | 6.7 | 0.2 | 0.0 | 6.9 | R 0.4 | 0.0 | 0.0 | R 21.8 | -3.7 | 0.0 | R 503.9 |
| 1985 | 0.0 | 10.6 | 6.9 | (s) | 0.0 | 6.9 | R 1.1 | 0.0 | 0.0 | R 18.7 | R -15.5 | 0.0 | R 500.4 |
| 1986 | 0.0 | 14.8 | 6.5 | (s) | 0.0 | 6.5 | R 1.8 | 0.0 | 0.0 | R 23.0 | R -29.1 | 0.0 | R 470.7 |
| 1987 | 0.0 | 8.9 | 3.6 | (s) | 0.0 | 3.6 | R 1.7 | 0.0 | 0.0 | R 14.3 | R -124.9 | 0.1 | R 462.4 |
| 1988 | 0.0 | 6.1 | 3.9 | (s) | 0.0 | 3.9 | R 1.8 | 0.0 | 0.0 | R 11.8 | R -137.9 | 0.0 | R 526.2 |
| 1989 | 0.0 | 5.9 | 3.5 | (s) | 0.0 | 3.5 | R 2.2 | (s) | 0.0 | R 11.7 | R -137.3 | (s) | R 537.6 |
| 1990 | 0.0 | 5.3 | 3.4 | (s) | 0.0 | 3.4 | R 2.0 | (s) | 0.0 | R 10.8 | R -147.1 | 0.0 | R 550.6 |
| 1991 | 0.0 | 6.5 | 3.6 | (s) | 0.0 | 3.6 | R 2.4 | (s) | 0.0 | R 12.6 | R -130.3 | 0.0 | R 574.4 |
| 1992 | 0.0 | 6.2 | 3.8 | (s) | 0.0 | 3.8 | R 2.3 | (s) | 0.0 | R 12.4 | R -147.2 | 0.0 | R 562.4 |
| 1993 | 0.0 | 8.9 | 3.7 | 0.1 | 0.0 | 3.8 | R 1.9 | (s) | 0.0 | R 14.6 | R -153.8 | 0.0 | R 587.5 |
| 1994 | 0.0 | 7.7 | 3.6 | 0.0 | 0.0 | 3.6 | R 2.5 | 0.1 | 0.0 | R 13.8 | R -154.6 | 0.0 | R 597.4 |
| 1995 | 0.0 | 10.0 | 3.6 | 0.0 | 0.0 | 3.6 | R 1.9 | 0.1 | 0.0 | R 15.5 | R -127.8 | 0.0 | R 644.3 |
| 1996 | 0.0 | 10.8 | 3.8 | 0.1 | 0.0 | 3.9 | R 2.5 | 0.1 | 0.0 | R 17.2 | R -114.3 | 0.0 | R 673.7 |
| 1997 | 0.0 | 13.7 | 4.4 | 0.0 | 0.0 | 4.4 | R 2.2 | 0.1 | 0.0 | R 20.4 | R -122.3 | 0.1 | R 691.1 |
| 1998 | 0.0 | 13.4 | 3.9 | 1.0 | 0.0 | 4.9 | R 2.2 | 0.1 | 0.0 | R 20.5 | R -128.6 | (s) | R 716.5 |
| 1999 | 0.0 | 12.8 | 5.4 | 0.9 | 0.0 | 6.3 | R 2.1 | (s) | 0.0 | R 21.3 | R -122.4 | 0.0 | R 708.9 |
| 2000 | 0.0 | 7.6 | 5.7 | 1.0 | 0.0 | R 6.7 | R 2.1 | (s) | 0.0 | R 16.5 | R -111.8 | 0.0 | R 749.2 |
| 2001 | 0.0 | 5.3 | 3.4 | 1.3 | 0.0 | 4.7 | R 2.2 | (s) | 0.0 | R 12.1 | R -108.4 | 0.0 | R 717.1 |
| 2002 | 0.0 | 4.7 | 3.4 | 0.3 | 0.0 | 3.7 | R 2.8 | (s) | 0.0 | R 11.2 | R -120.7 | (s) | R 692.7 |
| 2003 | 0.0 | 4.3 | 3.4 | 0.3 | 0.0 | 3.7 | R 2.6 | (s) | 0.0 | R 10.6 | R -125.6 | (s) | R 703.1 |
| 2004 | 0.0 | 4.5 | 3.5 | 0.1 | 0.0 | 3.6 | R 2.5 | (s) | 0.0 | R 10.7 | R -116.2 | 0.1 | R 737.2 |
| 2005 | 0.0 | 7.8 | R 3.2 | 2.1 | 0.0 | R 5.4 | R 2.5 | (s) | 0.0 | R 15.8 | R -124.5 | 0.1 | R 754.6 |
| 2006 | 0.0 | 7.4 | R 3.2 | 1.8 | 0.0 | R 5.0 | R 2.6 | (s) | 0.0 | R 15.1 | R -124.1 | (s) | R 783.0 |
| 2007 | 0.0 | 5.3 | R 3.4 | 3.1 | 0.0 | R 6.5 | R 2.3 | R (s) | 0.0 | R 14.2 | R -138.6 | -0.1 | R 800.8 |
| 2008 | 0.0 | 6.6 | R 3.7 | 3.8 | 0.0 | R 7.5 | R 3.3 | 0.1 | 0.2 | R 17.7 | R -142.7 | -0.1 | R 795.1 |
| 2009 | 0.0 | 8.2 | 3.8 | 4.3 | 0.0 | 8.1 | 3.5 | 0.1 | 1.6 | 21.4 | -122.3 | -0.1 | 754.5 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 2,935 | 66 | 3,764 | 1,003 | 452 | 7,813 | 3,425 | 3,584 | 20,039 | (s) | – – | – – | – – | – – | 3,474 | – – | – – | – – |
| 1965 | 2,494 | 103 | 4,185 | 1,244 | 677 | 9,001 | 4,065 | 4,251 | 23,424 | 3 | – – | – – | – – | – – | 3,776 | – – | – – | – – |
| 1970 | 2,590 | 118 | 5,098 | 1,808 | 939 | 12,308 | 2,888 | 4,632 | 27,673 | 3 | – – | – – | – – | – – | 5,225 | – – | – – | – – |
| 1975 | 2,610 | 121 | 9,154 | 1,903 | 1,169 | 15,063 | 4,451 | 4,488 | 36,229 | 0 | – – | – – | – – | – – | 7,940 | – – | – – | – – |
| 1980 | 2,211 | 110 | 8,333 | 2,637 | 1,301 | 15,534 | 3,437 | 4,615 | 35,857 | 0 | – – | – – | – – | – – | 10,705 | – – | – – | – – |
| 1985 | 1,978 | 115 | 5,660 | 3,808 | 1,486 | 16,240 | 405 | 4,129 | 31,729 | 0 | – – | – – | – – | – – | 13,038 | – – | – – | – – |
| 1990 | 2,174 | 116 | 7,078 | 5,281 | 1,074 | 16,724 | 367 | 4,475 | 34,998 | 0 | – – | – – | – – | – – | 15,402 | – – | – – | – – |
| 1995 | 1,982 | 148 | 8,403 | 5,658 | 1,531 | 20,771 | 294 | 4,995 | 41,652 | 0 | – – | – – | – – | – – | 18,460 | – – | – – | – – |
| 2000 | 2,209 | 154 | 10,528 | 7,701 | 1,804 | 23,895 | 71 | 5,080 | 49,078 | 0 | – – | – – | – – | – – | 23,185 | – – | – – | – – |
| 2001 | 1,842 | 144 | 11,126 | 6,880 | 1,988 | 22,993 | 18 | 5,052 | 48,058 | 0 | – – | – – | – – | – – | 23,217 | – – | – – | – – |
| 2002 | 790 | 148 | 11,385 | 6,416 | 1,280 | 24,158 | 82 | 4,188 | 47,510 | 0 | – – | – – | – – | – – | 23,267 | – – | – – | – – |
| 2003 | 672 | 140 | 11,670 | 6,758 | 716 | 24,325 | 111 | 6,256 | 49,836 | 0 | – – | – – | – – | – – | 23,860 | – – | – – | – – |
| 2004 | 1,544 | 146 | 12,204 | 7,137 | 805 | 24,744 | 171 | 5,503 | 50,565 | 0 | – – | – – | – – | – – | 24,512 | – – | – – | – – |
| 2005 | 1,476 | 148 | 13,643 | 7,394 | 1,473 | 24,677 | 220 | 5,498 | 52,904 | 0 | – – | – – | – – | – – | 25,000 | – – | – – | – – |
| 2006 | 715 | 158 | 17,166 | 7,560 | 1,399 | 25,312 | 243 | 5,057 | 56,737 | 0 | – – | – – | – – | – – | 26,366 | – – | – – | – – |
| 2007 | 934 | 163 | 15,872 | 7,085 | 1,453 | 26,054 | 309 | 4,703 | 55,477 | 0 | – – | – – | – – | – – | 27,785 | – – | – – | – – |
| 2008 | 873 | 169 | 14,865 | 6,509 | 1,374 | 25,051 | 454 | 4,624 | 52,877 | 0 | – – | – – | – – | – – | 28,192 | – – | – – | – – |
| 2009 | 718 | 164 | 12,906 | 5,751 | 1,138 | 25,135 | 135 | 4,424 | 49,490 | 0 | – – | – – | – – | – – | 27,587 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 78.1 | 68.6 | 21.9 | 5.4 | 1.8 | 41.0 | 21.5 | 21.5 | 113.2 | (s) | 2.2 | NA | NA | NA | 11.9 | 274.0 | 29.3 | 303.3 |
| 1965 | 66.3 | 95.4 | 24.4 | 6.8 | 2.7 | 47.3 | 25.6 | 25.6 | 132.3 | (s) | 2.0 | NA | NA | NA | 12.9 | 308.9 | 30.8 | 339.6 |
| 1970 | 68.0 | 111.1 | 29.7 | 10.0 | 3.5 | 64.7 | 18.2 | 28.6 | 154.6 | (s) | 2.3 | NA | NA | NA | 17.8 | 353.9 | 43.1 | 397.0 |
| 1975 | 67.8 | 115.1 | 53.3 | 10.6 | 4.3 | 79.1 | 28.0 | 27.5 | 202.9 | 0.0 | 2.9 | NA | NA | NA | 27.1 | 415.8 | 65.0 | 480.8 |
| 1980 | 56.2 | 120.1 | 48.5 | 14.6 | 4.8 | 81.6 | 21.6 | 28.5 | 199.6 | 0.0 | 4.5 | NA | NA | NA | 36.5 | 416.9 | 87.7 | 504.6 |
| 1985 | 50.1 | 123.5 | 33.0 | 21.3 | 5.4 | 85.3 | 2.5 | 26.0 | 173.5 | 0.0 | 6.9 | 0.0 | NA | NA | 44.5 | 398.5 | 101.9 | 500.4 |
| 1990 | 54.9 | 126.0 | 41.2 | 29.7 | 3.9 | 87.9 | 2.3 | 27.7 | 192.7 | 0.0 | 3.4 | 0.0 | 0.4 | (s) | 52.6 | 430.0 | 120.6 | 550.6 |
| 1995 | 49.4 | 157.7 | 48.9 | 31.8 | 5.5 | 108.3 | 1.9 | 31.4 | 227.9 | 0.0 | 3.6 | 0.0 | 0.5 | 0.1 | 63.0 | 502.1 | 142.2 | 644.3 |
| 2000 | 55.4 | 162.4 | 61.3 | 43.7 | 6.5 | 124.5 | 0.4 | 32.0 | 268.4 | 0.0 | 4.4 | 0.0 | 0.5 | (s) | 79.1 | 570.3 | 178.9 | 749.2 |
| 2001 | 45.4 | 151.7 | 64.8 | 39.0 | 7.2 | 119.8 | 0.1 | 31.1 | 262.0 | 0.0 | 2.6 | 0.0 | 0.6 | (s) | 79.2 | 541.6 | 175.5 | 717.1 |
| 2002 | 18.3 | 156.8 | 66.3 | 36.4 | 4.6 | 125.8 | 0.5 | 25.4 | 259.0 | 0.0 | 2.6 | 0.0 | 0.6 | (s) | 79.4 | 516.8 | 175.9 | 692.7 |
| 2003 | 15.6 | 149.0 | 68.0 | 38.3 | 2.6 | 126.7 | 0.7 | 39.0 | 275.2 | 0.0 | 2.7 | 0.0 | 0.5 | (s) | 81.4 | 524.5 | 178.6 | 703.1 |
| 2004 | 33.0 | 154.7 | 71.1 | 40.5 | 2.9 | 129.0 | 1.1 | 33.9 | 278.5 | 0.0 | 2.7 | 0.0 | 0.6 | (s) | 83.6 | 553.2 | 184.0 | 737.2 |
| 2005 | 34.1 | 156.0 | 79.5 | 41.9 | 5.3 | 128.8 | 1.4 | 33.7 | 290.6 | 0.0 | 2.4 | 0.0 | 0.7 | (s) | 85.3 | 569.1 | 185.5 | 754.6 |
| 2006 | 16.6 | 167.5 | 100.0 | 42.9 | 5.0 | 132.1 | 1.5 | 30.9 | 312.4 | 0.0 | 2.5 | 0.0 | 0.7 | (s) | 90.0 | 589.6 | 193.4 | 783.0 |
| 2007 | 21.3 | 173.5 | 92.5 | 40.2 | 5.2 | 136.0 | 1.9 | 28.6 | 304.4 | 0.0 | 2.8 | 0.0 | 0.7 | (s) | 94.8 | 597.5 | 203.3 | 800.8 |
| 2008 | 19.8 | 179.3 | 86.6 | 36.9 | 4.9 | 130.7 | 2.9 | 28.3 | 290.3 | 0.0 | 2.7 | 0.0 | 0.8 | 0.1 | 96.2 | 589.3 | 205.9 | 795.1 |
| 2009 | 16.1 | 171.8 | 75.2 | 32.6 | 4.1 | 131.2 | 0.8 | 27.0 | 270.9 | 0.0 | 2.6 | 0.0 | 0.8 | 0.1 | 94.1 | 556.4 | 198.1 | 754.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 147 | 23 | 100 | 1 | 175 | 276 | 92 | – – | – – | 1,012 | – – | – – | – – |
| 1965 | 103 | 31 | 98 | 20 | 356 | 474 | 79 | – – | – – | 1,243 | – – | – – | – – |
| 1970 | 61 | 45 | 143 | 6 | 489 | 639 | 87 | – – | – – | 1,688 | – – | – – | – – |
| 1975 | 39 | 60 | 357 | 4 | 397 | 758 | 101 | – – | – – | 2,493 | – – | – – | – – |
| 1980 | 50 | 58 | 112 | 0 | 246 | 357 | 189 | – – | – – | 3,116 | – – | – – | – – |
| 1985 | 55 | 59 | 67 | 10 | 445 | 521 | 301 | – – | – – | 3,985 | – – | – – | – – |
| 1990 | 53 | 43 | 139 | 5 | 299 | 442 | 148 | – – | – – | 4,246 | – – | – – | – – |
| 1995 | 10 | 49 | 72 | 3 | 148 | 223 | 150 | – – | – – | 5,041 | – – | – – | – – |
| 1996 | 11 | 54 | 74 | 4 | 177 | 255 | 155 | – – | – – | 5,481 | – – | – – | – – |
| 1997 | 14 | 58 | 88 | 5 | 344 | 437 | 177 | – – | – – | 5,661 | – – | – – | – – |
| 1998 | 12 | 57 | 70 | 4 | 105 | 179 | 157 | – – | – – | 5,756 | – – | – – | – – |
| 1999 | 14 | 55 | 79 | 4 | 220 | 303 | 166 | – – | – – | 6,236 | – – | – – | – – |
| 2000 | 6 | 56 | 79 | 4 | 415 | 498 | 178 | – – | – – | 6,514 | – – | – – | – – |
| 2001 | 7 | 55 | 91 | 3 | 707 | 801 | 99 | – – | – – | 6,693 | – – | – – | – – |
| 2002 | 24 | 59 | 83 | 2 | 437 | 522 | 101 | – – | – – | 6,938 | – – | – – | – – |
| 2003 | 8 | 55 | 67 | 2 | 376 | 446 | 106 | – – | – – | 7,166 | – – | – – | – – |
| 2004 | 21 | 61 | 85 | 2 | 421 | 508 | 109 | – – | – – | 7,325 | – – | – – | – – |
| 2005 | 4 | 58 | 26 | 1 | 551 | 579 | R 96 | – – | – – | 7,567 | – – | – – | – – |
| 2006 | 3 | 60 | 29 | 2 | 644 | 675 | R 88 | – – | – – | 8,232 | – – | – – | – – |
| 2007 | 2 | 61 | 28 | 2 | 578 | 608 | R 97 | – – | – – | 8,752 | – – | – – | – – |
| 2008 | 0 | 66 | 18 | 1 | 666 | 685 | R 101 | – – | – – | 8,786 | – – | – – | – – |
| 2009 | 0 | 65 | 23 | 1 | 643 | 667 | 97 | – – | – – | 8,725 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 3.8 | 23.4 | 0.6 | (s) | 0.7 | 1.3 | 1.8 | NA | NA | 3.5 | 33.8 | 8.5 | 42.3 |
| 1965 | 2.7 | 28.4 | 0.6 | 0.1 | 1.4 | 2.1 | 1.6 | NA | NA | 4.2 | 39.0 | 10.1 | 49.1 |
| 1970 | 1.5 | 41.9 | 0.8 | (s) | 1.8 | 2.7 | 1.7 | NA | NA | 5.8 | 53.6 | 13.9 | 67.5 |
| 1975 | 0.9 | 56.8 | 2.1 | (s) | 1.5 | 3.6 | 2.0 | NA | NA | 8.5 | 71.8 | R 20.4 | 92.2 |
| 1980 | 1.2 | 62.9 | 0.6 | 0.0 | 0.9 | 1.6 | 3.8 | NA | NA | 10.6 | 80.1 | R 25.5 | R 105.6 |
| 1985 | 1.3 | 63.1 | 0.4 | 0.1 | 1.6 | 2.0 | 6.0 | NA | NA | 13.6 | 86.1 | R 31.1 | R 117.2 |
| 1990 | 1.2 | 47.3 | 0.8 | (s) | 1.1 | 1.9 | 3.0 | 0.1 | (s) | 14.5 | 68.0 | R 33.2 | R 101.2 |
| 1995 | 0.2 | 52.1 | 0.4 | (s) | 0.5 | 1.0 | 3.0 | 0.1 | 0.1 | 17.2 | 73.6 | R 38.8 | R 112.4 |
| 1996 | 0.3 | 56.7 | 0.4 | (s) | 0.6 | 1.1 | 3.1 | 0.1 | 0.1 | 18.7 | 79.9 | R 42.3 | R 122.2 |
| 1997 | 0.3 | 60.6 | 0.5 | (s) | 1.2 | 1.8 | 3.5 | 0.1 | 0.1 | 19.3 | 85.6 | R 43.5 | R 129.1 |
| 1998 | 0.3 | 59.5 | 0.4 | (s) | 0.4 | 0.8 | 3.1 | 0.1 | 0.1 | 19.6 | 83.5 | R 44.3 | R 127.7 |
| 1999 | 0.3 | 58.6 | 0.5 | (s) | 0.8 | 1.3 | 3.3 | (s) | (s) | 21.3 | 84.8 | R 48.4 | R 133.2 |
| 2000 | 0.1 | 58.5 | 0.5 | (s) | 1.5 | 2.0 | 3.6 | (s) | (s) | 22.2 | 86.5 | R 50.3 | R 136.7 |
| 2001 | 0.2 | 57.9 | 0.5 | (s) | 2.6 | 3.1 | 2.0 | (s) | (s) | 22.8 | 86.0 | R 50.6 | R 136.6 |
| 2002 | 0.6 | 63.0 | 0.5 | (s) | 1.6 | 2.1 | 2.0 | (s) | (s) | 23.7 | 91.4 | R 52.5 | R 143.8 |
| 2003 | 0.2 | 58.3 | 0.4 | (s) | 1.4 | 1.8 | 2.1 | (s) | (s) | 24.5 | 86.9 | R 53.6 | R 140.5 |
| 2004 | 0.5 | 63.9 | 0.5 | (s) | 1.5 | 2.0 | 2.2 | (s) | (s) | 25.0 | 93.7 | R 55.0 | R 148.7 |
| 2005 | 0.1 | 61.2 | 0.2 | (s) | 2.0 | 2.2 | R 1.9 | (s) | (s) | 25.8 | R 91.2 | R 56.1 | R 147.4 |
| 2006 | 0.1 | 63.4 | 0.2 | (s) | 2.3 | 2.5 | R 1.8 | (s) | (s) | 28.1 | R 95.9 | R 60.4 | R 156.3 |
| 2007 | 0.1 | 64.4 | 0.2 | (s) | 2.1 | 2.3 | R 1.9 | (s) | R (s) | 29.9 | R 98.5 | R 64.0 | R 162.6 |
| 2008 | 0.0 | 70.1 | 0.1 | (s) | 2.4 | 2.5 | R 2.0 | (s) | 0.1 | 30.0 | R 104.7 | R 64.2 | R 168.9 |
| 2009 | 0.0 | 68.2 | 0.1 | (s) | 2.3 | 2.4 | 1.9 | (s) | 0.1 | 29.8 | 102.5 | 62.6 | 165.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 102 | 10 | 362 | 6 | 117 | 281 | 656 | 1,423 | NA | – – | – – | 640 | – – | – – | – – |
| 1965 | 78 | 16 | 356 | 148 | 238 | 234 | 1,072 | 2,048 | NA | – – | – – | 1,128 | – – | – – | – – |
| 1970 | 48 | 10 | 521 | 46 | 327 | 202 | 795 | 1,892 | NA | – – | – – | 1,890 | – – | – – | – – |
| 1975 | 92 | 6 | 1,300 | 28 | 266 | 210 | 1,098 | 2,902 | NA | – – | – – | 2,479 | – – | – – | – – |
| 1980 | 187 | (s) | 1,028 | 34 | 165 | 81 | 1,051 | 2,358 | NA | – – | – – | 3,141 | – – | – – | – – |
| 1985 | 197 | 9 | 484 | 19 | 298 | 88 | 45 | 934 | NA | – – | – – | 4,596 | – – | – – | – – |
| 1990 | 214 | 16 | 364 | 5 | 200 | 96 | 73 | 738 | 0 | – – | – – | 5,389 | – – | – – | – – |
| 1995 | 67 | 27 | 382 | 1 | 99 | 21 | 13 | 516 | 0 | – – | – – | 6,462 | – – | – – | – – |
| 1996 | 83 | 30 | 374 | 3 | 118 | 21 | 14 | 530 | 0 | – – | – – | 6,717 | – – | – – | – – |
| 1997 | 109 | 31 | 406 | 4 | 231 | 21 | 11 | 672 | 0 | – – | – – | 7,285 | – – | – – | – – |
| 1998 | 101 | 31 | 524 | 5 | 70 | 21 | 3 | 623 | 0 | – – | – – | 7,433 | – – | – – | – – |
| 1999 | 100 | 30 | 593 | 4 | 147 | 21 | 10 | 774 | 0 | – – | – – | 8,074 | – – | – – | – – |
| 2000 | 52 | 31 | 366 | 4 | 278 | 22 | 16 | 687 | 0 | – – | – – | 8,746 | – – | – – | – – |
| 2001 | 53 | 31 | 696 | 8 | 473 | 23 | 18 | 1,219 | 0 | – – | – – | 9,102 | – – | – – | – – |
| 2002 | 174 | 34 | 558 | 4 | 293 | 23 | 0 | 878 | 0 | – – | – – | 9,293 | – – | – – | – – |
| 2003 | 53 | 31 | 527 | 5 | 269 | 23 | 0 | 824 | 0 | – – | – – | 9,024 | – – | – – | – – |
| 2004 | 192 | 31 | 490 | 8 | 248 | 24 | 0 | 769 | 0 | – – | – – | 9,345 | – – | – – | – – |
| 2005 | 41 | 34 | 343 | 11 | 558 | 24 | 3 | 940 | 0 | – – | – – | 9,417 | – – | – – | – – |
| 2006 | 32 | 34 | 437 | 6 | 294 | 25 | 1 | 762 | 0 | – – | – – | 9,749 | – – | – – | – – |
| 2007 | 20 | 34 | 452 | 4 | 382 | 25 | 0 | 863 | 0 | – – | – – | 10,241 | – – | – – | – – |
| 2008 | 0 | 38 | R 443 | 2 | 455 | 25 | 0 | R 926 | 0 | – – | – – | 10,286 | – – | – – | – – |
| 2009 | 0 | 37 | 539 | 2 | 323 | 25 | 0 | 889 | 0 | – – | – – | 10,235 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.6 | 10.5 | 2.1 | (s) | 0.5 | 1.5 | 4.1 | 8.2 | NA | (s) | NA | 2.2 | 23.6 | 5.4 | 29.0 |
| 1965 | 2.0 | 14.4 | 2.1 | 0.8 | 1.0 | 1.2 | 6.7 | 11.8 | NA | (s) | NA | 3.8 | 32.1 | 9.2 | 41.3 |
| 1970 | 1.2 | 9.5 | 3.0 | 0.3 | 1.2 | 1.1 | 5.0 | 10.6 | NA | (s) | NA | 6.4 | 27.8 | 15.6 | 43.4 |
| 1975 | 2.2 | 5.8 | 7.6 | 0.2 | 1.0 | 1.1 | 6.9 | 16.7 | NA | (s) | NA | 8.5 | 33.2 | 20.3 | 53.5 |
| 1980 | 4.3 | 0.4 | 6.0 | 0.2 | 0.6 | 0.4 | 6.6 | 13.8 | NA | 0.1 | NA | 10.7 | 29.3 | R 25.7 | R 55.1 |
| 1985 | 4.6 | 9.1 | 2.8 | 0.1 | 1.1 | 0.5 | 0.3 | 4.7 | NA | 0.1 | NA | 15.7 | 34.3 | R 35.9 | R 70.3 |
| 1990 | 4.9 | 17.7 | 2.1 | (s) | 0.7 | 0.5 | 0.5 | 3.8 | 0.0 | 0.3 | 0.1 | 18.4 | 45.3 | R 42.2 | R 87.5 |
| 1995 | 1.6 | 28.5 | 2.2 | (s) | 0.4 | 0.1 | 0.1 | 2.8 | 0.0 | 0.4 | 0.1 | 22.0 | 55.5 | R 49.8 | R 105.2 |
| 1996 | 1.9 | 30.8 | 2.2 | (s) | 0.4 | 0.1 | 0.1 | 2.8 | 0.0 | 0.4 | 0.1 | 22.9 | 59.0 | R 51.8 | R 110.8 |
| 1997 | 2.5 | 32.4 | 2.4 | (s) | 0.8 | 0.1 | 0.1 | 3.4 | 0.0 | 0.6 | 0.1 | 24.9 | 64.0 | R 56.0 | R 119.9 |
| 1998 | 2.4 | 32.4 | 3.1 | (s) | 0.3 | 0.1 | (s) | 3.5 | 0.0 | 0.5 | 0.2 | 25.4 | 64.3 | R 57.2 | R 121.4 |
| 1999 | 2.3 | 32.1 | 3.5 | (s) | 0.5 | 0.1 | 0.1 | 4.2 | 0.0 | 0.5 | 0.2 | 27.5 | 66.8 | R 62.6 | R 129.5 |
| 2000 | 1.2 | 32.9 | 2.1 | (s) | 1.0 | 0.1 | 0.1 | 3.4 | 0.0 | 0.6 | 0.2 | 29.8 | 68.1 | R 67.5 | R 135.6 |
| 2001 | 1.2 | 32.5 | 4.1 | (s) | 1.7 | 0.1 | 0.1 | 6.0 | 0.0 | 0.3 | 0.2 | 31.1 | 71.4 | R 68.8 | R 140.2 |
| 2002 | 4.1 | 35.5 | 3.3 | (s) | 1.1 | 0.1 | 0.0 | 4.5 | 0.0 | 0.4 | 0.2 | 31.7 | 76.3 | R 70.3 | R 146.6 |
| 2003 | 1.3 | 33.1 | 3.1 | (s) | 1.0 | 0.1 | 0.0 | 4.2 | 0.0 | 0.4 | 0.2 | 30.8 | 69.9 | R 67.5 | R 137.4 |
| 2004 | 4.5 | 32.9 | 2.9 | (s) | 0.9 | 0.1 | 0.0 | 3.9 | 0.0 | 0.4 | 0.2 | 31.9 | 73.8 | R 70.1 | R 144.0 |
| 2005 | 1.0 | 36.3 | 2.0 | 0.1 | 2.0 | 0.1 | (s) | 4.2 | 0.0 | R 0.3 | 0.3 | 32.1 | R 74.2 | R 69.9 | R 144.1 |
| 2006 | 0.8 | 36.0 | 2.5 | (s) | 1.1 | 0.1 | (s) | 3.8 | 0.0 | R 0.4 | 0.3 | 33.3 | R 74.4 | R 71.5 | R 146.0 |
| 2007 | 0.5 | 36.6 | 2.6 | (s) | 1.4 | 0.1 | 0.0 | 4.2 | 0.0 | R 0.4 | 0.3 | 34.9 | R 76.9 | R 74.9 | R 151.9 |
| 2008 | 0.0 | 40.0 | 2.6 | (s) | 1.6 | 0.1 | 0.0 | R 4.4 | 0.0 | R 0.3 | 0.3 | 35.1 | R 80.0 | R 75.1 | R 155.2 |
| 2009 | 0.0 | 38.8 | 3.1 | (s) | 1.1 | 0.1 | 0.0 | 4.4 | 0.0 | 0.3 | 0.3 | 34.9 | 78.8 | 73.5 | 152.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 2,640 | 33 | 990 | 124 | 299 | 2,399 | 2,831 | 6,642 | (s) | – – | – – | – – | 1,822 | – – | – – | – – |
| 1965 | 2,306 | 57 | 1,163 | 70 | 233 | 2,895 | 3,550 | 7,910 | 3 | – – | – – | – – | 1,404 | – – | – – | – – |
| 1970 | 2,477 | 63 | 1,564 | 116 | 261 | 2,068 | 4,240 | 8,249 | 3 | – – | – – | – – | 1,648 | – – | – – | – – |
| 1975 | 2,478 | 55 | 3,356 | 495 | 266 | 3,285 | 4,138 | 11,541 | 0 | – – | – – | – – | 2,968 | – – | – – | – – |
| 1980 | 1,974 | 51 | 2,220 | 876 | 165 | 2,386 | 4,249 | 9,897 | 0 | – – | – – | – – | 4,448 | – – | – – | – – |
| 1985 | 1,726 | 46 | 989 | 668 | 220 | 360 | 3,831 | 6,068 | 0 | – – | – – | – – | 4,458 | – – | – – | – – |
| 1990 | 1,907 | 55 | 1,520 | 524 | 198 | 245 | 4,161 | 6,649 | 0 | – – | – – | – – | 5,766 | – – | – – | – – |
| 1995 | 1,905 | 69 | 1,383 | 1,252 | 323 | 282 | 4,738 | 7,977 | 0 | – – | – – | – – | 6,957 | – – | – – | – – |
| 1996 | 1,559 | 69 | 1,360 | 2,301 | 331 | 73 | 5,460 | 9,525 | 0 | – – | – – | – – | 7,660 | – – | – – | – – |
| 1997 | 1,729 | 69 | 1,803 | 160 | 334 | 139 | 5,086 | 7,522 | 0 | – – | – – | – – | 7,430 | – – | – – | – – |
| 1998 | 2,275 | 73 | 2,188 | 254 | 248 | 94 | 5,150 | 7,934 | 0 | – – | – – | – – | 7,511 | – – | – – | – – |
| 1999 | 1,486 | 65 | 1,783 | 612 | 236 | 50 | 5,070 | 7,750 | 0 | – – | – – | – – | 7,568 | – – | – – | – – |
| 2000 | 2,151 | 64 | 1,730 | 1,068 | 240 | 54 | 4,785 | 7,877 | 0 | – – | – – | – – | 7,917 | – – | – – | – – |
| 2001 | 1,783 | 54 | 1,802 | 752 | 500 | 0 | 4,781 | 7,834 | 0 | – – | – – | – – | 7,411 | – – | – – | – – |
| 2002 | 592 | 49 | 1,819 | 503 | 517 | 82 | 3,930 | 6,851 | 0 | – – | – – | – – | 7,019 | – – | – – | – – |
| 2003 | 611 | 46 | 2,400 | 47 | 551 | 111 | 6,019 | 9,129 | 0 | – – | – – | – – | 7,646 | – – | – – | – – |
| 2004 | 1,330 | 46 | 2,095 | 88 | 591 | 171 | 5,244 | 8,188 | 0 | – – | – – | – – | 7,816 | – – | – – | – – |
| 2005 | 1,431 | 46 | 3,252 | 317 | 587 | 217 | 5,208 | 9,580 | 0 | – – | – – | – – | 7,989 | – – | – – | – – |
| 2006 | 680 | 53 | 3,683 | 398 | 612 | 242 | R 4,773 | R 9,708 | 0 | – – | – – | – – | 8,356 | – – | – – | – – |
| 2007 | 911 | 56 | 2,647 | 453 | 524 | 309 | R 4,448 | R 8,382 | 0 | – – | – – | – – | 8,759 | – – | – – | – – |
| 2008 | 873 | 53 | R 2,743 | R 189 | 485 | 454 | R 4,352 | R 8,223 | 0 | – – | – – | – – | 9,086 | – – | – – | – – |
| 2009 | 718 | 52 | 1,785 | 136 | 470 | 135 | 4,140 | 6,666 | 0 | – – | – – | – – | 8,594 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 70.5 | 34.7 | 5.8 | 0.5 | 1.6 | 15.1 | 17.5 | 40.4 | (s) | 0.3 | NA | NA | 6.2 | 152.1 | 15.4 | 167.5 |
| 1965 | 61.5 | 52.3 | 6.8 | 0.3 | 1.2 | 18.2 | 21.8 | 48.2 | (s) | 0.3 | NA | NA | 4.8 | 167.2 | 11.4 | 178.6 |
| 1970 | 65.2 | 59.2 | 9.1 | 0.4 | 1.4 | 13.0 | 26.4 | 50.3 | (s) | 0.5 | NA | NA | 5.6 | 180.9 | 13.6 | 194.5 |
| 1975 | 64.7 | 52.3 | 19.6 | 1.8 | 1.4 | 20.7 | 25.6 | 69.0 | 0.0 | 0.8 | NA | NA | 10.1 | 197.0 | R 24.3 | 221.3 |
| 1980 | 50.7 | 55.8 | 12.9 | 3.2 | 0.9 | 15.0 | 26.4 | 58.4 | 0.0 | 0.6 | NA | NA | 15.2 | 180.7 | R 36.5 | R 217.2 |
| 1985 | 44.1 | 49.9 | 5.8 | 2.4 | 1.2 | 2.3 | 24.3 | 35.9 | 0.0 | 0.7 | 0.0 | NA | 15.2 | 145.9 | R 34.8 | R 180.8 |
| 1990 | 48.7 | 60.1 | 8.9 | 1.9 | 1.0 | 1.5 | 25.9 | 39.2 | 0.0 | 0.2 | 0.0 | 0.2 | 19.7 | 168.1 | R 45.1 | R 213.2 |
| 1995 | 47.6 | 73.8 | 8.1 | 4.5 | 1.7 | 1.8 | 29.9 | 46.0 | 0.0 | 0.2 | 0.0 | 0.3 | 23.7 | 191.5 | R 53.6 | R 245.1 |
| 1996 | 40.0 | 72.3 | 7.9 | 8.3 | 1.7 | 0.5 | 34.3 | 52.7 | 0.0 | 0.3 | 0.0 | 0.3 | 26.1 | 191.6 | R 59.1 | R 250.7 |
| 1997 | 44.0 | 71.7 | 10.5 | 0.6 | 1.7 | 0.9 | 31.8 | 45.5 | 0.0 | 0.3 | 0.0 | 0.3 | 25.4 | 187.1 | R 57.1 | R 244.2 |
| 1998 | 56.7 | 76.4 | 12.7 | 0.9 | 1.3 | 0.6 | 32.6 | 48.1 | 0.0 | 0.2 | 0.0 | 0.3 | 25.6 | 207.3 | R 57.8 | R 265.0 |
| 1999 | 37.5 | 68.3 | 10.4 | 2.2 | 1.2 | 0.3 | 32.0 | 46.2 | 0.0 | 0.2 | 0.0 | 0.3 | 25.8 | 178.3 | R 58.7 | R 237.0 |
| 2000 | 54.1 | 67.3 | 10.1 | 3.9 | 1.3 | 0.3 | 30.3 | 45.8 | 0.0 | 0.2 | 0.0 | 0.4 | 27.0 | 194.8 | R 61.1 | R 255.9 |
| 2001 | 44.0 | 56.4 | 10.5 | 2.7 | 2.6 | 0.0 | 29.5 | 45.3 | 0.0 | 0.3 | 0.0 | 0.4 | 25.3 | 171.7 | R 56.0 | R 227.7 |
| 2002 | 13.6 | 51.5 | 10.6 | 1.8 | 2.7 | 0.5 | 23.9 | 39.5 | 0.0 | 0.2 | 0.0 | 0.4 | 24.0 | 129.2 | R 53.1 | R 182.2 |
| 2003 | 14.2 | 49.2 | 14.0 | 0.2 | 2.9 | 0.7 | 37.6 | 55.3 | 0.0 | 0.2 | 0.0 | 0.3 | 26.1 | 145.2 | R 57.2 | R 202.4 |
| 2004 | 28.0 | 48.4 | 12.2 | 0.3 | 3.1 | 1.1 | 32.4 | 49.1 | 0.0 | 0.2 | 0.0 | 0.3 | 26.7 | 152.7 | R 58.7 | R 211.3 |
| 2005 | 33.0 | 49.0 | 18.9 | 1.1 | 3.1 | 1.4 | 32.1 | 56.6 | 0.0 | 0.2 | 0.0 | 0.4 | 27.3 | 166.4 | R 59.3 | R 225.7 |
| 2006 | 15.7 | 56.1 | 21.5 | 1.4 | 3.2 | 1.5 | R 29.3 | R 56.9 | 0.0 | R 0.4 | 0.0 | 0.4 | 28.5 | R 157.9 | R 61.3 | R 219.2 |
| 2007 | 20.8 | 59.6 | 15.4 | 1.6 | 2.7 | 1.9 | R 27.1 | R 48.9 | 0.0 | R 0.4 | 0.0 | 0.4 | 29.9 | R 159.9 | R 64.1 | R 224.0 |
| 2008 | 19.8 | 56.8 | R 16.0 | 0.7 | 2.5 | 2.9 | R 26.8 | R 48.8 | 0.0 | R 0.4 | 0.0 | 0.5 | 31.0 | R 157.3 | R 66.4 | R 223.7 |
| 2009 | 16.1 | 54.0 | 10.4 | 0.5 | 2.5 | 0.8 | 25.4 | 39.6 | 0.0 | 0.4 | 0.0 | 0.4 | 29.3 | 139.8 | 61.7 | 201.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 45 | (s) | 595 | 2,312 | 1,003 | 35 | 152 | 7,232 | 370 | 11,698 | 0 | – – | – – | – – |
| 1965 | 8 | (s) | 383 | 2,569 | 1,244 | 12 | 151 | 8,534 | 98 | 12,991 | 0 | – – | – – | – – |
| 1970 | 4 | (s) | 178 | 2,870 | 1,808 | 6 | 161 | 11,845 | 25 | 16,893 | 0 | – – | – – | – – |
| 1975 | (s) | (s) | 161 | 4,141 | 1,903 | 11 | 158 | 14,586 | 68 | 21,028 | 0 | – – | – – | – – |
| 1980 | 0 | 1 | 139 | 4,974 | 2,637 | 14 | 194 | 15,288 | 0 | 23,245 | 0 | – – | – – | – – |
| 1985 | 0 | 1 | 94 | 4,121 | 3,808 | 76 | 176 | 15,932 | 0 | 24,207 | 0 | – – | – – | – – |
| 1990 | 0 | 1 | 106 | 5,056 | 5,281 | 51 | 198 | 16,430 | 48 | 27,169 | 0 | – – | – – | – – |
| 1995 | 0 | 3 | 64 | 6,566 | 5,658 | 32 | 189 | 20,428 | 0 | 32,936 | 0 | – – | – – | – – |
| 1996 | 0 | 4 | 52 | 6,878 | 6,303 | 25 | 184 | 20,818 | 0 | 34,260 | 0 | – – | – – | – – |
| 1997 | 0 | 3 | 61 | 7,621 | 6,279 | 16 | 194 | 21,670 | 0 | 35,840 | 0 | – – | – – | – – |
| 1998 | 0 | 3 | 51 | 7,549 | 6,379 | 2 | 203 | 22,466 | 0 | 36,649 | 0 | – – | – – | – – |
| 1999 | 0 | 3 | 73 | 7,283 | 7,443 | 34 | 205 | 22,884 | 0 | 37,923 | 1 | – – | – – | – – |
| 2000 | 0 | 4 | 84 | 8,353 | 7,701 | 43 | 202 | 23,633 | 0 | 40,015 | 8 | – – | – – | – – |
| 2001 | 0 | 5 | 76 | 8,537 | 6,880 | 56 | 185 | 22,470 | 0 | 38,204 | 10 | – – | – – | – – |
| 2002 | 0 | 6 | 69 | 8,926 | 6,416 | 47 | 183 | 23,618 | 0 | 39,259 | 16 | – – | – – | – – |
| 2003 | 0 | 8 | 60 | 8,675 | 6,758 | 24 | 169 | 23,751 | 0 | 39,438 | 25 | – – | – – | – – |
| 2004 | 0 | 9 | 78 | 9,535 | 7,137 | 48 | 171 | 24,129 | 0 | 41,100 | 25 | – – | – – | – – |
| 2005 | 0 | 9 | 107 | 10,021 | 7,394 | 47 | 170 | 24,067 | 0 | 41,806 | 28 | – – | – – | – – |
| 2006 | 0 | 11 | 110 | 13,018 | 7,560 | 64 | 166 | 24,676 | 0 | 45,593 | 29 | – – | – – | – – |
| 2007 | 0 | 12 | 78 | 12,745 | 7,085 | 39 | 171 | 25,505 | 0 | 45,624 | 34 | – – | – – | – – |
| 2008 | 0 | 12 | 110 | R 11,661 | 6,509 | R 63 | 159 | 24,541 | 0 | R 43,043 | 33 | – – | – – | – – |
| 2009 | 0 | 10 | 138 | 10,558 | 5,751 | 36 | 143 | 24,640 | 0 | 41,268 | 32 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 1.2 | 0.1 | 3.0 | 13.5 | 5.4 | 0.1 | 0.9 | 38.0 | 2.3 | 63.2 | 0.0 | 64.5 | 0.0 | 64.5 |
| 1965 | 0.2 | 0.4 | 1.9 | 15.0 | 6.8 | (s) | 0.9 | 44.8 | 0.6 | 70.1 | 0.0 | 70.6 | 0.0 | 70.6 |
| 1970 | 0.1 | 0.5 | 0.9 | 16.7 | 10.0 | (s) | 1.0 | 62.2 | 0.2 | 91.0 | 0.0 | 91.5 | 0.0 | 91.5 |
| 1975 | (s) | 0.3 | 0.8 | 24.1 | 10.6 | (s) | 1.0 | 76.6 | 0.4 | 113.6 | 0.0 | 113.8 | 0.0 | 113.8 |
| 1980 | 0.0 | 0.9 | 0.7 | 29.0 | 14.6 | 0.1 | 1.2 | 80.3 | 0.0 | 125.8 | 0.0 | 126.8 | 0.0 | 126.8 |
| 1985 | 0.0 | 1.3 | 0.5 | 24.0 | 21.3 | 0.3 | 1.1 | 83.7 | 0.0 | 130.8 | 0.0 | 132.1 | 0.0 | 132.1 |
| 1990 | 0.0 | 1.0 | 0.5 | 29.4 | 29.7 | 0.2 | 1.2 | 86.3 | 0.3 | 147.7 | 0.0 | 148.7 | 0.0 | 148.7 |
| 1995 | 0.0 | 3.3 | 0.3 | 38.2 | 31.8 | 0.1 | 1.1 | 106.5 | 0.0 | 178.2 | 0.0 | 181.5 | 0.0 | 181.5 |
| 1996 | 0.0 | 4.1 | 0.3 | 40.1 | 35.7 | 0.1 | 1.1 | 108.6 | 0.0 | 185.8 | 0.0 | 190.0 | 0.0 | 190.0 |
| 1997 | 0.0 | 3.3 | 0.3 | 44.4 | 35.6 | 0.1 | 1.2 | 113.0 | 0.0 | 194.5 | 0.0 | 197.8 | 0.0 | 197.8 |
| 1998 | 0.0 | 3.6 | 0.3 | 44.0 | 36.2 | (s) | 1.2 | 117.1 | 0.0 | 198.7 | 0.0 | 202.3 | 0.0 | 202.3 |
| 1999 | 0.0 | 3.6 | 0.4 | 42.4 | 42.2 | 0.1 | 1.2 | 119.2 | 0.0 | 205.6 | (s) | 209.3 | (s) | 209.3 |
| 2000 | 0.0 | 3.7 | 0.4 | 48.7 | 43.7 | 0.2 | 1.2 | 123.1 | 0.0 | 217.2 | (s) | 221.0 | 0.1 | 221.0 |
| 2001 | 0.0 | 4.9 | 0.4 | 49.7 | 39.0 | 0.2 | 1.1 | 117.1 | 0.0 | 207.5 | (s) | 212.4 | 0.1 | 212.5 |
| 2002 | 0.0 | 6.9 | 0.3 | 52.0 | 36.4 | 0.2 | 1.1 | 123.0 | 0.0 | 213.0 | 0.1 | 219.9 | 0.1 | 220.0 |
| 2003 | 0.0 | 8.5 | 0.3 | 50.5 | 38.3 | 0.1 | 1.0 | 123.7 | 0.0 | 213.9 | 0.1 | 222.5 | 0.2 | 222.7 |
| 2004 | 0.0 | 9.4 | 0.4 | 55.5 | 40.5 | 0.2 | 1.0 | 125.8 | 0.0 | 223.5 | 0.1 | 233.0 | 0.2 | 233.2 |
| 2005 | 0.0 | 9.5 | 0.5 | 58.4 | 41.9 | 0.2 | 1.0 | 125.6 | 0.0 | 227.6 | 0.1 | 237.2 | 0.2 | R 237.4 |
| 2006 | 0.0 | 12.0 | 0.6 | 75.8 | 42.9 | 0.2 | 1.0 | 128.8 | 0.0 | 249.2 | 0.1 | 261.3 | 0.2 | 261.5 |
| 2007 | 0.0 | 12.9 | 0.4 | 74.2 | 40.2 | 0.1 | 1.0 | 133.1 | 0.0 | 249.1 | 0.1 | 262.2 | 0.2 | 262.4 |
| 2008 | 0.0 | 12.5 | 0.6 | R 67.9 | 36.9 | 0.2 | 1.0 | 128.1 | 0.0 | R 234.6 | 0.1 | R 247.2 | 0.2 | R 247.5 |
| 2009 | 0.0 | 10.9 | 0.7 | 61.5 | 32.6 | 0.1 | 0.9 | 128.6 | 0.0 | 224.4 | 0.1 | 235.4 | 0.2 | 235.6 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Utah

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 515 | 4 | 2,291 | 12 | 0 | 2,302 | 0 | 304 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 363 | 5 | 1,597 | 8 | 0 | 1,605 | 0 | 910 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 435 | 4 | 1,768 | 9 | 0 | 1,777 | 0 | 738 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 2,026 | 3 | 152 | 10 | 0 | 162 | 0 | 1,074 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 4,895 | 5 | 58 | 67 | 0 | 126 | 0 | 821 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 6,325 | (s) | 25 | 55 | 0 | 80 | 0 | 1,019 | – – | 110 | 0 | 0 | 0 | – – |
| 1990 | 13,563 | 1 | 0 | 84 | 0 | 84 | 0 | 508 | – – | 152 | 0 | 0 | 0 | – – |
| 1995 | 13,693 | 9 | 0 | 66 | 0 | 66 | 0 | 969 | – – | 140 | 0 | 0 | 0 | – – |
| 1996 | 13,963 | 4 | 0 | 59 | 0 | 59 | 0 | 1,049 | – – | 192 | 0 | 0 | 0 | – – |
| 1997 | 14,654 | 4 | 0 | 58 | 0 | 58 | 0 | 1,344 | – – | 169 | 0 | 0 | 28 | – – |
| 1998 | 15,094 | 6 | 0 | 66 | 0 | 66 | 0 | 1,315 | – – | 160 | 0 | 0 | 2 | – – |
| 1999 | 15,011 | 6 | 0 | 55 | 0 | 55 | 0 | 1,255 | – – | 156 | 0 | 0 | 0 | – – |
| 2000 | 15,164 | 11 | 0 | 101 | 0 | 101 | 0 | 746 | – – | 152 | 0 | 0 | 0 | – – |
| 2001 | 14,906 | 15 | 0 | 110 | 0 | 110 | 0 | 508 | – – | 153 | 0 | 0 | 0 | – – |
| 2002 | 15,644 | 15 | 0 | 96 | 0 | 96 | 0 | 458 | – – | 218 | 0 | 0 | 9 | – – |
| 2003 | 16,302 | 14 | 0 | 61 | 0 | 61 | 0 | 421 | – – | 198 | 0 | 0 | 6 | – – |
| 2004 | 16,606 | 9 | 0 | 60 | 0 | 60 | 0 | 450 | – – | 195 | 0 | 0 | 15 | – – |
| 2005 | 17,118 | 12 | 0 | 74 | 0 | 74 | 0 | 784 | – – | 185 | 0 | 0 | 40 | – – |
| 2006 | 16,609 | 29 | 0 | 126 | 0 | 126 | 0 | 747 | – – | 191 | 0 | 0 | 14 | – – |
| 2007 | 16,593 | 56 | 0 | 73 | 0 | 73 | 0 | 539 | – – | 164 | 0 | 0 | -16 | – – |
| 2008 | 16,927 | 55 | 0 | 78 | 0 | 78 | 0 | 668 | – – | 254 | 0 | 24 | -42 | – – |
| 2009 | 15,925 | 50 | 0 | 63 | 0 | 63 | 0 | 835 | – – | 279 | 0 | 160 | -35 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 12.8 | 3.8 | 14.4 | 0.1 | 0.0 | 14.5 | 0.0 | 3.3 | 0.0 | 0.0 | NA | NA | 0.0 | 34.4 |
| 1965 | 9.1 | 4.4 | 10.0 | (s) | 0.0 | 10.1 | 0.0 | 9.5 | 0.0 | 0.0 | NA | NA | 0.0 | 33.1 |
| 1970 | 10.8 | 3.3 | 11.1 | 0.1 | 0.0 | 11.2 | 0.0 | 7.7 | 0.0 | 0.0 | NA | NA | 0.0 | 33.0 |
| 1975 | 47.9 | 2.9 | 1.0 | 0.1 | 0.0 | 1.0 | 0.0 | 11.2 | 0.0 | 0.0 | NA | NA | 0.0 | 63.0 |
| 1980 | 112.1 | 4.9 | 0.4 | 0.4 | 0.0 | 0.8 | 0.0 | 8.5 | 0.0 | 0.0 | NA | NA | 0.0 | 126.3 |
| 1985 | 149.3 | 0.3 | 0.2 | 0.3 | 0.0 | 0.5 | 0.0 | 10.6 | 0.0 | R 1.1 | 0.0 | 0.0 | 0.0 | R 161.8 |
| 1990 | 312.0 | 0.9 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 5.3 | 0.0 | R 1.6 | 0.0 | 0.0 | 0.0 | R 320.3 |
| 1995 | 312.1 | 9.1 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | R 1.4 | 0.0 | 0.0 | 0.0 | R 333.0 |
| 1996 | 317.8 | 4.2 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 10.8 | 0.0 | R 2.0 | 0.0 | 0.0 | 0.0 | R 335.2 |
| 1997 | 328.3 | 4.2 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 13.7 | 0.0 | R 1.7 | 0.0 | 0.0 | 0.1 | R 348.3 |
| 1998 | 336.8 | 6.2 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 13.4 | 0.0 | R 1.6 | 0.0 | 0.0 | (s) | R 358.4 |
| 1999 | 343.9 | 6.7 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 12.8 | 1.4 | R 1.6 | 0.0 | 0.0 | 0.0 | R 366.7 |
| 2000 | 347.6 | 11.0 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 7.6 | 1.4 | R 1.5 | 0.0 | 0.0 | 0.0 | R 369.8 |
| 2001 | 339.1 | 15.8 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 5.3 | 0.8 | R 1.6 | 0.0 | 0.0 | 0.0 | R 363.1 |
| 2002 | 352.3 | 15.5 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 4.7 | 0.8 | R 2.2 | 0.0 | 0.0 | (s) | R 376.0 |
| 2003 | 363.6 | 14.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 4.3 | 0.7 | R 2.0 | 0.0 | 0.0 | (s) | R 385.6 |
| 2004 | 366.7 | 9.4 | 0.0 | 0.3 | 0.0 | 0.3 | 0.0 | 4.5 | 0.8 | R 2.0 | 0.0 | 0.0 | 0.1 | R 383.7 |
| 2005 | 371.5 | 12.8 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 7.8 | 0.8 | R 1.8 | 0.0 | 0.0 | 0.1 | R 395.3 |
| 2006 | 366.2 | 30.4 | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 7.4 | 0.8 | R 1.9 | 0.0 | 0.0 | (s) | R 407.4 |
| 2007 | 370.1 | 58.7 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 5.3 | 0.6 | R 1.6 | 0.0 | 0.0 | -0.1 | R 436.8 |
| 2008 | 376.1 | 58.1 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 6.6 | 1.0 | R 2.5 | 0.0 | 0.2 | -0.1 | R 444.8 |
| 2009 | 348.9 | 51.8 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 8.2 | 1.1 | 2.7 | 0.0 | 1.6 | -0.1 | 414.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 137 | 0 | 2,958 | 82 | 404 | 3,332 | 478 | 1,178 | 8,431 | 0 | 873 | NA |
| 1965 | 105 | 0 | 4,285 | 79 | 450 | 3,789 | 910 | 1,059 | 10,572 | 0 | 714 | NA |
| 1970 | 87 | 3 | 5,741 | 121 | 542 | 5,077 | 905 | 898 | 13,285 | 0 | 786 | NA |
| 1971 | 79 | 3 | 5,391 | 112 | 590 | 5,331 | 916 | 944 | 13,285 | 0 | 742 | NA |
| 1972 | 56 | 4 | 5,674 | 255 | 699 | 5,677 | 944 | 778 | 14,026 | 169 | 942 | NA |
| 1973 | 59 | 4 | 6,047 | 219 | 685 | 5,763 | 870 | 711 | 14,295 | 1,598 | 1,059 | NA |
| 1974 | 60 | 5 | 5,071 | 204 | 703 | 5,626 | 526 | 643 | 12,772 | 2,483 | 991 | NA |
| 1975 | 31 | 4 | 4,642 | 177 | 833 | 5,698 | 796 | 502 | 12,647 | 3,561 | 938 | NA |
| 1976 | 24 | 4 | 5,470 | 142 | 946 | 6,013 | 1,250 | 579 | 14,400 | 3,260 | 1,090 | NA |
| 1977 | 29 | 4 | 5,360 | 137 | 946 | 6,125 | 1,142 | 542 | 14,252 | 3,538 | 958 | NA |
| 1978 | 19 | 4 | 5,280 | 134 | 1,199 | 6,309 | 979 | 515 | 14,416 | 3,241 | 874 | NA |
| 1979 | 24 | 4 | 5,486 | 172 | 541 | 5,830 | 347 | 633 | 13,008 | 3,449 | 930 | NA |
| 1980 | 22 | 4 | 4,095 | 155 | 666 | 5,437 | 471 | 506 | 11,331 | 2,979 | 813 | NA |
| 1981 | 42 | 4 | 3,819 | 82 | 626 | 5,506 | 348 | 430 | 10,811 | 3,569 | 1,003 | 0 |
| 1982 | 50 | 4 | 2,699 | 91 | 862 | 5,529 | 359 | 407 | 9,946 | 4,174 | 846 | 0 |
| 1983 | 46 | 4 | 3,439 | 106 | 866 | 5,579 | 318 | 482 | 10,791 | 2,870 | 1,006 | 0 |
| 1984 | 55 | 5 | 4,085 | 173 | 646 | 5,821 | 434 | 872 | 12,031 | 3,336 | 949 | 0 |
| 1985 | 80 | 5 | 4,583 | 201 | 791 | 5,813 | 122 | 1,065 | 12,574 | 2,999 | 922 | 0 |
| 1986 | 26 | 5 | 4,289 | 133 | 867 | 5,966 | 471 | 967 | 12,693 | 2,058 | 1,044 | 0 |
| 1987 | 12 | 5 | 4,817 | 181 | 1,101 | 6,530 | 338 | 983 | 13,950 | 3,536 | 995 | 0 |
| 1988 | 11 | 6 | 5,144 | 143 | 1,157 | 6,797 | 238 | 1,022 | 14,500 | 4,114 | 879 | 0 |
| 1989 | 9 | 6 | 4,969 | 220 | 1,504 | 6,554 | 191 | 986 | 14,424 | 3,607 | 1,047 | 0 |
| 1990 | 8 | 7 | 4,566 | 180 | 1,401 | 6,696 | 237 | 419 | 13,499 | 3,616 | 1,365 | 0 |
| 1991 | 12 | 7 | 4,762 | 162 | 1,634 | 6,772 | 264 | 878 | 14,472 | 4,108 | 1,053 | 0 |
| 1992 | 20 | 8 | 5,532 | 116 | 1,912 | 6,879 | 277 | 643 | 15,359 | 3,735 | 921 | 0 |
| 1993 | 6 | 7 | 5,539 | 124 | 1,641 | 7,096 | 474 | 384 | 15,259 | 3,372 | 981 | 0 |
| 1994 | 5 | 7 | 5,358 | 138 | 1,663 | 7,154 | 281 | 522 | 15,117 | 4,316 | 1,039 | 0 |
| 1995 | 3 | 7 | 5,361 | 127 | 1,673 | 7,211 | 215 | 535 | 15,121 | 3,859 | 973 | 0 |
| 1996 | 2 | 7 | 5,732 | 99 | 1,834 | 7,331 | 282 | 603 | 15,882 | 3,799 | 1,231 | 0 |
| 1997 | 110 | 8 | 5,344 | 106 | 1,540 | 7,606 | 323 | 1,153 | 16,073 | 4,267 | 1,067 | 0 |
| 1998 | 2 | 8 | 5,215 | 121 | 1,777 | 7,510 | 274 | 752 | 15,650 | 3,358 | 1,194 | 0 |
| 1999 | 82 | 8 | 5,441 | 143 | 1,617 | 7,699 | 220 | 612 | 15,732 | 4,059 | 1,196 | 0 |
| 2000 | 1 | 10 | 5,276 | 144 | 1,769 | 8,394 | 309 | 721 | 16,613 | 4,548 | 1,221 | 0 |
| 2001 | 2 | 8 | 5,371 | 120 | 2,425 | 8,021 | 241 | 806 | 16,984 | 4,171 | 884 | 0 |
| 2002 | 1 | 8 | 4,866 | 65 | 2,352 | 8,164 | 253 | 466 | 16,166 | 3,963 | 1,115 | 0 |
| 2003 | 1 | 8 | 5,251 | 68 | 1,867 | 8,304 | 292 | 530 | 16,311 | 4,444 | 1,154 | 0 |
| 2004 | 1 | 9 | 5,861 | 309 | 1,987 | 8,407 | 297 | 1,037 | 17,899 | 3,858 | 1,187 | 0 |
| 2005 | 1 | 8 | 5,194 | 423 | 2,234 | 8,408 | 300 | 693 | 17,251 | 4,072 | 1,211 | 48 |
| 2006 | 1 | 8 | 5,085 | 376 | 2,288 | 8,406 | 260 | 591 | 17,006 | 5,107 | 1,519 | 68 |
| 2007 | 1 | 9 | 4,917 | 317 | 2,152 | 8,354 | 238 | 689 | 16,668 | 4,704 | 647 | 98 |
| 2008 | 0 | 9 | R 4,677 | 266 | 2,263 | 7,987 | 234 | 247 | R 15,675 | 4,895 | 1,493 | 510 |
| 2009 | 0 | 9 | 4,930 | 512 | 2,423 | 7,986 | 201 | 285 | 16,337 | 5,361 | 1,486 | 749 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Vermont
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 3.5 | 0.0 | 17.2 | 0.4 | 1.6 | 17.5 | 3.0 | 6.9 | 46.7 | 50.2 | *0.0* | *17.5* |
| 1965 | 2.7 | 0.0 | 25.0 | 0.4 | 1.8 | 19.9 | 5.7 | 6.2 | 59.0 | 61.7 | *0.0* | *19.9* |
| 1970 | 2.1 | 2.7 | 33.4 | 0.7 | 2.0 | 26.7 | 5.7 | 5.4 | 73.9 | 78.7 | *2.7* | *26.7* |
| 1971 | 1.9 | 3.1 | 31.4 | 0.6 | 2.2 | 28.0 | 5.8 | 5.6 | 73.7 | 78.7 | *3.1* | *28.0* |
| 1972 | 1.4 | 3.8 | 33.1 | 1.4 | 2.6 | 29.8 | 5.9 | 4.5 | 77.4 | 82.6 | *3.8* | *29.8* |
| 1973 | 1.5 | 4.2 | 35.2 | 1.2 | 2.6 | 30.3 | 5.5 | 4.1 | 78.9 | 84.6 | *4.2* | *30.3* |
| 1974 | 1.5 | 4.8 | 29.5 | 1.1 | 2.6 | 29.6 | 3.3 | 3.7 | 69.9 | 76.2 | *4.8* | *29.6* |
| 1975 | 0.7 | 4.0 | 27.0 | 1.0 | 3.1 | 29.9 | 5.0 | 2.9 | 68.9 | 73.7 | *4.0* | *29.9* |
| 1976 | 0.6 | 3.7 | 31.9 | 0.8 | 3.5 | 31.6 | 7.9 | 3.3 | 78.9 | 83.2 | *3.7* | *31.6* |
| 1977 | 0.7 | 4.0 | 31.2 | 0.8 | 3.5 | 32.2 | 7.2 | 3.1 | 77.9 | 82.7 | *4.0* | *32.2* |
| 1978 | 0.5 | 3.8 | 30.8 | 0.7 | 4.4 | 33.1 | 6.2 | 2.9 | 78.1 | 82.4 | *3.8* | *33.1* |
| 1979 | 0.6 | 4.4 | 32.0 | 1.0 | 2.0 | 30.6 | 2.2 | 3.7 | 71.4 | 76.4 | *4.4* | *30.6* |
| 1980 | 0.5 | 4.0 | 23.9 | 0.9 | 2.4 | 28.6 | 3.0 | 2.9 | 61.6 | 66.1 | *4.0* | *28.6* |
| 1981 | 1.0 | 4.4 | 22.2 | 0.5 | 2.3 | 28.9 | 2.2 | 2.5 | 58.6 | 64.0 | *4.4* | *28.9* |
| 1982 | 1.3 | 4.3 | 15.7 | 0.5 | 3.1 | 29.0 | 2.3 | 2.4 | 53.0 | 58.6 | *4.3* | *29.0* |
| 1983 | 1.2 | 4.3 | 20.0 | 0.6 | 3.1 | 29.3 | 2.0 | 2.8 | 57.8 | 63.3 | *4.3* | *29.3* |
| 1984 | 1.4 | 4.8 | 23.8 | 1.0 | 2.3 | 30.6 | 2.7 | 5.2 | 65.6 | 71.8 | *4.8* | *30.6* |
| 1985 | 2.0 | 5.0 | 26.7 | 1.1 | 2.8 | 30.5 | 0.8 | 6.4 | 68.3 | 75.3 | *5.0* | *30.5* |
| 1986 | 0.7 | 5.0 | 25.0 | 0.7 | 3.2 | 31.3 | 3.0 | 5.9 | 69.1 | 74.7 | *5.0* | *31.3* |
| 1987 | 0.3 | 5.1 | 28.1 | 1.0 | 4.0 | 34.3 | 2.1 | 6.0 | 75.6 | 81.0 | *5.1* | *34.3* |
| 1988 | 0.3 | 5.5 | 30.0 | 0.8 | 4.2 | 35.7 | 1.5 | 6.2 | 78.4 | 84.1 | *5.5* | *35.7* |
| 1989 | 0.2 | 6.1 | 28.9 | 1.2 | 5.5 | 34.4 | 1.2 | 6.0 | 77.4 | 83.7 | *6.1* | *34.4* |
| 1990 | 0.2 | 6.7 | 26.6 | 1.0 | 5.1 | 35.2 | 1.5 | 2.4 | 71.7 | 78.6 | *6.7* | *35.2* |
| 1991 | 0.3 | 7.0 | 27.7 | 0.9 | 5.9 | 35.6 | 1.7 | 5.5 | 77.3 | 84.6 | *7.0* | *35.6* |
| 1992 | 0.5 | 7.6 | 32.2 | 0.6 | 6.9 | 36.1 | 1.7 | 4.0 | 81.7 | 89.7 | *7.6* | *36.1* |
| 1993 | 0.1 | 7.2 | 32.3 | 0.7 | 5.9 | 37.3 | 3.0 | 2.2 | 81.4 | 88.7 | *7.2* | *37.3* |
| 1994 | 0.1 | 7.3 | 31.2 | 0.8 | 6.0 | 37.4 | 1.8 | 3.2 | 80.4 | 87.8 | *7.3* | *37.4* |
| 1995 | 0.1 | 7.3 | 31.2 | 0.7 | 6.1 | 37.6 | 1.4 | 3.3 | 80.3 | 87.6 | *7.3* | *37.6* |
| 1996 | (s) | 7.5 | 33.4 | 0.6 | 6.6 | 38.2 | 1.8 | 3.7 | 84.3 | 91.8 | *7.5* | *38.2* |
| 1997 | 2.7 | 8.3 | 31.1 | 0.6 | 5.6 | 39.7 | 2.0 | 7.3 | 86.3 | 97.3 | *8.3* | *39.7* |
| 1998 | 0.1 | 7.8 | 30.4 | 0.7 | 6.4 | 39.1 | 1.7 | 4.4 | 82.8 | 90.7 | *7.8* | *39.1* |
| 1999 | 2.0 | 8.1 | 31.7 | 0.8 | 5.8 | 40.1 | 1.4 | 3.7 | 83.5 | 93.7 | *8.1* | *40.1* |
| 2000 | (s) | 10.5 | 30.7 | 0.8 | 6.4 | 43.7 | 1.9 | 4.2 | 87.9 | 98.4 | *10.6* | *43.7* |
| 2001 | 0.1 | 7.9 | 31.3 | 0.7 | 8.8 | 41.8 | 1.5 | 4.9 | 88.9 | 96.9 | *8.0* | *41.8* |
| 2002 | (s) | 8.4 | 28.3 | 0.4 | 8.5 | 42.5 | 1.6 | 2.8 | 84.1 | 92.6 | *8.4* | *42.5* |
| 2003 | (s) | 8.4 | 30.6 | 0.4 | 6.8 | 43.2 | 1.8 | 3.1 | 85.9 | 94.4 | *8.5* | *43.2* |
| 2004 | (s) | 8.7 | 34.1 | 1.8 | 7.2 | 43.8 | 1.9 | 6.3 | 95.1 | 103.9 | *8.7* | *43.8* |
| 2005 | (s) | 8.4 | 30.3 | 2.4 | 8.1 | 43.7 | 1.9 | 4.1 | 90.4 | 98.8 | *8.4* | *43.9* |
| 2006 | (s) | 8.1 | 29.6 | 2.1 | 8.2 | 43.6 | 1.6 | 3.5 | 88.7 | 96.8 | *8.1* | *43.9* |
| 2007 | (s) | 8.9 | 28.6 | 1.8 | 7.7 | 43.3 | 1.5 | 4.2 | 87.2 | 96.1 | *8.9* | *43.6* |
| 2008 | 0.0 | 8.7 | R 27.2 | 1.5 | 8.1 | 39.9 | 1.5 | 1.5 | R 79.7 | R 88.4 | *8.7* | *41.7* |
| 2009 | 0.0 | 8.7 | 28.7 | 2.9 | 8.6 | 39.1 | 1.3 | 1.7 | 82.2 | 90.9 | *8.7* | *41.7* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Vermont (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 9.4 | 7.9 | NA | NA | 7.9 | 0.0 | NA | NA | 17.3 | 0.9 | 0.2 | 68.6 |
| 1965 | 0.0 | 7.5 | 6.9 | NA | NA | 6.9 | 0.0 | NA | NA | 14.4 | 6.9 | 0.1 | 83.2 |
| 1970 | 0.0 | 8.2 | 6.5 | NA | NA | 6.5 | 0.0 | NA | NA | 14.7 | 19.6 | 0.2 | 113.2 |
| 1971 | 0.0 | 7.8 | 6.8 | NA | NA | 6.8 | 0.0 | NA | NA | 14.6 | 23.5 | 0.2 | 117.0 |
| 1972 | 1.8 | 9.8 | 6.2 | NA | NA | 6.2 | 0.0 | NA | NA | 16.0 | 23.3 | 0.3 | 123.9 |
| 1973 | 17.4 | 11.0 | 6.1 | NA | NA | 6.1 | 0.0 | NA | NA | 17.1 | 7.1 | 0.2 | 126.4 |
| 1974 | 27.7 | 10.4 | 5.8 | NA | NA | 5.8 | 0.0 | NA | NA | 16.1 | R -3.5 | 0.3 | 116.8 |
| 1975 | 39.2 | 9.8 | 6.6 | NA | NA | 6.6 | 0.0 | NA | NA | 16.4 | R -15.2 | 0.3 | R 114.3 |
| 1976 | 36.0 | 11.3 | 8.0 | NA | NA | 8.0 | 0.0 | NA | NA | 19.3 | -7.0 | 0.2 | R 131.7 |
| 1977 | 38.1 | 10.0 | 9.4 | NA | NA | 9.4 | 0.0 | NA | NA | 19.4 | R -11.2 | 0.3 | 129.3 |
| 1978 | 35.5 | 9.1 | 11.4 | NA | NA | 11.4 | 0.0 | NA | NA | 20.5 | R -4.4 | 0.4 | R 134.4 |
| 1979 | 37.5 | 9.6 | 12.7 | NA | NA | 12.7 | 0.0 | NA | NA | 22.3 | R -5.0 | 0.5 | R 131.7 |
| 1980 | 32.5 | 8.4 | 14.4 | NA | NA | 14.4 | 0.0 | NA | NA | 22.9 | R 3.7 | 0.6 | R 125.8 |
| 1981 | 39.4 | 10.5 | 14.3 | 0.0 | 0.0 | 14.3 | 0.0 | NA | NA | 24.8 | R -8.2 | 0.6 | R 120.6 |
| 1982 | 46.2 | 8.8 | 13.8 | 0.0 | 0.0 | 13.8 | 0.0 | NA | NA | 22.7 | R -13.1 | 0.7 | R 115.1 |
| 1983 | 31.3 | 10.6 | 16.0 | 0.0 | 0.0 | 16.0 | 0.0 | NA | 0.0 | 26.6 | R 1.3 | 0.7 | R 123.2 |
| 1984 | 36.2 | 9.9 | 16.1 | 0.0 | 0.0 | 16.1 | 0.0 | 0.0 | 0.0 | 26.0 | R -2.1 | 0.8 | R 132.7 |
| 1985 | 31.9 | 9.6 | 17.3 | 0.0 | 0.0 | 17.3 | 0.0 | 0.0 | 0.0 | 26.9 | R -0.7 | 1.1 | R 134.4 |
| 1986 | 21.8 | 10.9 | 13.0 | 0.0 | 0.0 | 13.0 | 0.0 | 0.0 | 0.0 | 23.9 | R 2.1 | 5.7 | R 128.1 |
| 1987 | 36.9 | 10.4 | 12.8 | 0.0 | 0.0 | 12.8 | 0.0 | 0.0 | 0.0 | 23.1 | R -11.5 | 7.8 | R 137.4 |
| 1988 | 43.6 | 9.1 | 12.6 | 0.0 | 0.0 | 12.6 | 0.0 | 0.0 | 0.0 | 21.7 | R -14.6 | 9.6 | R 144.4 |
| 1989 | 38.2 | 10.9 | 9.1 | 0.0 | 0.0 | 9.1 | 0.0 | (s) | 0.0 | 20.0 | R -6.2 | 6.7 | R 142.3 |
| 1990 | 38.3 | 14.2 | 5.3 | 0.0 | 0.0 | 5.3 | 0.0 | (s) | 0.0 | 19.5 | R -6.8 | 5.8 | R 135.4 |
| 1991 | 43.1 | 11.0 | 6.3 | 0.0 | 0.0 | 6.3 | 0.0 | (s) | 0.0 | 17.3 | R -9.4 | 5.8 | R 141.3 |
| 1992 | 39.1 | 9.5 | 6.5 | 0.0 | 0.0 | 6.5 | 0.0 | (s) | 0.0 | 16.0 | R -2.8 | 7.1 | R 149.1 |
| 1993 | 35.4 | 10.1 | 8.1 | 0.0 | 0.0 | 8.1 | 0.0 | (s) | 0.0 | 18.2 | R -1.5 | 8.9 | R 149.7 |
| 1994 | 45.1 | 10.7 | 8.3 | 0.0 | 0.0 | 8.3 | 0.0 | (s) | 0.0 | 19.1 | R -13.3 | 10.4 | R 149.1 |
| 1995 | 40.5 | 10.0 | 9.1 | 0.0 | 0.0 | 9.1 | 0.0 | (s) | 0.0 | 19.2 | R -11.0 | 13.5 | R 149.8 |
| 1996 | 39.9 | 12.7 | 9.1 | 0.0 | 0.0 | 9.1 | 0.0 | (s) | 0.0 | 21.9 | R -9.9 | 12.0 | R 155.7 |
| 1997 | 44.8 | 10.9 | 9.0 | 0.0 | 0.0 | 9.0 | 0.0 | (s) | 0.0 | 19.9 | R -14.2 | 13.6 | R 161.4 |
| 1998 | 35.2 | 12.2 | 8.1 | 0.0 | 0.0 | 8.1 | 0.0 | (s) | 0.0 | 20.3 | R -5.3 | 13.2 | R 154.1 |
| 1999 | 42.4 | 12.2 | 8.4 | 0.0 | 0.0 | 8.4 | (s) | (s) | 0.1 | 20.8 | R -23.8 | 26.2 | R 159.3 |
| 2000 | 47.4 | 12.5 | 8.8 | 0.0 | 0.0 | 8.8 | (s) | (s) | 0.1 | 21.4 | R -16.3 | 13.4 | R 164.3 |
| 2001 | 43.6 | 9.1 | 8.0 | 0.0 | 0.0 | 8.0 | (s) | (s) | 0.1 | 17.3 | R -6.2 | 10.2 | R 161.8 |
| 2002 | 41.4 | 11.3 | 11.2 | 0.0 | 0.0 | 11.2 | (s) | (s) | 0.1 | 22.7 | R -7.8 | 8.3 | R 157.2 |
| 2003 | 46.3 | 11.8 | 12.2 | 0.0 | 0.0 | 12.2 | (s) | (s) | 0.1 | 24.2 | R -16.2 | 6.5 | R 155.3 |
| 2004 | 40.2 | 11.9 | 10.0 | 0.0 | 0.0 | 10.0 | (s) | (s) | 0.1 | 22.0 | R -3.9 | 6.6 | R 168.8 |
| 2005 | 42.5 | 12.1 | R 12.0 | 0.2 | 0.0 | R 12.2 | (s) | (s) | 0.1 | R 24.5 | R -3.4 | 7.2 | R 169.6 |
| 2006 | 53.3 | 15.1 | R 12.5 | 0.2 | 0.0 | R 12.7 | (s) | 0.1 | 0.1 | R 27.9 | R -20.2 | 8.3 | R 166.2 |
| 2007 | 49.3 | 6.4 | R 12.2 | 0.3 | 0.0 | R 12.5 | (s) | 0.1 | 0.1 | R 19.1 | R -7.5 | 8.5 | R 165.5 |
| 2008 | 51.2 | 14.7 | R 12.0 | 1.8 | 0.0 | R 13.7 | (s) | 0.1 | 0.1 | R 28.7 | R -18.5 | R 8.5 | R 158.3 |
| 2009 | 56.1 | 14.5 | 11.8 | 2.6 | 0.0 | 14.3 | (s) | 0.1 | 0.1 | 29.1 | -26.7 | 8.7 | 158.1 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 118 | 0 | 2,949 | 82 | 404 | 3,332 | 477 | 1,178 | 8,421 | 64 | – – | – – | – – | – – | 875 | – – | – – | – – |
| 1965 | 62 | 0 | 4,247 | 79 | 450 | 3,789 | 906 | 1,059 | 10,531 | 53 | – – | – – | – – | – – | 1,333 | – – | – – | – – |
| 1970 | 32 | 3 | 5,474 | 121 | 542 | 5,077 | 882 | 898 | 12,994 | 62 | – – | – – | – – | – – | 2,612 | – – | – – | – – |
| 1975 | 18 | 3 | 4,603 | 129 | 833 | 5,698 | 795 | 502 | 12,561 | 67 | – – | – – | – – | – – | 2,995 | – – | – – | – – |
| 1980 | 13 | 4 | 4,050 | 137 | 666 | 5,437 | 471 | 506 | 11,267 | 70 | – – | – – | – – | – – | 3,951 | – – | – – | – – |
| 1985 | 52 | 5 | 4,550 | 201 | 791 | 5,813 | 122 | 1,065 | 12,540 | 70 | – – | – – | – – | – – | 4,015 | – – | – – | – – |
| 1990 | 8 | 6 | 4,558 | 180 | 1,401 | 6,696 | 237 | 419 | 13,491 | 17 | – – | – – | – – | – – | 4,716 | – – | – – | – – |
| 1995 | 3 | 7 | 5,322 | 127 | 1,673 | 7,211 | 215 | 535 | 15,083 | 18 | – – | – – | – – | – – | 5,104 | – – | – – | – – |
| 2000 | 1 | 9 | 5,116 | 144 | 1,769 | 8,394 | 309 | 721 | 16,454 | 20 | – – | – – | – – | – – | 5,639 | – – | – – | – – |
| 2001 | 2 | 8 | 5,284 | 120 | 2,425 | 8,021 | 241 | 806 | 16,897 | 16 | – – | – – | – – | – – | 5,585 | – – | – – | – – |
| 2002 | 1 | 8 | 4,835 | 65 | 2,352 | 8,164 | 253 | 466 | 16,135 | 16 | – – | – – | – – | – – | 5,629 | – – | – – | – – |
| 2003 | 1 | 8 | 5,194 | 68 | 1,867 | 8,304 | 292 | 530 | 16,254 | 6 | – – | – – | – – | – – | 5,352 | – – | – – | – – |
| 2004 | 1 | 9 | 5,816 | 309 | 1,987 | 8,407 | 297 | 1,037 | 17,854 | 21 | – – | – – | – – | – – | 5,664 | – – | – – | – – |
| 2005 | 1 | 8 | 5,181 | 423 | 2,234 | 8,408 | 300 | 693 | 17,239 | 21 | – – | – – | – – | – – | 5,883 | – – | – – | – – |
| 2006 | 1 | 8 | 5,077 | 376 | 2,288 | 8,406 | 260 | 591 | 16,998 | 22 | – – | – – | – – | – – | 5,795 | – – | – – | – – |
| 2007 | 1 | 9 | 4,909 | 317 | 2,152 | 8,354 | 238 | 689 | 16,659 | 2 | – – | – – | – – | – – | 5,864 | – – | – – | – – |
| 2008 | 0 | 9 | 4,671 | 266 | 2,263 | 7,987 | 233 | 247 | 15,667 | 21 | – – | – – | – – | – – | 5,741 | – – | – – | – – |
| 2009 | 0 | 9 | 4,927 | 512 | 2,423 | 7,986 | 201 | 285 | 16,333 | 25 | – – | – – | – – | – – | 5,497 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 3.0 | 0.0 | 17.2 | 0.4 | 1.6 | 17.5 | 3.0 | 6.9 | 46.6 | 0.7 | 7.9 | NA | NA | NA | 3.0 | 61.2 | 7.4 | 68.6 |
| 1965 | 1.5 | 0.0 | 24.7 | 0.4 | 1.8 | 19.9 | 5.7 | 6.2 | 58.7 | 0.6 | 6.9 | NA | NA | NA | 4.5 | 72.3 | 10.9 | 83.2 |
| 1970 | 0.8 | 2.7 | 31.9 | 0.7 | 2.0 | 26.7 | 5.5 | 5.4 | 72.2 | 0.6 | 6.5 | NA | NA | NA | 8.9 | 91.7 | 21.6 | 113.2 |
| 1975 | 0.4 | 3.4 | 26.8 | 0.7 | 3.1 | 29.9 | 5.0 | 2.9 | 68.4 | 0.7 | 6.6 | NA | NA | NA | 10.2 | 89.8 | 24.5 | 114.3 |
| 1980 | 0.3 | 3.7 | 23.6 | 0.8 | 2.4 | 28.6 | 3.0 | 2.9 | 61.2 | 0.7 | 13.9 | NA | NA | NA | 13.5 | 93.4 | 32.4 | 125.8 |
| 1985 | 1.3 | 4.9 | 26.5 | 1.1 | 2.8 | 30.5 | 0.8 | 6.4 | 68.1 | 0.7 | 14.3 | 0.0 | NA | NA | 13.7 | 103.0 | 31.4 | 134.4 |
| 1990 | 0.2 | 6.0 | 26.6 | 1.0 | 5.1 | 35.2 | 1.5 | 2.4 | 71.7 | 0.2 | 4.3 | 0.0 | 0.0 | (s) | 16.1 | 98.5 | 36.9 | 135.4 |
| 1995 | 0.1 | 7.1 | 31.0 | 0.7 | 6.1 | 37.6 | 1.4 | 3.3 | 80.0 | 0.2 | 5.7 | 0.0 | 0.0 | (s) | 17.4 | 110.5 | 39.3 | 149.8 |
| 2000 | (s) | 9.5 | 29.8 | 0.8 | 6.4 | 43.7 | 1.9 | 4.2 | 86.9 | 0.2 | 4.9 | 0.0 | (s) | (s) | 19.2 | 120.8 | 43.5 | 164.3 |
| 2001 | 0.1 | 7.9 | 30.8 | 0.7 | 8.8 | 41.8 | 1.5 | 4.9 | 88.4 | 0.2 | 4.1 | 0.0 | (s) | (s) | 19.1 | 119.6 | 42.2 | 161.8 |
| 2002 | (s) | 8.4 | 28.2 | 0.4 | 8.5 | 42.5 | 1.6 | 2.8 | 84.0 | 0.2 | 2.8 | 0.0 | (s) | (s) | 19.2 | 114.6 | 42.6 | 157.2 |
| 2003 | (s) | 8.4 | 30.3 | 0.4 | 6.8 | 43.2 | 1.8 | 3.1 | 85.6 | 0.1 | 2.8 | 0.0 | (s) | (s) | 18.3 | 115.2 | 40.1 | 155.3 |
| 2004 | (s) | 8.7 | 33.9 | 1.8 | 7.2 | 43.8 | 1.9 | 6.3 | 94.9 | 0.2 | 3.2 | 0.0 | (s) | (s) | 19.3 | 126.3 | 42.5 | 168.8 |
| 2005 | (s) | 8.4 | 30.2 | 2.4 | 8.1 | 43.9 | 1.9 | 4.1 | 90.5 | 0.2 | 6.7 | 0.0 | (s) | (s) | 20.1 | 126.0 | 43.6 | 169.6 |
| 2006 | (s) | 8.0 | 29.6 | 2.1 | 8.2 | 43.9 | 1.6 | 3.5 | 88.9 | 0.2 | 6.6 | 0.0 | (s) | 0.1 | 19.8 | 123.7 | 42.5 | 166.2 |
| 2007 | (s) | 8.8 | 28.6 | 1.8 | 7.7 | 43.6 | 1.5 | 4.2 | 87.5 | (s) | 6.1 | 0.0 | (s) | 0.1 | 20.0 | 122.6 | 42.9 | 165.5 |
| 2008 | 0.0 | 8.6 | 27.2 | 1.5 | 8.1 | 41.7 | 1.5 | 1.5 | 81.5 | 0.2 | 6.3 | 0.0 | (s) | 0.1 | 19.6 | 116.3 | 41.9 | 158.3 |
| 2009 | 0.0 | 8.6 | 28.7 | 2.9 | 8.6 | 41.7 | 1.3 | 1.7 | 84.8 | 0.2 | 6.1 | 0.0 | (s) | 0.1 | 18.8 | 118.7 | 39.5 | 158.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 45 | 0 | 2,044 | 701 | 208 | 2,953 | 173 | – – | – – | 451 | – – | – – | – – |
| 1965 | 27 | 0 | 3,110 | 649 | 255 | 4,014 | 137 | – – | – – | 678 | – – | – – | – – |
| 1970 | 16 | 1 | 3,873 | 436 | 287 | 4,596 | 105 | – – | – – | 1,216 | – – | – – | – – |
| 1975 | 5 | 1 | 3,101 | 235 | 447 | 3,783 | 123 | – – | – – | 1,427 | – – | – – | – – |
| 1980 | 2 | 1 | 2,171 | 230 | 287 | 2,688 | 215 | – – | – – | 1,781 | – – | – – | – – |
| 1985 | 10 | 1 | 2,482 | 514 | 484 | 3,481 | 155 | – – | – – | 1,538 | – – | – – | – – |
| 1990 | 1 | 2 | 2,293 | 193 | 894 | 3,380 | 99 | – – | – – | 1,809 | – – | – – | – – |
| 1995 | (s) | 2 | 2,321 | 180 | 985 | 3,487 | 108 | – – | – – | 1,973 | – – | – – | – – |
| 1996 | (s) | 3 | 2,368 | 203 | 1,111 | 3,682 | 113 | – – | – – | 2,006 | – – | – – | – – |
| 1997 | (s) | 3 | 2,309 | 238 | 990 | 3,538 | 82 | – – | – – | 1,992 | – – | – – | – – |
| 1998 | (s) | 2 | 2,008 | 326 | 1,118 | 3,452 | 73 | – – | – – | 1,951 | – – | – – | – – |
| 1999 | (s) | 3 | 2,016 | 262 | 1,093 | 3,371 | 76 | – – | – – | 1,999 | – – | – – | – – |
| 2000 | (s) | 3 | 2,450 | 326 | 1,059 | 3,836 | 82 | – – | – – | 2,037 | – – | – – | – – |
| 2001 | (s) | 3 | 2,220 | 320 | 1,454 | 3,994 | 65 | – – | – – | 2,009 | – – | – – | – – |
| 2002 | (s) | 3 | 2,114 | 186 | 1,454 | 3,754 | 66 | – – | – – | 2,047 | – – | – – | – – |
| 2003 | (s) | 3 | 2,301 | 276 | 1,200 | 3,777 | 69 | – – | – – | 2,011 | – – | – – | – – |
| 2004 | (s) | 3 | 2,696 | 400 | 1,212 | 4,308 | 71 | – – | – – | 2,109 | – – | – – | – – |
| 2005 | (s) | 3 | 2,257 | 381 | 1,456 | 4,094 | R 196 | – – | – – | 2,189 | – – | – – | – – |
| 2006 | (s) | 3 | 2,119 | 355 | 1,354 | 3,828 | R 178 | – – | – – | 2,142 | – – | – – | – – |
| 2007 | (s) | 3 | 2,157 | 248 | 1,286 | 3,691 | R 196 | – – | – – | 2,170 | – – | – – | – – |
| 2008 | 0 | 3 | R 1,970 | 126 | 1,291 | R 3,388 | R 206 | – – | – – | 2,133 | – – | – – | – – |
| 2009 | 0 | 3 | 2,074 | 167 | 1,561 | 3,803 | 196 | – – | – – | 2,122 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 1.1 | 0.0 | 11.9 | 4.0 | 0.8 | 16.7 | 3.5 | NA | NA | 1.5 | 22.8 | 3.8 | 26.6 |
| 1965 | 0.7 | 0.0 | 18.1 | 3.7 | 1.0 | 22.8 | 2.7 | NA | NA | 2.3 | 28.5 | 5.5 | 34.1 |
| 1970 | 0.4 | 1.1 | 22.6 | 2.5 | 1.1 | 26.1 | 2.1 | NA | NA | 4.1 | 33.8 | 10.0 | 43.8 |
| 1975 | 0.1 | 1.1 | 18.1 | 1.3 | 1.7 | 21.1 | 2.5 | NA | NA | 4.9 | 29.6 | 11.7 | 41.3 |
| 1980 | 0.1 | 1.3 | 12.6 | 1.3 | 1.1 | 15.0 | 4.3 | NA | NA | 6.1 | 26.7 | 14.6 | R 41.3 |
| 1985 | 0.2 | 1.4 | 14.5 | 2.9 | 1.7 | 19.1 | 3.1 | NA | NA | 5.2 | 29.2 | R 12.0 | 41.2 |
| 1990 | (s) | 2.1 | 13.4 | 1.1 | 3.2 | 17.7 | 2.0 | 0.0 | (s) | 6.2 | 28.0 | R 14.2 | R 42.2 |
| 1995 | (s) | 2.3 | 13.5 | 1.0 | 3.6 | 18.1 | 2.2 | 0.0 | (s) | 6.7 | 29.3 | R 15.2 | R 44.5 |
| 1996 | (s) | 2.6 | 13.8 | 1.2 | 4.0 | 19.0 | 2.3 | 0.0 | (s) | 6.8 | 30.6 | R 15.5 | R 46.1 |
| 1997 | (s) | 2.7 | 13.4 | 1.4 | 3.6 | 18.4 | 1.6 | 0.0 | (s) | 6.8 | 29.5 | R 15.3 | R 44.8 |
| 1998 | (s) | 2.5 | 11.7 | 1.8 | 4.0 | 17.6 | 1.5 | 0.0 | (s) | 6.7 | 28.2 | R 15.0 | R 43.2 |
| 1999 | (s) | 2.6 | 11.7 | 1.5 | 4.0 | 17.2 | 1.5 | (s) | (s) | 6.8 | 28.2 | R 15.5 | R 43.7 |
| 2000 | (s) | 2.9 | 14.3 | 1.8 | 3.8 | 19.9 | 1.6 | (s) | (s) | 7.0 | 31.4 | R 15.7 | R 47.2 |
| 2001 | (s) | 2.8 | 12.9 | 1.8 | 5.3 | 20.0 | 1.3 | (s) | (s) | 6.9 | 30.9 | R 15.2 | R 46.1 |
| 2002 | (s) | 2.8 | 12.3 | 1.1 | 5.3 | 18.6 | 1.3 | (s) | (s) | 7.0 | 29.7 | R 15.5 | R 45.2 |
| 2003 | (s) | 3.1 | 13.4 | 1.6 | 4.4 | 19.3 | 1.4 | (s) | (s) | 6.9 | R 30.7 | 15.1 | R 45.8 |
| 2004 | (s) | 3.1 | 15.7 | 2.3 | 4.4 | 22.4 | 1.4 | (s) | (s) | 7.2 | 34.1 | R 15.8 | R 50.0 |
| 2005 | (s) | 3.1 | 13.1 | 2.2 | 5.3 | 20.6 | R 3.9 | (s) | (s) | 7.5 | R 35.1 | R 16.2 | R 51.4 |
| 2006 | (s) | 2.9 | 12.3 | 2.0 | 4.9 | 19.2 | R 3.6 | (s) | 0.1 | 7.3 | R 33.1 | R 15.7 | R 48.8 |
| 2007 | (s) | 3.2 | 12.6 | 1.4 | 4.6 | 18.6 | R 3.9 | (s) | 0.1 | 7.4 | R 33.2 | R 15.9 | R 49.1 |
| 2008 | 0.0 | 3.1 | R 11.5 | 0.7 | 4.6 | R 16.8 | R 4.1 | (s) | 0.1 | 7.3 | R 31.4 | R 15.6 | R 47.0 |
| 2009 | 0.0 | 3.2 | 12.1 | 0.9 | 5.6 | 18.6 | 3.9 | (s) | 0.1 | 7.2 | 33.1 | 15.2 | 48.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 31 | 0 | 418 | 43 | 96 | 127 | 225 | 909 | NA | – – | – – | 233 | – – | – – | – – |
| 1965 | 21 | 0 | 636 | 40 | 117 | 24 | 422 | 1,239 | NA | – – | – – | 303 | – – | – – | – – |
| 1970 | 13 | 1 | 792 | 27 | 132 | 25 | 414 | 1,390 | NA | – – | – – | 609 | – – | – – | – – |
| 1975 | 11 | 1 | 634 | 15 | 206 | 30 | 373 | 1,257 | NA | – – | – – | 709 | – – | – – | – – |
| 1980 | 9 | 1 | 620 | 44 | 132 | 33 | 237 | 1,065 | NA | – – | – – | 923 | – – | – – | – – |
| 1985 | 36 | 2 | 591 | 36 | 223 | 40 | 24 | 914 | NA | – – | – – | 959 | – – | – – | – – |
| 1990 | 6 | 2 | 669 | 12 | 411 | 41 | 119 | 1,253 | 0 | – – | – – | 1,526 | – – | – – | – – |
| 1995 | 3 | 3 | 692 | 14 | 453 | 7 | 71 | 1,236 | 0 | – – | – – | 1,647 | – – | – – | – – |
| 1996 | 1 | 3 | 795 | 13 | 511 | 7 | 72 | 1,399 | 0 | – – | – – | 1,696 | – – | – – | – – |
| 1997 | 2 | 3 | 850 | 21 | 455 | 7 | 111 | 1,443 | 0 | – – | – – | 1,759 | – – | – – | – – |
| 1998 | 2 | 3 | 938 | 32 | 514 | 7 | 107 | 1,597 | 0 | – – | – – | 1,878 | – – | – – | – – |
| 1999 | 2 | 2 | 946 | 35 | 503 | 7 | 71 | 1,561 | 0 | – – | – – | 1,941 | – – | – – | – – |
| 2000 | 1 | 3 | 1,040 | 23 | 487 | 7 | 101 | 1,659 | 0 | – – | – – | 1,956 | – – | – – | – – |
| 2001 | 2 | 2 | 1,009 | 35 | 668 | 7 | 92 | 1,811 | 0 | – – | – – | 1,968 | – – | – – | – – |
| 2002 | 1 | 2 | 865 | 16 | 669 | 7 | 121 | 1,677 | 0 | – – | – – | 1,991 | – – | – – | – – |
| 2003 | 1 | 3 | 942 | 21 | 524 | 7 | 151 | 1,646 | 0 | – – | – – | 1,881 | – – | – – | – – |
| 2004 | 1 | 3 | 1,036 | 34 | 625 | 7 | 147 | 1,848 | 0 | – – | – – | 1,978 | – – | – – | – – |
| 2005 | 1 | 3 | 858 | 31 | 511 | 7 | 145 | 1,552 | 0 | – – | – – | 2,051 | – – | – – | – – |
| 2006 | 1 | 2 | 812 | 26 | 516 | 7 | 130 | 1,491 | 0 | – – | – – | 2,027 | – – | – – | – – |
| 2007 | 1 | 3 | 766 | 27 | 642 | 7 | 87 | 1,529 | 0 | – – | – – | 2,059 | – – | – – | – – |
| 2008 | 0 | 2 | R 594 | 7 | 778 | 7 | 112 | R 1,497 | 0 | – – | – – | 2,043 | – – | – – | – – |
| 2009 | 0 | 2 | 719 | 14 | 766 | 7 | 92 | 1,597 | 0 | – – | – – | 1,991 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.8 | 0.0 | 2.4 | 0.2 | 0.4 | 0.7 | 1.4 | 5.1 | NA | 0.1 | NA | 0.8 | 6.8 | 2.0 | 8.7 |
| 1965 | 0.5 | 0.0 | 3.7 | 0.2 | 0.5 | 0.1 | 2.7 | 7.2 | NA | 0.1 | NA | 1.0 | 8.8 | 2.5 | 11.2 |
| 1970 | 0.3 | 0.6 | 4.6 | 0.2 | 0.5 | 0.1 | 2.6 | 8.0 | NA | (s) | NA | 2.1 | 11.0 | 5.0 | 16.0 |
| 1975 | 0.2 | 0.8 | 3.7 | 0.1 | 0.8 | 0.2 | 2.3 | 7.0 | NA | (s) | NA | 2.4 | 10.5 | 5.8 | 16.3 |
| 1980 | 0.2 | 0.8 | 3.6 | 0.2 | 0.5 | 0.2 | 1.5 | 6.0 | NA | 0.1 | NA | 3.1 | 10.3 | 7.6 | R 17.8 |
| 1985 | 0.9 | 1.6 | 3.4 | 0.2 | 0.8 | 0.2 | 0.1 | 4.8 | NA | 0.1 | NA | 3.3 | 10.6 | 7.5 | 18.1 |
| 1990 | 0.1 | 2.0 | 3.9 | 0.1 | 1.5 | 0.2 | 0.7 | 6.4 | 0.0 | 0.2 | 0.0 | 5.2 | 14.0 | 12.0 | 26.0 |
| 1995 | 0.1 | 2.7 | 4.0 | 0.1 | 1.6 | (s) | 0.4 | 6.2 | 0.0 | 0.3 | 0.0 | 5.6 | 14.9 | R 12.7 | 27.6 |
| 1996 | (s) | 2.9 | 4.6 | 0.1 | 1.8 | (s) | 0.5 | 7.0 | 0.0 | 0.3 | 0.0 | 5.8 | 16.0 | R 13.1 | R 29.1 |
| 1997 | 0.1 | 3.1 | 4.9 | 0.1 | 1.6 | (s) | 0.7 | 7.4 | 0.0 | 0.3 | 0.0 | 6.0 | 16.9 | R 13.5 | R 30.4 |
| 1998 | (s) | 3.0 | 5.5 | 0.2 | 1.9 | (s) | 0.7 | 8.2 | 0.0 | 0.2 | 0.0 | 6.4 | 17.9 | R 14.4 | 32.4 |
| 1999 | (s) | 2.3 | 5.5 | 0.2 | 1.8 | (s) | 0.4 | 8.0 | 0.0 | 0.3 | 0.0 | 6.6 | 17.3 | R 15.1 | R 32.3 |
| 2000 | (s) | 2.6 | 6.1 | 0.1 | 1.8 | (s) | 0.6 | 8.6 | 0.0 | 0.3 | 0.0 | 6.7 | 18.2 | R 15.1 | R 33.3 |
| 2001 | (s) | 2.5 | 5.9 | 0.2 | 2.4 | (s) | 0.6 | 9.1 | 0.0 | 0.2 | 0.0 | 6.7 | 18.6 | R 14.9 | R 33.4 |
| 2002 | (s) | 2.5 | 5.0 | 0.1 | 2.4 | (s) | 0.8 | 8.3 | 0.0 | 0.2 | 0.0 | 6.8 | 17.9 | 15.1 | R 32.9 |
| 2003 | (s) | 2.8 | 5.5 | 0.1 | 1.9 | (s) | 1.0 | 8.5 | 0.0 | 0.2 | 0.0 | 6.4 | 18.0 | R 14.1 | R 32.0 |
| 2004 | (s) | 2.7 | 6.0 | 0.2 | 2.3 | (s) | 0.9 | 9.4 | 0.0 | 0.2 | 0.0 | 6.7 | 19.2 | R 14.8 | R 34.0 |
| 2005 | (s) | 2.6 | 5.0 | 0.2 | 1.9 | (s) | 0.9 | 8.0 | 0.0 | R 0.6 | 0.0 | 7.0 | R 18.2 | R 15.2 | R 33.5 |
| 2006 | (s) | 2.4 | 4.7 | 0.1 | 1.9 | (s) | 0.8 | 7.6 | 0.0 | R 0.6 | 0.0 | 6.9 | R 17.5 | R 14.9 | R 32.4 |
| 2007 | (s) | 2.6 | 4.5 | 0.2 | 2.3 | (s) | 0.5 | 7.5 | 0.0 | R 0.6 | 0.0 | 7.0 | R 17.8 | R 15.1 | R 32.9 |
| 2008 | 0.0 | 2.5 | R 3.5 | (s) | 2.8 | (s) | 0.7 | 7.0 | 0.0 | R 0.7 | 0.0 | 7.0 | R 17.2 | R 14.9 | R 32.1 |
| 2009 | 0.0 | 2.5 | 4.2 | 0.1 | 2.7 | (s) | 0.6 | 7.6 | 0.0 | 0.6 | 0.0 | 6.8 | 17.5 | 14.3 | 31.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 41 | 0 | 234 | 99 | 0 | 252 | 346 | 931 | 64 | – – | – – | – – | 191 | – – | – – | – – |
| 1965 | 14 | 0 | 316 | 77 | 100 | 484 | 301 | 1,278 | 53 | – – | – – | – – | 352 | – – | – – | – – |
| 1970 | 3 | 1 | 463 | 121 | 68 | 466 | 372 | 1,489 | 62 | – – | – – | – – | 787 | – – | – – | – – |
| 1975 | 2 | 2 | 364 | 179 | 77 | 421 | 196 | 1,237 | 67 | – – | – – | – – | 858 | – – | – – | – – |
| 1980 | 2 | 2 | 501 | 245 | 19 | 235 | 156 | 1,155 | 70 | – – | – – | – – | 1,247 | – – | – – | – – |
| 1985 | 6 | 2 | 500 | 70 | 117 | 98 | 445 | 1,230 | 70 | – – | – – | – – | 1,518 | – – | – – | – – |
| 1990 | 1 | 2 | 554 | 85 | 81 | 115 | 146 | 981 | 17 | – – | – – | – – | 1,381 | – – | – – | – – |
| 1995 | 0 | 2 | 328 | 220 | 89 | 144 | 278 | 1,058 | 18 | – – | – – | – – | 1,484 | – – | – – | – – |
| 1996 | 0 | 2 | 326 | 196 | 90 | 210 | 327 | 1,149 | 16 | – – | – – | – – | 1,537 | – – | – – | – – |
| 1997 | 107 | 2 | 345 | 77 | 95 | 212 | 830 | 1,560 | 22 | – – | – – | – – | 1,561 | – – | – – | – – |
| 1998 | 0 | 2 | 379 | 144 | 76 | 168 | 329 | 1,095 | 24 | – – | – – | – – | 1,534 | – – | – – | – – |
| 1999 | 80 | 3 | 409 | 19 | 82 | 149 | 248 | 908 | 20 | – – | – – | – – | 1,587 | – – | – – | – – |
| 2000 | 0 | 4 | 381 | 223 | 79 | 207 | 277 | 1,166 | 20 | – – | – – | – – | 1,646 | – – | – – | – – |
| 2001 | 0 | 3 | 366 | 303 | 170 | 149 | 358 | 1,344 | 16 | – – | – – | – – | 1,608 | – – | – – | – – |
| 2002 | 0 | 3 | 338 | 229 | 179 | 132 | 205 | 1,083 | 16 | – – | – – | – – | 1,592 | – – | – – | – – |
| 2003 | 0 | 2 | 432 | 139 | 210 | 141 | 178 | 1,099 | 6 | – – | – – | – – | 1,460 | – – | – – | – – |
| 2004 | 0 | 3 | 586 | 145 | 237 | 151 | 537 | 1,656 | 21 | – – | – – | – – | 1,577 | – – | – – | – – |
| 2005 | 0 | 3 | 560 | 259 | 235 | 156 | 210 | 1,419 | 21 | – – | – – | – – | 1,644 | – – | – – | – – |
| 2006 | 0 | 3 | 509 | 411 | 264 | 130 | 149 | 1,463 | 22 | – – | – – | – – | 1,626 | – – | – – | – – |
| 2007 | 0 | 3 | 396 | 220 | 198 | 151 | 352 | 1,318 | 2 | – – | – – | – – | 1,635 | – – | – – | – – |
| 2008 | 0 | 3 | R 549 | R 165 | 115 | 121 | 61 | R 1,011 | 21 | – – | – – | – – | 1,565 | – – | – – | – – |
| 2009 | 0 | 3 | 547 | 91 | 114 | 109 | 54 | 915 | 25 | – – | – – | – – | 1,383 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 1.1 | 0.0 | 1.4 | 0.4 | 0.0 | 1.6 | 2.2 | 5.5 | 0.7 | 4.4 | NA | NA | 0.7 | 12.4 | 1.6 | 14.0 |
| 1965 | 0.4 | 0.0 | 1.8 | 0.3 | 0.5 | 3.0 | 1.9 | 7.6 | 0.6 | 4.1 | NA | NA | 1.2 | 13.9 | 2.9 | 16.7 |
| 1970 | 0.1 | 1.1 | 2.7 | 0.5 | 0.4 | 2.9 | 2.4 | 8.8 | 0.6 | 4.3 | NA | NA | 2.7 | 17.6 | 6.5 | 24.1 |
| 1975 | 0.1 | 1.5 | 2.1 | 0.7 | 0.4 | 2.6 | 1.1 | 7.0 | 0.7 | 4.1 | NA | NA | 2.9 | 16.3 | 7.0 | 23.3 |
| 1980 | (s) | 1.6 | 2.9 | 0.9 | 0.1 | 1.5 | 0.9 | 6.3 | 0.7 | 9.5 | NA | NA | 4.3 | 22.5 | R 10.2 | 32.7 |
| 1985 | 0.1 | 1.9 | 2.9 | 0.3 | 0.6 | 0.6 | 2.8 | 7.2 | 0.7 | 11.2 | 0.0 | NA | 5.2 | 26.3 | 11.9 | 38.2 |
| 1990 | (s) | 1.8 | 3.2 | 0.3 | 0.4 | 0.7 | 0.8 | 5.5 | 0.2 | 2.1 | 0.0 | 0.0 | 4.7 | 14.4 | R 10.8 | R 25.2 |
| 1995 | 0.0 | 2.1 | 1.9 | 0.8 | 0.5 | 0.9 | 1.8 | 5.9 | 0.2 | 3.2 | 0.0 | 0.0 | 5.1 | 16.5 | R 11.4 | R 27.9 |
| 1996 | 0.0 | 2.0 | 1.9 | 0.7 | 0.5 | 1.3 | 2.1 | 6.5 | 0.2 | 2.9 | 0.0 | 0.0 | 5.2 | 16.9 | 11.9 | R 28.7 |
| 1997 | 2.6 | 2.4 | 2.0 | 0.3 | 0.5 | 1.3 | 5.5 | 9.6 | 0.2 | 3.2 | 0.0 | 0.0 | 5.3 | 23.4 | R 12.0 | 35.4 |
| 1998 | 0.0 | 2.1 | 2.2 | 0.5 | 0.4 | 1.1 | 2.0 | 6.2 | 0.2 | 2.7 | 0.0 | 0.0 | 5.2 | 16.5 | R 11.8 | R 28.3 |
| 1999 | 2.0 | 2.9 | 2.4 | 0.1 | 0.4 | 0.9 | 1.6 | 5.4 | 0.2 | 2.5 | 0.0 | 0.0 | 5.4 | 18.4 | R 12.3 | R 30.7 |
| 2000 | 0.0 | 4.0 | 2.2 | 0.8 | 0.4 | 1.3 | 1.7 | 6.5 | 0.2 | 3.0 | 0.0 | 0.0 | 5.6 | 19.3 | R 12.7 | 32.0 |
| 2001 | 0.0 | 2.6 | 2.1 | 1.1 | 0.9 | 0.9 | 2.3 | 7.4 | 0.2 | 2.6 | 0.0 | 0.0 | 5.5 | 18.2 | 12.2 | R 30.3 |
| 2002 | 0.0 | 3.1 | 2.0 | 0.8 | 0.9 | 0.8 | 1.3 | 5.9 | 0.2 | 1.3 | 0.0 | 0.0 | 5.4 | 15.9 | R 12.0 | R 27.9 |
| 2003 | 0.0 | 2.5 | 2.5 | 0.5 | 1.1 | 0.9 | 1.1 | 6.1 | 0.1 | 1.2 | 0.0 | 0.0 | 5.0 | 14.8 | R 10.9 | R 25.7 |
| 2004 | 0.0 | 2.8 | 3.4 | 0.5 | 1.2 | 0.9 | 3.5 | 9.6 | 0.2 | 1.5 | 0.0 | 0.0 | 5.4 | 19.5 | R 11.8 | R 31.3 |
| 2005 | 0.0 | 2.6 | 3.3 | 0.9 | 1.2 | 1.0 | 1.3 | 7.7 | 0.2 | 2.2 | 0.0 | 0.0 | 5.6 | 18.4 | R 12.2 | R 30.6 |
| 2006 | 0.0 | 2.8 | 3.0 | 1.5 | 1.4 | 0.8 | 1.0 | 7.6 | 0.2 | R 2.5 | 0.0 | 0.0 | 5.5 | R 18.6 | R 11.9 | R 30.5 |
| 2007 | 0.0 | 3.0 | 2.3 | 0.8 | 1.0 | 1.0 | 2.3 | 7.4 | (s) | R 1.6 | 0.0 | 0.0 | 5.6 | R 17.6 | 12.0 | R 29.5 |
| 2008 | 0.0 | 3.0 | 3.2 | 0.6 | 0.6 | 0.8 | 0.4 | 5.5 | 0.2 | R 1.6 | 0.0 | 0.0 | 5.3 | R 15.7 | R 11.4 | R 27.1 |
| 2009 | 0.0 | 2.9 | 3.2 | 0.3 | 0.6 | 0.7 | 0.3 | 5.1 | 0.2 | 1.5 | 0.0 | 0.0 | 4.7 | 14.5 | 9.9 | 24.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 1 | 0 | 19 | 254 | 82 | (s) | 68 | 3,205 | 0 | 3,629 | 0 | – – | – – | – – |
| 1965 | (s) | 0 | 25 | 185 | 79 | 1 | 44 | 3,665 | 0 | 4,000 | 0 | – – | – – | – – |
| 1970 | (s) | 0 | 14 | 346 | 121 | 3 | 49 | 4,985 | 2 | 5,519 | 0 | – – | – – | – – |
| 1975 | (s) | 0 | 11 | 504 | 129 | 1 | 45 | 5,591 | 2 | 6,284 | 0 | – – | – – | – – |
| 1980 | 0 | 0 | 25 | 757 | 137 | 2 | 52 | 5,386 | 0 | 6,359 | 0 | – – | – – | – – |
| 1985 | 0 | (s) | 22 | 977 | 201 | 13 | 47 | 5,656 | 0 | 6,916 | 0 | – – | – – | – – |
| 1990 | 0 | (s) | 15 | 1,043 | 180 | 11 | 53 | 6,574 | 3 | 7,878 | 0 | – – | – – | – – |
| 1995 | 0 | (s) | 12 | 1,981 | 127 | 15 | 51 | 7,116 | 0 | 9,302 | 0 | – – | – – | – – |
| 1996 | 0 | (s) | 10 | 2,227 | 99 | 16 | 49 | 7,234 | 0 | 9,636 | 0 | – – | – – | – – |
| 1997 | 0 | (s) | 12 | 1,809 | 106 | 17 | 52 | 7,504 | 0 | 9,501 | 0 | – – | – – | – – |
| 1998 | 0 | (s) | 10 | 1,784 | 121 | (s) | 55 | 7,428 | 0 | 9,398 | (s) | – – | – – | – – |
| 1999 | 0 | (s) | 12 | 2,006 | 143 | 2 | 55 | 7,610 | 0 | 9,828 | 0 | – – | – – | – – |
| 2000 | 0 | (s) | 40 | 1,245 | 144 | 0 | 54 | 8,309 | 0 | 9,793 | 0 | – – | – – | – – |
| 2001 | 0 | (s) | 44 | 1,690 | 120 | (s) | 50 | 7,844 | 0 | 9,748 | 0 | – – | – – | – – |
| 2002 | 0 | (s) | 10 | 1,518 | 65 | (s) | 49 | 7,978 | 0 | 9,621 | 0 | – – | – – | – – |
| 2003 | 0 | (s) | 9 | 1,519 | 68 | 4 | 45 | 8,088 | 0 | 9,733 | 0 | – – | – – | – – |
| 2004 | 0 | (s) | 21 | 1,498 | 309 | 5 | 46 | 8,164 | 0 | 10,042 | 0 | – – | – – | – – |
| 2005 | 0 | (s) | 26 | 1,506 | 423 | 8 | 46 | 8,166 | 0 | 10,174 | 0 | – – | – – | – – |
| 2006 | 0 | (s) | 16 | 1,636 | 376 | 8 | 45 | 8,135 | 0 | 10,216 | 0 | – – | – – | – – |
| 2007 | 0 | (s) | 16 | 1,589 | 317 | 4 | 46 | 8,149 | 0 | 10,122 | 0 | – – | – – | – – |
| 2008 | 0 | (s) | 10 | R 1,558 | 266 | R 29 | 43 | 7,865 | 0 | R 9,771 | 0 | – – | – – | – – |
| 2009 | 0 | (s) | 11 | 1,587 | 512 | 5 | 38 | 7,865 | 0 | 10,019 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 0.0 | 0.1 | 1.5 | 0.4 | (s) | 0.4 | 16.8 | 0.0 | 19.3 | 0.0 | 19.3 | 0.0 | 19.3 |
| 1965 | (s) | 0.0 | 0.1 | 1.1 | 0.4 | (s) | 0.3 | 19.3 | 0.0 | 21.2 | 0.0 | 21.2 | 0.0 | 21.2 |
| 1970 | (s) | 0.0 | 0.1 | 2.0 | 0.7 | (s) | 0.3 | 26.2 | (s) | 29.3 | 0.0 | 29.3 | 0.0 | 29.3 |
| 1975 | (s) | 0.0 | 0.1 | 2.9 | 0.7 | (s) | 0.3 | 29.4 | (s) | 33.4 | 0.0 | 33.4 | 0.0 | 33.4 |
| 1980 | 0.0 | 0.0 | 0.1 | 4.4 | 0.8 | (s) | 0.3 | 28.3 | 0.0 | 33.9 | 0.0 | 33.9 | 0.0 | 33.9 |
| 1985 | 0.0 | (s) | 0.1 | 5.7 | 1.1 | (s) | 0.3 | 29.7 | 0.0 | 37.0 | 0.0 | 37.0 | 0.0 | 37.0 |
| 1990 | 0.0 | (s) | 0.1 | 6.1 | 1.0 | (s) | 0.3 | 34.5 | (s) | 42.1 | 0.0 | 42.1 | 0.0 | 42.1 |
| 1995 | 0.0 | (s) | 0.1 | 11.5 | 0.7 | 0.1 | 0.3 | 37.1 | 0.0 | 49.8 | 0.0 | 49.8 | 0.0 | 49.8 |
| 1996 | 0.0 | (s) | 0.1 | 13.0 | 0.6 | 0.1 | 0.3 | 37.7 | 0.0 | 51.7 | 0.0 | 51.7 | 0.0 | 51.7 |
| 1997 | 0.0 | 0.2 | 0.1 | 10.5 | 0.6 | 0.1 | 0.3 | 39.1 | 0.0 | 50.7 | 0.0 | 50.9 | 0.0 | 50.9 |
| 1998 | 0.0 | (s) | 0.1 | 10.4 | 0.7 | (s) | 0.3 | 38.7 | 0.0 | 50.2 | (s) | 50.2 | (s) | 50.2 |
| 1999 | 0.0 | (s) | 0.1 | 11.7 | 0.8 | (s) | 0.3 | 39.7 | 0.0 | 52.6 | 0.0 | 52.6 | 0.0 | 52.6 |
| 2000 | 0.0 | (s) | 0.2 | 7.3 | 0.8 | 0.0 | 0.3 | 43.3 | 0.0 | 51.9 | 0.0 | 51.9 | 0.0 | 51.9 |
| 2001 | 0.0 | (s) | 0.2 | 9.8 | 0.7 | (s) | 0.3 | 40.9 | 0.0 | 51.9 | 0.0 | 51.9 | 0.0 | 51.9 |
| 2002 | 0.0 | (s) | 0.1 | 8.8 | 0.4 | (s) | 0.3 | 41.5 | 0.0 | 51.1 | 0.0 | 51.1 | 0.0 | 51.1 |
| 2003 | 0.0 | (s) | (s) | 8.8 | 0.4 | (s) | 0.3 | 42.1 | 0.0 | 51.7 | 0.0 | 51.7 | 0.0 | 51.7 |
| 2004 | 0.0 | (s) | 0.1 | 8.7 | 1.8 | (s) | 0.3 | 42.6 | 0.0 | 53.5 | 0.0 | 53.5 | 0.0 | 53.5 |
| 2005 | 0.0 | (s) | 0.1 | 8.8 | 2.4 | (s) | 0.3 | 42.6 | 0.0 | 54.2 | 0.0 | 54.2 | 0.0 | 54.2 |
| 2006 | 0.0 | (s) | 0.1 | 9.5 | 2.1 | (s) | 0.3 | 42.4 | 0.0 | 54.5 | 0.0 | 54.5 | 0.0 | 54.5 |
| 2007 | 0.0 | (s) | 0.1 | 9.3 | 1.8 | (s) | 0.3 | 42.5 | 0.0 | 54.0 | 0.0 | 54.0 | 0.0 | 54.0 |
| 2008 | 0.0 | (s) | 0.1 | R 9.1 | 1.5 | 0.1 | 0.3 | 41.0 | 0.0 | 52.0 | 0.0 | R 52.1 | 0.0 | R 52.1 |
| 2009 | 0.0 | (s) | 0.1 | 9.2 | 2.9 | (s) | 0.2 | 41.0 | 0.0 | 53.5 | 0.0 | 53.5 | 0.0 | 53.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Vermont

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 19 | 0 | 1 | 8 | 0 | 9 | 0 | 809 | – – | 0 | NA | NA | 64 | – – |
| 1965 | 43 | 0 | 3 | 38 | 0 | 42 | 0 | 661 | – – | 0 | NA | NA | 41 | – – |
| 1970 | 55 | 0 | 23 | 268 | 0 | 291 | 0 | 724 | – – | 0 | NA | NA | 50 | – – |
| 1975 | 13 | 1 | (s) | 86 | 0 | 87 | 3,561 | 871 | – – | 0 | NA | NA | 75 | – – |
| 1980 | 9 | (s) | 0 | 63 | 0 | 63 | 2,979 | 743 | – – | 0 | NA | NA | 187 | – – |
| 1985 | 28 | (s) | 0 | 34 | 0 | 34 | 2,999 | 852 | – – | 0 | 0 | 0 | 321 | – – |
| 1990 | 0 | 1 | 0 | 8 | 0 | 8 | 3,616 | 1,348 | – – | 0 | 0 | 0 | 1,710 | – – |
| 1995 | 0 | (s) | 0 | 39 | 0 | 39 | 3,859 | 954 | – – | 0 | 0 | 0 | 3,954 | – – |
| 1996 | 0 | (s) | 0 | 16 | 0 | 16 | 3,799 | 1,216 | – – | 0 | 0 | 0 | 3,517 | – – |
| 1997 | 0 | (s) | 0 | 31 | 0 | 31 | 4,267 | 1,046 | – – | 0 | 0 | 0 | 3,974 | – – |
| 1998 | 0 | (s) | 0 | 107 | 0 | 107 | 3,358 | 1,170 | – – | 0 | 0 | 0 | 3,861 | – – |
| 1999 | 0 | (s) | 0 | 64 | 0 | 64 | 4,059 | 1,175 | – – | 0 | 0 | 14 | 7,672 | – – |
| 2000 | 0 | 1 | 0 | 159 | 0 | 159 | 4,548 | 1,201 | – – | 0 | 0 | 12 | 3,917 | – – |
| 2001 | 0 | (s) | 0 | 87 | 0 | 87 | 4,171 | 868 | – – | 0 | 0 | 12 | 2,999 | – – |
| 2002 | 0 | (s) | 0 | 31 | 0 | 31 | 3,963 | 1,099 | – – | 0 | 0 | 10 | 2,433 | – – |
| 2003 | 0 | (s) | 0 | 57 | 0 | 57 | 4,444 | 1,148 | – – | 0 | 0 | 11 | 1,916 | – – |
| 2004 | 0 | (s) | 0 | 45 | 0 | 45 | 3,858 | 1,166 | – – | 0 | 0 | 11 | 1,938 | – – |
| 2005 | 0 | (s) | 0 | 12 | 0 | 12 | 4,072 | 1,190 | – – | 0 | 0 | 11 | 2,116 | – – |
| 2006 | 0 | (s) | 0 | 8 | 0 | 8 | 5,107 | 1,497 | – – | 0 | 0 | 11 | 2,429 | – – |
| 2007 | 0 | (s) | 0 | 9 | 0 | 9 | 4,704 | 645 | – – | 0 | 0 | 11 | 2,488 | – – |
| 2008 | 0 | (s) | 1 | 6 | 0 | 7 | 4,895 | 1,472 | – – | 0 | 0 | 10 | R 2,493 | – – |
| 2009 | 0 | (s) | 1 | 3 | 0 | 4 | 5,361 | 1,461 | – – | 0 | 0 | 12 | 2,563 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.5 | 0.0 | (s) | (s) | 0.0 | 0.1 | 0.0 | 8.7 | 0.0 | 0.0 | NA | NA | 0.2 | 9.5 |
| 1965 | 1.2 | 0.0 | (s) | 0.2 | 0.0 | 0.2 | 0.0 | 6.9 | 0.0 | 0.0 | NA | NA | 0.1 | 8.5 |
| 1970 | 1.4 | 0.0 | 0.1 | 1.6 | 0.0 | 1.7 | 0.0 | 7.6 | 0.0 | 0.0 | NA | NA | 0.2 | 10.8 |
| 1975 | 0.3 | 0.6 | (s) | 0.5 | 0.0 | 0.5 | 39.2 | 9.1 | 0.0 | 0.0 | NA | NA | 0.3 | 49.9 |
| 1980 | 0.2 | 0.2 | 0.0 | 0.4 | 0.0 | 0.4 | 32.5 | 7.7 | 0.5 | 0.0 | NA | NA | 0.6 | 42.2 |
| 1985 | 0.7 | 0.1 | 0.0 | 0.2 | 0.0 | 0.2 | 31.9 | 8.9 | 2.9 | 0.0 | 0.0 | 0.0 | 1.1 | 45.8 |
| 1990 | 0.0 | 0.7 | 0.0 | (s) | 0.0 | (s) | 38.3 | 14.0 | 1.0 | 0.0 | 0.0 | 0.0 | 5.8 | 59.9 |
| 1995 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | 0.2 | 40.5 | 9.8 | 3.4 | 0.0 | 0.0 | 0.0 | 13.5 | 67.7 |
| 1996 | 0.0 | (s) | 0.0 | 0.1 | 0.0 | 0.1 | 39.9 | 12.6 | 3.6 | 0.0 | 0.0 | 0.0 | 12.0 | 68.2 |
| 1997 | 0.0 | (s) | 0.0 | 0.2 | 0.0 | 0.2 | 44.8 | 10.7 | 3.9 | 0.0 | 0.0 | 0.0 | 13.6 | 73.1 |
| 1998 | 0.0 | 0.2 | 0.0 | 0.6 | 0.0 | 0.6 | 35.2 | 11.9 | 3.7 | 0.0 | 0.0 | 0.0 | 13.2 | 64.8 |
| 1999 | 0.0 | 0.3 | 0.0 | 0.4 | 0.0 | 0.4 | 42.4 | 12.0 | 4.2 | 0.0 | 0.0 | 0.1 | 26.2 | 85.5 |
| 2000 | 0.0 | 1.0 | 0.0 | 0.9 | 0.0 | 0.9 | 47.4 | 12.3 | 3.9 | 0.0 | 0.0 | 0.1 | 13.4 | 79.1 |
| 2001 | 0.0 | 0.1 | 0.0 | 0.5 | 0.0 | 0.5 | 43.6 | 9.0 | 3.9 | 0.0 | 0.0 | 0.1 | 10.2 | 67.5 |
| 2002 | 0.0 | (s) | 0.0 | 0.2 | 0.0 | 0.2 | 41.4 | 11.2 | 8.4 | 0.0 | 0.0 | 0.1 | 8.3 | 69.6 |
| 2003 | 0.0 | (s) | 0.0 | 0.3 | 0.0 | 0.3 | 46.3 | 11.8 | 9.4 | 0.0 | 0.0 | 0.1 | 6.5 | 74.5 |
| 2004 | 0.0 | 0.1 | 0.0 | 0.3 | 0.0 | 0.3 | 40.2 | 11.7 | 6.8 | 0.0 | 0.0 | 0.1 | 6.6 | 65.8 |
| 2005 | 0.0 | (s) | 0.0 | 0.1 | 0.0 | 0.1 | 42.5 | 11.9 | 5.3 | 0.0 | 0.0 | 0.1 | 7.2 | 67.1 |
| 2006 | 0.0 | (s) | 0.0 | (s) | 0.0 | (s) | 53.3 | 14.8 | 5.8 | 0.0 | 0.0 | 0.1 | 8.3 | 82.5 |
| 2007 | 0.0 | (s) | 0.0 | 0.1 | 0.0 | 0.1 | 49.3 | 6.4 | 6.0 | 0.0 | 0.0 | 0.1 | 8.5 | 70.4 |
| 2008 | 0.0 | (s) | (s) | (s) | 0.0 | (s) | 51.2 | 14.5 | 5.6 | 0.0 | 0.0 | 0.1 | R 8.5 | R 80.0 |
| 2009 | 0.0 | 0.1 | (s) | (s) | 0.0 | (s) | 56.1 | 14.3 | 5.7 | 0.0 | 0.0 | 0.1 | 8.7 | 84.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Virginia

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 12,141 | 66 | 14,146 | 4,441 | 1,146 | 31,077 | 17,825 | 9,512 | 78,148 | 0 | 1,267 | NA |
| 1965 | 14,904 | 96 | 18,609 | 6,504 | 1,658 | 36,104 | 16,780 | 12,257 | 91,912 | 0 | 883 | NA |
| 1970 | 11,294 | 137 | 24,640 | 11,093 | 2,412 | 48,684 | 33,373 | 12,231 | 132,434 | 0 | 691 | NA |
| 1971 | 9,479 | 144 | 24,376 | 11,803 | 2,463 | 51,673 | 40,527 | 12,189 | 143,030 | 0 | 1,123 | NA |
| 1972 | 8,223 | 156 | 25,075 | 11,662 | 2,863 | 55,089 | 44,778 | 12,176 | 151,644 | 448 | 1,408 | NA |
| 1973 | 8,151 | 153 | 27,103 | 12,311 | 2,749 | 58,429 | 44,813 | 10,570 | 155,975 | 6,857 | 1,318 | NA |
| 1974 | 7,550 | 144 | 25,364 | 11,418 | 2,672 | 57,945 | 43,895 | 9,407 | 150,699 | 5,953 | 1,085 | NA |
| 1975 | 7,130 | 121 | 22,996 | 11,602 | 3,077 | 59,293 | 40,953 | 8,265 | 146,186 | 8,970 | 1,311 | NA |
| 1976 | 8,317 | 124 | 25,101 | 11,954 | 3,209 | 62,422 | 39,473 | 12,876 | 155,035 | 7,740 | 888 | NA |
| 1977 | 7,734 | 118 | 28,183 | 12,541 | 3,365 | 64,412 | 41,301 | 13,908 | 163,711 | 9,481 | 714 | NA |
| 1978 | 7,000 | 134 | 26,309 | 12,339 | 3,138 | 66,616 | 37,705 | 14,744 | 160,851 | 14,098 | 1,286 | NA |
| 1979 | 8,651 | 134 | 33,056 | 12,079 | 3,624 | 62,890 | 35,306 | 16,975 | 163,930 | 7,056 | 1,543 | NA |
| 1980 | 9,291 | 158 | 24,599 | 12,279 | 3,131 | 59,035 | 24,651 | 15,736 | 139,431 | 11,466 | 892 | NA |
| 1981 | 10,666 | 152 | 23,613 | 11,255 | 2,945 | 59,241 | 13,590 | 10,589 | 121,233 | 17,818 | 365 | 6 |
| 1982 | 10,419 | 151 | 21,913 | 11,090 | 2,958 | 58,355 | 9,377 | 9,234 | 112,927 | 17,420 | 940 | 73 |
| 1983 | 10,888 | 143 | 24,890 | 10,869 | 2,975 | 59,687 | 8,128 | 10,026 | 116,575 | 18,674 | 1,210 | 107 |
| 1984 | 12,168 | 144 | 26,483 | 10,465 | 3,697 | 61,916 | 8,911 | 13,554 | 125,026 | 17,045 | 1,182 | 295 |
| 1985 | 11,656 | 139 | 26,519 | 11,038 | 3,932 | 62,979 | 8,571 | 14,020 | 127,059 | 22,303 | 845 | 658 |
| 1986 | 11,857 | 141 | 29,676 | 13,228 | 3,380 | 65,184 | 12,403 | 11,741 | 135,612 | 21,215 | 75 | 920 |
| 1987 | 13,227 | 159 | 31,335 | 14,432 | 4,126 | 69,895 | 10,845 | 11,600 | 142,232 | 18,145 | 834 | 756 |
| 1988 | 13,430 | 164 | 34,960 | 15,700 | 4,251 | 71,098 | 10,077 | 11,405 | 147,491 | 21,037 | -191 | 686 |
| 1989 | 15,113 | 174 | 30,080 | 15,768 | 4,472 | 70,930 | 11,876 | 11,647 | 144,773 | 14,264 | 424 | 728 |
| 1990 | 13,960 | 184 | 29,812 | 15,806 | 4,088 | 70,333 | 7,807 | 11,097 | 138,942 | 23,820 | 1,309 | 381 |
| 1991 | 14,885 | 181 | 29,035 | 11,824 | 4,643 | 70,526 | 9,158 | 11,283 | 136,468 | 23,886 | 1,080 | 365 |
| 1992 | 14,803 | 213 | 28,312 | 11,670 | 4,727 | 71,533 | 8,016 | 11,539 | 135,797 | 23,334 | 1,090 | 275 |
| 1993 | 15,504 | 238 | 28,713 | 11,915 | 4,829 | 73,827 | 8,509 | 11,687 | 139,480 | 22,689 | 1,313 | 51 |
| 1994 | 14,533 | 252 | 30,309 | 12,003 | 4,928 | 75,047 | 7,913 | 11,801 | 142,001 | 25,429 | 1,146 | 277 |
| 1995 | 15,084 | 276 | 30,580 | 10,589 | 4,783 | 78,828 | 5,482 | 11,503 | 141,765 | 25,135 | 995 | 1 |
| 1996 | 16,931 | 260 | 35,832 | 9,204 | 5,156 | 79,164 | 4,082 | 12,644 | 146,082 | 26,286 | 1,429 | 954 |
| 1997 | 17,165 | 249 | 37,717 | 9,406 | 5,216 | 81,440 | 5,202 | 13,140 | 152,122 | 27,084 | 1,020 | 737 |
| 1998 | 17,320 | 260 | 35,855 | 10,192 | 4,006 | 82,197 | 7,332 | 14,127 | 153,709 | 27,234 | 1,283 | 920 |
| 1999 | 17,431 | 277 | 35,952 | 9,314 | 4,587 | 84,814 | 7,492 | 14,510 | 156,669 | 28,301 | 682 | 787 |
| 2000 | 19,606 | 269 | 39,664 | 9,943 | 6,097 | 85,628 | 9,895 | 13,345 | 164,572 | 28,321 | 712 | 891 |
| 2001 | 19,049 | 238 | 39,291 | 9,981 | 4,825 | 90,793 | 9,099 | 14,862 | 168,851 | 25,759 | 1,014 | 839 |
| 2002 | 18,876 | 258 | 37,379 | 9,955 | 5,345 | 91,548 | 6,734 | 13,256 | 164,216 | 27,346 | 868 | 1,480 |
| 2003 | 18,709 | 263 | 42,026 | 11,461 | 5,686 | 93,019 | 10,664 | 14,246 | 177,102 | 24,816 | 1,782 | 1,951 |
| 2004 | 18,205 | 277 | 45,636 | 16,754 | 5,452 | 94,821 | 11,525 | 15,508 | 189,696 | 28,315 | 1,583 | 2,056 |
| 2005 | 18,335 | 300 | 45,306 | 18,845 | 5,767 | 95,311 | 9,875 | 14,751 | 189,855 | 27,918 | 1,484 | 1,610 |
| 2006 | 17,289 | 274 | 45,937 | 18,809 | 5,171 | 97,076 | 3,709 | R 10,829 | R 181,531 | 27,594 | 1,351 | 4,149 |
| 2007 | 18,131 | 320 | 44,591 | 19,024 | 5,231 | 99,021 | 5,143 | R 10,215 | R 183,225 | 27,268 | 1,248 | 5,415 |
| 2008 | 16,569 | 299 | R 40,647 | 16,520 | 5,338 | 95,463 | 4,329 | R 8,129 | R 170,427 | 27,931 | 1,011 | 6,713 |
| 2009 | 13,355 | 319 | 34,271 | 15,693 | 5,621 | 94,527 | 3,047 | 7,107 | 160,266 | 28,212 | 1,479 | 8,616 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Virginia
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 316.4 | 68.4 | 82.4 | 24.0 | 4.6 | 163.2 | 112.1 | 56.1 | 442.5 | 827.3 | *68.4* | *163.2* |
| 1965 | 386.3 | 98.6 | 108.4 | 35.8 | 6.6 | 189.7 | 105.5 | 72.3 | 518.2 | 1,003.2 | *98.6* | *189.7* |
| 1970 | 275.3 | 140.1 | 143.5 | 61.9 | 9.1 | 255.7 | 209.8 | 72.1 | 752.2 | 1,167.5 | *140.1* | *255.7* |
| 1971 | 230.2 | 147.8 | 142.0 | 65.9 | 9.3 | 271.4 | 254.8 | 72.4 | 815.8 | 1,193.8 | *147.8* | *271.4* |
| 1972 | 198.9 | 159.7 | 146.1 | 65.1 | 10.8 | 289.4 | 281.5 | 72.4 | 865.3 | 1,223.9 | *159.7* | *289.4* |
| 1973 | 195.9 | 156.7 | 157.9 | 68.9 | 10.3 | 306.9 | 281.7 | 63.5 | 889.2 | 1,241.8 | *156.7* | *306.9* |
| 1974 | 177.0 | 146.8 | 147.7 | 63.8 | 10.0 | 304.4 | 276.0 | 56.6 | 858.5 | 1,182.3 | *146.8* | *304.4* |
| 1975 | 169.2 | 123.6 | 133.9 | 64.9 | 11.4 | 311.5 | 257.5 | 49.5 | 828.8 | 1,121.6 | *123.6* | *311.5* |
| 1976 | 202.2 | 125.9 | 146.2 | 67.0 | 11.9 | 327.9 | 248.2 | 75.7 | 876.9 | 1,205.0 | *125.9* | *327.9* |
| 1977 | 187.0 | 120.7 | 164.2 | 70.3 | 12.4 | 338.4 | 259.7 | 82.0 | 926.8 | 1,234.6 | *120.7* | *338.4* |
| 1978 | 170.6 | 136.9 | 153.2 | 69.1 | 11.5 | 349.9 | 237.0 | 87.3 | 908.2 | 1,215.7 | *136.9* | *349.9* |
| 1979 | 213.7 | 137.0 | 192.6 | 67.6 | 13.3 | 330.4 | 222.0 | 99.0 | 924.9 | 1,275.6 | *137.0* | *330.4* |
| 1980 | 231.8 | 160.9 | 143.3 | 68.8 | 11.5 | 310.1 | 155.0 | 90.8 | 779.4 | 1,172.1 | *161.0* | *310.1* |
| 1981 | 264.3 | 154.9 | 137.5 | 62.9 | 10.7 | 311.2 | 85.4 | 61.7 | 669.5 | 1,088.7 | *155.4* | *311.2* |
| 1982 | 259.7 | 154.6 | 127.6 | 61.9 | 10.7 | 306.5 | 59.0 | 53.9 | 619.6 | 1,033.9 | *155.0* | *306.5* |
| 1983 | 275.5 | 146.8 | 145.0 | 60.8 | 10.8 | 313.5 | 51.1 | 59.6 | 640.8 | 1,063.2 | *147.2* | *313.5* |
| 1984 | 306.9 | 148.5 | 154.3 | 58.4 | 13.3 | 325.2 | 56.0 | 79.7 | 686.9 | 1,142.3 | *148.8* | *325.2* |
| 1985 | 297.1 | 144.5 | 154.5 | 61.7 | 14.2 | 330.8 | 53.9 | 82.9 | 697.9 | 1,139.5 | *144.9* | *330.8* |
| 1986 | 303.3 | 146.6 | 172.9 | 74.1 | 12.3 | 342.4 | 78.0 | 70.9 | 750.5 | 1,200.3 | *146.7* | *342.4* |
| 1987 | 337.9 | 165.1 | 182.5 | 80.9 | 15.1 | 367.2 | 68.2 | 70.0 | 783.8 | 1,286.8 | *165.3* | *367.2* |
| 1988 | 342.9 | 169.6 | 203.6 | 87.9 | 15.5 | 373.5 | 63.4 | 68.2 | 812.2 | 1,324.6 | *170.2* | *373.5* |
| 1989 | 384.2 | 180.4 | 175.2 | 88.3 | 16.5 | 372.6 | 74.7 | 70.1 | 797.4 | 1,361.9 | *180.8* | *372.6* |
| 1990 | 355.1 | 192.0 | 173.7 | 88.5 | 14.8 | 369.5 | 49.1 | 67.5 | 763.0 | 1,310.1 | *192.1* | *369.5* |
| 1991 | 379.9 | 188.5 | 169.1 | 66.7 | 16.8 | 370.5 | 57.6 | 67.4 | 748.0 | 1,316.5 | *188.7* | *370.5* |
| 1992 | 379.5 | 221.0 | 164.9 | 65.9 | 17.1 | 375.8 | 50.4 | 68.7 | 742.8 | 1,343.3 | *221.2* | *375.8* |
| 1993 | 397.3 | 248.4 | 167.3 | 67.3 | 17.4 | 387.6 | 53.5 | 69.5 | 762.5 | 1,408.2 | *249.0* | *387.8* |
| 1994 | 371.7 | 260.4 | 176.6 | 68.0 | 17.9 | 391.5 | 49.7 | 70.3 | 774.0 | 1,406.1 | *261.6* | *392.5* |
| 1995 | 385.1 | 283.9 | 178.1 | 60.0 | 17.3 | 411.1 | 34.5 | 68.4 | 769.4 | 1,438.4 | *284.3* | *411.1* |
| 1996 | 428.7 | 269.8 | 208.7 | 52.2 | 18.6 | R 409.6 | 25.7 | 74.3 | R 789.1 | R 1,487.7 | *270.6* | *412.9* |
| 1997 | 432.8 | 259.6 | 219.7 | 53.3 | 18.9 | R 422.0 | 32.7 | 77.2 | R 823.8 | R 1,516.2 | *259.9* | *424.5* |
| 1998 | 438.5 | 271.4 | 208.9 | 57.8 | 14.5 | R 425.2 | 46.1 | 83.1 | R 835.6 | R 1,545.5 | *271.5* | *428.4* |
| 1999 | 444.5 | 287.1 | 209.4 | 52.8 | 16.6 | 439.2 | 47.1 | 86.0 | R 851.1 | R 1,582.8 | *287.3* | *442.0* |
| 2000 | 507.0 | 277.7 | 231.0 | 56.4 | 22.0 | R 443.0 | 62.2 | 78.5 | 893.1 | R 1,677.8 | *278.2* | *446.1* |
| 2001 | 487.6 | 246.4 | 228.9 | 56.6 | 17.4 | R 470.1 | 57.2 | 87.3 | R 917.5 | R 1,651.5 | *246.7* | *473.0* |
| 2002 | 482.8 | 266.9 | 217.7 | 56.4 | 19.3 | R 471.6 | 42.3 | 77.3 | R 884.8 | R 1,634.4 | *267.0* | *476.8* |
| 2003 | 464.4 | 272.1 | 244.8 | 65.0 | 20.6 | R 477.6 | 67.0 | 83.4 | R 958.4 | R 1,694.8 | *272.4* | *484.4* |
| 2004 | 452.6 | 285.6 | 265.8 | 95.0 | 19.7 | R 487.4 | 72.5 | 91.0 | R 1,031.3 | R 1,769.5 | *285.8* | *494.5* |
| 2005 | 458.5 | 311.5 | 263.9 | 106.9 | 20.9 | R 491.7 | 62.1 | 86.9 | R 1,032.4 | R 1,802.4 | *311.7* | *497.3* |
| 2006 | 433.6 | 283.5 | 267.6 | 106.6 | 18.6 | R 492.1 | 23.3 | R 65.7 | R 974.0 | R 1,691.1 | *283.5* | *506.5* |
| 2007 | 458.2 | 332.6 | 259.7 | 107.9 | 18.8 | R 498.0 | 32.3 | R 61.7 | R 978.5 | R 1,769.3 | *332.7* | *516.8* |
| 2008 | 415.1 | R 310.6 | R 236.8 | 93.7 | 19.2 | R 474.8 | 27.2 | R 48.8 | R 900.6 | R 1,626.3 | R *310.7* | *498.1* |
| 2009 | 334.6 | 330.3 | 199.6 | 89.0 | 20.0 | 463.4 | 19.2 | 42.8 | 834.0 | 1,498.9 | *330.6* | *493.2* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Virginia (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 13.6 | 56.1 | NA | NA | 56.1 | 0.0 | NA | NA | 69.7 | -45.5 | 0.0 | 851.5 |
| 1965 | 0.0 | 9.2 | 54.2 | NA | NA | 54.2 | 0.0 | NA | NA | 63.4 | -15.8 | 0.0 | 1,050.8 |
| 1970 | 0.0 | 7.3 | 55.5 | NA | NA | 55.5 | 0.0 | NA | NA | 62.7 | R 55.2 | 0.0 | R 1,285.5 |
| 1971 | 0.0 | 11.8 | 54.6 | NA | NA | 54.6 | 0.0 | NA | NA | 66.4 | R 66.0 | 0.0 | R 1,326.2 |
| 1972 | 4.8 | 14.6 | 55.9 | NA | NA | 55.9 | 0.0 | NA | NA | 70.5 | R 80.7 | 0.0 | R 1,379.9 |
| 1973 | 74.8 | 13.7 | 55.5 | NA | NA | 55.5 | 0.0 | NA | NA | 69.2 | R 54.2 | 0.0 | R 1,440.0 |
| 1974 | 66.4 | 11.3 | 54.8 | NA | NA | 54.8 | 0.0 | NA | NA | 66.1 | R 72.6 | 0.0 | R 1,387.4 |
| 1975 | 98.8 | 13.6 | 53.2 | NA | NA | 53.2 | 0.0 | NA | NA | 66.9 | R 76.2 | 0.0 | R 1,363.4 |
| 1976 | 85.5 | 9.2 | 66.8 | NA | NA | 66.8 | 0.0 | NA | NA | 76.0 | R 97.5 | 0.0 | R 1,464.1 |
| 1977 | 102.1 | 7.4 | 66.4 | NA | NA | 66.4 | 0.0 | NA | NA | 73.8 | R 101.7 | 0.0 | R 1,512.2 |
| 1978 | 154.2 | 13.3 | 73.1 | NA | NA | 73.1 | 0.0 | NA | NA | 86.4 | R 88.6 | 0.0 | R 1,545.0 |
| 1979 | 76.8 | 16.0 | 79.2 | NA | NA | 79.2 | 0.0 | NA | NA | 95.2 | R 159.3 | 0.0 | R 1,606.8 |
| 1980 | 125.1 | 9.3 | 76.3 | NA | NA | 76.3 | 0.0 | NA | NA | 85.6 | R 189.5 | 0.0 | R 1,572.3 |
| 1981 | 196.5 | 3.8 | 75.4 | (s) | (s) | 75.5 | 0.0 | NA | NA | 79.3 | R 170.9 | 0.0 | R 1,535.4 |
| 1982 | 192.9 | 9.8 | 83.4 | 0.3 | 0.1 | 83.8 | 0.0 | NA | NA | 93.6 | R 196.2 | 0.0 | R 1,516.6 |
| 1983 | 203.6 | 12.7 | 82.7 | 0.4 | 0.2 | 83.3 | 0.0 | NA | 0.0 | 96.0 | R 209.3 | 0.0 | R 1,572.1 |
| 1984 | 184.8 | 12.3 | 90.0 | 1.0 | 0.3 | 91.3 | 0.0 | 0.0 | 0.0 | R 103.6 | R 220.8 | 0.0 | R 1,651.6 |
| 1985 | 236.9 | 8.8 | 90.5 | 2.3 | 0.3 | 93.1 | 0.0 | 0.0 | 0.0 | R 101.9 | R 206.7 | 0.0 | R 1,685.1 |
| 1986 | 224.4 | 0.8 | 82.2 | 3.2 | 0.3 | R 85.7 | 0.0 | 0.0 | 0.0 | R 86.5 | R 254.8 | 0.0 | R 1,766.0 |
| 1987 | 189.5 | 8.7 | 76.4 | 2.6 | 0.3 | 79.4 | 0.0 | 0.0 | 0.0 | 88.1 | R 291.8 | 0.0 | R 1,856.2 |
| 1988 | 223.0 | -2.0 | 79.7 | 2.4 | 0.3 | R 82.4 | 0.0 | (s) | 0.0 | R 80.4 | R 302.9 | 0.0 | R 1,931.0 |
| 1989 | 151.0 | 4.4 | 91.3 | 2.5 | 0.3 | R 94.1 | 0.1 | 0.1 | 0.0 | R 98.7 | R 362.5 | 0.0 | R 1,974.1 |
| 1990 | 252.1 | 13.6 | 90.4 | 1.3 | 0.2 | 92.0 | 0.1 | 0.1 | 0.0 | 105.9 | R 291.4 | 0.0 | R 1,959.4 |
| 1991 | 250.4 | 11.3 | 94.5 | 1.3 | 0.3 | 96.1 | 0.2 | 0.1 | 0.0 | R 107.6 | R 288.6 | 0.0 | R 1,963.0 |
| 1992 | 244.3 | 11.3 | 98.1 | 1.0 | 0.2 | 99.3 | 0.2 | 0.1 | 0.0 | 110.9 | R 284.8 | 0.0 | R 1,983.3 |
| 1993 | 238.3 | 13.5 | 104.8 | 0.2 | 0.3 | R 105.2 | 0.2 | 0.1 | 0.0 | 119.1 | R 287.8 | 0.0 | R 2,053.4 |
| 1994 | 265.8 | 11.8 | 109.9 | 1.0 | 0.2 | 111.1 | 0.2 | 0.1 | 0.0 | 123.3 | R 284.0 | 0.0 | R 2,079.2 |
| 1995 | 264.1 | 10.3 | 115.4 | (s) | 0.2 | 115.6 | 0.2 | 0.1 | 0.0 | 126.2 | R 311.9 | 0.0 | R 2,140.6 |
| 1996 | 276.1 | 14.8 | 121.0 | 3.3 | 0.1 | R 124.4 | 0.3 | 0.1 | 0.0 | R 139.6 | R 300.2 | 0.0 | R 2,203.6 |
| 1997 | 284.2 | 10.4 | 112.5 | 2.6 | 0.1 | R 115.1 | 0.3 | 0.1 | 0.0 | R 126.0 | R 282.4 | 0.0 | R 2,208.8 |
| 1998 | 285.7 | 13.1 | 109.2 | 3.2 | 0.1 | R 112.5 | 0.4 | 0.1 | 0.0 | R 126.1 | R 281.0 | 0.0 | R 2,238.3 |
| 1999 | 295.7 | 7.0 | 112.8 | 2.7 | 0.1 | R 115.6 | 0.4 | 0.1 | 0.0 | R 123.1 | R 290.5 | 0.0 | R 2,292.1 |
| 2000 | 295.4 | 7.3 | 106.4 | 3.1 | 0.1 | 109.6 | 0.4 | 0.1 | 0.0 | R 117.3 | R 290.0 | 0.0 | R 2,380.5 |
| 2001 | 269.0 | 10.5 | 81.6 | 2.9 | 0.1 | R 84.6 | 0.4 | 0.2 | 0.0 | 95.7 | R 297.2 | 0.0 | R 2,313.3 |
| 2002 | 285.5 | 8.8 | 67.4 | 5.1 | 0.1 | R 72.6 | 0.5 | 0.2 | 0.0 | R 82.1 | R 335.0 | (s) | R 2,337.1 |
| 2003 | 258.6 | 18.2 | 85.3 | 6.8 | (s) | R 92.1 | 0.6 | 0.2 | 0.0 | R 111.2 | R 353.9 | (s) | R 2,418.5 |
| 2004 | 295.2 | 15.9 | 94.0 | 7.1 | 0.0 | R 101.2 | 0.7 | 0.2 | 0.0 | R 118.0 | R 360.7 | 0.0 | R 2,543.4 |
| 2005 | 291.4 | 14.8 | R 110.9 | 5.6 | 0.0 | R 116.5 | 0.8 | 0.3 | 0.0 | R 132.4 | R 379.1 | 0.0 | R 2,605.2 |
| 2006 | 288.0 | 13.4 | R 104.5 | 14.4 | 0.0 | R 118.9 | 0.9 | 0.4 | 0.0 | R 133.6 | R 410.6 | 0.0 | R 2,523.2 |
| 2007 | 285.9 | 12.3 | R 103.3 | 18.8 | 0.0 | R 122.1 | 1.0 | R 0.5 | 0.0 | R 136.0 | R 398.9 | 0.0 | R 2,590.1 |
| 2008 | 292.0 | 10.0 | R 105.3 | 23.3 | 0.0 | R 128.6 | 1.2 | 0.7 | 0.0 | R 140.3 | R 438.3 | 0.0 | R 2,496.9 |
| 2009 | 295.1 | 14.4 | 98.5 | 29.8 | 0.0 | 128.3 | 1.4 | 0.7 | 0.0 | 144.9 | 446.9 | 0.0 | 2,385.8 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 5,879 | 65 | 14,140 | 4,441 | 1,146 | 31,077 | 17,695 | 9,512 | 78,012 | 79 | – – | – – | – – | – – | 11,561 | – – | – – | – – |
| 1965 | 6,639 | 93 | 18,602 | 6,504 | 1,658 | 36,104 | 16,610 | 12,257 | 91,734 | 87 | – – | – – | – – | – – | 18,583 | – – | – – | – – |
| 1970 | 4,650 | 132 | 23,919 | 11,093 | 2,412 | 48,684 | 16,288 | 11,375 | 113,772 | 41 | – – | – – | – – | – – | 29,816 | – – | – – | – – |
| 1975 | 3,139 | 121 | 22,372 | 11,602 | 3,077 | 59,293 | 14,212 | 8,265 | 118,822 | 38 | – – | – – | – – | – – | 39,322 | – – | – – | – – |
| 1980 | 3,731 | 156 | 23,806 | 12,279 | 3,131 | 59,035 | 10,065 | 15,736 | 124,052 | 27 | – – | – – | – – | – – | 48,369 | – – | – – | – – |
| 1985 | 4,490 | 138 | 26,179 | 11,038 | 3,932 | 62,979 | 7,270 | 14,020 | 125,418 | 27 | – – | – – | – – | – – | 57,681 | – – | – – | – – |
| 1990 | 4,877 | 175 | 29,259 | 15,806 | 4,088 | 70,333 | 6,386 | 11,097 | 136,969 | 0 | – – | – – | – – | – – | 72,696 | – – | – – | – – |
| 1995 | 3,836 | 231 | 29,897 | 10,589 | 4,783 | 78,828 | 3,905 | 11,503 | 139,505 | 14 | – – | – – | – – | – – | 85,162 | – – | – – | – – |
| 2000 | 3,508 | 232 | 38,697 | 9,943 | 6,097 | 85,628 | 6,522 | 13,345 | 160,233 | 13 | – – | – – | – – | – – | 96,715 | – – | – – | – – |
| 2001 | 3,622 | 205 | 37,855 | 9,981 | 4,825 | 90,793 | 2,551 | 14,862 | 160,866 | 1 | – – | – – | – – | – – | 96,453 | – – | – – | – – |
| 2002 | 3,459 | 223 | 36,840 | 9,955 | 5,345 | 91,548 | 1,597 | 13,256 | 158,541 | 2 | – – | – – | – – | – – | 100,619 | – – | – – | – – |
| 2003 | 3,509 | 228 | 39,466 | 11,461 | 5,686 | 93,019 | 4,063 | 14,246 | 167,941 | 6 | – – | – – | – – | – – | 101,510 | – – | – – | – – |
| 2004 | 3,323 | 229 | 44,413 | 16,754 | 5,452 | 94,821 | 4,591 | 15,508 | 181,539 | (s) | – – | – – | – – | – – | 105,424 | – – | – – | – – |
| 2005 | 3,416 | 233 | 43,901 | 18,845 | 5,767 | 95,311 | 4,419 | 14,751 | 182,993 | 13 | – – | – – | – – | – – | 108,850 | – – | – – | – – |
| 2006 | 3,094 | 214 | 45,476 | 18,809 | 5,171 | 97,076 | 2,858 | 10,829 | 180,219 | 6 | – – | – – | – – | – – | 106,721 | – – | – – | – – |
| 2007 | 3,218 | 229 | 43,477 | 19,024 | 5,231 | 99,021 | 2,977 | 10,215 | 179,944 | 7 | – – | – – | – – | – – | 111,570 | – – | – – | – – |
| 2008 | 3,200 | 222 | 39,892 | 16,520 | 5,338 | 95,463 | 3,106 | 8,129 | 168,448 | 9 | – – | – – | – – | – – | 110,106 | – – | – – | – – |
| 2009 | 2,552 | 224 | 33,273 | 15,693 | 5,621 | 94,527 | 2,301 | 7,107 | 158,522 | 10 | – – | – – | – – | – – | 108,462 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 149.0 | 66.9 | 82.4 | 24.0 | 4.6 | 163.2 | 111.2 | 56.1 | 441.6 | 0.8 | 56.1 | NA | NA | NA | 39.4 | 754.0 | 97.6 | 851.5 |
| 1965 | 167.5 | 96.3 | 108.4 | 35.8 | 6.6 | 189.7 | 104.4 | 72.3 | 517.1 | 0.9 | 54.2 | NA | NA | NA | 63.4 | 899.4 | 151.4 | 1,050.8 |
| 1970 | 110.7 | 135.7 | 139.3 | 61.9 | 9.1 | 255.7 | 102.4 | 66.9 | 635.4 | 0.4 | 55.5 | NA | NA | NA | 101.7 | 1,039.4 | 246.1 | 1,285.5 |
| 1975 | 73.7 | 123.1 | 130.3 | 64.9 | 11.4 | 311.5 | 89.4 | 49.5 | 657.0 | 0.4 | 53.2 | NA | NA | NA | 134.2 | 1,041.6 | 321.8 | 1,363.4 |
| 1980 | 92.8 | 158.5 | 138.7 | 68.8 | 11.5 | 310.1 | 63.3 | 90.8 | 683.1 | 0.3 | 76.3 | NA | NA | NA | 165.0 | 1,175.8 | 396.5 | 1,572.3 |
| 1985 | 113.5 | 143.3 | 152.5 | 61.7 | 14.2 | 330.8 | 45.7 | 82.9 | 687.8 | 0.3 | 90.5 | 0.3 | NA | NA | 196.8 | 1,234.3 | 450.8 | 1,685.1 |
| 1990 | 123.8 | 182.0 | 170.4 | 88.5 | 14.8 | 369.5 | 40.1 | 67.5 | 750.9 | 0.0 | 83.8 | 0.2 | 0.1 | 0.1 | 248.0 | 1,390.3 | 569.1 | 1,959.4 |
| 1995 | 97.8 | 237.9 | 174.2 | 60.0 | 17.3 | 411.1 | 24.5 | 68.4 | 755.5 | 0.1 | 102.4 | 0.2 | 0.2 | 0.1 | 290.6 | 1,484.7 | 655.9 | 2,140.6 |
| 2000 | 93.7 | 240.1 | 225.4 | 56.4 | 22.0 | 446.1 | 41.0 | 78.5 | 869.4 | 0.1 | 100.7 | 0.1 | 0.4 | 0.1 | 330.0 | 1,634.2 | 746.4 | 2,380.5 |
| 2001 | 96.2 | 212.5 | 220.5 | 56.6 | 17.4 | 473.0 | 16.0 | 87.3 | 870.9 | (s) | 75.0 | 0.1 | 0.4 | 0.2 | 329.1 | 1,584.2 | 729.1 | 2,313.3 |
| 2002 | 90.9 | 231.2 | 214.6 | 56.4 | 19.3 | 476.8 | 10.0 | 77.3 | 854.5 | (s) | 55.8 | 0.1 | 0.5 | 0.2 | 343.3 | 1,576.3 | 760.8 | 2,337.1 |
| 2003 | 93.5 | 236.2 | 229.9 | 65.0 | 20.6 | 484.4 | 25.5 | 83.4 | 908.8 | 0.1 | 73.2 | (s) | 0.6 | 0.2 | 346.4 | 1,658.7 | 759.8 | 2,418.5 |
| 2004 | 88.4 | 235.7 | 258.7 | 95.0 | 19.7 | 494.5 | 28.9 | 91.0 | 987.7 | (s) | 79.9 | 0.0 | 0.7 | 0.2 | 359.7 | 1,752.2 | 791.2 | 2,543.4 |
| 2005 | 89.9 | 242.6 | 255.7 | 106.9 | 20.9 | 497.3 | 27.8 | 86.9 | 995.5 | 0.1 | 97.1 | 0.0 | 0.8 | 0.3 | 371.4 | 1,797.6 | 807.6 | 2,605.2 |
| 2006 | 81.2 | 221.4 | 264.9 | 106.6 | 18.6 | 506.5 | 18.0 | 65.7 | 980.4 | 0.1 | 91.9 | 0.0 | 0.9 | 0.4 | 364.1 | 1,740.4 | 782.8 | 2,523.2 |
| 2007 | 84.5 | 239.5 | 253.3 | 107.9 | 18.8 | 516.8 | 18.7 | 61.7 | 977.1 | 0.1 | 90.2 | 0.0 | 1.0 | 0.5 | 380.7 | 1,773.6 | 816.5 | 2,590.1 |
| 2008 | 83.8 | 230.7 | 232.4 | 93.7 | 19.2 | 498.1 | 19.5 | 48.8 | 911.8 | 0.1 | 89.0 | 0.0 | 1.2 | 0.7 | 375.7 | 1,692.8 | 804.1 | 2,496.9 |
| 2009 | 66.6 | 232.2 | 193.8 | 89.0 | 20.0 | 493.2 | 14.5 | 42.8 | 853.3 | 0.1 | 82.8 | 0.0 | 1.4 | 0.7 | 370.1 | 1,607.0 | 778.8 | 2,385.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 766 | 27 | 6,520 | 4,655 | 608 | 11,783 | 1,499 | – – | – – | 4,099 | – – | – – | – – |
| 1965 | 454 | 36 | 7,471 | 4,847 | 939 | 13,257 | 1,110 | – – | – – | 6,557 | – – | – – | – – |
| 1970 | 264 | 50 | 9,734 | 4,544 | 1,185 | 15,462 | 882 | – – | – – | 11,546 | – – | – – | – – |
| 1975 | 97 | 49 | 9,091 | 2,056 | 1,293 | 12,440 | 925 | – – | – – | 15,871 | – – | – – | – – |
| 1980 | 41 | 55 | 7,380 | 1,403 | 1,247 | 10,030 | 1,027 | – – | – – | 19,731 | – – | – – | – – |
| 1985 | 60 | 49 | 5,738 | 3,611 | 1,495 | 10,844 | 1,259 | – – | – – | 22,568 | – – | – – | – – |
| 1990 | 47 | 51 | 6,069 | 1,160 | 1,759 | 8,988 | 518 | – – | – – | 28,130 | – – | – – | – – |
| 1995 | 37 | 69 | 5,162 | 1,220 | 2,380 | 8,762 | 779 | – – | – – | 33,472 | – – | – – | – – |
| 1996 | 47 | 76 | 5,770 | 1,544 | 2,640 | 9,954 | 809 | – – | – – | 34,651 | – – | – – | – – |
| 1997 | 20 | 74 | 5,214 | 1,583 | 2,848 | 9,644 | 618 | – – | – – | 33,923 | – – | – – | – – |
| 1998 | 19 | 63 | 5,021 | 2,053 | 2,173 | 9,247 | 549 | – – | – – | 34,703 | – – | – – | – – |
| 1999 | 15 | 69 | 4,951 | 1,548 | 2,424 | 8,924 | 578 | – – | – – | 35,779 | – – | – – | – – |
| 2000 | 9 | 80 | 5,679 | 1,642 | 2,899 | 10,219 | 621 | – – | – – | 37,541 | – – | – – | – – |
| 2001 | 14 | 70 | 5,187 | 1,681 | 2,633 | 9,500 | 395 | – – | – – | 37,325 | – – | – – | – – |
| 2002 | 9 | 75 | 4,884 | 935 | 2,534 | 8,353 | 401 | – – | – – | 40,358 | – – | – – | – – |
| 2003 | 14 | 85 | 5,144 | 1,261 | 3,150 | 9,555 | 422 | – – | – – | 40,877 | – – | – – | – – |
| 2004 | 9 | 83 | 5,601 | 1,454 | 3,327 | 10,382 | 433 | – – | – – | 42,503 | – – | – – | – – |
| 2005 | 10 | 85 | 5,390 | 1,426 | 3,195 | 10,010 | R 760 | – – | – – | 44,662 | – – | – – | – – |
| 2006 | 2 | 72 | 4,524 | 1,139 | 2,551 | 8,214 | R 692 | – – | – – | 42,906 | – – | – – | – – |
| 2007 | 8 | 81 | 4,358 | 740 | 2,914 | 8,012 | R 763 | – – | – – | 45,481 | – – | – – | – – |
| 2008 | 7 | 80 | R 4,016 | 348 | 3,098 | R 7,462 | R 799 | – – | – – | 44,597 | – – | – – | – – |
| 2009 | 9 | 84 | 3,107 | 287 | 3,511 | 6,904 | 763 | – – | – – | 44,763 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 19.0 | 27.9 | 38.0 | 26.4 | 2.4 | 66.8 | 30.0 | NA | NA | 14.0 | 157.6 | 34.6 | 192.2 |
| 1965 | 11.2 | 37.4 | 43.5 | 27.5 | 3.8 | 74.8 | 22.2 | NA | NA | 22.4 | 168.0 | 53.4 | 221.4 |
| 1970 | 6.3 | 50.8 | 56.7 | 25.8 | 4.5 | 86.9 | 17.6 | NA | NA | 39.4 | 201.1 | 95.3 | R 296.4 |
| 1975 | 2.3 | 49.7 | 53.0 | 11.7 | 4.8 | 69.4 | 18.5 | NA | NA | 54.2 | 194.0 | R 129.9 | R 323.9 |
| 1980 | 1.0 | 55.6 | 43.0 | 8.0 | 4.6 | 55.5 | 20.5 | NA | NA | 67.3 | 200.0 | R 161.7 | R 361.7 |
| 1985 | 1.5 | 50.7 | 33.4 | 20.5 | 5.4 | 59.3 | 25.2 | NA | NA | 77.0 | 213.4 | R 176.4 | R 389.8 |
| 1990 | 1.2 | 53.6 | 35.4 | 6.6 | 6.4 | 48.3 | 10.4 | 0.1 | 0.1 | 96.0 | 209.7 | R 220.2 | R 429.9 |
| 1995 | 0.9 | 70.8 | 30.1 | 6.9 | 8.6 | 45.6 | 15.6 | 0.1 | 0.1 | 114.2 | 247.3 | R 257.8 | R 505.1 |
| 1996 | 1.2 | 79.2 | 33.6 | 8.8 | 9.5 | 51.9 | 16.2 | 0.1 | 0.1 | 118.2 | 266.8 | R 267.2 | R 533.9 |
| 1997 | 0.5 | 77.1 | 30.4 | 9.0 | 10.3 | 49.6 | 12.4 | 0.1 | 0.1 | 115.7 | 255.6 | R 260.6 | R 516.1 |
| 1998 | 0.5 | 66.0 | 29.2 | 11.6 | 7.9 | 48.7 | 11.0 | 0.1 | 0.1 | 118.4 | 244.8 | R 266.8 | R 511.7 |
| 1999 | 0.4 | 71.8 | 28.8 | 8.8 | 8.8 | 46.4 | 11.6 | 0.2 | 0.1 | 122.1 | 252.5 | R 277.5 | R 530.0 |
| 2000 | 0.2 | 82.5 | 33.1 | 9.3 | 10.5 | 52.8 | 12.4 | 0.2 | 0.1 | 128.1 | 276.2 | R 289.7 | R 565.9 |
| 2001 | 0.4 | 72.9 | 30.2 | 9.5 | 9.5 | 49.3 | 7.9 | 0.2 | 0.2 | 127.4 | 258.1 | R 282.2 | R 540.2 |
| 2002 | 0.2 | 78.2 | 28.4 | 5.3 | 9.2 | 42.9 | 8.0 | 0.2 | 0.2 | 137.7 | 267.4 | R 305.2 | R 572.5 |
| 2003 | 0.3 | 88.5 | 30.0 | 7.1 | 11.4 | 48.5 | 8.4 | 0.3 | 0.2 | 139.5 | 285.7 | R 306.0 | R 591.6 |
| 2004 | 0.2 | 85.3 | 32.6 | 8.2 | 12.0 | 52.9 | 8.7 | 0.3 | 0.2 | 145.0 | 292.6 | R 319.0 | R 611.6 |
| 2005 | 0.2 | 89.0 | 31.4 | 8.1 | 11.6 | 51.0 | R 15.2 | 0.3 | 0.3 | 152.4 | R 308.4 | R 331.4 | R 639.8 |
| 2006 | 0.1 | 74.2 | 26.4 | 6.5 | 9.2 | 42.0 | R 13.8 | 0.4 | 0.4 | 146.4 | R 277.3 | R 314.7 | R 592.0 |
| 2007 | 0.2 | 84.5 | 25.4 | 4.2 | 10.5 | 40.0 | R 15.3 | 0.5 | R 0.5 | 155.2 | R 296.2 | R 332.9 | R 629.0 |
| 2008 | 0.2 | 82.7 | R 23.4 | 2.0 | 11.2 | R 36.5 | R 16.0 | 0.6 | 0.7 | 152.2 | R 288.7 | R 325.7 | R 614.4 |
| 2009 | 0.2 | 87.4 | 18.1 | 1.6 | 12.5 | 32.2 | 15.3 | 0.7 | 0.7 | 152.7 | 289.2 | 321.4 | 610.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 533 | 11 | 1,388 | 93 | 256 | 223 | 175 | 2,135 | NA | – – | – – | 3,676 | – – | – – | – – |
| 1965 | 342 | 15 | 1,591 | 97 | 395 | 275 | 211 | 2,567 | NA | – – | – – | 6,192 | – – | – – | – – |
| 1970 | 207 | 30 | 2,072 | 91 | 498 | 210 | 118 | 2,989 | NA | – – | – – | 10,804 | – – | – – | – – |
| 1975 | 226 | 32 | 1,935 | 41 | 543 | 310 | 245 | 3,075 | NA | – – | – – | 14,014 | – – | – – | – – |
| 1980 | 152 | 38 | 1,634 | 46 | 524 | 371 | 443 | 3,018 | NA | – – | – – | 16,969 | – – | – – | – – |
| 1985 | 211 | 34 | 2,747 | 214 | 629 | 456 | 443 | 4,489 | NA | – – | – – | 21,491 | – – | – – | – – |
| 1990 | 189 | 41 | 2,815 | 139 | 740 | 478 | 218 | 4,390 | 0 | – – | – – | 28,082 | – – | – – | – – |
| 1995 | 248 | 57 | 2,657 | 275 | 1,001 | 132 | 205 | 4,269 | 0 | – – | – – | 33,051 | – – | – – | – – |
| 1996 | 348 | 59 | 3,398 | 277 | 1,110 | 130 | 253 | 5,169 | 0 | – – | – – | 33,839 | – – | – – | – – |
| 1997 | 162 | 62 | 2,974 | 372 | 1,197 | 137 | 128 | 4,807 | 0 | – – | – – | 34,165 | – – | – – | – – |
| 1998 | 153 | 58 | 3,097 | 433 | 914 | 123 | 112 | 4,680 | 0 | – – | – – | 35,793 | – – | – – | – – |
| 1999 | 109 | 62 | 2,864 | 317 | 1,019 | 166 | 182 | 4,548 | 0 | – – | – – | 36,893 | – – | – – | – – |
| 2000 | 74 | 66 | 3,322 | 276 | 1,219 | 122 | 431 | 5,369 | 0 | – – | – – | 38,459 | – – | – – | – – |
| 2001 | 115 | 60 | 2,959 | 228 | 1,107 | 124 | 282 | 4,700 | 0 | – – | – – | 39,329 | – – | – – | – – |
| 2002 | 68 | 63 | 2,457 | 88 | 1,065 | 127 | 74 | 3,811 | 0 | – – | – – | 40,642 | – – | – – | – – |
| 2003 | 92 | 64 | 3,150 | 195 | 1,402 | 123 | 405 | 5,275 | 0 | – – | – – | 41,179 | – – | – – | – – |
| 2004 | 83 | 65 | 3,027 | 242 | 1,313 | 124 | 316 | 5,022 | 0 | – – | – – | 43,025 | – – | – – | – – |
| 2005 | 111 | 66 | 2,980 | 203 | 1,261 | 115 | 83 | 4,642 | 0 | – – | – – | 44,670 | – – | – – | – – |
| 2006 | 24 | 62 | 2,692 | 168 | 1,093 | 100 | 37 | 4,090 | 0 | – – | – – | 44,654 | – – | – – | – – |
| 2007 | 75 | 66 | 2,088 | 162 | 1,173 | 116 | 18 | 3,557 | 0 | – – | – – | 46,971 | – – | – – | – – |
| 2008 | 67 | 67 | R 1,540 | 29 | 1,445 | 104 | 20 | R 3,138 | 0 | – – | – – | 46,878 | – – | – – | – – |
| 2009 | 81 | 68 | 1,375 | 28 | 1,358 | 98 | 22 | 2,882 | 0 | – – | – – | 46,828 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 13.2 | 11.7 | 8.1 | 0.5 | 1.0 | 1.2 | 1.1 | 11.9 | NA | 0.6 | NA | 12.5 | 50.0 | 31.0 | 81.0 |
| 1965 | 8.4 | 15.3 | 9.3 | 0.5 | 1.6 | 1.4 | 1.3 | 14.2 | NA | 0.4 | NA | 21.1 | 59.4 | 50.4 | R 109.8 |
| 1970 | 4.9 | 30.9 | 12.1 | 0.5 | 1.9 | 1.1 | 0.7 | 16.3 | NA | 0.3 | NA | 36.9 | 89.3 | 89.2 | 178.5 |
| 1975 | 5.3 | 33.0 | 11.3 | 0.2 | 2.0 | 1.6 | 1.5 | 16.7 | NA | 0.4 | NA | 47.8 | 103.1 | R 114.7 | R 217.8 |
| 1980 | 3.7 | 39.0 | 9.5 | 0.3 | 1.9 | 1.9 | 2.8 | 16.4 | NA | 0.5 | NA | 57.9 | 117.6 | R 139.1 | R 256.7 |
| 1985 | 5.3 | 35.3 | 16.0 | 1.2 | 2.3 | 2.4 | 2.8 | 24.7 | NA | 0.6 | NA | 73.3 | 139.1 | R 167.9 | R 307.0 |
| 1990 | 4.7 | 42.8 | 16.4 | 0.8 | 2.7 | 2.5 | 1.4 | 23.7 | 0.0 | 7.3 | (s) | 95.8 | 174.4 | R 219.9 | R 394.3 |
| 1995 | 6.2 | 58.7 | 15.5 | 1.6 | 3.6 | 0.7 | 1.3 | 22.6 | 0.0 | 5.4 | 0.1 | 112.8 | 205.8 | R 254.6 | R 460.3 |
| 1996 | 8.7 | 61.6 | 19.8 | 1.6 | 4.0 | 0.7 | 1.6 | 27.6 | 0.0 | 9.1 | 0.1 | 115.5 | 222.5 | R 260.9 | R 483.4 |
| 1997 | 4.0 | 64.6 | 17.3 | 2.1 | 4.3 | 0.7 | 0.8 | 25.3 | 0.0 | 9.5 | 0.2 | 116.6 | 220.0 | R 262.4 | R 482.4 |
| 1998 | 4.0 | 60.8 | 18.0 | 2.5 | 3.3 | 0.6 | 0.7 | 25.1 | 0.0 | 9.7 | 0.2 | 122.1 | 222.1 | R 275.2 | R 497.3 |
| 1999 | 2.9 | 63.8 | 16.7 | 1.8 | 3.7 | 0.9 | 1.1 | 24.2 | 0.0 | 9.3 | 0.2 | 125.9 | 226.2 | R 286.2 | R 512.4 |
| 2000 | 1.9 | 68.4 | 19.3 | 1.6 | 4.4 | 0.6 | 2.7 | 28.7 | 0.0 | 10.1 | 0.2 | 131.2 | 240.4 | R 296.8 | R 537.1 |
| 2001 | 2.9 | 62.1 | 17.2 | 1.3 | 4.0 | 0.6 | 1.8 | 24.9 | 0.0 | 6.2 | 0.3 | 134.2 | 230.4 | R 297.3 | R 527.8 |
| 2002 | 1.7 | 64.9 | 14.3 | 0.5 | 3.8 | 0.7 | 0.5 | 19.8 | 0.0 | 5.4 | 0.3 | 138.7 | 230.7 | R 307.3 | R 538.0 |
| 2003 | 2.3 | 66.4 | 18.3 | 1.1 | 5.1 | 0.6 | 2.5 | 27.7 | 0.0 | 6.4 | 0.4 | 140.5 | 243.6 | R 308.2 | R 551.8 |
| 2004 | 2.1 | 66.5 | 17.6 | 1.4 | 4.8 | 0.6 | 2.0 | 26.4 | 0.0 | 7.2 | 0.4 | 146.8 | 249.4 | R 322.9 | R 572.3 |
| 2005 | 2.8 | 68.6 | 17.4 | 1.2 | 4.6 | 0.6 | 0.5 | 24.2 | 0.0 | R 8.5 | 0.5 | 152.4 | R 256.9 | R 331.4 | R 588.3 |
| 2006 | 0.6 | 64.6 | 15.7 | 1.0 | 3.9 | 0.5 | 0.2 | 21.3 | 0.0 | R 8.2 | 0.5 | 152.4 | R 247.5 | R 327.5 | R 575.1 |
| 2007 | 1.9 | 69.4 | 12.2 | 0.9 | 4.2 | 0.6 | 0.1 | 18.0 | 0.0 | R 7.6 | 0.6 | 160.3 | R 257.6 | R 343.8 | R 601.4 |
| 2008 | 1.8 | 69.5 | R 9.0 | 0.2 | 5.2 | 0.5 | 0.1 | R 15.0 | 0.0 | R 7.5 | 0.6 | 159.9 | R 254.4 | R 342.3 | R 596.7 |
| 2009 | 2.1 | 70.1 | 8.0 | 0.2 | 4.8 | 0.5 | 0.1 | 13.7 | 0.0 | 7.2 | 0.7 | 159.8 | 253.4 | 336.2 | 589.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 4,503 | 22 | 2,133 | 275 | 882 | 5,739 | 3,931 | 12,961 | 79 | – – | – – | – – | 3,786 | – – | – – | – – |
| 1965 | 5,824 | 36 | 2,977 | 301 | 838 | 6,754 | 6,164 | 17,033 | 87 | – – | – – | – – | 5,834 | – – | – – | – – |
| 1970 | 4,172 | 45 | 4,415 | 682 | 653 | 4,170 | 5,954 | 15,874 | 41 | – – | – – | – – | 7,467 | – – | – – | – – |
| 1975 | 2,816 | 37 | 3,128 | 1,184 | 460 | 7,611 | 5,490 | 17,872 | 38 | – – | – – | – – | 9,437 | – – | – – | – – |
| 1980 | 3,538 | 55 | 3,573 | 1,312 | 278 | 5,203 | 13,540 | 23,905 | 27 | – – | – – | – – | 11,637 | – – | – – | – – |
| 1985 | 4,219 | 51 | 3,389 | 1,707 | 686 | 3,408 | 9,582 | 18,772 | 27 | – – | – – | – – | 13,561 | – – | – – | – – |
| 1990 | 4,641 | 75 | 3,625 | 1,526 | 705 | 2,853 | 9,186 | 17,896 | 0 | – – | – – | – – | 16,399 | – – | – – | – – |
| 1995 | 3,551 | 99 | 3,661 | 1,338 | 718 | 1,777 | 9,404 | 16,899 | 14 | – – | – – | – – | 18,554 | – – | – – | – – |
| 1996 | 3,594 | 86 | 4,366 | 1,349 | 766 | 1,790 | 10,241 | 18,512 | 9 | – – | – – | – – | 19,021 | – – | – – | – – |
| 1997 | 3,486 | 87 | 4,997 | 1,124 | 801 | 2,412 | 10,604 | 19,938 | 13 | – – | – – | – – | 19,249 | – – | – – | – – |
| 1998 | 3,385 | 94 | 4,431 | 884 | 794 | 2,012 | 10,995 | 19,115 | 11 | – – | – – | – – | 20,024 | – – | – – | – – |
| 1999 | 3,249 | 97 | 4,279 | 1,130 | 571 | 1,704 | 11,977 | 19,661 | 13 | – – | – – | – – | 20,269 | – – | – – | – – |
| 2000 | 3,425 | 78 | 4,857 | 1,945 | 569 | 1,867 | 10,777 | 20,015 | 13 | – – | – – | – – | 20,619 | – – | – – | – – |
| 2001 | 3,492 | 67 | 5,091 | 1,078 | 1,377 | 1,220 | 12,282 | 21,048 | 1 | – – | – – | – – | 19,702 | – – | – – | – – |
| 2002 | 3,382 | 77 | 4,570 | 1,727 | 1,392 | 686 | 11,599 | 19,974 | 2 | – – | – – | – – | 19,521 | – – | – – | – – |
| 2003 | 3,403 | 71 | 5,797 | 1,084 | 1,398 | 2,092 | 12,210 | 22,581 | 6 | – – | – – | – – | 19,282 | – – | – – | – – |
| 2004 | 3,230 | 76 | 6,758 | 766 | 1,741 | 2,446 | 13,205 | 24,916 | (s) | – – | – – | – – | 19,734 | – – | – – | – – |
| 2005 | 3,295 | 76 | 7,105 | 1,244 | 1,639 | 2,406 | 12,433 | 24,827 | 13 | – – | – – | – – | 19,354 | – – | – – | – – |
| 2006 | 3,068 | 74 | 6,872 | 1,455 | 1,732 | 1,126 | R 9,006 | R 20,191 | 6 | – – | – – | – – | 18,998 | – – | – – | – – |
| 2007 | 3,135 | 75 | 7,114 | 1,081 | 1,081 | 1,631 | R 8,647 | R 19,555 | 7 | – – | – – | – – | 18,925 | – – | – – | – – |
| 2008 | 3,125 | 67 | R 6,691 | R 667 | 817 | 2,064 | R 7,137 | R 17,376 | 9 | – – | – – | – – | 18,438 | – – | – – | – – |
| 2009 | 2,463 | 63 | 3,197 | 669 | 812 | 1,660 | 6,187 | 12,525 | 10 | – – | – – | – – | 16,678 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 114.9 | 23.3 | 12.4 | 1.1 | 4.6 | 36.1 | 24.5 | 78.8 | 0.8 | 25.5 | NA | NA | 12.9 | 256.2 | R 31.9 | 288.2 |
| 1965 | 147.4 | 36.6 | 17.3 | 1.2 | 4.4 | 42.5 | 38.0 | 103.4 | 0.9 | 31.6 | NA | NA | 19.9 | 339.8 | 47.5 | 387.3 |
| 1970 | 99.3 | 46.0 | 25.7 | 2.6 | 3.4 | 26.2 | 36.2 | 94.2 | 0.4 | 37.5 | NA | NA | 25.5 | 302.8 | R 61.6 | 364.5 |
| 1975 | 66.1 | 37.3 | 18.2 | 4.4 | 2.4 | 47.9 | 33.8 | 106.7 | 0.4 | 34.4 | NA | NA | 32.2 | 277.0 | R 77.2 | R 354.3 |
| 1980 | 88.1 | 55.4 | 20.8 | 4.8 | 1.5 | 32.7 | 78.2 | 138.0 | 0.3 | 55.3 | NA | NA | 39.7 | 376.7 | R 95.4 | R 472.1 |
| 1985 | 106.7 | 52.8 | 19.7 | 6.1 | 3.6 | 21.4 | 57.6 | 108.6 | 0.3 | 64.8 | 0.3 | NA | 46.3 | 379.5 | R 106.0 | R 485.5 |
| 1990 | 117.9 | 78.4 | 21.1 | 5.5 | 3.7 | 17.9 | 56.5 | 104.8 | 0.0 | 66.1 | 0.2 | 0.0 | 56.0 | 423.3 | R 128.4 | R 551.7 |
| 1995 | 90.7 | 101.8 | 21.3 | 4.8 | 3.7 | 11.2 | 56.3 | 97.4 | 0.1 | 81.4 | 0.2 | 0.0 | 63.3 | 434.9 | R 142.9 | R 577.8 |
| 1996 | 91.9 | 88.9 | 25.4 | 4.9 | 4.0 | 11.3 | 60.6 | 106.1 | 0.1 | 82.2 | 0.1 | 0.0 | 64.9 | 433.9 | R 146.7 | R 580.6 |
| 1997 | 88.8 | 90.4 | 29.1 | 4.1 | 4.2 | 15.2 | 62.7 | 115.2 | 0.1 | 78.0 | 0.1 | 0.0 | 65.7 | 438.1 | R 147.8 | R 586.0 |
| 1998 | 86.8 | 98.2 | 25.8 | 3.2 | 4.1 | 12.6 | 65.2 | 111.0 | 0.1 | 76.3 | 0.1 | 0.0 | 68.3 | 440.7 | R 154.0 | R 594.7 |
| 1999 | 83.4 | 100.3 | 24.9 | 4.1 | 3.0 | 10.7 | 71.4 | 114.1 | 0.1 | 78.0 | 0.1 | 0.0 | 69.2 | 445.1 | R 157.2 | R 602.4 |
| 2000 | 91.5 | 80.8 | 28.3 | 7.0 | 3.0 | 11.7 | 63.8 | 113.8 | 0.1 | 78.2 | 0.1 | 0.0 | 70.4 | 434.7 | R 159.1 | R 593.8 |
| 2001 | 92.9 | 69.4 | 29.7 | 3.9 | 7.2 | 7.7 | 72.6 | 121.0 | (s) | 61.0 | 0.1 | 0.0 | 67.2 | 411.5 | R 148.9 | R 560.5 |
| 2002 | 88.9 | 79.7 | 26.6 | 6.2 | 7.2 | 4.3 | 67.8 | 112.2 | (s) | 42.4 | 0.1 | 0.0 | 66.6 | 389.9 | R 147.6 | R 537.5 |
| 2003 | 90.9 | 73.9 | 33.8 | 3.9 | 7.3 | 13.1 | 71.7 | 129.9 | 0.1 | 58.4 | (s) | 0.0 | 65.8 | 418.8 | R 144.3 | R 563.1 |
| 2004 | 86.1 | 77.9 | 39.4 | 2.8 | 9.1 | 15.4 | 77.8 | 144.4 | (s) | 64.0 | 0.0 | 0.0 | 67.3 | 439.7 | R 148.1 | R 587.8 |
| 2005 | 86.9 | 79.7 | 41.4 | 4.5 | 8.6 | 15.1 | 73.7 | 143.3 | 0.1 | 73.4 | 0.0 | 0.0 | 66.0 | 449.5 | R 143.6 | R 593.1 |
| 2006 | 80.6 | 76.9 | 40.0 | 5.2 | 9.0 | 7.1 | R 55.2 | R 116.6 | 0.1 | R 69.9 | 0.0 | 0.0 | 64.8 | R 408.8 | R 139.4 | R 548.2 |
| 2007 | 82.5 | 78.2 | 41.4 | 3.9 | 5.6 | 10.3 | R 52.8 | R 114.0 | 0.1 | R 67.4 | 0.0 | 0.0 | 64.6 | R 406.6 | R 138.5 | R 545.1 |
| 2008 | 81.8 | R 69.6 | R 39.0 | 2.4 | 4.3 | 13.0 | R 43.2 | R 101.8 | 0.1 | R 65.5 | 0.0 | 0.0 | 62.9 | R 381.6 | R 134.6 | R 516.3 |
| 2009 | 64.3 | 65.4 | 18.6 | 2.4 | 4.2 | 10.4 | 37.5 | 73.2 | 0.1 | 60.4 | 0.0 | 0.0 | 56.9 | 320.3 | 119.7 | 440.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 77 | 4 | 382 | 4,099 | 4,441 | 7 | 451 | 29,972 | 11,780 | 51,134 | 0 | – – | – – | – – |
| 1965 | 19 | 7 | 721 | 6,564 | 6,504 | 24 | 428 | 34,992 | 9,645 | 58,877 | 0 | – – | – – | – – |
| 1970 | 7 | 8 | 356 | 7,698 | 11,093 | 47 | 430 | 47,821 | 12,000 | 79,446 | 0 | – – | – – | – – |
| 1975 | (s) | 3 | 251 | 8,217 | 11,602 | 57 | 427 | 58,524 | 6,356 | 85,436 | 0 | – – | – – | – – |
| 1980 | 0 | 8 | 218 | 11,219 | 12,279 | 47 | 530 | 58,386 | 4,419 | 87,098 | 32 | – – | – – | – – |
| 1985 | 0 | 4 | 131 | 14,305 | 11,038 | 102 | 482 | 61,837 | 3,419 | 91,313 | 60 | – – | – – | – – |
| 1990 | 0 | 7 | 70 | 16,749 | 15,806 | 63 | 542 | 69,150 | 3,316 | 105,696 | 86 | – – | – – | – – |
| 1995 | 0 | 6 | 85 | 18,418 | 10,589 | 64 | 518 | 77,978 | 1,923 | 109,575 | 86 | – – | – – | – – |
| 1996 | 0 | 8 | 79 | 21,422 | 9,204 | 56 | 502 | 78,268 | 1,217 | 110,748 | 85 | – – | – – | – – |
| 1997 | 0 | 8 | 50 | 22,274 | 9,406 | 48 | 531 | 80,503 | 1,453 | 114,264 | 83 | – – | – – | – – |
| 1998 | 0 | 7 | 90 | 22,842 | 10,192 | 35 | 555 | 81,280 | 1,258 | 116,253 | 88 | – – | – – | – – |
| 1999 | 0 | 8 | 106 | 23,217 | 9,314 | 14 | 561 | 84,077 | 1,220 | 118,509 | 91 | – – | – – | – – |
| 2000 | 0 | 8 | 97 | 24,840 | 9,943 | 35 | 553 | 84,937 | 4,225 | 124,630 | 96 | – – | – – | – – |
| 2001 | 0 | 8 | 165 | 24,618 | 9,981 | 8 | 507 | 89,292 | 1,048 | 125,618 | 97 | – – | – – | – – |
| 2002 | 0 | 8 | 134 | 24,930 | 9,955 | 18 | 501 | 90,030 | 838 | 126,404 | 97 | – – | – – | – – |
| 2003 | 0 | 7 | 117 | 25,375 | 11,461 | 51 | 463 | 91,498 | 1,566 | 130,530 | 172 | – – | – – | – – |
| 2004 | 0 | 6 | 138 | 29,026 | 16,754 | 46 | 469 | 92,956 | 1,829 | 141,219 | 162 | – – | – – | – – |
| 2005 | 0 | 5 | 223 | 28,426 | 18,845 | 67 | 466 | 93,557 | 1,930 | 143,515 | 163 | – – | – – | – – |
| 2006 | 0 | 6 | 61 | 31,389 | 18,809 | 72 | 454 | 95,243 | 1,695 | 147,724 | 163 | – – | – – | – – |
| 2007 | 0 | 7 | 197 | 29,916 | 19,024 | 63 | 469 | 97,824 | 1,327 | 148,820 | 193 | – – | – – | – – |
| 2008 | 0 | 9 | 180 | R 27,644 | 16,520 | R 129 | 436 | 94,542 | 1,022 | R 140,473 | 194 | – – | – – | – – |
| 2009 | 0 | 9 | 214 | 25,593 | 15,693 | 83 | 392 | 93,617 | 619 | 136,210 | 193 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 2.0 | 4.1 | 1.9 | 23.9 | 24.0 | (s) | 2.7 | 157.4 | 74.1 | 284.1 | 0.0 | 290.2 | 0.0 | 290.2 |
| 1965 | 0.5 | 7.0 | 3.6 | 38.2 | 35.8 | 0.1 | 2.6 | 183.8 | 60.6 | 324.8 | 0.0 | 332.2 | 0.0 | 332.2 |
| 1970 | 0.2 | 8.0 | 1.8 | 44.8 | 61.9 | 0.2 | 2.6 | 251.2 | 75.4 | 438.0 | 0.0 | 446.1 | 0.0 | 446.1 |
| 1975 | (s) | 3.1 | 1.3 | 47.9 | 64.9 | 0.2 | 2.6 | 307.4 | 40.0 | 464.3 | 0.0 | 467.4 | 0.0 | 467.4 |
| 1980 | 0.0 | 8.4 | 1.1 | 65.3 | 68.8 | 0.2 | 3.2 | 306.7 | 27.8 | 473.1 | 0.1 | 481.6 | 0.3 | 481.8 |
| 1985 | 0.0 | 4.6 | 0.7 | 83.3 | 61.7 | 0.4 | 2.9 | 324.8 | 21.5 | 495.3 | 0.2 | R 502.3 | 0.5 | 502.8 |
| 1990 | 0.0 | 7.2 | 0.4 | 97.6 | 88.5 | 0.2 | 3.3 | 363.2 | 20.8 | 574.1 | 0.3 | 582.9 | 0.7 | 583.6 |
| 1995 | 0.0 | 6.6 | 0.4 | 107.3 | 60.0 | 0.2 | 3.1 | 406.7 | 12.1 | 589.9 | 0.3 | 596.7 | 0.7 | 597.4 |
| 1996 | 0.0 | 8.2 | 0.4 | 124.8 | 52.2 | 0.2 | 3.0 | 408.2 | 7.7 | 596.5 | 0.3 | 605.0 | 0.7 | 605.7 |
| 1997 | 0.0 | 7.9 | 0.3 | 129.7 | 53.3 | 0.2 | 3.2 | 419.7 | 9.1 | 615.5 | 0.3 | 623.7 | 0.6 | 624.3 |
| 1998 | 0.0 | 7.3 | 0.5 | 133.1 | 57.8 | 0.1 | 3.4 | 423.6 | 7.9 | 626.3 | 0.3 | 634.0 | 0.7 | 634.6 |
| 1999 | 0.0 | 8.5 | 0.5 | 135.2 | 52.8 | (s) | 3.4 | 438.1 | 7.7 | 637.8 | 0.3 | 646.7 | 0.7 | 647.4 |
| 2000 | 0.0 | 8.5 | 0.5 | 144.7 | 56.4 | 0.1 | 3.4 | 442.5 | 26.6 | 674.1 | 0.3 | 682.9 | 0.7 | 683.7 |
| 2001 | 0.0 | 8.1 | 0.8 | 143.4 | 56.6 | (s) | 3.1 | 465.2 | 6.6 | 675.7 | 0.3 | 684.2 | 0.7 | 684.9 |
| 2002 | 0.0 | 8.4 | 0.7 | 145.2 | 56.4 | 0.1 | 3.0 | 468.9 | 5.3 | 679.6 | 0.3 | 688.3 | 0.7 | 689.0 |
| 2003 | 0.0 | 7.4 | 0.6 | 147.8 | 65.0 | 0.2 | 2.8 | 476.4 | 9.8 | 702.6 | 0.6 | 710.7 | 1.3 | 712.0 |
| 2004 | 0.0 | 6.0 | 0.7 | 169.1 | 95.0 | 0.2 | 2.8 | 484.8 | 11.5 | 764.0 | 0.6 | 770.6 | 1.2 | 771.8 |
| 2005 | 0.0 | 5.3 | 1.1 | 165.6 | 106.9 | 0.2 | 2.8 | 488.2 | 12.1 | 776.9 | 0.6 | 782.8 | 1.2 | R 784.0 |
| 2006 | 0.0 | 5.8 | 0.3 | 182.8 | 106.6 | 0.3 | 2.8 | 497.0 | 10.7 | 800.4 | 0.6 | 806.8 | 1.2 | 808.0 |
| 2007 | 0.0 | 7.4 | 1.0 | 174.3 | 107.9 | 0.2 | 2.8 | 510.5 | 8.3 | 805.1 | 0.7 | 813.1 | 1.4 | 814.5 |
| 2008 | 0.0 | R 8.9 | 0.9 | R 161.0 | 93.7 | 0.5 | 2.6 | 493.3 | 6.4 | R 758.5 | 0.7 | R 768.0 | 1.4 | R 769.5 |
| 2009 | 0.0 | 9.2 | 1.1 | 149.1 | 89.0 | 0.3 | 2.4 | 488.5 | 3.9 | 734.2 | 0.7 | 744.1 | 1.4 | 745.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 6,262 | 1 | 130 | 6 | 0 | 136 | 0 | 1,189 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 8,265 | 2 | 170 | 7 | 0 | 178 | 0 | 797 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 6,644 | 4 | 17,085 | 721 | 856 | 18,662 | 0 | 650 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 3,991 | (s) | 26,741 | 624 | 0 | 27,364 | 8,970 | 1,273 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 5,560 | 2 | 14,586 | 793 | 0 | 15,379 | 11,466 | 864 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 7,166 | 2 | 1,301 | 340 | 0 | 1,641 | 22,303 | 818 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 9,083 | 10 | 1,421 | 553 | 0 | 1,973 | 23,820 | 1,309 | – – | 0 | (s) | 0 | 0 | – – |
| 1995 | 11,248 | 45 | 1,577 | 683 | 0 | 2,260 | 25,135 | 981 | – – | 0 | (s) | 0 | 0 | – – |
| 1996 | 12,942 | 32 | 822 | 876 | 0 | 1,698 | 26,286 | 1,419 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 13,496 | 19 | 1,209 | 2,259 | 0 | 3,468 | 27,084 | 1,007 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 13,762 | 38 | 3,950 | 464 | 0 | 4,414 | 27,234 | 1,272 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 14,057 | 41 | 4,387 | 641 | 0 | 5,028 | 28,301 | 669 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 16,098 | 37 | 3,373 | 966 | 0 | 4,339 | 28,321 | 699 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 15,428 | 33 | 6,549 | 1,436 | 0 | 7,985 | 25,759 | 1,013 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 15,417 | 35 | 5,136 | 539 | 0 | 5,675 | 27,346 | 867 | – – | 0 | 0 | 0 | (s) | – – |
| 2003 | 15,201 | 35 | 6,602 | 2,560 | 0 | 9,161 | 24,816 | 1,776 | – – | 0 | 0 | 0 | (s) | – – |
| 2004 | 14,882 | 49 | 6,934 | 1,223 | 0 | 8,157 | 28,315 | 1,583 | – – | 0 | 0 | 0 | 0 | – – |
| 2005 | 14,920 | 67 | 5,456 | 1,405 | 0 | 6,862 | 27,918 | 1,471 | – – | 0 | 0 | 0 | 0 | – – |
| 2006 | 14,194 | 60 | 851 | 460 | 0 | 1,312 | 27,594 | 1,345 | – – | 0 | 0 | 0 | 0 | – – |
| 2007 | 14,913 | 91 | 2,166 | 1,115 | 0 | 3,281 | 27,268 | 1,242 | – – | 0 | 0 | 0 | 0 | – – |
| 2008 | 13,368 | 77 | 1,223 | 755 | 0 | 1,978 | 27,931 | 1,002 | – – | 0 | 0 | 0 | 0 | – – |
| 2009 | 10,803 | 95 | 746 | 998 | 0 | 1,744 | 28,212 | 1,468 | – – | 0 | 0 | 0 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 167.4 | 1.5 | 0.8 | (s) | 0.0 | 0.9 | 0.0 | 12.8 | 0.0 | 0.0 | NA | NA | 0.0 | 182.5 |
| 1965 | 218.8 | 2.3 | 1.1 | (s) | 0.0 | 1.1 | 0.0 | 8.3 | 0.0 | 0.0 | NA | NA | 0.0 | 230.6 |
| 1970 | 164.6 | 4.4 | 107.4 | 4.2 | 5.2 | 116.8 | 0.0 | 6.8 | 0.0 | 0.0 | NA | NA | 0.0 | 292.6 |
| 1975 | 95.5 | 0.5 | 168.1 | 3.6 | 0.0 | 171.8 | 98.8 | 13.2 | 0.0 | 0.0 | NA | NA | 0.0 | 379.8 |
| 1980 | 139.1 | 2.5 | 91.7 | 4.6 | 0.0 | 96.3 | 125.1 | 9.0 | 0.0 | 0.0 | NA | NA | 0.0 | 372.0 |
| 1985 | 183.6 | 1.6 | 8.2 | 2.0 | 0.0 | 10.2 | 236.9 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440.8 |
| 1990 | 231.3 | 10.1 | 8.9 | 3.2 | 0.0 | 12.2 | 252.1 | 13.6 | 6.6 | 0.0 | (s) | 0.0 | 0.0 | 525.8 |
| 1995 | 287.3 | 46.4 | 9.9 | 4.0 | 0.0 | 13.9 | 264.1 | 10.1 | 12.9 | 0.0 | (s) | 0.0 | 0.0 | 634.6 |
| 1996 | 326.9 | 32.7 | 5.2 | 5.1 | 0.0 | 10.3 | 276.1 | 14.7 | 13.5 | 0.0 | 0.0 | 0.0 | 0.0 | 674.0 |
| 1997 | 339.4 | 19.9 | 7.6 | 13.2 | 0.0 | 20.8 | 284.2 | 10.3 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 687.3 |
| 1998 | 347.2 | 39.3 | 24.8 | 2.7 | 0.0 | 27.5 | 285.7 | 13.0 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 724.9 |
| 1999 | 357.9 | 42.9 | 27.6 | 3.7 | 0.0 | 31.3 | 295.7 | 6.8 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 748.6 |
| 2000 | 413.3 | 38.1 | 21.2 | 5.6 | 0.0 | 26.8 | 295.4 | 7.1 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 786.3 |
| 2001 | 391.4 | 34.1 | 41.2 | 8.4 | 0.0 | 49.5 | 269.0 | 10.5 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 761.1 |
| 2002 | 391.9 | 35.8 | 32.3 | 3.1 | 0.0 | 35.4 | 285.5 | 8.8 | 11.6 | 0.0 | 0.0 | 0.0 | (s) | 769.1 |
| 2003 | 370.9 | 36.2 | 41.5 | 14.9 | 0.0 | 56.4 | 258.6 | 18.2 | 12.0 | 0.0 | 0.0 | 0.0 | (s) | 752.3 |
| 2004 | 364.2 | 50.1 | 43.6 | 7.1 | 0.0 | 50.7 | 295.2 | 15.9 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 790.2 |
| 2005 | 368.6 | 69.1 | 34.3 | 8.2 | 0.0 | 42.5 | 291.4 | 14.7 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 799.9 |
| 2006 | 352.4 | 62.1 | 5.4 | 2.7 | 0.0 | 8.0 | 288.0 | 13.3 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 736.3 |
| 2007 | 373.7 | 93.3 | 13.6 | 6.5 | 0.0 | 20.1 | 285.9 | 12.3 | 13.1 | 0.0 | 0.0 | 0.0 | 0.0 | 798.3 |
| 2008 | 331.3 | 80.1 | 7.7 | 4.4 | 0.0 | 12.1 | 292.0 | 9.9 | 16.2 | 0.0 | 0.0 | 0.0 | 0.0 | 741.5 |
| 2009 | 268.0 | 98.4 | 4.7 | 5.8 | 0.0 | 10.5 | 295.1 | 14.3 | 15.7 | 0.0 | 0.0 | 0.0 | 0.0 | 701.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 608 | 65 | 18,123 | 4,502 | 548 | 23,076 | 9,300 | 7,709 | 63,257 | 0 | 34,349 | NA |
| 1965 | 488 | 108 | 17,116 | 6,919 | 1,227 | 26,906 | 9,140 | 10,629 | 71,937 | 0 | 49,295 | NA |
| 1970 | 245 | 150 | 18,201 | 10,637 | 1,659 | 36,068 | 10,384 | 13,212 | 90,161 | 2,614 | 69,525 | NA |
| 1971 | 272 | 157 | 18,642 | 11,721 | 1,659 | 36,788 | 9,482 | 14,337 | 92,628 | 2,553 | 71,589 | NA |
| 1972 | 2,179 | 170 | 19,374 | 10,680 | 1,368 | 38,036 | 11,824 | 17,093 | 98,375 | 2,919 | 75,883 | NA |
| 1973 | 3,924 | 198 | 20,242 | 11,762 | 1,164 | 39,861 | 11,306 | 17,065 | 101,399 | 4,432 | 69,016 | NA |
| 1974 | 3,213 | 183 | 16,859 | 12,312 | 1,147 | 39,752 | 10,180 | 15,589 | 95,839 | 3,889 | 82,491 | NA |
| 1975 | 4,492 | 164 | 16,970 | 14,037 | 763 | 41,007 | 8,459 | 16,386 | 97,622 | 3,308 | 83,708 | NA |
| 1976 | 4,794 | 149 | 18,680 | 12,990 | 813 | 43,311 | 7,411 | 16,320 | 99,524 | 2,405 | 94,457 | NA |
| 1977 | 6,068 | 143 | 20,281 | 12,093 | 957 | 45,412 | 9,622 | 18,433 | 106,797 | 4,315 | 66,617 | NA |
| 1978 | 4,973 | 127 | 21,243 | 11,480 | 1,300 | 47,438 | 11,455 | 17,708 | 110,624 | 4,140 | 88,906 | NA |
| 1979 | 5,860 | 159 | 21,716 | 12,715 | 1,522 | 45,399 | 12,856 | 16,111 | 110,319 | 3,613 | 79,511 | NA |
| 1980 | 5,443 | 129 | 18,471 | 12,036 | 1,487 | 42,653 | 17,277 | 13,446 | 105,370 | 2,041 | 83,111 | NA |
| 1981 | 5,448 | 125 | 17,617 | 12,081 | 1,565 | 43,029 | 16,346 | 15,682 | 106,320 | 2,042 | 93,701 | 28 |
| 1982 | 4,393 | 109 | 18,159 | 12,800 | 1,706 | 43,197 | 13,521 | 14,044 | 103,427 | 3,631 | 87,705 | 17 |
| 1983 | 4,794 | 107 | 16,302 | 12,830 | 1,705 | 44,713 | 4,936 | 13,883 | 94,370 | 3,494 | 85,564 | 18 |
| 1984 | 4,926 | 126 | 18,104 | 15,646 | 2,133 | 46,140 | 9,967 | 15,193 | 107,184 | 5,313 | 83,431 | 20 |
| 1985 | 5,616 | 135 | 20,008 | 15,417 | 2,466 | 44,020 | 11,406 | 15,114 | 108,432 | 8,038 | 77,053 | 14 |
| 1986 | 3,790 | 118 | 23,295 | 17,073 | 2,525 | 46,950 | 15,553 | 14,686 | 120,081 | 8,439 | 78,960 | 58 |
| 1987 | 5,819 | 132 | 19,380 | 18,596 | 3,345 | 51,252 | 13,771 | 19,000 | 125,343 | 5,528 | 69,827 | 131 |
| 1988 | 5,929 | 147 | 20,322 | 20,647 | 2,828 | 50,699 | 16,339 | 20,012 | 130,847 | 6,000 | 68,508 | 133 |
| 1989 | 5,843 | 163 | 20,786 | 20,592 | 3,399 | 53,814 | 15,685 | 21,535 | 135,811 | 6,118 | 71,528 | 185 |
| 1990 | 5,147 | 163 | 20,155 | 22,343 | 2,292 | 53,464 | 16,272 | 21,122 | 135,649 | 5,742 | 87,467 | 205 |
| 1991 | 5,461 | 174 | 19,819 | 21,306 | 2,596 | 54,238 | 17,297 | 21,477 | 136,732 | 4,230 | 89,342 | 241 |
| 1992 | 6,402 | 175 | 19,543 | 24,066 | 2,549 | 55,196 | 23,178 | 26,688 | 151,220 | 5,692 | 68,325 | 1,123 |
| 1993 | 5,934 | 221 | 18,955 | 22,226 | 2,582 | 57,385 | 15,720 | 21,506 | 138,373 | 7,135 | 67,312 | 1,945 |
| 1994 | 6,303 | 253 | 22,834 | 21,492 | 2,594 | 57,446 | 15,530 | 24,723 | 144,619 | 6,740 | 65,575 | 2,245 |
| 1995 | 4,158 | 254 | 21,307 | 23,039 | 2,913 | 58,836 | 17,305 | 24,028 | 147,429 | 6,942 | 82,500 | 739 |
| 1996 | 5,682 | 274 | 22,488 | 22,323 | 3,195 | 61,611 | 12,768 | 25,233 | 147,618 | 5,588 | 98,518 | 328 |
| 1997 | 4,948 | 256 | 24,543 | 22,464 | 5,116 | 61,213 | 12,924 | 22,701 | 148,961 | 6,244 | 104,171 | 621 |
| 1998 | 6,241 | 290 | 21,859 | 21,879 | 4,716 | 61,833 | 9,632 | 29,067 | 148,986 | 6,916 | 79,815 | 835 |
| 1999 | 5,838 | 287 | 24,237 | 22,155 | 4,458 | 63,239 | 7,989 | 31,433 | 153,510 | 6,086 | 96,989 | 710 |
| 2000 | 6,501 | 287 | 25,122 | 24,726 | 6,456 | 63,053 | 7,551 | 25,367 | 152,274 | 8,605 | 80,263 | 800 |
| 2001 | 6,151 | 312 | 24,128 | 21,815 | 7,083 | 63,492 | 6,415 | 19,183 | 142,117 | 8,250 | 54,734 | 581 |
| 2002 | 6,252 | 234 | 24,826 | 18,076 | 4,830 | 64,544 | 5,447 | 18,668 | 136,390 | 9,048 | 78,167 | 1,687 |
| 2003 | 7,427 | 250 | 23,551 | 17,493 | 2,735 | 64,317 | 6,071 | 18,569 | 132,734 | 7,615 | 71,757 | 1,622 |
| 2004 | 6,986 | 262 | 24,003 | 19,219 | 2,752 | 64,302 | 6,535 | 20,661 | 137,472 | 8,982 | 71,576 | 544 |
| 2005 | 7,067 | 265 | 24,753 | 18,480 | 2,779 | 65,216 | 7,785 | 22,595 | 141,608 | 8,242 | 72,075 | 2,113 |
| 2006 | 4,219 | 263 | 29,918 | 18,588 | 2,773 | 65,712 | 6,207 | R 23,041 | R 146,239 | 9,328 | 82,008 | 2,318 |
| 2007 | 5,818 | 273 | 30,471 | 20,451 | 2,667 | 65,893 | 9,983 | R 21,744 | R 151,209 | 8,109 | 78,829 | 2,919 |
| 2008 | 5,911 | 298 | R 30,882 | 20,110 | 4,697 | 63,891 | 4,645 | R 21,447 | R 145,672 | 9,270 | 77,637 | 5,094 |
| 2009 | 5,144 | 310 | 25,282 | 18,293 | 4,338 | 64,750 | 7,508 | 20,703 | 140,874 | 6,634 | 72,933 | 5,912 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Washington

(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 15.2 | 67.2 | 105.6 | 24.4 | 2.2 | 121.2 | 58.5 | 45.1 | 356.9 | 439.3 | *67.2* | *121.2* |
| 1965 | 12.1 | 116.2 | 99.7 | 38.2 | 4.9 | 141.3 | 57.5 | 64.4 | 406.0 | 534.4 | *116.2* | *141.3* |
| 1970 | 5.9 | 158.2 | 106.0 | 59.3 | 6.3 | 189.5 | 65.3 | 80.3 | 506.7 | 670.8 | *158.2* | *189.5* |
| 1971 | 6.4 | 165.3 | 108.6 | 65.4 | 6.3 | 193.2 | 59.6 | 87.2 | 520.4 | 692.0 | *165.3* | *193.2* |
| 1972 | 36.6 | 179.8 | 112.9 | 59.6 | 5.1 | 199.8 | 74.3 | 104.1 | 555.9 | 772.3 | *179.8* | *199.8* |
| 1973 | 65.0 | 208.0 | 117.9 | 65.8 | 4.4 | 209.4 | 71.1 | 104.2 | 572.8 | 845.7 | *208.0* | *209.4* |
| 1974 | 54.2 | 191.3 | 98.2 | 68.9 | 4.3 | 208.8 | 64.0 | 94.9 | 539.1 | 784.6 | *191.3* | *208.8* |
| 1975 | 76.2 | 171.2 | 98.8 | 78.8 | 2.8 | 215.4 | 53.2 | 99.8 | 548.9 | 796.3 | *171.2* | *215.4* |
| 1976 | 81.2 | 154.9 | 108.8 | 72.9 | 3.0 | 227.5 | 46.6 | 99.6 | 558.4 | 794.5 | *154.9* | *227.5* |
| 1977 | 102.4 | 149.1 | 118.1 | 67.7 | 3.5 | 238.5 | 60.5 | 112.1 | 600.5 | 852.0 | *149.1* | *238.5* |
| 1978 | 84.7 | 133.3 | 123.7 | 64.3 | 4.8 | 249.2 | 72.0 | 107.6 | 621.7 | 839.7 | *133.3* | *249.2* |
| 1979 | 99.0 | 165.9 | 126.5 | 71.4 | 5.6 | 238.5 | 80.8 | 98.2 | 621.0 | 885.9 | *165.9* | *238.5* |
| 1980 | 91.0 | 135.5 | 107.6 | 67.5 | 5.5 | 224.1 | 108.6 | 81.5 | 594.7 | 821.1 | *135.5* | *224.1* |
| 1981 | 90.9 | 131.2 | 102.6 | 67.8 | 5.7 | 226.0 | 102.8 | 95.8 | 600.8 | 822.8 | *131.2* | *226.0* |
| 1982 | 74.1 | 114.4 | 105.8 | 71.9 | 6.2 | 226.9 | 85.0 | 86.2 | 581.9 | 770.4 | *114.4* | *226.9* |
| 1983 | 80.2 | 111.8 | 95.0 | 72.1 | 6.2 | 234.9 | 31.0 | 84.7 | 523.8 | 715.8 | *111.8* | *234.9* |
| 1984 | 82.3 | 132.0 | 105.5 | 87.9 | 7.7 | 242.4 | 62.7 | 92.8 | 598.9 | 813.2 | *132.0* | *242.4* |
| 1985 | 93.7 | 140.0 | 116.5 | 86.6 | 8.9 | 231.2 | 71.7 | 92.5 | 607.5 | 841.1 | *140.0* | *231.2* |
| 1986 | 63.3 | 121.8 | 135.7 | 96.1 | 9.2 | 246.6 | 97.8 | 90.7 | 676.1 | 861.1 | *121.8* | *246.6* |
| 1987 | 95.7 | 136.1 | 112.9 | 104.7 | 12.2 | 269.2 | 86.6 | 115.9 | 701.5 | 933.3 | *136.1* | *269.2* |
| 1988 | 99.1 | 150.5 | 118.4 | 116.3 | 10.3 | 266.3 | 102.7 | 121.4 | 735.5 | 985.1 | *150.6* | *266.3* |
| 1989 | 96.7 | 167.8 | 121.1 | 116.0 | 12.5 | 282.7 | 98.6 | 130.7 | 761.7 | 1,026.1 | *168.0* | *282.7* |
| 1990 | 85.6 | 167.4 | 117.4 | 126.0 | 8.3 | 280.8 | 102.3 | 128.3 | 763.2 | 1,016.2 | *167.6* | *280.8* |
| 1991 | 89.1 | 179.2 | 115.4 | 120.2 | 9.4 | 284.9 | 108.7 | 130.4 | 769.1 | 1,037.4 | *179.4* | *284.9* |
| 1992 | 106.1 | 180.6 | 113.8 | 136.0 | 9.2 | 289.9 | 145.7 | 161.0 | 855.7 | 1,142.4 | *180.8* | *289.9* |
| 1993 | 97.8 | 229.6 | 110.4 | 125.6 | 9.3 | R 294.7 | 98.8 | 130.3 | R 769.1 | R 1,096.5 | *229.6* | *301.4* |
| 1994 | 106.9 | 263.2 | 133.0 | 121.7 | 9.4 | R 292.7 | 97.6 | 149.7 | R 804.1 | R 1,174.2 | *263.2* | *300.4* |
| 1995 | 69.8 | 264.5 | 124.1 | 130.4 | 10.6 | R 304.3 | 108.8 | 145.7 | R 823.8 | R 1,158.1 | *264.5* | *306.8* |
| 1996 | 90.9 | 283.9 | 131.0 | 126.5 | 11.5 | 320.2 | 80.3 | 153.4 | 822.9 | R 1,197.8 | *283.9* | *321.4* |
| 1997 | 80.5 | 268.1 | 143.0 | 127.4 | 18.5 | 316.9 | 81.3 | 138.4 | 825.4 | 1,174.0 | *268.1* | *319.1* |
| 1998 | 103.5 | 303.3 | 127.3 | 124.1 | 17.0 | R 319.4 | 60.6 | 176.9 | 825.2 | R 1,232.0 | *303.3* | *322.3* |
| 1999 | 96.9 | 302.3 | 141.2 | 125.6 | 16.1 | R 327.1 | 50.2 | 191.1 | R 851.4 | R 1,250.5 | *302.3* | *329.5* |
| 2000 | 106.2 | 297.6 | 146.3 | 140.2 | 23.3 | 325.7 | 47.5 | 155.3 | R 838.3 | R 1,242.1 | *297.6* | *328.5* |
| 2001 | 99.4 | 322.4 | 140.5 | 123.7 | 25.6 | R 328.8 | 40.3 | 116.4 | 775.3 | R 1,197.2 | *322.4* | *330.8* |
| 2002 | 100.8 | 240.5 | 144.6 | 102.5 | 17.5 | R 330.3 | 34.2 | 113.4 | R 742.5 | R 1,083.9 | *240.5* | *336.1* |
| 2003 | 118.2 | 255.8 | 137.2 | 99.2 | 9.9 | R 329.3 | 38.2 | 112.2 | R 725.9 | R 1,100.0 | *255.8* | *334.9* |
| 2004 | 112.5 | 269.6 | 139.8 | 109.0 | 10.0 | 333.4 | 41.1 | 125.1 | 758.3 | R 1,140.5 | *269.6* | *335.3* |
| 2005 | 112.3 | 272.2 | 144.2 | 104.8 | 10.1 | R 333.0 | 48.9 | 136.7 | R 777.6 | R 1,162.1 | *272.2* | *340.3* |
| 2006 | 69.2 | 271.0 | 174.3 | 105.4 | 10.0 | R 334.8 | 39.0 | R 139.8 | R 803.3 | R 1,143.5 | *271.0* | *342.9* |
| 2007 | 95.7 | 279.7 | 177.5 | 116.0 | 9.6 | R 333.8 | 62.8 | R 131.7 | R 831.2 | R 1,206.7 | *279.7* | *343.9* |
| 2008 | 94.6 | R 307.1 | R 179.9 | 114.0 | 16.9 | R 315.7 | 29.2 | R 130.2 | R 785.9 | R 1,187.6 | R *307.1* | *333.4* |
| 2009 | 84.0 | 319.4 | 147.3 | 103.7 | 15.4 | 317.4 | 47.2 | 125.6 | 756.6 | 1,160.1 | *319.4* | *337.9* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Washington (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 369.6 | 58.5 | NA | NA | 58.5 | 0.0 | NA | NA | 428.1 | -59.9 | -0.2 | 807.4 |
| 1965 | 0.0 | 515.3 | 66.2 | NA | NA | 66.2 | 0.0 | NA | NA | 581.5 | R -117.6 | -1.6 | R 996.7 |
| 1970 | 28.7 | 729.6 | 66.5 | NA | NA | 66.5 | 0.0 | NA | NA | 796.1 | R -203.6 | 2.1 | R 1,294.1 |
| 1971 | 27.7 | 750.1 | 67.2 | NA | NA | 67.2 | 0.0 | NA | NA | 817.3 | R -217.1 | 1.0 | R 1,320.9 |
| 1972 | 31.5 | 787.6 | 67.0 | NA | NA | 67.0 | 0.0 | NA | NA | 854.6 | R -199.4 | 3.4 | R 1,462.4 |
| 1973 | 48.3 | 717.0 | 66.2 | NA | NA | 66.2 | 0.0 | NA | NA | 783.2 | R -195.2 | 16.4 | R 1,498.5 |
| 1974 | 43.4 | 861.4 | 65.2 | NA | NA | 65.2 | 0.0 | NA | NA | 926.5 | R -268.6 | 8.2 | R 1,494.2 |
| 1975 | 36.4 | 871.1 | 64.3 | NA | NA | 64.3 | 0.0 | NA | NA | 935.4 | R -315.9 | 5.9 | R 1,458.1 |
| 1976 | 26.6 | 979.8 | 71.4 | NA | NA | 71.4 | 0.0 | NA | NA | 1,051.2 | R -367.3 | 2.1 | R 1,506.9 |
| 1977 | 46.5 | 695.2 | 78.3 | NA | NA | 78.3 | 0.0 | NA | NA | 773.5 | R -164.4 | 17.0 | R 1,524.5 |
| 1978 | 45.3 | 921.2 | 81.0 | NA | NA | 81.0 | 0.0 | NA | NA | 1,002.2 | R -279.4 | 8.4 | R 1,616.2 |
| 1979 | 39.3 | 823.2 | 77.5 | NA | NA | 77.5 | 0.0 | NA | NA | 900.6 | R -158.1 | (s) | R 1,667.8 |
| 1980 | 22.3 | 863.4 | 88.3 | NA | NA | 88.3 | 0.0 | NA | NA | 951.6 | R -161.2 | 2.9 | R 1,636.8 |
| 1981 | 22.5 | 979.5 | 94.9 | 0.1 | (s) | 95.1 | 0.0 | NA | NA | 1,074.5 | R -187.3 | 29.6 | R 1,762.2 |
| 1982 | 40.2 | 916.9 | 91.1 | 0.1 | 0.1 | 91.3 | 0.0 | NA | NA | 1,008.2 | R -164.8 | 13.8 | R 1,667.8 |
| 1983 | 38.1 | 900.1 | 104.4 | 0.1 | 0.3 | 104.8 | 0.0 | NA | 0.0 | 1,004.9 | R -142.1 | 8.1 | R 1,624.8 |
| 1984 | 57.6 | 871.0 | 110.3 | 0.1 | 0.3 | 110.7 | 0.0 | 0.0 | 0.0 | 981.7 | R -149.8 | 21.9 | R 1,724.6 |
| 1985 | 85.4 | 805.0 | 112.0 | (s) | 0.3 | 112.4 | 0.0 | 0.0 | 0.0 | 917.4 | R -122.2 | 3.1 | R 1,724.7 |
| 1986 | 89.3 | 824.8 | 117.7 | 0.2 | 0.3 | 118.3 | 0.0 | 0.0 | 0.0 | 943.1 | R -126.9 | -7.9 | R 1,758.7 |
| 1987 | 57.7 | 727.5 | 122.5 | 0.5 | 0.4 | 123.3 | 0.0 | 0.0 | 0.0 | 850.8 | R -35.1 | 3.9 | R 1,810.6 |
| 1988 | 63.6 | 707.3 | 127.4 | 0.5 | 0.4 | 128.2 | 0.0 | 0.0 | 0.0 | 835.5 | R 61.8 | 1.9 | R 1,947.9 |
| 1989 | 64.7 | 746.2 | 108.2 | 0.6 | 0.3 | 109.2 | 0.1 | 0.4 | 0.0 | 855.8 | R 69.2 | -2.7 | R 2,013.2 |
| 1990 | 60.8 | 909.8 | 93.4 | 0.7 | 0.3 | 94.4 | 0.1 | 0.4 | 0.0 | 1,004.7 | R -28.2 | 0.8 | R 2,054.3 |
| 1991 | 44.3 | 932.4 | 73.9 | 0.8 | 0.3 | 75.1 | 0.1 | 0.4 | 0.0 | 1,007.9 | R -34.6 | 8.9 | R 2,064.0 |
| 1992 | 59.6 | 706.6 | 95.4 | 3.9 | 0.3 | R 99.6 | 0.1 | 0.4 | 0.0 | R 806.7 | R 89.2 | 21.3 | R 2,119.2 |
| 1993 | 74.9 | 693.9 | 96.5 | 6.7 | 0.3 | R 103.5 | 0.1 | 0.4 | 0.0 | R 798.0 | R 109.7 | 2.4 | R 2,081.6 |
| 1994 | 70.4 | 676.5 | 96.3 | 7.8 | 0.3 | R 104.4 | 0.2 | 0.4 | 0.0 | R 781.4 | R 55.6 | 9.5 | R 2,091.1 |
| 1995 | 72.9 | 850.7 | 90.1 | 2.6 | 0.3 | 93.0 | 0.2 | 0.4 | 0.0 | R 944.2 | R -48.7 | -2.6 | R 2,123.9 |
| 1996 | 58.7 | 1,018.7 | 89.7 | 1.1 | 0.1 | 90.9 | 0.2 | 0.4 | 0.0 | 1,110.2 | R -245.9 | 15.7 | R 2,136.4 |
| 1997 | 65.5 | 1,063.9 | 94.2 | 2.2 | 0.1 | 96.5 | 0.2 | 0.4 | 0.0 | 1,161.0 | R -244.6 | 12.4 | R 2,168.3 |
| 1998 | 72.6 | 813.9 | 87.1 | 2.9 | 0.1 | 90.2 | 0.3 | 0.4 | 0.0 | R 904.7 | R 11.4 | 8.4 | R 2,229.1 |
| 1999 | 63.6 | 991.8 | 89.4 | 2.5 | 0.1 | R 92.0 | 0.3 | 0.3 | 0.0 | R 1,084.5 | R -88.3 | 6.2 | R 2,316.5 |
| 2000 | 89.7 | 818.8 | 89.6 | 2.8 | 0.1 | R 92.4 | 0.3 | 0.3 | 0.0 | R 911.8 | R -23.1 | -3.9 | R 2,216.7 |
| 2001 | 86.2 | 565.6 | 92.7 | 2.0 | 0.1 | 94.8 | 0.3 | 0.3 | 0.0 | 661.0 | R 32.3 | -17.3 | R 1,959.4 |
| 2002 | 94.5 | 795.2 | 87.6 | 5.9 | 0.1 | R 93.6 | 0.4 | R 0.2 | 4.2 | R 893.6 | R -208.5 | -4.1 | R 1,859.4 |
| 2003 | 79.4 | 734.9 | 95.7 | 5.6 | 0.1 | R 101.4 | 0.5 | 0.2 | 6.2 | R 843.1 | R -149.3 | -6.7 | R 1,866.5 |
| 2004 | 93.7 | 717.3 | 92.6 | 1.9 | (s) | 94.5 | 0.6 | 0.2 | 7.4 | R 819.9 | R -117.1 | -16.5 | R 1,920.4 |
| 2005 | 86.0 | 720.7 | R 81.2 | 7.3 | (s) | R 88.6 | 0.6 | 0.1 | 5.0 | R 815.0 | R -86.7 | -10.3 | R 1,966.2 |
| 2006 | 97.3 | 813.4 | R 104.0 | 8.0 | 0.0 | R 112.0 | 0.7 | 0.1 | 10.3 | R 936.6 | R -115.6 | -29.5 | R 2,032.3 |
| 2007 | 85.0 | 779.1 | R 79.3 | 10.1 | 0.0 | R 89.5 | 0.7 | 0.1 | 24.1 | R 893.6 | R -119.2 | -11.1 | R 2,054.9 |
| 2008 | 96.9 | 765.0 | R 77.0 | 17.7 | 0.0 | R 94.7 | 0.8 | 0.2 | 36.0 | R 896.7 | R -113.3 | -24.8 | R 2,043.1 |
| 2009 | 69.4 | 711.8 | 78.5 | 20.5 | 0.0 | 99.0 | 0.9 | 0.2 | 34.9 | 846.8 | -22.2 | -21.1 | 2,032.9 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 608 | 65 | 18,121 | 4,502 | 548 | 23,076 | 9,285 | 7,709 | 63,241 | 195 | – – | – – | – – | – – | 25,951 | – – | – – | – – |
| 1965 | 488 | 108 | 17,116 | 6,919 | 1,227 | 26,906 | 9,136 | 10,629 | 71,933 | 190 | – – | – – | – – | – – | 34,099 | – – | – – | – – |
| 1970 | 245 | 150 | 18,200 | 10,637 | 1,659 | 36,068 | 10,381 | 13,212 | 90,157 | 135 | – – | – – | – – | – – | 47,609 | – – | – – | – – |
| 1975 | 483 | 164 | 16,967 | 14,036 | 763 | 41,007 | 8,388 | 16,386 | 97,548 | 181 | – – | – – | – – | – – | 57,003 | – – | – – | – – |
| 1980 | 493 | 128 | 18,440 | 12,036 | 1,487 | 42,653 | 17,076 | 13,446 | 105,138 | 129 | – – | – – | – – | – – | 69,658 | – – | – – | – – |
| 1985 | 424 | 135 | 19,992 | 15,417 | 2,466 | 44,020 | 11,406 | 15,114 | 108,415 | 129 | – – | – – | – – | – – | 76,342 | – – | – – | – – |
| 1990 | 295 | 163 | 20,125 | 22,343 | 2,292 | 53,464 | 16,271 | 21,122 | 135,617 | 274 | – – | – – | – – | – – | 91,046 | – – | – – | – – |
| 1995 | 301 | 214 | 21,073 | 23,039 | 2,913 | 58,836 | 17,305 | 24,028 | 147,195 | 280 | – – | – – | – – | – – | 88,353 | – – | – – | – – |
| 2000 | 146 | 212 | 24,339 | 24,726 | 6,456 | 63,053 | 7,551 | 25,366 | 151,492 | 102 | – – | – – | – – | – – | 96,511 | – – | – – | – – |
| 2001 | 150 | 226 | 23,609 | 21,815 | 7,083 | 63,492 | 6,415 | 19,183 | 141,598 | 60 | – – | – – | – – | – – | 78,495 | – – | – – | – – |
| 2002 | 126 | 194 | 24,786 | 18,076 | 4,830 | 64,544 | 5,447 | 18,668 | 136,351 | 178 | – – | – – | – – | – – | 75,404 | – – | – – | – – |
| 2003 | 116 | 192 | 23,521 | 17,493 | 2,735 | 64,317 | 6,071 | 18,569 | 132,705 | 55 | – – | – – | – – | – – | 78,134 | – – | – – | – – |
| 2004 | 107 | 196 | 23,949 | 19,219 | 2,752 | 64,302 | 6,535 | 20,661 | 137,419 | 75 | – – | – – | – – | – – | 79,982 | – – | – – | – – |
| 2005 | 71 | 199 | 24,732 | 18,480 | 2,779 | 65,216 | 7,785 | 22,595 | 141,587 | 52 | – – | – – | – – | – – | 83,425 | – – | – – | – – |
| 2006 | 94 | 205 | 29,878 | 18,588 | 2,773 | 65,712 | 6,207 | 23,041 | 146,199 | 64 | – – | – – | – – | – – | 85,033 | – – | – – | – – |
| 2007 | 137 | 215 | 30,444 | 20,451 | 2,667 | 65,893 | 9,983 | 21,744 | 151,182 | 48 | – – | – – | – – | – – | 85,742 | – – | – – | – – |
| 2008 | 148 | 224 | 30,837 | 20,110 | 4,697 | 63,891 | 4,645 | 21,447 | 145,627 | 48 | – – | – – | – – | – – | 87,333 | – – | – – | – – |
| 2009 | 170 | 219 | 25,211 | 18,293 | 4,338 | 64,750 | 7,508 | 20,703 | 140,803 | 47 | – – | – – | – – | – – | 90,165 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 15.2 | 67.2 | 105.6 | 24.4 | 2.2 | 121.2 | 58.4 | 45.1 | 356.8 | 2.1 | 58.5 | NA | NA | NA | 88.5 | 588.4 | 219.0 | 807.4 |
| 1965 | 12.1 | 116.2 | 99.7 | 38.2 | 4.9 | 141.3 | 57.4 | 64.4 | 406.0 | 2.0 | 66.2 | NA | NA | NA | 116.3 | 718.9 | 277.7 | 996.7 |
| 1970 | 5.9 | 158.2 | 106.0 | 59.3 | 6.3 | 189.5 | 65.3 | 80.3 | 506.6 | 1.4 | 66.5 | NA | NA | NA | 162.4 | 901.1 | 393.0 | 1,294.1 |
| 1975 | 11.3 | 171.2 | 98.8 | 78.7 | 2.8 | 215.4 | 52.7 | 99.8 | 548.4 | 1.9 | 64.3 | NA | NA | NA | 194.5 | 991.6 | 466.5 | 1,458.1 |
| 1980 | 10.8 | 134.5 | 107.4 | 67.5 | 5.5 | 224.1 | 107.4 | 81.5 | 593.3 | 1.3 | 88.3 | NA | NA | NA | 237.7 | 1,065.8 | 571.0 | 1,636.8 |
| 1985 | 9.6 | 139.9 | 116.5 | 86.6 | 8.9 | 231.2 | 71.7 | 92.5 | 607.4 | 1.4 | 109.1 | 0.3 | NA | NA | 260.5 | 1,128.1 | 596.6 | 1,724.7 |
| 1990 | 6.6 | 167.4 | 117.2 | 126.0 | 8.3 | 280.8 | 102.3 | 128.3 | 763.0 | 2.9 | 89.7 | 0.3 | 0.1 | 0.4 | 310.6 | 1,341.5 | 712.8 | 2,054.3 |
| 1995 | 6.0 | 223.1 | 122.8 | 130.4 | 10.6 | 306.8 | 108.8 | 145.7 | 825.0 | 2.9 | 84.2 | 0.3 | 0.2 | 0.4 | 301.5 | 1,443.4 | 680.5 | 2,123.9 |
| 2000 | 3.3 | 221.3 | 141.8 | 140.2 | 23.3 | 328.5 | 47.5 | 155.3 | 836.5 | 1.0 | 79.7 | 0.1 | 0.3 | 0.3 | 329.3 | 1,471.9 | 744.8 | 2,216.7 |
| 2001 | 3.4 | 233.8 | 137.5 | 123.7 | 25.6 | 330.8 | 40.3 | 116.4 | 774.3 | 0.6 | 85.3 | 0.1 | 0.3 | 0.3 | 267.8 | 1,366.0 | 593.4 | 1,959.4 |
| 2002 | 2.8 | 199.9 | 144.4 | 102.5 | 17.5 | 336.1 | 34.2 | 113.4 | 748.2 | 1.8 | 78.6 | 0.1 | 0.4 | 0.2 | 257.3 | 1,289.3 | 570.1 | 1,859.4 |
| 2003 | 2.7 | 196.8 | 137.0 | 99.2 | 9.9 | 334.9 | 38.2 | 112.2 | 731.4 | 0.6 | 82.9 | 0.1 | 0.5 | 0.2 | 266.6 | 1,281.7 | 584.8 | 1,866.5 |
| 2004 | 2.4 | 201.9 | 139.5 | 109.0 | 10.0 | 335.3 | 41.1 | 125.1 | 759.9 | 0.8 | 81.6 | (s) | 0.6 | 0.2 | 272.9 | 1,320.2 | 600.2 | 1,920.4 |
| 2005 | 1.5 | 204.8 | 144.1 | 104.8 | 10.1 | 340.3 | 48.9 | 136.7 | 784.9 | 0.5 | 70.1 | (s) | 0.6 | 0.1 | 284.6 | 1,347.2 | 619.0 | 1,966.2 |
| 2006 | 2.0 | 210.7 | 174.0 | 105.4 | 10.0 | 342.9 | 39.0 | 139.8 | 811.1 | 0.6 | 93.1 | 0.0 | 0.7 | 0.1 | 290.1 | 1,408.5 | 623.7 | 2,032.3 |
| 2007 | 3.2 | 221.1 | 177.3 | 116.0 | 9.6 | 343.9 | 62.8 | 131.7 | 841.2 | 0.5 | 68.1 | 0.0 | 0.7 | 0.1 | 292.6 | 1,427.4 | 627.5 | 2,054.9 |
| 2008 | 3.0 | 230.3 | 179.6 | 114.0 | 16.9 | 333.4 | 29.2 | 130.2 | 803.3 | 0.5 | 69.3 | 0.0 | 0.8 | 0.2 | 298.0 | 1,405.3 | 637.8 | 2,043.1 |
| 2009 | 3.5 | 225.4 | 146.9 | 103.7 | 15.4 | 337.9 | 47.2 | 125.6 | 776.7 | 0.5 | 70.8 | 0.0 | 0.9 | 0.2 | 307.6 | 1,385.6 | 647.4 | 2,032.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 106 | 8 | 7,303 | 0 | 322 | 7,625 | 888 | – – | – – | 8,755 | – – | – – | – – |
| 1965 | 83 | 17 | 6,495 | 9 | 830 | 7,335 | 624 | – – | – – | 11,015 | – – | – – | – – |
| 1970 | 19 | 32 | 7,035 | 115 | 1,063 | 8,214 | 479 | – – | – – | 15,355 | – – | – – | – – |
| 1975 | 6 | 34 | 4,806 | 203 | 375 | 5,384 | 513 | – – | – – | 19,209 | – – | – – | – – |
| 1980 | 34 | 30 | 3,422 | 65 | 581 | 4,068 | 487 | – – | – – | 24,445 | – – | – – | – – |
| 1985 | 47 | 33 | 3,010 | 86 | 513 | 3,609 | 849 | – – | – – | 27,933 | – – | – – | – – |
| 1990 | 13 | 40 | 2,675 | 49 | 610 | 3,334 | 665 | – – | – – | 28,809 | – – | – – | – – |
| 1995 | 10 | 53 | 2,003 | 86 | 1,149 | 3,238 | 854 | – – | – – | 30,147 | – – | – – | – – |
| 1996 | 3 | 63 | 2,202 | 110 | 1,167 | 3,480 | 886 | – – | – – | 32,012 | – – | – – | – – |
| 1997 | 2 | 62 | 1,851 | 133 | 2,232 | 4,216 | 749 | – – | – – | 31,749 | – – | – – | – – |
| 1998 | 2 | 62 | 1,757 | 123 | 2,026 | 3,906 | 666 | – – | – – | 31,362 | – – | – – | – – |
| 1999 | 2 | 72 | 1,891 | 86 | 1,861 | 3,839 | 701 | – – | – – | 32,817 | – – | – – | – – |
| 2000 | 2 | 72 | 1,737 | 65 | 1,922 | 3,723 | 754 | – – | – – | 33,036 | – – | – – | – – |
| 2001 | 2 | 84 | 1,896 | 101 | 2,093 | 4,090 | 1,189 | – – | – – | 31,608 | – – | – – | – – |
| 2002 | 3 | 73 | 1,896 | 35 | 2,857 | 4,788 | 1,207 | – – | – – | 32,066 | – – | – – | – – |
| 2003 | 3 | 71 | 1,456 | 101 | 1,604 | 3,161 | 1,271 | – – | – – | 31,872 | – – | – – | – – |
| 2004 | 2 | 71 | 1,354 | 69 | 1,710 | 3,133 | 1,303 | – – | – – | 32,455 | – – | – – | – – |
| 2005 | 0 | 74 | 1,250 | 54 | 1,902 | 3,207 | R 567 | – – | – – | 33,212 | – – | – – | – – |
| 2006 | (s) | 75 | 1,229 | 31 | 1,773 | 3,034 | R 516 | – – | – – | 34,439 | – – | – – | – – |
| 2007 | (s) | 80 | 1,102 | 13 | 1,690 | 2,805 | R 569 | – – | – – | 35,389 | – – | – – | – – |
| 2008 | 0 | 85 | R 1,064 | 13 | 2,231 | R 3,307 | R 596 | – – | – – | 36,336 | – – | – – | – – |
| 2009 | 0 | 84 | 997 | 18 | 2,489 | 3,504 | 569 | – – | – – | 36,753 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 2.4 | 8.3 | 42.5 | 0.0 | 1.3 | 43.8 | 17.8 | NA | NA | 29.9 | 102.2 | 73.9 | 176.1 |
| 1965 | 1.9 | 18.7 | 37.8 | 0.1 | 3.3 | 41.2 | 12.5 | NA | NA | 37.6 | 111.9 | 89.7 | 201.6 |
| 1970 | 0.4 | 33.7 | 41.0 | 0.7 | 4.0 | 45.7 | 9.6 | NA | NA | 52.4 | 141.7 | R 126.7 | 268.5 |
| 1975 | 0.1 | 35.8 | 28.0 | 1.1 | 1.4 | 30.5 | 10.3 | NA | NA | 65.5 | 142.2 | R 157.2 | R 299.5 |
| 1980 | 0.8 | 31.3 | 19.9 | 0.4 | 2.1 | 22.4 | 9.7 | NA | NA | 83.4 | 147.6 | R 200.4 | R 348.0 |
| 1985 | 1.1 | 34.3 | 17.5 | 0.5 | 1.8 | 19.9 | 17.0 | NA | NA | 95.3 | 167.6 | R 218.3 | R 385.9 |
| 1990 | 0.3 | 41.6 | 15.6 | 0.3 | 2.2 | 18.1 | 13.3 | (s) | 0.4 | 98.3 | 171.8 | R 225.5 | R 397.4 |
| 1995 | 0.2 | 55.0 | 11.7 | 0.5 | 4.2 | 16.3 | 17.1 | (s) | 0.4 | 102.9 | 191.9 | R 232.2 | R 424.1 |
| 1996 | 0.1 | 65.1 | 12.8 | 0.6 | 4.2 | 17.7 | 17.7 | (s) | 0.4 | 109.2 | 210.2 | R 246.8 | R 457.0 |
| 1997 | 0.1 | 64.8 | 10.8 | 0.8 | 8.1 | 19.6 | 15.0 | (s) | 0.4 | 108.3 | 208.2 | R 243.9 | R 452.0 |
| 1998 | (s) | 64.8 | 10.2 | 0.7 | 7.3 | 18.3 | 13.3 | (s) | 0.4 | 107.0 | 203.8 | R 241.2 | R 445.0 |
| 1999 | 0.1 | 75.6 | 11.0 | 0.5 | 6.7 | 18.2 | 14.0 | (s) | 0.3 | 112.0 | 220.2 | R 254.5 | R 474.7 |
| 2000 | 0.1 | 74.8 | 10.1 | 0.4 | 6.9 | 17.4 | 15.1 | (s) | 0.3 | 112.7 | 220.4 | R 254.9 | R 475.3 |
| 2001 | 0.1 | 87.4 | 11.0 | 0.6 | 7.6 | 19.2 | 23.8 | (s) | 0.3 | 107.8 | 238.5 | R 238.9 | R 477.5 |
| 2002 | 0.1 | 75.5 | 11.0 | 0.2 | 10.3 | 21.6 | 24.1 | (s) | R 0.2 | 109.4 | 231.0 | R 242.5 | R 473.4 |
| 2003 | 0.1 | 73.0 | 8.5 | 0.6 | 5.8 | 14.9 | 25.4 | (s) | 0.2 | 108.7 | R 222.3 | R 238.6 | R 460.9 |
| 2004 | 0.1 | 72.9 | 7.9 | 0.4 | 6.2 | 14.5 | 26.1 | (s) | 0.2 | 110.7 | 224.4 | R 243.6 | R 468.0 |
| 2005 | 0.0 | 75.8 | 7.3 | 0.3 | 6.9 | 14.5 | R 11.3 | (s) | 0.1 | 113.3 | R 215.1 | R 246.4 | R 461.5 |
| 2006 | (s) | 77.8 | 7.2 | 0.2 | 6.4 | 13.7 | R 10.3 | 0.1 | 0.1 | 117.5 | R 219.5 | R 252.6 | R 472.1 |
| 2007 | (s) | 82.3 | 6.4 | 0.1 | 6.1 | 12.6 | R 11.4 | 0.1 | 0.1 | 120.7 | R 227.2 | R 259.0 | R 486.2 |
| 2008 | 0.0 | 87.1 | R 6.2 | 0.1 | 8.0 | R 14.3 | R 11.9 | 0.1 | 0.2 | 124.0 | R 237.5 | R 265.4 | R 502.8 |
| 2009 | 0.0 | 86.7 | 5.8 | 0.1 | 8.9 | 14.8 | 11.4 | 0.1 | 0.2 | 125.4 | 238.5 | 263.9 | 502.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 74 | 6 | 2,308 | 0 | 86 | 222 | 441 | 3,057 | NA | – – | – – | 3,220 | – – | – – | – – |
| 1965 | 63 | 11 | 2,053 | 1 | 222 | 255 | 412 | 2,944 | NA | – – | – – | 4,380 | – – | – – | – – |
| 1970 | 15 | 18 | 2,224 | 15 | 284 | 304 | 481 | 3,308 | NA | – – | – – | 6,723 | – – | – – | – – |
| 1975 | 14 | 32 | 1,519 | 26 | 100 | 374 | 355 | 2,374 | NA | – – | – – | 10,377 | – – | – – | – – |
| 1980 | 127 | 31 | 1,073 | 18 | 155 | 478 | 426 | 2,150 | NA | – – | – – | 13,845 | – – | – – | – – |
| 1985 | 168 | 35 | 4,154 | 206 | 137 | 357 | 748 | 5,602 | NA | – – | – – | 18,965 | – – | – – | – – |
| 1990 | 53 | 39 | 1,865 | 14 | 163 | 281 | 53 | 2,376 | 85 | – – | – – | 21,510 | – – | – – | – – |
| 1995 | 68 | 43 | 1,264 | 14 | 307 | 59 | 110 | 1,754 | 83 | – – | – – | 23,912 | – – | – – | – – |
| 1996 | 21 | 48 | 989 | 8 | 312 | 60 | 168 | 1,537 | 77 | – – | – – | 25,147 | – – | – – | – – |
| 1997 | 19 | 47 | 1,087 | 13 | 597 | 60 | 45 | 1,802 | 79 | – – | – – | 25,209 | – – | – – | – – |
| 1998 | 12 | 46 | 856 | 24 | 542 | 63 | 33 | 1,518 | 75 | – – | – – | 25,876 | – – | – – | – – |
| 1999 | 15 | 51 | 950 | 12 | 498 | 321 | 28 | 1,809 | 82 | – – | – – | 26,695 | – – | – – | – – |
| 2000 | 18 | 50 | 902 | 12 | 514 | 275 | 27 | 1,729 | 70 | – – | – – | 28,047 | – – | – – | – – |
| 2001 | 20 | 57 | 1,204 | 22 | 560 | 146 | 7 | 1,938 | 57 | – – | – – | 27,528 | – – | – – | – – |
| 2002 | 20 | 46 | 1,155 | 23 | 764 | 187 | 3 | 2,133 | 0 | – – | – – | 27,528 | – – | – – | – – |
| 2003 | 23 | 48 | 1,067 | 29 | 485 | 83 | 1 | 1,664 | 53 | – – | – – | 28,039 | – – | – – | – – |
| 2004 | 21 | 48 | 746 | 30 | 370 | 85 | 0 | 1,231 | 73 | – – | – – | 28,226 | – – | – – | – – |
| 2005 | 0 | 50 | 1,038 | 48 | 401 | 137 | 0 | 1,624 | 49 | – – | – – | 28,100 | – – | – – | – – |
| 2006 | (s) | 51 | 1,018 | 22 | 471 | 137 | 1 | 1,649 | 62 | – – | – – | 28,580 | – – | – – | – – |
| 2007 | (s) | 54 | 783 | 10 | 474 | 168 | (s) | 1,436 | 45 | – – | – – | 29,599 | – – | – – | – – |
| 2008 | 0 | 56 | R 1,318 | 7 | 768 | 162 | 0 | R 2,255 | 46 | – – | – – | 29,878 | – – | – – | – – |
| 2009 | 0 | 56 | 1,044 | 6 | 678 | 139 | 275 | 2,141 | 45 | – – | – – | 30,055 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 1.7 | 6.7 | 13.4 | 0.0 | 0.3 | 1.2 | 2.8 | 17.7 | NA | 0.3 | NA | 11.0 | 37.4 | 27.2 | 64.6 |
| 1965 | 1.4 | 11.5 | 12.0 | (s) | 0.9 | 1.3 | 2.6 | 16.8 | NA | 0.2 | NA | 14.9 | 44.9 | 35.7 | 80.5 |
| 1970 | 0.3 | 19.5 | 13.0 | 0.1 | 1.1 | 1.6 | 3.0 | 18.7 | NA | 0.2 | NA | 22.9 | 61.7 | 55.5 | 117.2 |
| 1975 | 0.3 | 33.3 | 8.8 | 0.1 | 0.4 | 2.0 | 2.2 | 13.6 | NA | 0.2 | NA | 35.4 | 82.8 | R 84.9 | R 167.7 |
| 1980 | 2.9 | 32.4 | 6.2 | 0.1 | 0.6 | 2.5 | 2.7 | 12.1 | NA | 0.2 | NA | 47.2 | 94.8 | R 113.5 | R 208.3 |
| 1985 | 3.9 | 36.9 | 24.2 | 1.2 | 0.5 | 1.9 | 4.7 | 32.4 | NA | 0.4 | NA | 64.7 | 138.4 | R 148.2 | R 286.6 |
| 1990 | 1.1 | 39.8 | 10.9 | 0.1 | 0.6 | 1.5 | 0.3 | 13.3 | 0.9 | 1.5 | 0.1 | 73.4 | 130.1 | R 168.4 | R 298.5 |
| 1995 | 1.5 | 44.4 | 7.4 | 0.1 | 1.1 | 0.3 | 0.7 | 9.6 | 0.9 | 2.3 | 0.2 | 81.6 | 140.4 | R 184.2 | R 324.6 |
| 1996 | 0.5 | 50.0 | 5.8 | (s) | 1.1 | 0.3 | 1.1 | 8.3 | 0.8 | 2.4 | 0.2 | 85.8 | 148.0 | R 193.9 | R 341.9 |
| 1997 | 0.4 | 49.0 | 6.3 | 0.1 | 2.2 | 0.3 | 0.3 | 9.2 | 0.8 | 2.5 | 0.2 | 86.0 | 148.1 | R 193.6 | R 341.7 |
| 1998 | 0.3 | 47.7 | 5.0 | 0.1 | 2.0 | 0.3 | 0.2 | 7.6 | 0.8 | 2.2 | 0.3 | 88.3 | 147.2 | R 199.0 | R 346.1 |
| 1999 | 0.4 | 53.5 | 5.5 | 0.1 | 1.8 | 1.7 | 0.2 | 9.3 | 0.8 | 2.3 | 0.3 | 91.1 | 157.6 | R 207.1 | R 364.7 |
| 2000 | 0.5 | 52.6 | 5.3 | 0.1 | 1.9 | 1.4 | 0.2 | 8.8 | 0.7 | 2.5 | 0.3 | 95.7 | 161.0 | R 216.4 | R 377.5 |
| 2001 | 0.5 | 59.1 | 7.0 | 0.1 | 2.0 | 0.8 | (s) | 10.0 | 0.6 | 4.2 | 0.3 | 93.9 | 168.6 | R 208.1 | R 376.7 |
| 2002 | 0.5 | 47.8 | 6.7 | 0.1 | 2.8 | 1.0 | (s) | 10.6 | 0.0 | 4.3 | 0.3 | 93.9 | 157.5 | R 208.1 | R 365.6 |
| 2003 | 0.5 | 49.1 | 6.2 | 0.2 | 1.8 | 0.4 | (s) | 8.6 | 0.5 | 4.5 | 0.5 | 95.7 | 159.3 | R 209.9 | R 369.2 |
| 2004 | 0.5 | 49.8 | 4.3 | 0.2 | 1.3 | 0.4 | 0.0 | 6.3 | 0.7 | 4.4 | 0.5 | 96.3 | 158.5 | R 211.8 | R 370.3 |
| 2005 | 0.0 | 51.2 | 6.0 | 0.3 | 1.5 | 0.7 | 0.0 | 8.5 | 0.5 | R 1.8 | 0.6 | 95.9 | R 158.5 | R 208.5 | R 367.0 |
| 2006 | (s) | 52.8 | 5.9 | 0.1 | 1.7 | 0.7 | (s) | 8.5 | 0.6 | R 1.7 | 0.6 | 97.5 | R 161.7 | R 209.6 | R 371.4 |
| 2007 | (s) | 55.1 | 4.6 | 0.1 | 1.7 | 0.9 | (s) | 7.2 | 0.4 | R 1.8 | 0.7 | 101.0 | R 166.2 | R 216.6 | R 382.8 |
| 2008 | 0.0 | 57.9 | R 7.7 | (s) | 2.8 | 0.8 | 0.0 | 11.3 | 0.4 | R 1.9 | 0.7 | 101.9 | R 174.2 | R 218.2 | R 392.4 |
| 2009 | 0.0 | 57.4 | 6.1 | (s) | 2.4 | 0.7 | 1.7 | 11.0 | 0.4 | 1.9 | 0.8 | 102.5 | 174.0 | 215.8 | 389.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 420 | 50 | 5,937 | 134 | 802 | 7,137 | 5,134 | 19,144 | 195 | – – | – – | – – | 13,975 | – – | – – | – – |
| 1965 | 341 | 79 | 5,546 | 155 | 765 | 7,281 | 9,804 | 23,551 | 190 | – – | – – | – – | 18,703 | – – | – – | – – |
| 1970 | 210 | 93 | 4,986 | 274 | 551 | 7,874 | 12,331 | 26,015 | 135 | – – | – – | – – | 25,530 | – – | – – | – – |
| 1975 | 463 | 92 | 4,025 | 250 | 438 | 5,924 | 15,456 | 26,094 | 181 | – – | – – | – – | 27,416 | – – | – – | – – |
| 1980 | 332 | 64 | 4,350 | 658 | 278 | 6,538 | 12,506 | 24,331 | 129 | – – | – – | – – | 31,366 | – – | – – | – – |
| 1985 | 208 | 63 | 2,689 | 1,487 | 692 | 5,167 | 14,164 | 24,199 | 129 | – – | – – | – – | 29,431 | – – | – – | – – |
| 1990 | 229 | 78 | 3,976 | 1,228 | 658 | 1,989 | 20,233 | 28,084 | 189 | – – | – – | – – | 40,712 | – – | – – | – – |
| 1995 | 223 | 110 | 3,724 | 1,278 | 555 | 644 | 23,210 | 29,411 | 197 | – – | – – | – – | 34,276 | – – | – – | – – |
| 1996 | 152 | 114 | 3,700 | 1,568 | 565 | 323 | 24,348 | 30,503 | 178 | – – | – – | – – | 31,247 | – – | – – | – – |
| 1997 | 156 | 111 | 3,449 | 2,190 | 593 | 303 | 21,851 | 28,387 | 217 | – – | – – | – – | 33,956 | – – | – – | – – |
| 1998 | 117 | 133 | 4,299 | 2,049 | 491 | 255 | 28,039 | 35,132 | 163 | – – | – – | – – | 37,616 | – – | – – | – – |
| 1999 | 95 | 124 | 3,608 | 2,085 | 506 | 351 | 30,520 | 37,070 | 216 | – – | – – | – – | 39,499 | – – | – – | – – |
| 2000 | 126 | 84 | 2,953 | 4,003 | 533 | 888 | 24,435 | 32,813 | 32 | – – | – – | – – | 35,410 | – – | – – | – – |
| 2001 | 128 | 75 | 3,586 | 4,405 | 1,040 | 138 | 18,434 | 27,602 | 3 | – – | – – | – – | 19,339 | – – | – – | – – |
| 2002 | 103 | 68 | 3,193 | 1,182 | 1,103 | 156 | 17,879 | 23,513 | 178 | – – | – – | – – | 15,792 | – – | – – | – – |
| 2003 | 90 | 66 | 2,886 | 545 | 1,115 | 83 | 17,776 | 22,404 | 2 | – – | – – | – – | 18,180 | – – | – – | – – |
| 2004 | 84 | 68 | 2,434 | 569 | 1,272 | 19 | 19,916 | 24,211 | 2 | – – | – – | – – | 19,259 | – – | – – | – – |
| 2005 | 71 | 67 | 2,900 | 237 | 1,261 | 12 | 21,790 | 26,201 | 2 | – – | – – | – – | 22,112 | – – | – – | – – |
| 2006 | 94 | 71 | 3,707 | 284 | 1,311 | 7 | R 22,374 | R 27,683 | 2 | – – | – – | – – | 22,013 | – – | – – | – – |
| 2007 | 136 | 74 | 3,970 | 336 | 969 | 3 | R 21,101 | R 26,379 | 3 | – – | – – | – – | 20,753 | – – | – – | – – |
| 2008 | 148 | 76 | R 4,459 | R 1,283 | 876 | 7 | R 20,883 | R 27,508 | 2 | – – | – – | – – | 21,117 | – – | – – | – – |
| 2009 | 170 | 71 | 2,908 | 942 | 850 | 0 | 20,197 | 24,897 | 2 | – – | – – | – – | 23,354 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 10.9 | 51.8 | 34.6 | 0.5 | 4.2 | 44.9 | 31.6 | 115.8 | 2.1 | 40.4 | NA | NA | 47.7 | 268.7 | 117.9 | 386.7 |
| 1965 | 8.8 | 85.3 | 32.3 | 0.6 | 4.0 | 45.8 | 59.9 | 142.6 | 2.0 | 53.5 | NA | NA | 63.8 | 356.0 | R 152.3 | 508.4 |
| 1970 | 5.1 | 98.3 | 29.0 | 1.0 | 2.9 | 49.5 | 75.4 | 157.8 | 1.4 | 56.8 | NA | NA | 87.1 | 406.5 | R 210.7 | R 617.2 |
| 1975 | 10.9 | 96.0 | 23.4 | 0.9 | 2.3 | 37.2 | 94.6 | 158.5 | 1.9 | 53.9 | NA | NA | 93.5 | 414.7 | R 224.4 | R 639.1 |
| 1980 | 7.1 | 67.0 | 25.3 | 2.4 | 1.5 | 41.1 | 76.2 | 146.5 | 1.3 | 78.3 | NA | NA | 107.0 | 407.2 | R 257.1 | R 664.3 |
| 1985 | 4.5 | 65.7 | 15.7 | 5.4 | 3.6 | 32.5 | 87.0 | 144.2 | 1.4 | 91.7 | 0.3 | NA | 100.4 | 408.2 | R 230.0 | R 638.2 |
| 1990 | 5.2 | 80.8 | 23.2 | 4.5 | 3.5 | 12.5 | 123.2 | 166.8 | 2.0 | 75.0 | 0.3 | 0.0 | 138.9 | 468.8 | R 318.7 | R 787.5 |
| 1995 | 4.2 | 114.6 | 21.7 | 4.6 | 2.9 | 4.1 | 141.0 | 174.3 | 2.0 | 64.7 | 0.3 | 0.0 | 117.0 | 477.1 | R 264.0 | R 741.1 |
| 1996 | 3.0 | 118.6 | 21.6 | 5.7 | 2.9 | 2.0 | 148.3 | 180.5 | 1.8 | 62.9 | 0.1 | 0.0 | 106.6 | 473.7 | R 240.9 | R 714.6 |
| 1997 | 3.2 | 116.6 | 20.1 | 7.9 | 3.1 | 1.9 | 133.5 | 166.5 | 2.2 | 70.1 | 0.1 | 0.0 | 115.9 | 474.6 | R 260.8 | R 735.4 |
| 1998 | 2.7 | 139.3 | 25.0 | 7.4 | 2.6 | 1.6 | 171.1 | 207.7 | 1.7 | 64.9 | 0.1 | 0.0 | 128.3 | 544.7 | R 289.2 | R 833.9 |
| 1999 | 2.2 | 131.0 | 21.0 | 7.5 | 2.6 | 2.2 | 185.9 | 219.3 | 2.2 | 65.6 | 0.1 | 0.0 | 134.8 | 555.3 | R 306.4 | R 861.7 |
| 2000 | 2.8 | 87.3 | 17.2 | 14.4 | 2.8 | 5.6 | 150.0 | 190.0 | 0.3 | 62.2 | 0.1 | 0.0 | 120.8 | 463.6 | R 273.3 | R 736.8 |
| 2001 | 2.9 | 77.6 | 20.9 | 15.9 | 5.4 | 0.9 | 112.1 | 155.1 | (s) | 57.3 | 0.1 | 0.0 | 66.0 | R 359.0 | R 146.2 | R 505.2 |
| 2002 | 2.3 | 69.7 | 18.6 | 4.3 | 5.7 | 1.0 | 108.9 | 138.5 | 1.8 | 50.1 | 0.1 | 0.0 | 53.9 | 316.5 | R 119.4 | R 435.9 |
| 2003 | 2.1 | 67.6 | 16.8 | 2.0 | 5.8 | 0.5 | 107.7 | 132.8 | (s) | 53.0 | 0.1 | 0.0 | 62.0 | 317.6 | R 136.1 | R 453.7 |
| 2004 | 1.8 | 69.7 | 14.2 | 2.1 | 6.6 | 0.1 | 120.8 | 143.8 | (s) | 51.1 | (s) | 0.0 | 65.7 | 332.3 | R 144.5 | R 476.8 |
| 2005 | 1.5 | 68.9 | 16.9 | 0.9 | 6.6 | 0.1 | 132.1 | 156.5 | (s) | 56.9 | (s) | 0.0 | 75.4 | 359.3 | R 164.1 | R 523.4 |
| 2006 | 2.0 | 72.9 | 21.6 | 1.0 | 6.8 | (s) | R 135.9 | R 165.4 | (s) | R 81.1 | 0.0 | 0.0 | 75.1 | R 396.6 | R 161.5 | R 558.0 |
| 2007 | 3.2 | 75.5 | 23.1 | 1.2 | 5.1 | (s) | R 128.0 | R 157.4 | (s) | R 54.9 | 0.0 | 0.0 | 70.8 | R 361.9 | R 151.9 | R 513.7 |
| 2008 | 3.0 | 78.0 | R 26.0 | 4.6 | 4.6 | (s) | R 126.9 | R 162.1 | (s) | R 55.5 | 0.0 | 0.0 | 72.1 | R 370.7 | R 154.2 | R 524.9 |
| 2009 | 3.5 | 73.4 | 16.9 | 3.4 | 4.4 | 0.0 | 122.7 | 147.4 | (s) | 57.5 | 0.0 | 0.0 | 79.7 | 361.5 | 167.7 | 529.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 7 | (s) | 2,161 | 2,574 | 4,502 | 6 | 413 | 22,052 | 1,707 | 33,415 | 1 | – – | – – | – – |
| 1965 | 1 | 1 | 434 | 3,022 | 6,919 | 21 | 381 | 25,886 | 1,443 | 38,104 | 2 | – – | – – | – – |
| 1970 | (s) | 6 | 351 | 3,956 | 10,637 | 38 | 400 | 35,213 | 2,025 | 52,620 | 2 | – – | – – | – – |
| 1975 | (s) | 6 | 274 | 6,616 | 14,036 | 37 | 428 | 40,196 | 2,109 | 63,696 | 2 | – – | – – | – – |
| 1980 | 0 | 4 | 356 | 9,595 | 12,036 | 92 | 501 | 41,897 | 10,112 | 74,589 | 2 | – – | – – | – – |
| 1985 | 0 | 3 | 202 | 10,139 | 15,417 | 329 | 456 | 42,971 | 5,492 | 75,005 | 14 | – – | – – | – – |
| 1990 | 0 | 5 | 313 | 11,609 | 22,343 | 291 | 513 | 52,525 | 14,229 | 101,823 | 16 | – – | – – | – – |
| 1995 | 0 | 9 | 229 | 14,082 | 23,039 | 179 | 490 | 58,222 | 16,551 | 112,793 | 18 | – – | – – | – – |
| 1996 | 0 | 7 | 292 | 15,233 | 22,323 | 148 | 475 | 60,986 | 12,277 | 111,734 | 17 | – – | – – | – – |
| 1997 | 0 | 9 | 202 | 17,668 | 22,464 | 97 | 502 | 60,559 | 12,576 | 114,068 | 18 | – – | – – | – – |
| 1998 | 0 | 9 | 356 | 14,863 | 21,879 | 100 | 525 | 61,279 | 9,345 | 108,347 | 18 | – – | – – | – – |
| 1999 | 0 | 8 | 283 | 17,767 | 22,155 | 13 | 531 | 62,412 | 7,610 | 110,771 | 20 | – – | – – | – – |
| 2000 | 0 | 6 | 332 | 18,748 | 24,726 | 18 | 523 | 62,246 | 6,635 | 113,227 | 18 | – – | – – | – – |
| 2001 | 0 | 9 | 148 | 16,924 | 21,815 | 25 | 479 | 62,306 | 6,271 | 107,968 | 19 | – – | – – | – – |
| 2002 | 0 | 7 | 258 | 18,541 | 18,076 | 27 | 473 | 63,254 | 5,288 | 105,918 | 19 | – – | – – | – – |
| 2003 | 0 | 7 | 225 | 18,113 | 17,493 | 101 | 438 | 63,119 | 5,987 | 105,475 | 42 | – – | – – | – – |
| 2004 | 0 | 9 | 202 | 19,415 | 19,219 | 104 | 443 | 62,945 | 6,515 | 108,844 | 42 | – – | – – | – – |
| 2005 | 0 | 9 | 262 | 19,543 | 18,480 | 239 | 441 | 63,818 | 7,773 | 110,556 | 2 | – – | – – | – – |
| 2006 | 0 | 7 | 184 | 23,925 | 18,588 | 244 | 430 | 64,264 | 6,199 | 113,833 | 1 | – – | – – | – – |
| 2007 | 0 | 8 | 176 | 24,589 | 20,451 | 167 | 444 | 64,756 | 9,979 | 120,562 | 2 | – – | – – | – – |
| 2008 | 0 | 7 | 132 | R 23,996 | 20,110 | R 416 | 412 | 62,853 | 4,638 | R 112,557 | 2 | – – | – – | – – |
| 2009 | 0 | 8 | 112 | 20,262 | 18,293 | 229 | 370 | 63,761 | 7,234 | 110,261 | 3 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.2 | 0.4 | 10.9 | 15.0 | 24.4 | (s) | 2.5 | 115.8 | 10.7 | 179.4 | (s) | 180.0 | (s) | 180.0 |
| 1965 | (s) | 0.7 | 2.2 | 17.6 | 38.2 | 0.1 | 2.3 | 136.0 | 9.1 | 205.4 | (s) | 206.2 | (s) | 206.2 |
| 1970 | (s) | 6.8 | 1.8 | 23.0 | 59.3 | 0.1 | 2.4 | 185.0 | 12.7 | 284.4 | (s) | 291.2 | (s) | 291.2 |
| 1975 | (s) | 6.1 | 1.4 | 38.5 | 78.7 | 0.1 | 2.6 | 211.1 | 13.3 | 345.8 | (s) | 351.9 | (s) | 351.9 |
| 1980 | 0.0 | 3.9 | 1.8 | 55.9 | 67.5 | 0.3 | 3.0 | 220.1 | 63.6 | 412.2 | (s) | 416.1 | (s) | 416.1 |
| 1985 | 0.0 | 3.0 | 1.0 | 59.1 | 86.6 | 1.2 | 2.8 | 225.7 | 34.5 | 410.9 | (s) | 414.0 | 0.1 | 414.1 |
| 1990 | 0.0 | 5.3 | 1.6 | 67.6 | 126.0 | 1.1 | 3.1 | 275.9 | 89.5 | 564.8 | 0.1 | 570.8 | 0.1 | 570.9 |
| 1995 | 0.0 | 9.1 | 1.2 | 82.0 | 130.4 | 0.6 | 3.0 | 303.6 | 104.1 | 624.9 | 0.1 | 634.0 | 0.1 | 634.2 |
| 1996 | 0.0 | 7.3 | 1.5 | 88.7 | 126.5 | 0.5 | 2.9 | 318.1 | 77.2 | 615.4 | 0.1 | 622.8 | 0.1 | 622.9 |
| 1997 | 0.0 | 9.4 | 1.0 | 102.9 | 127.4 | 0.4 | 3.0 | 315.7 | 79.1 | 629.5 | 0.1 | 638.9 | 0.1 | 639.1 |
| 1998 | 0.0 | 9.7 | 1.8 | 86.6 | 124.1 | 0.4 | 3.2 | 319.4 | 58.8 | 594.1 | 0.1 | 603.9 | 0.1 | 604.0 |
| 1999 | 0.0 | 8.3 | 1.4 | 103.5 | 125.6 | (s) | 3.2 | 325.2 | 47.8 | 606.9 | 0.1 | 615.2 | 0.2 | 615.4 |
| 2000 | 0.0 | 6.6 | 1.7 | 109.2 | 140.2 | 0.1 | 3.2 | 324.3 | 41.7 | 620.3 | 0.1 | 626.9 | 0.1 | 627.1 |
| 2001 | 0.0 | 9.7 | 0.7 | 98.6 | 123.7 | 0.1 | 2.9 | 324.6 | 39.4 | 590.1 | 0.1 | 599.8 | 0.1 | 599.9 |
| 2002 | 0.0 | 6.8 | 1.3 | 108.0 | 102.5 | 0.1 | 2.9 | 329.4 | 33.2 | 577.4 | 0.1 | 584.3 | 0.1 | 584.5 |
| 2003 | 0.0 | 7.1 | 1.1 | 105.5 | 99.2 | 0.4 | 2.7 | 328.7 | 37.6 | 575.1 | 0.1 | 582.4 | 0.3 | 582.7 |
| 2004 | 0.0 | 9.5 | 1.0 | 113.1 | 109.0 | 0.4 | 2.7 | 328.3 | 41.0 | 595.4 | 0.1 | 605.0 | 0.3 | 605.3 |
| 2005 | 0.0 | 9.0 | 1.3 | 113.8 | 104.8 | 0.9 | 2.7 | 333.0 | 48.9 | 605.4 | (s) | 614.3 | (s) | 614.3 |
| 2006 | 0.0 | 7.3 | 0.9 | 139.4 | 105.4 | 0.9 | 2.6 | 335.3 | 39.0 | 623.5 | (s) | 630.7 | (s) | 630.7 |
| 2007 | 0.0 | 8.1 | 0.9 | 143.2 | 116.0 | 0.6 | 2.7 | 338.0 | 62.7 | 664.1 | (s) | 672.2 | (s) | 672.2 |
| 2008 | 0.0 | R 7.3 | 0.7 | R 139.8 | 114.0 | 1.5 | 2.5 | 328.0 | 29.2 | R 615.6 | (s) | R 622.9 | (s) | R 622.9 |
| 2009 | 0.0 | 7.9 | 0.6 | 118.0 | 103.7 | 0.8 | 2.2 | 332.7 | 45.5 | 603.6 | (s) | 611.5 | (s) | 611.5 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Washington

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 0 | 0 | 14 | 2 | 0 | 16 | 0 | 34,154 | – – | 0 | NA | NA | -50 | – – |
| 1965 | 0 | 0 | 3 | (s) | 0 | 3 | 0 | 49,105 | – – | 0 | NA | NA | -481 | – – |
| 1970 | 0 | 0 | 3 | (s) | 0 | 4 | 2,614 | 69,391 | – – | 0 | NA | NA | 617 | – – |
| 1975 | 4,009 | 0 | 71 | 4 | 0 | 75 | 3,308 | 83,527 | – – | 0 | NA | NA | 1,730 | – – |
| 1980 | 4,950 | 1 | 201 | 31 | 0 | 232 | 2,041 | 82,982 | – – | 0 | NA | NA | 859 | – – |
| 1985 | 5,192 | (s) | 0 | 17 | 0 | 17 | 8,038 | 76,923 | – – | 0 | 0 | 0 | 904 | – – |
| 1990 | 4,852 | (s) | 1 | 30 | 0 | 31 | 5,742 | 87,193 | – – | 0 | 0 | 0 | 243 | – – |
| 1995 | 3,857 | 40 | 0 | 234 | 0 | 234 | 6,942 | 82,220 | – – | 0 | 0 | 0 | -765 | – – |
| 1996 | 5,507 | 42 | 0 | 364 | 0 | 364 | 5,588 | 98,262 | – – | 0 | 0 | 0 | 4,606 | – – |
| 1997 | 4,771 | 28 | 0 | 488 | 0 | 488 | 6,244 | 103,875 | – – | 0 | 0 | 0 | 3,632 | – – |
| 1998 | 6,111 | 40 | 0 | 83 | 0 | 83 | 6,916 | 79,577 | – – | 0 | 0 | 0 | 2,467 | – – |
| 1999 | 5,727 | 33 | 0 | 21 | 0 | 21 | 6,086 | 96,691 | – – | 0 | 0 | 0 | 1,808 | – – |
| 2000 | 6,355 | 74 | 0 | 782 | (s) | 783 | 8,605 | 80,161 | – – | 0 | 0 | 0 | -1,133 | – – |
| 2001 | 6,001 | 86 | 0 | 519 | 0 | 519 | 8,250 | 54,674 | – – | 0 | 0 | 0 | -5,057 | – – |
| 2002 | 6,126 | 40 | 0 | 39 | 0 | 39 | 9,048 | 77,989 | – – | 0 | 0 | 417 | -1,187 | – – |
| 2003 | 7,311 | 58 | 0 | 30 | 0 | 30 | 7,615 | 71,702 | – – | 0 | 0 | 604 | -1,956 | – – |
| 2004 | 6,879 | 66 | 0 | 54 | 0 | 54 | 8,982 | 71,501 | – – | 0 | 0 | 737 | -4,848 | – – |
| 2005 | 6,996 | 66 | 0 | 21 | 0 | 21 | 8,242 | 72,023 | – – | 0 | 0 | 498 | -3,005 | – – |
| 2006 | 4,125 | 59 | 0 | 39 | 0 | 39 | 9,328 | 81,944 | – – | 0 | 0 | 1,038 | -8,657 | – – |
| 2007 | 5,681 | 57 | 0 | 27 | 0 | 27 | 8,109 | 78,781 | – – | 0 | 0 | 2,438 | -3,259 | – – |
| 2008 | 5,763 | 75 | 0 | 45 | 0 | 45 | 9,270 | 77,589 | – – | 0 | 0 | 3,657 | -7,273 | – – |
| 2009 | 4,974 | 91 | 0 | 71 | 0 | 71 | 6,634 | 72,886 | – – | 0 | 0 | 3,572 | -6,178 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.0 | 0.0 | 0.1 | (s) | 0.0 | 0.1 | 0.0 | 367.5 | (s) | 0.0 | NA | NA | -0.2 | 367.4 |
| 1965 | 0.0 | 0.0 | (s) | (s) | 0.0 | (s) | 0.0 | 513.3 | 0.0 | 0.0 | NA | NA | -1.6 | 511.7 |
| 1970 | 0.0 | 0.0 | (s) | (s) | 0.0 | (s) | 28.7 | 728.2 | (s) | 0.0 | NA | NA | 2.1 | 759.0 |
| 1975 | 64.9 | 0.0 | 0.4 | (s) | 0.0 | 0.5 | 36.4 | 869.2 | 0.0 | 0.0 | NA | NA | 5.9 | 976.9 |
| 1980 | 80.2 | 1.0 | 1.3 | 0.2 | 0.0 | 1.4 | 22.3 | 862.0 | 0.0 | 0.0 | NA | NA | 2.9 | 969.8 |
| 1985 | 84.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 85.4 | 803.6 | 2.9 | 0.0 | 0.0 | 0.0 | 3.1 | 979.3 |
| 1990 | 78.9 | 0.2 | (s) | 0.2 | 0.0 | 0.2 | 60.8 | 907.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.8 | 1,051.6 |
| 1995 | 63.8 | 41.4 | 0.0 | 1.4 | 0.0 | 1.4 | 72.9 | 847.9 | 6.0 | 0.0 | 0.0 | 0.0 | -2.6 | 1,030.7 |
| 1996 | 87.4 | 42.9 | 0.0 | 2.1 | 0.0 | 2.1 | 58.7 | 1,016.0 | 6.6 | 0.0 | 0.0 | 0.0 | 15.7 | 1,229.4 |
| 1997 | 76.7 | 28.4 | 0.0 | 2.8 | 0.0 | 2.8 | 65.5 | 1,060.9 | 6.6 | 0.0 | 0.0 | 0.0 | 12.4 | 1,253.3 |
| 1998 | 100.4 | 41.8 | 0.0 | 0.5 | 0.0 | 0.5 | 72.6 | 811.4 | 6.8 | 0.0 | 0.0 | 0.0 | 8.4 | 1,041.8 |
| 1999 | 94.3 | 33.9 | 0.0 | 0.1 | 0.0 | 0.1 | 63.6 | 988.8 | 7.5 | 0.0 | 0.0 | 0.0 | 6.2 | 1,194.3 |
| 2000 | 102.9 | 76.3 | 0.0 | 4.6 | (s) | 4.6 | 89.7 | 817.7 | 9.8 | 0.0 | 0.0 | 0.0 | -3.9 | 1,097.2 |
| 2001 | 96.0 | 88.6 | 0.0 | 3.0 | 0.0 | 3.0 | 86.2 | 564.9 | 7.4 | 0.0 | 0.0 | 0.0 | -17.3 | 828.9 |
| 2002 | 98.0 | 40.6 | 0.0 | 0.2 | 0.0 | 0.2 | 94.5 | 793.4 | 9.1 | 0.0 | 0.0 | 4.2 | -4.1 | 1,035.9 |
| 2003 | 115.5 | 59.1 | 0.0 | 0.2 | 0.0 | 0.2 | 79.4 | 734.3 | 12.8 | 0.0 | 0.0 | 6.2 | -6.7 | 1,000.7 |
| 2004 | 110.2 | 67.7 | 0.0 | 0.3 | 0.0 | 0.3 | 93.7 | 716.6 | 11.0 | 0.0 | 0.0 | 7.4 | -16.5 | 990.2 |
| 2005 | 110.8 | 67.3 | 0.0 | 0.1 | 0.0 | 0.1 | 86.0 | 720.2 | 11.2 | 0.0 | 0.0 | 5.0 | -10.3 | 990.3 |
| 2006 | 67.1 | 60.3 | 0.0 | 0.2 | 0.0 | 0.2 | 97.3 | 812.8 | 10.9 | 0.0 | 0.0 | 10.3 | -29.5 | 1,029.5 |
| 2007 | 92.5 | 58.6 | 0.0 | 0.2 | 0.0 | 0.2 | 85.0 | 778.7 | 11.2 | 0.0 | 0.0 | 24.1 | -11.1 | 1,039.3 |
| 2008 | 91.7 | 76.8 | 0.0 | 0.3 | 0.0 | 0.3 | 96.9 | 764.6 | 7.7 | 0.0 | 0.0 | 36.0 | -24.8 | 1,049.1 |
| 2009 | 80.5 | 94.0 | 0.0 | 0.4 | 0.0 | 0.4 | 69.4 | 711.4 | 7.8 | 0.0 | 0.0 | 34.9 | -21.1 | 977.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 14,058 | 150 | 2,473 | 169 | 558 | 11,609 | 1,481 | 6,574 | 22,864 | 0 | 938 | NA |
| 1965 | 19,049 | 164 | 2,837 | 130 | 961 | 12,762 | 2,153 | 13,871 | 32,714 | 0 | 828 | NA |
| 1970 | 25,376 | 181 | 3,917 | 290 | 1,230 | 15,831 | 2,065 | 16,469 | 39,801 | 0 | 996 | NA |
| 1971 | 26,010 | 178 | 4,663 | 231 | 1,324 | 16,428 | 1,882 | 15,252 | 39,780 | 0 | 1,146 | NA |
| 1972 | 29,834 | 199 | 5,598 | 200 | 1,514 | 16,904 | 1,751 | 17,266 | 43,233 | 0 | 1,246 | NA |
| 1973 | 33,587 | 186 | 6,080 | 193 | 1,610 | 18,200 | 1,377 | 18,421 | 45,881 | 0 | 1,176 | NA |
| 1974 | 35,693 | 182 | 5,651 | 206 | 1,763 | 18,326 | 1,736 | 19,285 | 46,966 | 0 | 1,148 | NA |
| 1975 | 34,469 | 158 | 5,922 | 249 | 1,498 | 19,314 | 2,504 | 18,556 | 48,043 | 0 | 1,063 | NA |
| 1976 | 36,314 | 151 | 6,146 | 285 | 1,454 | 20,538 | 4,718 | 14,318 | 47,459 | 0 | 1,026 | NA |
| 1977 | 35,620 | 145 | 8,292 | 299 | 1,519 | 21,205 | 4,901 | 16,823 | 53,039 | 0 | 943 | NA |
| 1978 | 32,852 | 152 | 7,502 | 285 | 1,390 | 21,267 | 4,236 | 18,034 | 52,714 | 0 | 925 | NA |
| 1979 | 34,176 | 149 | 10,097 | 324 | 3,118 | 20,498 | 2,745 | 21,936 | 58,718 | 0 | 1,232 | NA |
| 1980 | 34,939 | 143 | 10,541 | 357 | 3,435 | 19,390 | 1,463 | 22,344 | 57,530 | 0 | 1,114 | NA |
| 1981 | 35,893 | 149 | 9,432 | 339 | 3,249 | 18,802 | 991 | 21,616 | 54,429 | 0 | 1,090 | (s) |
| 1982 | 32,798 | 130 | 7,701 | 297 | 2,683 | 18,956 | 1,391 | 16,784 | 47,812 | 0 | 1,118 | 0 |
| 1983 | 33,269 | 116 | 10,113 | 277 | 2,698 | 18,686 | 1,097 | 13,768 | 46,639 | 0 | 1,109 | 0 |
| 1984 | 36,253 | 124 | 11,228 | 242 | 392 | 18,537 | 1,497 | 15,874 | 47,770 | 0 | 1,138 | 0 |
| 1985 | 34,999 | 117 | 10,414 | 235 | 1,157 | 18,513 | 970 | 15,651 | 46,939 | 0 | 1,058 | 0 |
| 1986 | 35,097 | 113 | 8,049 | 219 | 1,148 | 18,652 | 1,182 | 17,991 | 47,241 | 0 | 1,051 | 0 |
| 1987 | 34,890 | 115 | 9,718 | 211 | 1,202 | 19,338 | 541 | 18,123 | 49,133 | 0 | 1,005 | 0 |
| 1988 | 36,527 | 122 | 9,747 | 248 | 1,231 | 19,744 | 631 | 18,969 | 50,570 | 0 | 988 | 0 |
| 1989 | 37,289 | 129 | 10,518 | 380 | 1,535 | 19,484 | 1,047 | 19,029 | 51,994 | 0 | 1,307 | 0 |
| 1990 | 34,896 | 120 | 10,597 | 273 | 1,612 | 19,643 | 1,268 | 20,782 | 54,174 | 0 | 1,295 | 0 |
| 1991 | 32,028 | 111 | 10,393 | 237 | 1,821 | 19,342 | 1,064 | 14,409 | 47,266 | 0 | 1,065 | 0 |
| 1992 | 32,678 | 129 | 10,051 | 271 | 1,692 | 19,860 | 575 | 15,351 | 47,800 | 0 | 1,271 | 111 |
| 1993 | 33,574 | 135 | 10,930 | 257 | 1,821 | 19,638 | 509 | 14,939 | 48,093 | 0 | 1,114 | 65 |
| 1994 | 36,262 | 146 | 11,501 | 225 | 1,972 | 19,960 | 493 | 15,935 | 50,087 | 0 | 1,146 | 48 |
| 1995 | 35,381 | 149 | 11,287 | 174 | 1,944 | 20,891 | 197 | 15,248 | 49,740 | 0 | 1,193 | 33 |
| 1996 | 37,104 | 155 | 9,197 | 170 | 2,199 | 18,899 | 352 | 5,098 | 35,915 | 0 | 1,425 | 5 |
| 1997 | 38,098 | 160 | 10,526 | 172 | 2,874 | 19,752 | 231 | 5,089 | 38,644 | 0 | 1,139 | 5 |
| 1998 | 39,877 | 143 | 12,378 | 175 | 2,157 | 19,724 | 72 | 6,263 | 40,768 | 0 | 1,086 | 1 |
| 1999 | 40,351 | 140 | 11,854 | 184 | 1,076 | 19,491 | 93 | 6,087 | 38,785 | 0 | 930 | (s) |
| 2000 | 39,892 | 148 | 12,539 | 189 | 1,578 | 19,424 | 293 | 5,376 | 39,398 | 0 | 1,151 | 8 |
| 2001 | 35,622 | 141 | 12,554 | 191 | 1,386 | 19,717 | 228 | 14,339 | 48,415 | 0 | 952 | 126 |
| 2002 | 40,779 | 146 | 15,060 | 249 | 992 | 19,288 | 113 | 14,560 | 50,261 | 0 | 1,066 | 312 |
| 2003 | 40,223 | 127 | 12,346 | 262 | 1,192 | 19,592 | 50 | 14,278 | 47,720 | 0 | 1,356 | 411 |
| 2004 | 38,747 | 122 | 13,761 | 252 | 1,638 | 20,341 | 344 | 16,633 | 52,969 | 0 | 1,318 | 441 |
| 2005 | 40,306 | 117 | 14,406 | 238 | 1,048 | 20,203 | 440 | 15,521 | 51,856 | 0 | 1,448 | 112 |
| 2006 | 40,087 | 113 | 14,953 | 231 | 1,491 | 20,326 | 336 | R 8,903 | R 46,240 | 0 | 1,572 | 159 |
| 2007 | 40,708 | 116 | 14,744 | 236 | 1,176 | 20,217 | 999 | R 8,628 | R 46,000 | 0 | 1,254 | 224 |
| 2008 | 40,199 | 111 | R 14,483 | 227 | 1,307 | 18,569 | 621 | R 8,622 | R 43,829 | 0 | 1,248 | 1,229 |
| 2009 | 31,103 | 105 | 13,613 | 198 | 1,165 | 20,098 | 85 | 4,793 | 39,952 | 0 | 1,646 | 1,667 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 354.4 | 155.6 | 14.4 | 0.9 | 2.2 | 61.0 | 9.3 | 39.0 | 126.8 | 636.8 | *155.6* | *61.0* |
| 1965 | 477.4 | 176.1 | 16.5 | 0.7 | 3.9 | 67.0 | 13.5 | 79.3 | 181.0 | 834.4 | *176.1* | *67.0* |
| 1970 | 612.4 | 186.5 | 22.8 | 1.6 | 4.6 | 83.2 | 13.0 | 92.5 | 217.7 | 1,016.6 | *186.5* | *83.2* |
| 1971 | 618.8 | 183.6 | 27.2 | 1.3 | 5.0 | 86.3 | 11.8 | 86.3 | 217.8 | 1,020.2 | *183.6* | *86.3* |
| 1972 | 716.5 | 204.9 | 32.6 | 1.1 | 5.7 | 88.8 | 11.0 | 98.0 | 237.2 | 1,158.7 | *204.9* | *88.8* |
| 1973 | 810.2 | 191.9 | 35.4 | 1.1 | 6.0 | 95.6 | 8.7 | 104.6 | 251.4 | 1,253.4 | *191.9* | *95.6* |
| 1974 | 841.8 | 186.6 | 32.9 | 1.1 | 6.6 | 96.3 | 10.9 | 109.0 | 256.8 | 1,285.2 | *186.6* | *96.3* |
| 1975 | 817.4 | 164.3 | 34.5 | 1.4 | 5.6 | 101.5 | 15.7 | 105.3 | 264.0 | 1,245.7 | *164.3* | *101.5* |
| 1976 | 872.4 | 157.2 | 35.8 | 1.6 | 5.4 | 107.9 | 29.7 | 81.9 | 262.2 | 1,291.7 | *157.2* | *107.9* |
| 1977 | 847.7 | 150.6 | 48.3 | 1.7 | 5.6 | 111.4 | 30.8 | 96.3 | 294.1 | 1,292.4 | *150.6* | *111.4* |
| 1978 | 785.7 | 156.6 | 43.7 | 1.6 | 5.1 | 111.7 | 26.6 | 103.6 | 292.3 | 1,234.6 | *156.6* | *111.7* |
| 1979 | 828.8 | 152.1 | 58.8 | 1.8 | 11.5 | 107.7 | 17.3 | 123.8 | 320.9 | 1,301.8 | *152.1* | *107.7* |
| 1980 | 857.8 | 147.6 | 61.4 | 2.0 | 12.6 | 101.9 | 9.2 | 124.4 | 311.5 | 1,316.9 | *147.6* | *101.9* |
| 1981 | 877.5 | 154.5 | 54.9 | 1.9 | 11.8 | 98.8 | 6.2 | 120.3 | 294.0 | 1,326.0 | *154.5* | *98.8* |
| 1982 | 808.0 | 136.1 | 44.9 | 1.7 | 9.7 | 99.6 | 8.7 | 93.4 | 258.0 | 1,202.0 | *136.1* | *99.6* |
| 1983 | 826.1 | 120.2 | 58.9 | 1.5 | 9.8 | 98.2 | 6.9 | 77.8 | 253.1 | 1,199.4 | *120.2* | *98.2* |
| 1984 | 898.4 | 131.0 | 65.4 | 1.3 | 1.4 | 97.4 | 9.4 | 87.4 | 262.3 | 1,291.7 | *131.0* | *97.4* |
| 1985 | 871.7 | 125.0 | 60.7 | 1.3 | 4.2 | 97.2 | 6.1 | 86.5 | 256.0 | 1,252.8 | *125.0* | *97.2* |
| 1986 | 877.2 | 121.1 | 46.9 | 1.2 | 4.2 | 98.0 | 7.4 | 99.7 | 257.4 | 1,255.8 | *121.1* | *98.0* |
| 1987 | 871.7 | 123.7 | 56.6 | 1.2 | 4.4 | 101.6 | 3.4 | 99.8 | 267.0 | 1,262.5 | *123.7* | *101.6* |
| 1988 | 915.4 | 131.5 | 56.8 | 1.4 | 4.5 | 103.7 | 4.0 | 105.4 | 275.7 | 1,322.7 | *131.5* | *103.7* |
| 1989 | 932.5 | 139.4 | 61.3 | 2.1 | 5.7 | 102.4 | 6.6 | 105.6 | 283.6 | 1,355.5 | *139.4* | *102.4* |
| 1990 | 873.5 | 129.0 | 61.7 | 1.5 | 5.8 | 103.2 | 8.0 | 115.2 | 295.5 | 1,298.0 | *129.0* | *103.2* |
| 1991 | 802.0 | 118.8 | 60.5 | 1.3 | 6.6 | 101.6 | 6.7 | 80.2 | 256.9 | 1,177.8 | *118.8* | *101.6* |
| 1992 | 812.7 | 137.7 | 58.5 | 1.5 | 6.1 | 104.3 | 3.6 | 85.2 | 259.3 | 1,209.7 | *137.7* | *104.3* |
| 1993 | 821.2 | 144.2 | 63.7 | 1.4 | 6.6 | 102.9 | 3.2 | 82.6 | 260.4 | 1,225.8 | *144.2* | *103.2* |
| 1994 | 890.8 | 155.1 | 67.0 | 1.3 | 7.2 | 104.2 | 3.1 | 88.4 | 271.1 | 1,317.0 | *155.1* | *104.4* |
| 1995 | 871.3 | 157.8 | 65.7 | 1.0 | 7.0 | 108.8 | 1.2 | 84.4 | 268.3 | 1,297.4 | *157.8* | *108.9* |
| 1996 | 913.6 | 164.3 | 53.6 | 1.0 | 7.9 | 98.6 | 2.2 | 30.1 | 193.4 | 1,271.3 | *164.3* | *98.6* |
| 1997 | 937.7 | 170.3 | 61.3 | 1.0 | 10.4 | 103.0 | 1.5 | 30.2 | 207.3 | 1,315.3 | *170.3* | *103.0* |
| 1998 | 978.3 | 151.9 | 72.1 | 1.0 | 7.8 | 102.8 | 0.5 | 37.3 | 221.4 | 1,351.6 | *151.9* | *102.8* |
| 1999 | 993.0 | 147.7 | 69.0 | 1.0 | 3.9 | 101.6 | 0.6 | 35.9 | 212.0 | 1,352.7 | *147.7* | *101.6* |
| 2000 | 977.8 | 157.9 | 73.0 | 1.1 | 5.7 | 101.2 | 1.8 | 31.7 | 214.5 | 1,350.2 | *157.9* | *101.2* |
| 2001 | 866.6 | 150.5 | 73.1 | 1.1 | 5.0 | 102.3 | 1.4 | 80.9 | R 263.9 | 1,281.0 | *150.5* | *102.7* |
| 2002 | 993.5 | 155.5 | 87.7 | 1.4 | 3.6 | R 99.4 | 0.7 | 82.6 | 275.4 | 1,424.4 | *155.5* | *100.5* |
| 2003 | 978.4 | 135.4 | 71.9 | 1.5 | 4.3 | 100.6 | 0.3 | 80.4 | 259.0 | 1,372.8 | *135.4* | *102.0* |
| 2004 | 937.1 | 129.4 | 80.2 | 1.4 | 5.9 | 104.5 | 2.2 | 93.8 | 288.0 | 1,354.4 | *129.4* | *106.1* |
| 2005 | 959.7 | 125.0 | 83.9 | 1.4 | 3.8 | 105.0 | 2.8 | 87.6 | 284.4 | 1,369.1 | *125.0* | *105.4* |
| 2006 | 958.9 | 126.3 | 87.1 | 1.3 | 5.4 | 105.5 | 2.1 | R 52.4 | R 253.8 | R 1,339.0 | *126.3* | *106.1* |
| 2007 | 983.3 | 124.4 | 85.9 | 1.3 | 4.2 | 104.7 | 6.3 | R 50.8 | R 253.2 | R 1,360.9 | *124.4* | *105.5* |
| 2008 | 955.6 | 119.7 | R 84.4 | 1.3 | 4.7 | R 92.6 | 3.9 | R 51.4 | R 238.3 | R 1,313.7 | *119.7* | *96.9* |
| 2009 | 742.9 | 113.9 | 79.3 | 1.1 | 4.1 | 99.1 | 0.5 | 28.4 | 212.6 | 1,069.4 | *113.9* | *104.9* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 10.1 | 13.4 | NA | NA | 13.4 | 0.0 | NA | NA | 23.5 | -42.2 | 0.0 | 618.1 |
| 1965 | 0.0 | 8.7 | 11.9 | NA | NA | 11.9 | 0.0 | NA | NA | 20.6 | R -57.1 | 0.0 | 798.0 |
| 1970 | 0.0 | 10.4 | 10.7 | NA | NA | 10.7 | 0.0 | NA | NA | 21.2 | R -178.8 | 0.0 | R 859.0 |
| 1971 | 0.0 | 12.0 | 10.3 | NA | NA | 10.3 | 0.0 | NA | NA | 22.3 | R -205.9 | 0.0 | R 836.6 |
| 1972 | 0.0 | 12.9 | 11.8 | NA | NA | 11.8 | 0.0 | NA | NA | 24.8 | R -288.1 | 0.0 | R 895.4 |
| 1973 | 0.0 | 12.2 | 12.0 | NA | NA | 12.0 | 0.0 | NA | NA | 24.2 | R -358.8 | 0.0 | R 918.8 |
| 1974 | 0.0 | 12.0 | 11.8 | NA | NA | 11.8 | 0.0 | NA | NA | 23.8 | R -391.5 | 0.0 | R 917.4 |
| 1975 | 0.0 | 11.1 | 11.7 | NA | NA | 11.7 | 0.0 | NA | NA | 22.8 | R -412.4 | 0.0 | R 856.1 |
| 1976 | 0.0 | 10.6 | 14.1 | NA | NA | 14.1 | 0.0 | NA | NA | 24.8 | R -444.0 | 0.0 | R 872.5 |
| 1977 | 0.0 | 9.8 | 14.5 | NA | NA | 14.5 | 0.0 | NA | NA | 24.3 | R -438.3 | 0.0 | R 878.4 |
| 1978 | 0.0 | 9.6 | 17.7 | NA | NA | 17.7 | 0.0 | NA | NA | 27.3 | R -386.8 | 0.0 | R 875.1 |
| 1979 | 0.0 | 12.8 | 21.1 | NA | NA | 21.1 | 0.0 | NA | NA | 33.9 | R -425.0 | 0.0 | R 910.6 |
| 1980 | 0.0 | 11.6 | 11.9 | NA | NA | 11.9 | 0.0 | NA | NA | 23.4 | R -458.3 | 0.0 | R 882.1 |
| 1981 | 0.0 | 11.4 | 10.6 | (s) | 0.0 | 10.6 | 0.0 | NA | NA | 22.0 | R -489.4 | 0.0 | R 858.6 |
| 1982 | 0.0 | 11.7 | 14.1 | 0.0 | 0.0 | 14.1 | 0.0 | NA | NA | 25.8 | R -449.0 | 0.0 | R 778.8 |
| 1983 | 0.0 | 11.7 | 11.7 | 0.0 | 0.0 | 11.7 | 0.0 | NA | 0.0 | 23.4 | R -486.1 | 0.0 | R 736.7 |
| 1984 | 0.0 | 11.9 | 13.7 | 0.0 | 0.0 | 13.7 | 0.0 | 0.0 | 0.0 | 25.6 | R -536.9 | 0.0 | R 780.4 |
| 1985 | 0.0 | 11.1 | 14.0 | 0.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 | 25.0 | R -550.8 | 0.0 | R 727.0 |
| 1986 | 0.0 | 11.0 | 20.4 | 0.0 | 0.0 | 20.4 | 0.0 | 0.0 | 0.0 | 31.4 | R -544.3 | 0.0 | R 742.9 |
| 1987 | 0.0 | 10.5 | 18.0 | 0.0 | 0.0 | 18.0 | 0.0 | 0.0 | 0.0 | 28.5 | R -535.9 | 0.0 | R 755.1 |
| 1988 | 0.0 | 10.2 | 18.8 | 0.0 | 0.0 | 18.8 | 0.0 | 0.0 | 0.0 | 29.0 | R -550.6 | 0.0 | R 801.1 |
| 1989 | 0.0 | 13.6 | 11.9 | 0.0 | 0.0 | 11.9 | 0.0 | (s) | 0.0 | 25.6 | R -558.6 | 0.0 | R 822.6 |
| 1990 | 0.0 | 13.5 | 5.0 | 0.0 | 0.0 | 5.0 | 0.0 | (s) | 0.0 | 18.5 | R -494.1 | 0.0 | R 822.3 |
| 1991 | 0.0 | 11.1 | 5.2 | 0.0 | 0.0 | 5.2 | 0.0 | (s) | 0.0 | 16.4 | R -435.1 | 0.0 | R 759.1 |
| 1992 | 0.0 | 13.1 | 5.3 | 0.4 | 0.0 | 5.7 | 0.0 | (s) | 0.0 | 18.9 | R -455.2 | 0.0 | R 773.4 |
| 1993 | 0.0 | 11.5 | 6.9 | 0.2 | 0.0 | 7.2 | 0.0 | (s) | 0.0 | 18.7 | R -447.9 | 0.0 | R 796.6 |
| 1994 | 0.0 | 11.8 | 6.8 | 0.2 | 0.0 | 7.0 | 0.0 | (s) | 0.0 | 18.9 | R -512.2 | 0.0 | R 823.7 |
| 1995 | 0.0 | 12.3 | 7.1 | 0.1 | 0.0 | 7.2 | 0.0 | (s) | 0.0 | 19.6 | R -492.9 | 0.0 | R 824.1 |
| 1996 | 0.0 | 14.7 | 7.3 | (s) | 0.0 | 7.3 | 0.0 | (s) | 0.0 | 22.1 | R -546.4 | 0.0 | R 746.9 |
| 1997 | 0.0 | 11.6 | 5.9 | (s) | 0.0 | 5.9 | 0.0 | (s) | 0.0 | 17.6 | R -586.9 | 0.0 | R 746.0 |
| 1998 | 0.0 | 11.1 | 5.1 | (s) | 0.0 | 5.1 | 0.0 | (s) | 0.0 | 16.2 | R -592.9 | 0.0 | R 775.0 |
| 1999 | 0.0 | 9.5 | 5.3 | (s) | 0.0 | 5.3 | (s) | (s) | 0.0 | 14.9 | R -610.7 | 0.0 | R 756.9 |
| 2000 | 0.0 | 11.7 | 5.7 | (s) | 0.0 | 5.7 | (s) | (s) | 0.0 | 17.5 | R -593.4 | 0.0 | R 774.3 |
| 2001 | 0.0 | 9.8 | 4.8 | 0.4 | 0.0 | 5.3 | (s) | (s) | 0.0 | 15.2 | R -496.5 | 0.0 | R 799.7 |
| 2002 | 0.0 | 10.8 | 4.2 | 1.1 | 0.0 | R 5.2 | (s) | (s) | 0.1 | R 16.2 | R -614.1 | 0.0 | R 826.5 |
| 2003 | 0.0 | 13.9 | 4.3 | 1.4 | 0.0 | R 5.7 | (s) | (s) | 1.7 | R 21.4 | R -610.7 | 0.0 | R 783.5 |
| 2004 | 0.0 | 13.2 | 4.4 | 1.5 | 0.0 | 5.9 | (s) | (s) | 1.6 | 20.8 | R -561.2 | 0.0 | R 814.0 |
| 2005 | 0.0 | 14.5 | R 12.3 | 0.4 | 0.0 | R 12.6 | (s) | (s) | 1.5 | R 28.7 | R -586.3 | 0.0 | R 811.5 |
| 2006 | 0.0 | 15.6 | R 11.1 | 0.6 | 0.0 | R 11.7 | (s) | 0.1 | 1.7 | R 29.0 | R -572.4 | 0.0 | R 795.6 |
| 2007 | 0.0 | 12.4 | R 12.1 | 0.8 | 0.0 | R 12.9 | (s) | 0.1 | 1.7 | R 27.0 | R -564.5 | 0.0 | R 823.4 |
| 2008 | 0.0 | 12.3 | R 12.6 | 4.3 | 0.0 | R 16.9 | (s) | 0.1 | 3.9 | R 33.1 | R -540.5 | 0.0 | R 806.3 |
| 2009 | 0.0 | 16.1 | 12.2 | 5.8 | 0.0 | 17.9 | (s) | 0.1 | 7.2 | 41.3 | -395.1 | 0.0 | 715.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 8,179 | 149 | 2,472 | 169 | 558 | 11,609 | 1,448 | 6,574 | 22,830 | 540 | – – | – – | – – | – – | 8,763 | – – | – – | – – |
| 1965 | 11,023 | 164 | 2,837 | 130 | 961 | 12,762 | 2,092 | 13,871 | 32,653 | 493 | – – | – – | – – | – – | 11,970 | – – | – – | – – |
| 1970 | 10,487 | 181 | 3,914 | 290 | 1,230 | 15,831 | 1,635 | 16,469 | 39,369 | 558 | – – | – – | – – | – – | 15,122 | – – | – – | – – |
| 1975 | 8,664 | 158 | 5,915 | 242 | 1,498 | 19,314 | 1,796 | 18,556 | 47,321 | 595 | – – | – – | – – | – – | 16,939 | – – | – – | – – |
| 1980 | 6,440 | 143 | 9,862 | 353 | 3,435 | 19,390 | 1,463 | 22,344 | 56,847 | 690 | – – | – – | – – | – – | 20,831 | – – | – – | – – |
| 1985 | 3,632 | 117 | 10,045 | 235 | 1,157 | 18,513 | 970 | 15,651 | 46,570 | 690 | – – | – – | – – | – – | 20,847 | – – | – – | – – |
| 1990 | 5,023 | 120 | 10,230 | 273 | 1,612 | 19,643 | 1,268 | 20,782 | 53,807 | 610 | – – | – – | – – | – – | 23,132 | – – | – – | – – |
| 1995 | 3,833 | 148 | 10,949 | 174 | 1,944 | 20,891 | 197 | 15,248 | 49,402 | 556 | – – | – – | – – | – – | 25,977 | – – | – – | – – |
| 2000 | 3,268 | 147 | 12,090 | 189 | 1,578 | 19,424 | 293 | 5,376 | 38,949 | 453 | – – | – – | – – | – – | 27,693 | – – | – – | – – |
| 2001 | 2,928 | 138 | 12,133 | 191 | 1,386 | 19,717 | 228 | 14,339 | 47,993 | 439 | – – | – – | – – | – – | 27,669 | – – | – – | – – |
| 2002 | 2,952 | 145 | 14,608 | 249 | 992 | 19,288 | 113 | 14,560 | 49,810 | 467 | – – | – – | – – | – – | 28,463 | – – | – – | – – |
| 2003 | 2,755 | 125 | 11,921 | 262 | 1,192 | 19,592 | 50 | 14,278 | 47,296 | 726 | – – | – – | – – | – – | 28,297 | – – | – – | – – |
| 2004 | 2,790 | 121 | 13,301 | 252 | 1,638 | 20,341 | 344 | 16,633 | 52,509 | 711 | – – | – – | – – | – – | 28,919 | – – | – – | – – |
| 2005 | 2,431 | 115 | 14,057 | 238 | 1,048 | 20,203 | 440 | 15,521 | 51,508 | 556 | – – | – – | – – | – – | 30,152 | – – | – – | – – |
| 2006 | 2,225 | 109 | 14,716 | 231 | 1,491 | 20,326 | 336 | 8,903 | 46,004 | 524 | – – | – – | – – | – – | 32,312 | – – | – – | – – |
| 2007 | 2,652 | 112 | 14,420 | 236 | 1,176 | 20,217 | 999 | 8,628 | 45,676 | 449 | – – | – – | – – | – – | 34,184 | – – | – – | – – |
| 2008 | 2,493 | 110 | 14,246 | 227 | 1,307 | 18,569 | 621 | 8,622 | 43,593 | 427 | – – | – – | – – | – – | 34,221 | – – | – – | – – |
| 2009 | 1,848 | 104 | 13,309 | 198 | 1,165 | 20,098 | 85 | 4,793 | 39,648 | 619 | – – | – – | – – | – – | 30,271 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 213.9 | 154.6 | 14.4 | 0.9 | 2.2 | 61.0 | 9.1 | 39.0 | 126.6 | 5.8 | 13.4 | NA | NA | NA | 29.9 | 544.2 | 73.9 | 618.1 |
| 1965 | 286.9 | 175.1 | 16.5 | 0.7 | 3.9 | 67.0 | 13.2 | 79.3 | 180.6 | 5.1 | 11.9 | NA | NA | NA | 40.8 | 700.5 | 97.5 | 798.0 |
| 1970 | 265.2 | 185.8 | 22.8 | 1.6 | 4.6 | 83.2 | 10.3 | 92.5 | 215.0 | 5.9 | 10.7 | NA | NA | NA | 51.6 | 734.2 | 124.8 | 859.0 |
| 1975 | 218.2 | 164.1 | 34.5 | 1.3 | 5.6 | 101.5 | 11.3 | 105.3 | 259.4 | 6.2 | 11.7 | NA | NA | NA | 57.8 | 717.5 | 138.6 | 856.1 |
| 1980 | 166.1 | 147.6 | 57.4 | 2.0 | 12.6 | 101.9 | 9.2 | 124.4 | 307.5 | 7.2 | 11.9 | NA | NA | NA | 71.1 | 711.3 | 170.7 | 882.1 |
| 1985 | 93.0 | 124.9 | 58.5 | 1.3 | 4.2 | 97.2 | 6.1 | 86.5 | 253.8 | 7.2 | 14.0 | 0.0 | NA | NA | 71.1 | 564.1 | 162.9 | 727.0 |
| 1990 | 128.7 | 128.9 | 59.6 | 1.5 | 5.8 | 103.2 | 8.0 | 115.2 | 293.3 | 6.3 | 5.0 | 0.0 | 0.0 | (s) | 78.9 | 641.2 | 181.1 | 822.3 |
| 1995 | 99.0 | 157.1 | 63.8 | 1.0 | 7.0 | 108.9 | 1.2 | 84.4 | 266.4 | 5.7 | 7.1 | 0.0 | 0.0 | (s) | 88.6 | 624.0 | 200.1 | 824.1 |
| 2000 | 86.6 | 157.4 | 70.4 | 1.1 | 5.7 | 101.2 | 1.8 | 31.7 | 211.9 | 4.6 | 5.5 | 0.0 | (s) | (s) | 94.5 | 560.6 | 213.7 | 774.3 |
| 2001 | 77.1 | 147.9 | 70.7 | 1.1 | 5.0 | 102.7 | 1.4 | 80.9 | 261.8 | 4.5 | 4.7 | 0.0 | (s) | (s) | 94.4 | 590.5 | 209.2 | 799.7 |
| 2002 | 77.8 | 153.6 | 85.1 | 1.4 | 3.6 | 100.5 | 0.7 | 82.6 | 273.8 | 4.7 | 4.1 | 0.0 | (s) | (s) | 97.1 | 611.3 | 215.2 | 826.5 |
| 2003 | 72.3 | 133.2 | 69.4 | 1.5 | 4.3 | 102.0 | 0.3 | 80.4 | 258.0 | 7.4 | 4.3 | 0.0 | (s) | (s) | 96.5 | 571.7 | 211.8 | 783.5 |
| 2004 | 72.1 | 127.9 | 77.5 | 1.4 | 5.9 | 106.1 | 2.2 | 93.8 | 286.9 | 7.1 | 4.3 | 0.0 | (s) | (s) | 98.7 | 597.0 | 217.0 | 814.0 |
| 2005 | 61.6 | 122.6 | 81.9 | 1.4 | 3.8 | 105.4 | 2.8 | 87.6 | 282.8 | 5.6 | 12.3 | 0.0 | (s) | (s) | 102.9 | 587.8 | 223.7 | 811.5 |
| 2006 | 56.6 | 122.5 | 85.7 | 1.3 | 5.4 | 106.1 | 2.1 | 52.4 | 253.0 | 5.2 | 11.1 | 0.0 | (s) | 0.1 | 110.2 | 558.6 | 237.0 | 795.6 |
| 2007 | 67.5 | 120.4 | 84.0 | 1.3 | 4.2 | 105.5 | 6.3 | 50.8 | 252.1 | 4.4 | 12.1 | 0.0 | (s) | 0.1 | 116.6 | 573.3 | 250.2 | 823.4 |
| 2008 | 63.8 | 117.8 | 83.0 | 1.3 | 4.7 | 96.9 | 3.9 | 51.4 | 241.2 | 4.2 | 12.6 | 0.0 | (s) | 0.1 | 116.8 | 556.4 | 249.9 | 806.3 |
| 2009 | 47.4 | 112.7 | 77.5 | 1.1 | 4.1 | 104.9 | 0.5 | 28.4 | 216.6 | 6.0 | 12.2 | 0.0 | (s) | 0.1 | 103.3 | 498.3 | 217.3 | 715.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 144 | 50 | 204 | 148 | 217 | 568 | 416 | – – | – – | 1,714 | – – | – – | – – |
| 1965 | 138 | 50 | 304 | 184 | 269 | 756 | 320 | – – | – – | 2,365 | – – | – – | – – |
| 1970 | 107 | 58 | 250 | 267 | 254 | 772 | 287 | – – | – – | 3,459 | – – | – – | – – |
| 1975 | 71 | 51 | 581 | 172 | 317 | 1,070 | 298 | – – | – – | 4,979 | – – | – – | – – |
| 1980 | 33 | 48 | 1,169 | 408 | 379 | 1,956 | 375 | – – | – – | 6,606 | – – | – – | – – |
| 1985 | 18 | 37 | 516 | 390 | 215 | 1,122 | 446 | – – | – – | 6,712 | – – | – – | – – |
| 1990 | 36 | 33 | 682 | 210 | 399 | 1,291 | 162 | – – | – – | 7,578 | – – | – – | – – |
| 1995 | 8 | 35 | 496 | 287 | 398 | 1,181 | 232 | – – | – – | 9,166 | – – | – – | – – |
| 1996 | 13 | 37 | 599 | 377 | 459 | 1,435 | 241 | – – | – – | 9,277 | – – | – – | – – |
| 1997 | 12 | 36 | 603 | 399 | 649 | 1,651 | 175 | – – | – – | 9,027 | – – | – – | – – |
| 1998 | 18 | 30 | 547 | 473 | 490 | 1,510 | 156 | – – | – – | 9,053 | – – | – – | – – |
| 1999 | 20 | 31 | 481 | 551 | 682 | 1,714 | 164 | – – | – – | 9,452 | – – | – – | – – |
| 2000 | 24 | 32 | 524 | 340 | 720 | 1,584 | 176 | – – | – – | 9,738 | – – | – – | – – |
| 2001 | 5 | 32 | 520 | 354 | 946 | 1,821 | 114 | – – | – – | 9,828 | – – | – – | – – |
| 2002 | 4 | 31 | 504 | 262 | 604 | 1,369 | 115 | – – | – – | 10,444 | – – | – – | – – |
| 2003 | 6 | 32 | 472 | 219 | 690 | 1,381 | 121 | – – | – – | 10,473 | – – | – – | – – |
| 2004 | 6 | 30 | 430 | 255 | 1,127 | 1,812 | 124 | – – | – – | 10,756 | – – | – – | – – |
| 2005 | 6 | 30 | 382 | 250 | 677 | 1,308 | R 465 | – – | – – | 11,384 | – – | – – | – – |
| 2006 | 2 | 26 | 380 | 188 | 872 | 1,441 | R 423 | – – | – – | 11,014 | – – | – – | – – |
| 2007 | 7 | 27 | 330 | 123 | 743 | 1,196 | R 467 | – – | – – | 11,749 | – – | – – | – – |
| 2008 | 0 | 28 | R 337 | 54 | 847 | R 1,238 | R 489 | – – | – – | 11,763 | – – | – – | – – |
| 2009 | 0 | 26 | 240 | 68 | 812 | 1,120 | 467 | – – | – – | 11,588 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 3.6 | 51.4 | 1.2 | 0.8 | 0.9 | 2.9 | 8.3 | NA | NA | 5.8 | 72.1 | 14.5 | 86.6 |
| 1965 | 3.4 | 53.2 | 1.8 | 1.0 | 1.1 | 3.9 | 6.4 | NA | NA | 8.1 | 74.9 | 19.3 | 94.2 |
| 1970 | 2.6 | 59.7 | 1.5 | 1.5 | 1.0 | 3.9 | 5.7 | NA | NA | 11.8 | 83.7 | 28.6 | 112.3 |
| 1975 | 1.7 | 53.2 | 3.4 | 1.0 | 1.2 | 5.5 | 6.0 | NA | NA | 17.0 | 83.4 | R 40.7 | R 124.2 |
| 1980 | 0.8 | 49.8 | 6.8 | 2.3 | 1.4 | 10.5 | 7.5 | NA | NA | 22.5 | 91.2 | R 54.1 | R 145.3 |
| 1985 | 0.4 | 39.2 | 3.0 | 2.2 | 0.8 | 6.0 | 8.9 | NA | NA | 22.9 | 77.5 | R 52.5 | R 129.9 |
| 1990 | 0.9 | 34.9 | 4.0 | 1.2 | 1.4 | 6.6 | 3.2 | 0.0 | (s) | 25.9 | 71.6 | R 59.3 | R 130.9 |
| 1995 | 0.2 | 37.5 | 2.9 | 1.6 | 1.4 | 6.0 | 4.6 | 0.0 | (s) | 31.3 | 79.7 | R 70.6 | R 150.3 |
| 1996 | 0.3 | 39.7 | 3.5 | 2.1 | 1.7 | 7.3 | 4.8 | 0.0 | (s) | 31.7 | 83.8 | R 71.5 | R 155.3 |
| 1997 | 0.3 | 38.4 | 3.5 | 2.3 | 2.3 | 8.1 | 3.5 | 0.0 | (s) | 30.8 | 81.2 | R 69.3 | R 150.5 |
| 1998 | 0.5 | 31.5 | 3.2 | 2.7 | 1.8 | 7.6 | 3.1 | 0.0 | (s) | 30.9 | 73.7 | R 69.6 | R 143.3 |
| 1999 | 0.5 | 33.1 | 2.8 | 3.1 | 2.5 | 8.4 | 3.3 | (s) | (s) | 32.3 | 77.6 | R 73.3 | R 150.9 |
| 2000 | 0.6 | 33.8 | 3.1 | 1.9 | 2.6 | 7.6 | 3.5 | (s) | (s) | 33.2 | 78.7 | R 75.1 | R 153.9 |
| 2001 | 0.1 | 34.1 | 3.0 | 2.0 | 3.4 | 8.5 | 2.3 | (s) | (s) | 33.5 | 78.5 | R 74.3 | R 152.8 |
| 2002 | 0.1 | 32.7 | 2.9 | 1.5 | 2.2 | 6.6 | 2.3 | (s) | (s) | 35.6 | 77.4 | R 79.0 | R 156.4 |
| 2003 | 0.1 | 34.3 | 2.7 | 1.2 | 2.5 | 6.5 | 2.4 | (s) | (s) | 35.7 | 79.2 | R 78.4 | R 157.6 |
| 2004 | 0.1 | 32.1 | 2.5 | 1.4 | 4.1 | 8.0 | 2.5 | (s) | (s) | 36.7 | 79.5 | R 80.7 | R 160.2 |
| 2005 | 0.2 | 31.8 | 2.2 | 1.4 | 2.4 | 6.1 | R 9.3 | (s) | (s) | 38.8 | R 86.3 | R 84.5 | R 170.7 |
| 2006 | 0.1 | 29.2 | 2.2 | 1.1 | 3.1 | 6.4 | R 8.5 | (s) | 0.1 | 37.6 | R 81.8 | R 80.8 | R 162.6 |
| 2007 | 0.2 | 28.5 | 1.9 | 0.7 | 2.7 | 5.3 | R 9.3 | (s) | 0.1 | 40.1 | R 83.4 | R 86.0 | R 169.4 |
| 2008 | 0.0 | 29.6 | R 2.0 | 0.3 | 3.0 | 5.3 | R 9.8 | (s) | 0.1 | 40.1 | R 84.9 | R 85.9 | R 170.8 |
| 2009 | 0.0 | 28.3 | 1.4 | 0.4 | 2.9 | 4.7 | 9.3 | (s) | 0.1 | 39.5 | 82.0 | 83.2 | 165.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 100 | 15 | 75 | 8 | 49 | 65 | 8 | 205 | NA | – – | – – | 1,134 | – – | – – | – – |
| 1965 | 104 | 15 | 111 | 9 | 61 | 66 | 12 | 260 | NA | – – | – – | 1,620 | – – | – – | – – |
| 1970 | 84 | 22 | 92 | 14 | 58 | 56 | 9 | 229 | NA | – – | – – | 2,238 | – – | – – | – – |
| 1975 | 167 | 25 | 213 | 9 | 72 | 59 | 9 | 363 | NA | – – | – – | 2,858 | – – | – – | – – |
| 1980 | 123 | 22 | 262 | 37 | 87 | 110 | 5 | 500 | NA | – – | – – | 3,658 | – – | – – | – – |
| 1985 | 63 | 17 | 674 | 129 | 49 | 307 | 5 | 1,164 | NA | – – | – – | 4,462 | – – | – – | – – |
| 1990 | 143 | 21 | 526 | 46 | 91 | 330 | 65 | 1,058 | 0 | – – | – – | 5,085 | – – | – – | – – |
| 1995 | 57 | 26 | 357 | 37 | 91 | 20 | 0 | 504 | 0 | – – | – – | 5,944 | – – | – – | – – |
| 1996 | 96 | 28 | 264 | 37 | 105 | 20 | 0 | 425 | 0 | – – | – – | 6,030 | – – | – – | – – |
| 1997 | 93 | 26 | 316 | 51 | 148 | 19 | 0 | 534 | 0 | – – | – – | 6,040 | – – | – – | – – |
| 1998 | 144 | 25 | 370 | 57 | 112 | 19 | 0 | 559 | 0 | – – | – – | 6,297 | – – | – – | – – |
| 1999 | 148 | 27 | 318 | 64 | 156 | 19 | 0 | 557 | 0 | – – | – – | 6,565 | – – | – – | – – |
| 2000 | 193 | 26 | 360 | 73 | 164 | 19 | 0 | 616 | 0 | – – | – – | 6,872 | – – | – – | – – |
| 2001 | 43 | 28 | 406 | 63 | 216 | 20 | 0 | 705 | 0 | – – | – – | 6,863 | – – | – – | – – |
| 2002 | 30 | 25 | 325 | 64 | 138 | 20 | 0 | 547 | 0 | – – | – – | 7,117 | – – | – – | – – |
| 2003 | 37 | 27 | 226 | 92 | 235 | 20 | 0 | 573 | 0 | – – | – – | 7,136 | – – | – – | – – |
| 2004 | 50 | 25 | 235 | 81 | 224 | 28 | 0 | 568 | 0 | – – | – – | 7,217 | – – | – – | – – |
| 2005 | 74 | 25 | 230 | 63 | 119 | 28 | 0 | 441 | 0 | – – | – – | 7,452 | – – | – – | – – |
| 2006 | 22 | 23 | 164 | 41 | 183 | 29 | 0 | 417 | 0 | – – | – – | 7,377 | – – | – – | – – |
| 2007 | 59 | 23 | 162 | 25 | 160 | 30 | 0 | 376 | 0 | – – | – – | 7,769 | – – | – – | – – |
| 2008 | 0 | 25 | R 136 | 15 | 209 | 29 | 0 | R 389 | 0 | – – | – – | 7,716 | – – | – – | – – |
| 2009 | 0 | 24 | 281 | 10 | 203 | 27 | 0 | 521 | 0 | – – | – – | 7,694 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 2.5 | 16.0 | 0.4 | (s) | 0.2 | 0.3 | (s) | 1.1 | NA | 0.2 | NA | 3.9 | 23.6 | 9.6 | 33.2 |
| 1965 | 2.6 | 15.6 | 0.6 | 0.1 | 0.2 | 0.3 | 0.1 | 1.4 | NA | 0.1 | NA | 5.5 | 25.2 | 13.2 | 38.4 |
| 1970 | 2.0 | 22.3 | 0.5 | 0.1 | 0.2 | 0.3 | 0.1 | 1.2 | NA | 0.1 | NA | 7.6 | 33.3 | 18.5 | 51.7 |
| 1975 | 4.0 | 25.7 | 1.2 | 0.1 | 0.3 | 0.3 | 0.1 | 1.9 | NA | 0.1 | NA | 9.8 | 41.5 | 23.4 | 64.9 |
| 1980 | 3.0 | 22.7 | 1.5 | 0.2 | 0.3 | 0.6 | (s) | 2.7 | NA | 0.2 | NA | 12.5 | 41.0 | R 30.0 | R 71.0 |
| 1985 | 1.6 | 18.4 | 3.9 | 0.7 | 0.2 | 1.6 | (s) | 6.5 | NA | 0.2 | NA | 15.2 | 41.9 | R 34.9 | R 76.7 |
| 1990 | 3.6 | 22.9 | 3.1 | 0.3 | 0.3 | 1.7 | 0.4 | 5.8 | 0.0 | 0.4 | 0.0 | 17.4 | 50.0 | R 39.8 | R 89.8 |
| 1995 | 1.4 | 27.5 | 2.1 | 0.2 | 0.3 | 0.1 | 0.0 | 2.7 | 0.0 | 0.6 | 0.0 | 20.3 | 52.5 | R 45.8 | R 98.3 |
| 1996 | 2.4 | 29.7 | 1.5 | 0.2 | 0.4 | 0.1 | 0.0 | 2.2 | 0.0 | 0.7 | 0.0 | 20.6 | 55.6 | R 46.5 | R 102.1 |
| 1997 | 2.3 | 27.7 | 1.8 | 0.3 | 0.5 | 0.1 | 0.0 | 2.8 | 0.0 | 0.6 | 0.0 | 20.6 | 53.9 | R 46.4 | R 100.3 |
| 1998 | 3.7 | 26.6 | 2.2 | 0.3 | 0.4 | 0.1 | 0.0 | 3.0 | 0.0 | 0.5 | 0.0 | 21.5 | 55.3 | R 48.4 | R 103.7 |
| 1999 | 3.8 | 28.8 | 1.9 | 0.4 | 0.6 | 0.1 | 0.0 | 2.9 | 0.0 | 0.5 | (s) | 22.4 | 58.4 | R 50.9 | R 109.4 |
| 2000 | 5.0 | 28.0 | 2.1 | 0.4 | 0.6 | 0.1 | 0.0 | 3.2 | 0.0 | 0.6 | (s) | 23.4 | 60.1 | R 53.0 | R 113.2 |
| 2001 | 1.1 | 29.6 | 2.4 | 0.4 | 0.8 | 0.1 | 0.0 | 3.6 | 0.0 | 0.4 | (s) | 23.4 | 58.1 | R 51.9 | R 110.0 |
| 2002 | 0.7 | 26.3 | 1.9 | 0.4 | 0.5 | 0.1 | 0.0 | 2.9 | 0.0 | 0.4 | (s) | 24.3 | 54.6 | R 53.8 | R 108.4 |
| 2003 | 0.9 | 28.4 | 1.3 | 0.5 | 0.9 | 0.1 | 0.0 | 2.8 | 0.0 | 0.4 | (s) | 24.3 | 56.9 | R 53.4 | R 110.4 |
| 2004 | 1.2 | 26.6 | 1.4 | 0.5 | 0.8 | 0.1 | 0.0 | 2.8 | 0.0 | 0.4 | (s) | 24.6 | 55.7 | R 54.2 | R 109.9 |
| 2005 | 1.8 | 26.8 | 1.3 | 0.4 | 0.4 | 0.1 | 0.0 | 2.3 | 0.0 | R 1.5 | (s) | 25.4 | R 57.8 | R 55.3 | R 113.1 |
| 2006 | 0.6 | 26.3 | 1.0 | 0.2 | 0.7 | 0.2 | 0.0 | 2.0 | 0.0 | R 1.4 | (s) | 25.2 | R 55.4 | R 54.1 | R 109.5 |
| 2007 | 1.5 | 24.3 | 0.9 | 0.1 | 0.6 | 0.2 | 0.0 | 1.8 | 0.0 | R 1.5 | (s) | 26.5 | R 55.6 | R 56.9 | R 112.4 |
| 2008 | 0.0 | 27.2 | 0.8 | 0.1 | 0.8 | 0.2 | 0.0 | 1.8 | 0.0 | R 1.6 | (s) | 26.3 | R 56.8 | R 56.3 | R 113.2 |
| 2009 | 0.0 | 25.7 | 1.6 | 0.1 | 0.7 | 0.1 | 0.0 | 2.6 | 0.0 | 1.5 | (s) | 26.3 | 56.1 | 55.2 | 111.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 7,802 | 76 | 452 | 290 | 204 | 1,437 | 6,101 | 8,485 | 540 | – – | – – | – – | 5,915 | – – | – – | – – |
| 1965 | 10,747 | 81 | 890 | 627 | 155 | 2,080 | 13,280 | 17,033 | 493 | – – | – – | – – | 7,984 | – – | – – | – – |
| 1970 | 10,279 | 93 | 1,087 | 907 | 114 | 1,621 | 15,925 | 19,655 | 558 | – – | – – | – – | 9,426 | – – | – – | – – |
| 1975 | 8,424 | 68 | 1,533 | 1,095 | 78 | 1,787 | 18,078 | 22,571 | 595 | – – | – – | – – | 9,102 | – – | – – | – – |
| 1980 | 6,284 | 59 | 3,585 | 2,955 | 81 | 1,458 | 21,584 | 29,663 | 690 | – – | – – | – – | 10,567 | – – | – – | – – |
| 1985 | 3,551 | 45 | 2,119 | 871 | 229 | 964 | 14,865 | 19,048 | 690 | – – | – – | – – | 9,673 | – – | – – | – – |
| 1990 | 4,845 | 58 | 3,173 | 1,103 | 249 | 1,203 | 20,234 | 25,961 | 610 | – – | – – | – – | 10,469 | – – | – – | – – |
| 1995 | 3,768 | 60 | 3,315 | 1,443 | 194 | 197 | 14,652 | 19,801 | 556 | – – | – – | – – | 10,867 | – – | – – | – – |
| 1996 | 3,256 | 57 | 3,142 | 1,625 | 189 | 348 | 4,415 | 9,719 | 661 | – – | – – | – – | 10,820 | – – | – – | – – |
| 1997 | 2,569 | 65 | 2,842 | 2,077 | 199 | 231 | 4,367 | 9,716 | 509 | – – | – – | – – | 11,180 | – – | – – | – – |
| 1998 | 3,654 | 57 | 3,048 | 1,555 | 226 | 72 | 5,440 | 10,341 | 521 | – – | – – | – – | 11,161 | – – | – – | – – |
| 1999 | 3,156 | 51 | 3,040 | 237 | 187 | 93 | 5,185 | 8,742 | 433 | – – | – – | – – | 11,126 | – – | – – | – – |
| 2000 | 3,051 | 57 | 2,937 | 692 | 200 | 293 | 4,681 | 8,803 | 453 | – – | – – | – – | 11,083 | – – | – – | – – |
| 2001 | 2,880 | 48 | 3,168 | 223 | 316 | 228 | 13,648 | 17,583 | 439 | – – | – – | – – | 10,978 | – – | – – | – – |
| 2002 | 2,918 | 55 | 6,142 | 248 | 322 | 113 | 13,970 | 20,795 | 467 | – – | – – | – – | 10,902 | – – | – – | – – |
| 2003 | 2,712 | 48 | 3,273 | 252 | 349 | 50 | 13,725 | 17,648 | 726 | – – | – – | – – | 10,687 | – – | – – | – – |
| 2004 | 2,735 | 46 | 3,606 | 274 | 413 | 344 | 16,046 | 20,683 | 711 | – – | – – | – – | 10,942 | – – | – – | – – |
| 2005 | 2,351 | 40 | 4,267 | 239 | 393 | 440 | 14,898 | 20,237 | 556 | – – | – – | – – | 11,312 | – – | – – | – – |
| 2006 | 2,200 | 41 | 5,201 | 418 | 424 | 336 | R 8,423 | R 14,803 | 524 | – – | – – | – – | 13,916 | – – | – – | – – |
| 2007 | 2,586 | 42 | 5,298 | 261 | 349 | 999 | R 8,222 | R 15,129 | 449 | – – | – – | – – | 14,661 | – – | – – | – – |
| 2008 | 2,493 | 38 | R 6,001 | R 228 | 283 | 621 | R 8,326 | R 15,461 | 427 | – – | – – | – – | 14,738 | – – | – – | – – |
| 2009 | 1,848 | 36 | 5,896 | 136 | 279 | 85 | 4,499 | 10,895 | 619 | – – | – – | – – | 10,985 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 204.4 | 78.4 | 2.6 | 1.2 | 1.1 | 9.0 | 36.3 | 50.2 | 5.8 | 4.9 | NA | NA | 20.2 | 363.8 | 49.9 | 413.7 |
| 1965 | 280.0 | 87.1 | 5.2 | 2.5 | 0.8 | 13.1 | 76.0 | 97.6 | 5.1 | 5.4 | NA | NA | 27.2 | 502.5 | R 65.0 | 567.5 |
| 1970 | 260.2 | 95.7 | 6.3 | 3.4 | 0.6 | 10.2 | 89.4 | 109.9 | 5.9 | 4.9 | NA | NA | 32.2 | 508.8 | 77.8 | 586.6 |
| 1975 | 212.5 | 70.5 | 8.9 | 4.1 | 0.4 | 11.2 | 102.5 | 127.2 | 6.2 | 5.7 | NA | NA | 31.1 | 453.2 | R 74.5 | R 527.7 |
| 1980 | 162.4 | 61.4 | 20.9 | 10.9 | 0.4 | 9.2 | 120.1 | 161.4 | 7.2 | 4.2 | NA | NA | 36.1 | 432.5 | R 86.6 | R 519.2 |
| 1985 | 91.0 | 48.4 | 12.3 | 3.1 | 1.2 | 6.1 | 82.0 | 104.7 | 7.2 | 4.9 | 0.0 | NA | 33.0 | 289.1 | R 75.6 | R 364.7 |
| 1990 | 124.3 | 61.7 | 18.5 | 4.0 | 1.3 | 7.6 | 112.0 | 143.4 | 6.3 | 1.4 | 0.0 | 0.0 | 35.7 | 372.8 | R 82.0 | R 454.8 |
| 1995 | 97.4 | 64.0 | 19.3 | 5.2 | 1.0 | 1.2 | 81.0 | 107.8 | 5.7 | 1.8 | 0.0 | 0.0 | 37.1 | 313.7 | R 83.7 | R 397.4 |
| 1996 | 84.2 | 60.0 | 18.3 | 5.9 | 1.0 | 2.2 | 26.2 | 53.5 | 6.8 | 1.8 | 0.0 | 0.0 | 36.9 | 243.3 | R 83.4 | R 326.7 |
| 1997 | 65.7 | 69.0 | 16.6 | 7.5 | 1.0 | 1.5 | 26.0 | 52.5 | 5.2 | 1.8 | 0.0 | 0.0 | 38.1 | 232.4 | R 85.9 | R 318.3 |
| 1998 | 95.2 | 60.3 | 17.8 | 5.6 | 1.2 | 0.5 | 32.5 | 57.5 | 5.3 | 1.5 | 0.0 | 0.0 | 38.1 | 257.8 | R 85.8 | R 343.7 |
| 1999 | 82.3 | 53.6 | 17.7 | 0.9 | 1.0 | 0.6 | 30.7 | 50.8 | 4.4 | 1.5 | 0.0 | 0.0 | 38.0 | 230.6 | R 86.3 | R 316.9 |
| 2000 | 81.1 | 60.7 | 17.1 | 2.5 | 1.0 | 1.8 | 27.6 | 50.1 | 4.6 | 1.4 | 0.0 | 0.0 | 37.8 | 235.7 | R 85.5 | R 321.3 |
| 2001 | 75.9 | 51.6 | 18.5 | 0.8 | 1.6 | 1.4 | 76.9 | 99.3 | 4.5 | 2.0 | 0.0 | 0.0 | 37.5 | 270.8 | R 83.0 | R 353.8 |
| 2002 | 77.0 | 58.5 | 35.8 | 0.9 | 1.7 | 0.7 | 79.2 | 118.2 | 4.7 | 1.4 | 0.0 | 0.0 | 37.2 | 297.1 | R 82.4 | R 379.5 |
| 2003 | 71.2 | 50.7 | 19.1 | 0.9 | 1.8 | 0.3 | 77.2 | 99.3 | 7.4 | 1.4 | 0.0 | 0.0 | 36.5 | 266.6 | R 80.0 | R 346.6 |
| 2004 | 70.7 | 49.0 | 21.0 | 1.0 | 2.2 | 2.2 | 90.4 | 116.7 | 7.1 | 1.4 | 0.0 | 0.0 | 37.3 | 282.3 | R 82.1 | R 364.4 |
| 2005 | 59.6 | 43.0 | 24.9 | 0.9 | 2.0 | 2.8 | 84.0 | 114.6 | 5.6 | 1.5 | 0.0 | 0.0 | 38.6 | 262.8 | R 83.9 | R 346.7 |
| 2006 | 55.9 | 45.8 | 30.3 | 1.5 | 2.2 | 2.1 | R 49.6 | R 85.7 | 5.2 | R 1.3 | 0.0 | 0.0 | 47.5 | R 241.4 | R 102.1 | R 343.5 |
| 2007 | 65.8 | 45.2 | 30.9 | 0.9 | 1.8 | 6.3 | R 48.4 | R 88.3 | 4.4 | R 1.3 | 0.0 | 0.0 | 50.0 | R 255.1 | R 107.3 | R 362.4 |
| 2008 | 63.8 | 41.4 | R 35.0 | 0.8 | 1.5 | 3.9 | R 49.7 | R 90.8 | 4.2 | R 1.3 | 0.0 | 0.0 | 50.3 | R 251.7 | R 107.6 | R 359.4 |
| 2009 | 47.4 | 39.5 | 34.3 | 0.5 | 1.5 | 0.5 | 26.6 | 63.5 | 6.0 | 1.3 | 0.0 | 0.0 | 37.5 | 195.2 | 78.9 | 274.0 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 134 | 8 | 119 | 1,742 | 169 | 2 | 199 | 11,340 | 3 | 13,573 | 0 | – – | – – | – – |
| 1965 | 35 | 18 | 201 | 1,530 | 130 | 4 | 198 | 12,541 | 0 | 14,603 | 0 | – – | – – | – – |
| 1970 | 16 | 8 | 78 | 2,485 | 290 | 10 | 185 | 15,660 | 5 | 18,713 | 0 | – – | – – | – – |
| 1975 | 1 | 14 | 58 | 3,589 | 242 | 14 | 239 | 19,176 | 0 | 23,318 | 0 | – – | – – | – – |
| 1980 | 0 | 13 | 65 | 4,846 | 353 | 14 | 250 | 19,199 | 0 | 24,728 | 0 | – – | – – | – – |
| 1985 | 0 | 18 | 39 | 6,736 | 235 | 22 | 228 | 17,977 | (s) | 25,236 | 0 | – – | – – | – – |
| 1990 | 0 | 9 | 36 | 5,850 | 273 | 19 | 256 | 19,063 | 0 | 25,497 | 0 | – – | – – | – – |
| 1995 | 0 | 26 | 27 | 6,781 | 174 | 12 | 244 | 20,678 | 0 | 27,916 | 0 | – – | – – | – – |
| 1996 | 0 | 33 | 32 | 4,840 | 170 | 10 | 237 | 18,691 | 4 | 23,984 | 0 | – – | – – | – – |
| 1997 | 0 | 32 | 22 | 6,472 | 172 | (s) | 250 | 19,533 | 0 | 26,451 | 0 | – – | – – | – – |
| 1998 | 0 | 31 | 30 | 8,089 | 175 | (s) | 262 | 19,479 | 0 | 28,035 | 0 | – – | – – | – – |
| 1999 | 0 | 30 | 22 | 7,694 | 184 | 1 | 265 | 19,284 | 0 | 27,451 | 0 | – – | – – | – – |
| 2000 | 0 | 33 | 20 | 8,269 | 189 | 2 | 261 | 19,205 | 0 | 27,945 | 0 | – – | – – | – – |
| 2001 | 0 | 30 | 35 | 8,039 | 191 | (s) | 239 | 19,381 | 0 | 27,884 | 0 | – – | – – | – – |
| 2002 | 0 | 34 | 27 | 7,637 | 249 | 2 | 236 | 18,946 | 0 | 27,098 | 0 | – – | – – | – – |
| 2003 | 0 | 18 | 24 | 7,951 | 262 | 15 | 218 | 19,224 | 0 | 27,694 | 0 | – – | – – | – – |
| 2004 | 0 | 19 | 29 | 9,030 | 252 | 13 | 221 | 19,900 | 0 | 29,446 | 4 | – – | – – | – – |
| 2005 | 0 | 20 | 89 | 9,178 | 238 | 13 | 220 | 19,783 | 0 | 29,522 | 4 | – – | – – | – – |
| 2006 | 0 | 19 | 37 | 8,970 | 231 | 18 | 214 | 19,873 | 0 | 29,343 | 4 | – – | – – | – – |
| 2007 | 0 | 21 | 36 | 8,631 | 236 | 11 | 221 | 19,839 | 0 | 28,974 | 4 | – – | – – | – – |
| 2008 | 0 | 18 | 21 | R 7,772 | 227 | R 23 | 206 | 18,257 | 0 | R 26,505 | 4 | – – | – – | – – |
| 2009 | 0 | 18 | 30 | 6,892 | 198 | 15 | 185 | 19,792 | 0 | 27,112 | 4 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 3.4 | 8.7 | 0.6 | 10.1 | 0.9 | (s) | 1.2 | 59.6 | (s) | 72.5 | 0.0 | 84.6 | 0.0 | 84.6 |
| 1965 | 0.9 | 19.3 | 1.0 | 8.9 | 0.7 | (s) | 1.2 | 65.9 | 0.0 | 77.7 | 0.0 | 97.9 | 0.0 | 97.9 |
| 1970 | 0.4 | 8.1 | 0.4 | 14.5 | 1.6 | (s) | 1.1 | 82.3 | (s) | 99.9 | 0.0 | 108.5 | 0.0 | 108.5 |
| 1975 | (s) | 14.6 | 0.3 | 20.9 | 1.3 | 0.1 | 1.5 | 100.7 | 0.0 | 124.8 | 0.0 | 139.4 | 0.0 | 139.4 |
| 1980 | 0.0 | 13.6 | 0.3 | 28.2 | 2.0 | 0.1 | 1.5 | 100.9 | 0.0 | 133.0 | 0.0 | 146.6 | 0.0 | 146.6 |
| 1985 | 0.0 | 19.0 | 0.2 | 39.2 | 1.3 | 0.1 | 1.4 | 94.4 | (s) | 136.6 | 0.0 | 155.6 | 0.0 | 155.6 |
| 1990 | 0.0 | 9.3 | 0.2 | 34.1 | 1.5 | 0.1 | 1.6 | 100.1 | 0.0 | 137.5 | 0.0 | 146.9 | 0.0 | 146.9 |
| 1995 | 0.0 | 28.1 | 0.1 | 39.5 | 1.0 | (s) | 1.5 | 107.8 | 0.0 | 150.0 | 0.0 | 178.1 | 0.0 | 178.1 |
| 1996 | 0.0 | 34.5 | 0.2 | 28.2 | 1.0 | (s) | 1.4 | 97.5 | (s) | 128.3 | 0.0 | 162.9 | 0.0 | 162.9 |
| 1997 | 0.0 | 34.6 | 0.1 | 37.7 | 1.0 | (s) | 1.5 | 101.8 | 0.0 | 142.1 | 0.0 | 176.8 | 0.0 | 176.8 |
| 1998 | 0.0 | 33.0 | 0.2 | 47.1 | 1.0 | (s) | 1.6 | 101.5 | 0.0 | 151.4 | 0.0 | 184.3 | 0.0 | 184.3 |
| 1999 | 0.0 | 31.7 | 0.1 | 44.8 | 1.0 | (s) | 1.6 | 100.5 | 0.0 | 148.1 | 0.0 | 179.7 | 0.0 | 179.7 |
| 2000 | 0.0 | 35.0 | 0.1 | 48.2 | 1.1 | (s) | 1.6 | 100.1 | 0.0 | 151.0 | 0.0 | 186.0 | 0.0 | 186.0 |
| 2001 | 0.0 | 32.5 | 0.2 | 46.8 | 1.1 | (s) | 1.5 | 101.0 | 0.0 | 150.5 | 0.0 | 183.0 | 0.0 | 183.0 |
| 2002 | 0.0 | 36.1 | 0.1 | 44.5 | 1.4 | (s) | 1.4 | 98.7 | 0.0 | 146.1 | 0.0 | 182.2 | 0.0 | 182.2 |
| 2003 | 0.0 | 19.7 | 0.1 | 46.3 | 1.5 | 0.1 | 1.3 | 100.1 | 0.0 | 149.4 | 0.0 | 169.1 | 0.0 | 169.1 |
| 2004 | 0.0 | 20.1 | 0.1 | 52.6 | 1.4 | (s) | 1.3 | 103.8 | 0.0 | 159.3 | (s) | 179.5 | (s) | 179.5 |
| 2005 | 0.0 | 21.0 | 0.5 | 53.5 | 1.4 | (s) | 1.3 | 103.2 | 0.0 | 159.9 | (s) | 180.9 | (s) | 180.9 |
| 2006 | 0.0 | 21.2 | 0.2 | 52.3 | 1.3 | 0.1 | 1.3 | 103.7 | 0.0 | 158.8 | (s) | 180.0 | (s) | 180.0 |
| 2007 | 0.0 | 22.4 | 0.2 | 50.3 | 1.3 | (s) | 1.3 | 103.5 | 0.0 | 156.7 | (s) | 179.1 | (s) | 179.2 |
| 2008 | 0.0 | 19.7 | 0.1 | R 45.3 | 1.3 | 0.1 | 1.2 | 95.3 | 0.0 | R 143.3 | (s) | R 162.9 | (s) | R 163.0 |
| 2009 | 0.0 | 19.2 | 0.2 | 40.1 | 1.1 | 0.1 | 1.1 | 103.3 | 0.0 | 145.9 | (s) | 165.1 | (s) | 165.1 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, West Virginia

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 5,879 | 1 | 33 | (s) | 0 | 33 | 0 | 398 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 8,025 | 1 | 61 | (s) | 0 | 62 | 0 | 336 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 14,889 | 1 | 430 | 3 | 0 | 433 | 0 | 437 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 25,805 | (s) | 708 | 14 | 0 | 722 | 0 | 467 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 28,499 | (s) | 0 | 683 | 0 | 683 | 0 | 424 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 31,367 | (s) | 0 | 369 | 0 | 369 | 0 | 368 | – – | 0 | 0 | 0 | 0 | – – |
| 1990 | 29,873 | (s) | 0 | 368 | 0 | 368 | 0 | 685 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 31,549 | 1 | 0 | 338 | 0 | 338 | 0 | 637 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 33,739 | (s) | 0 | 353 | 0 | 353 | 0 | 764 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 35,424 | 1 | 0 | 292 | 0 | 292 | 0 | 630 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 36,060 | 1 | 0 | 324 | 0 | 324 | 0 | 565 | – – | 0 | 0 | 0 | 0 | – – |
| 1999 | 37,027 | (s) | 0 | 321 | 0 | 321 | 0 | 497 | – – | 0 | 0 | 0 | 0 | – – |
| 2000 | 36,625 | 1 | 0 | 448 | 0 | 448 | 0 | 698 | – – | 0 | 0 | 0 | 0 | – – |
| 2001 | 32,694 | 3 | 0 | 422 | 0 | 422 | 0 | 513 | – – | 0 | 0 | 0 | 0 | – – |
| 2002 | 37,828 | 2 | 0 | 451 | 0 | 451 | 0 | 599 | – – | 0 | 0 | 9 | 0 | – – |
| 2003 | 37,468 | 2 | 0 | 424 | 0 | 424 | 0 | 630 | – – | 0 | 0 | 170 | 0 | – – |
| 2004 | 35,956 | 1 | 0 | 460 | 0 | 460 | 0 | 608 | – – | 0 | 0 | 161 | 0 | – – |
| 2005 | 37,875 | 2 | 0 | 349 | 0 | 349 | 0 | 892 | – – | 0 | 0 | 154 | 0 | – – |
| 2006 | 37,863 | 4 | 0 | 237 | 0 | 237 | 0 | 1,048 | – – | 0 | 0 | 174 | 0 | – – |
| 2007 | 38,056 | 4 | 0 | 324 | 0 | 324 | 0 | 806 | – – | 0 | 0 | 168 | 0 | – – |
| 2008 | 37,706 | 2 | 0 | 237 | 0 | 237 | 0 | 821 | – – | 0 | 0 | 392 | 0 | – – |
| 2009 | 29,255 | 1 | 0 | 304 | 0 | 304 | 0 | 1,027 | – – | 0 | 0 | 742 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 140.6 | 1.0 | 0.2 | (s) | 0.0 | 0.2 | 0.0 | 4.3 | 0.0 | 0.0 | NA | NA | 0.0 | 146.0 |
| 1965 | 190.5 | 1.0 | 0.4 | (s) | 0.0 | 0.4 | 0.0 | 3.5 | 0.0 | 0.0 | NA | NA | 0.0 | 195.4 |
| 1970 | 347.2 | 0.7 | 2.7 | (s) | 0.0 | 2.7 | 0.0 | 4.6 | (s) | 0.0 | NA | NA | 0.0 | 355.2 |
| 1975 | 599.2 | 0.2 | 4.4 | 0.1 | 0.0 | 4.5 | 0.0 | 4.9 | 0.0 | 0.0 | NA | NA | 0.0 | 608.8 |
| 1980 | 691.7 | 0.1 | 0.0 | 4.0 | 0.0 | 4.0 | 0.0 | 4.4 | 0.0 | 0.0 | NA | NA | 0.0 | 700.1 |
| 1985 | 778.7 | 0.1 | 0.0 | 2.1 | 0.0 | 2.1 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 784.9 |
| 1990 | 744.8 | 0.1 | 0.0 | 2.1 | 0.0 | 2.1 | 0.0 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 754.2 |
| 1995 | 772.4 | 0.7 | 0.0 | 2.0 | 0.0 | 2.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 781.7 |
| 1996 | 826.7 | 0.3 | 0.0 | 2.1 | 0.0 | 2.1 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 837.0 |
| 1997 | 869.4 | 0.6 | 0.0 | 1.7 | 0.0 | 1.7 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 878.1 |
| 1998 | 879.0 | 0.5 | 0.0 | 1.9 | 0.0 | 1.9 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 887.2 |
| 1999 | 906.4 | 0.5 | 0.0 | 1.9 | 0.0 | 1.9 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 913.8 |
| 2000 | 891.2 | 0.5 | 0.0 | 2.6 | 0.0 | 2.6 | 0.0 | 7.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 901.6 |
| 2001 | 789.5 | 2.7 | 0.0 | 2.5 | 0.0 | 2.5 | 0.0 | 5.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 800.1 |
| 2002 | 915.7 | 2.0 | 0.0 | 2.6 | 0.0 | 2.6 | 0.0 | 6.1 | (s) | 0.0 | 0.0 | 0.1 | 0.0 | 926.5 |
| 2003 | 906.1 | 2.2 | 0.0 | 2.5 | 0.0 | 2.5 | 0.0 | 6.5 | (s) | 0.0 | 0.0 | 1.7 | 0.0 | 919.0 |
| 2004 | 865.0 | 1.5 | 0.0 | 2.7 | 0.0 | 2.7 | 0.0 | 6.1 | (s) | 0.0 | 0.0 | 1.6 | 0.0 | 876.9 |
| 2005 | 898.0 | 2.4 | 0.0 | 2.0 | 0.0 | 2.0 | 0.0 | 8.9 | (s) | 0.0 | 0.0 | 1.5 | 0.0 | 912.9 |
| 2006 | 902.3 | 3.8 | 0.0 | 1.4 | 0.0 | 1.4 | 0.0 | 10.4 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 919.7 |
| 2007 | 915.8 | 4.0 | 0.0 | 1.9 | 0.0 | 1.9 | 0.0 | 8.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 931.3 |
| 2008 | 891.9 | 2.0 | 0.0 | 1.4 | 0.0 | 1.4 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 907.2 |
| 2009 | 695.5 | 1.2 | 0.0 | 1.8 | 0.0 | 1.8 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | 715.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum | | | | | | | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | | | |
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 12,735 | 91 | 21,750 | 245 | 4,258 | 33,125 | 4,394 | 7,640 | 71,412 | 0 | 2,399 | NA |
| 1965 | 14,528 | 200 | 23,508 | 629 | 5,246 | 36,295 | 3,209 | 6,830 | 75,716 | 0 | 2,131 | NA |
| 1970 | 16,898 | 338 | 25,841 | 1,603 | 7,679 | 45,483 | 2,936 | 10,536 | 94,078 | 157 | 1,904 | NA |
| 1971 | 15,044 | 348 | 26,538 | 1,872 | 7,935 | 46,818 | 2,155 | 9,837 | 95,155 | 3,469 | 2,230 | NA |
| 1972 | 14,709 | 321 | 26,833 | 2,014 | 8,769 | 49,625 | 2,411 | 9,317 | 98,969 | 3,294 | 2,413 | NA |
| 1973 | 13,636 | 368 | 27,430 | 2,283 | 8,735 | 51,239 | 2,520 | 10,019 | 102,227 | 5,952 | 2,444 | NA |
| 1974 | 12,632 | 381 | 26,913 | 2,146 | 8,472 | 50,702 | 1,881 | 8,198 | 98,312 | 8,256 | 2,020 | NA |
| 1975 | 12,733 | 365 | 26,561 | 2,206 | 8,448 | 51,548 | 2,106 | 7,067 | 97,936 | 10,293 | 2,037 | NA |
| 1976 | 13,991 | 315 | 30,155 | 2,243 | 9,470 | 53,642 | 3,211 | 7,422 | 106,142 | 10,722 | 1,652 | NA |
| 1977 | 14,297 | 349 | 30,646 | 2,291 | 10,705 | 54,934 | 3,641 | 6,843 | 109,061 | 10,945 | 1,821 | NA |
| 1978 | 13,980 | 371 | 32,663 | 2,370 | 9,106 | 56,790 | 3,663 | 7,966 | 112,559 | 11,718 | 2,371 | NA |
| 1979 | 15,156 | 368 | 32,137 | 2,591 | 6,888 | 53,781 | 2,478 | 6,878 | 104,753 | 10,403 | 2,294 | NA |
| 1980 | 15,644 | 352 | 22,495 | 2,397 | 6,036 | 49,606 | 1,772 | 6,432 | 88,738 | 9,911 | 2,115 | NA |
| 1981 | 16,186 | 325 | 20,968 | 2,282 | 4,932 | 48,233 | 866 | 5,994 | 83,274 | 9,719 | 2,142 | 0 |
| 1982 | 15,794 | 312 | 20,511 | 2,097 | 5,914 | 46,233 | 2,132 | 5,621 | 82,508 | 10,268 | 2,422 | 6 |
| 1983 | 17,407 | 299 | 20,465 | 1,843 | 5,950 | 46,837 | 793 | 5,523 | 81,412 | 9,299 | 2,556 | 2 |
| 1984 | 17,949 | 305 | 23,301 | 1,605 | 5,540 | 46,648 | 664 | 5,435 | 83,192 | 10,745 | 2,338 | 4 |
| 1985 | 18,034 | 308 | 23,154 | 1,663 | 5,377 | 46,557 | 402 | 5,324 | 82,478 | 10,979 | 2,546 | 28 |
| 1986 | 18,743 | 279 | 22,396 | 1,562 | 5,361 | 47,421 | 1,044 | 5,037 | 82,821 | 11,199 | 2,419 | 33 |
| 1987 | 19,652 | 279 | 22,348 | 1,448 | 5,632 | 47,490 | 1,180 | 5,627 | 83,724 | 11,311 | 1,576 | 25 |
| 1988 | 20,038 | 317 | 24,829 | 1,344 | 6,029 | 49,522 | 1,095 | 6,586 | 89,405 | 11,464 | 1,488 | 49 |
| 1989 | 19,947 | 331 | 25,621 | 1,343 | 6,929 | 49,130 | 1,023 | 7,015 | 91,060 | 10,848 | 1,476 | 138 |
| 1990 | 20,122 | 309 | 24,192 | 1,424 | 6,664 | 48,989 | 1,109 | 7,221 | 89,599 | 11,226 | 2,014 | 196 |
| 1991 | 20,659 | 332 | 22,873 | 1,352 | 8,471 | 49,898 | 846 | 7,548 | 90,989 | 10,991 | 2,517 | 489 |
| 1992 | 20,096 | 332 | 22,310 | 1,721 | 7,780 | 50,285 | 844 | 7,635 | 90,575 | 11,207 | 2,402 | 425 |
| 1993 | 20,922 | 349 | 24,061 | 1,912 | 8,626 | 51,634 | 1,247 | 8,243 | 95,723 | 11,465 | 2,487 | 356 |
| 1994 | 21,813 | 356 | 24,319 | 1,975 | 8,957 | 53,048 | 1,268 | 8,779 | 98,346 | 11,516 | 2,228 | 392 |
| 1995 | 23,151 | 381 | 23,471 | 2,044 | 8,753 | 55,053 | 829 | 9,317 | 99,467 | 10,970 | 2,378 | 861 |
| 1996 | 24,076 | 403 | 24,908 | 1,530 | 11,139 | 56,313 | 1,020 | 19,680 | 114,590 | 10,121 | 2,696 | 1,362 |
| 1997 | 25,487 | 401 | 24,999 | 1,950 | 9,935 | 55,696 | 1,065 | 21,907 | 115,552 | 3,916 | 2,483 | 1,594 |
| 1998 | 24,740 | 368 | 25,199 | 1,866 | 8,461 | 58,740 | 923 | 22,804 | 117,992 | 9,397 | 1,747 | 824 |
| 1999 | 25,276 | 381 | 28,622 | 3,407 | 11,009 | 58,976 | 1,011 | 23,042 | 126,066 | 11,495 | 1,985 | 697 |
| 2000 | 25,928 | 394 | 29,301 | 3,139 | 11,129 | 58,194 | 1,110 | 22,071 | 124,943 | 11,512 | 1,986 | 781 |
| 2001 | 25,921 | 360 | 31,694 | 2,590 | 10,094 | 58,870 | 918 | 12,103 | 116,269 | 11,507 | 2,056 | 1,993 |
| 2002 | 25,174 | 385 | 30,051 | 2,293 | 12,304 | 60,351 | 1,050 | 11,540 | 117,589 | 12,449 | 2,515 | 3,188 |
| 2003 | 26,197 | 395 | 25,586 | 1,336 | 10,658 | 60,902 | 930 | 12,813 | 112,226 | 12,215 | 1,843 | 2,641 |
| 2004 | 26,696 | 383 | 28,240 | 2,641 | 11,556 | 61,130 | 1,154 | 13,552 | 118,272 | 11,888 | 1,981 | 2,512 |
| 2005 | 26,727 | 410 | 27,309 | 2,858 | 11,337 | 61,367 | 1,468 | 13,028 | 117,367 | 9,921 | 1,740 | 4,090 |
| 2006 | 25,488 | 372 | 28,387 | 2,748 | 10,155 | 60,526 | 851 | R 11,693 | R 114,361 | 12,234 | 1,679 | 3,718 |
| 2007 | 25,597 | 398 | 28,085 | 2,227 | 10,363 | 62,275 | 800 | R 11,088 | R 114,839 | 12,910 | 1,516 | 4,615 |
| 2008 | 26,586 | 409 | R 28,376 | 2,638 | 9,565 | 60,212 | 744 | R 10,090 | R 111,625 | 12,155 | 1,616 | 5,653 |
| 2009 | 23,829 | 387 | 23,816 | 2,493 | 8,861 | 60,113 | 133 | 8,577 | 103,993 | 12,683 | 1,394 | 5,808 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 304.6 | 93.8 | 126.7 | 1.3 | 17.1 | 174.0 | 27.6 | 46.2 | 393.0 | 791.4 | *93.8* | *174.0* |
| 1965 | 347.9 | 204.1 | 136.9 | 3.5 | 21.0 | 190.7 | 20.2 | 41.2 | 413.5 | 965.6 | *204.1* | *190.7* |
| 1970 | 381.6 | 344.2 | 150.5 | 9.0 | 29.0 | 238.9 | 18.5 | 64.5 | 510.5 | 1,236.3 | *344.2* | *238.9* |
| 1971 | 337.3 | 354.7 | 154.6 | 10.6 | 29.9 | 245.9 | 13.6 | 60.3 | 514.8 | 1,206.9 | *354.7* | *245.9* |
| 1972 | 333.6 | 326.9 | 156.3 | 11.4 | 33.0 | 260.7 | 15.2 | 57.3 | 533.8 | 1,194.4 | *326.9* | *260.7* |
| 1973 | 310.7 | 373.5 | 159.8 | 12.9 | 32.7 | 269.2 | 15.8 | 62.0 | 552.4 | 1,236.6 | *373.5* | *269.2* |
| 1974 | 278.6 | 386.9 | 156.8 | 12.1 | 31.6 | 266.3 | 11.8 | 50.3 | 528.9 | 1,194.4 | *386.9* | *266.3* |
| 1975 | 272.0 | 372.1 | 154.7 | 12.5 | 31.4 | 270.8 | 13.2 | 43.2 | 525.8 | 1,170.0 | *372.1* | *270.8* |
| 1976 | 304.0 | 320.5 | 175.7 | 12.7 | 35.1 | 281.8 | 20.2 | 45.8 | 571.3 | 1,195.8 | *320.5* | *281.8* |
| 1977 | 307.5 | 354.4 | 178.5 | 13.0 | 39.4 | 288.6 | 22.9 | 42.1 | 584.4 | 1,246.3 | *354.4* | *288.6* |
| 1978 | 296.1 | 375.3 | 190.3 | 13.4 | 33.4 | 298.3 | 23.0 | 49.4 | 607.8 | 1,279.1 | *375.3* | *298.3* |
| 1979 | 321.1 | 372.3 | 187.2 | 14.6 | 25.3 | 282.5 | 15.6 | 42.5 | 567.7 | 1,261.0 | *372.3* | *282.5* |
| 1980 | 327.3 | 354.7 | 131.0 | 13.5 | 22.2 | 260.6 | 11.1 | 39.5 | 478.0 | 1,160.0 | *354.7* | *260.6* |
| 1981 | 327.3 | 327.5 | 122.1 | 12.9 | 18.0 | 253.4 | 5.4 | 35.8 | 447.6 | 1,102.5 | *327.5* | *253.4* |
| 1982 | 324.1 | 315.7 | 119.5 | 11.8 | 21.4 | 242.9 | 13.4 | 34.0 | 442.9 | 1,082.8 | *315.8* | *242.9* |
| 1983 | 352.8 | 301.8 | 119.2 | 10.4 | 21.5 | 246.0 | 5.0 | 33.4 | 435.6 | 1,090.2 | *301.8* | *246.0* |
| 1984 | 363.4 | 307.5 | 135.7 | 9.0 | 19.9 | 245.0 | 4.2 | 32.1 | 446.0 | 1,117.0 | *307.5* | *245.0* |
| 1985 | 360.7 | 311.4 | 134.9 | 9.3 | 19.4 | 244.6 | 2.5 | 31.8 | 442.5 | 1,114.6 | *311.4* | *244.6* |
| 1986 | 371.4 | 281.6 | 130.5 | 8.8 | 19.5 | 249.1 | 6.6 | 30.6 | 445.1 | 1,098.1 | *281.6* | *249.1* |
| 1987 | 386.6 | 281.6 | 130.2 | 8.1 | 20.6 | 249.5 | 7.4 | 34.3 | 450.1 | 1,118.2 | *281.6* | *249.5* |
| 1988 | 394.1 | 319.7 | 144.6 | 7.5 | 22.0 | 260.1 | 6.9 | 40.8 | 482.0 | 1,195.7 | *319.7* | *260.1* |
| 1989 | 389.9 | 332.7 | 149.2 | 7.5 | 25.5 | 258.1 | 6.4 | 43.6 | 490.4 | 1,213.0 | *332.7* | *258.1* |
| 1990 | 394.5 | 311.2 | 140.9 | 8.0 | 24.2 | 257.3 | 7.0 | 44.7 | 482.1 | 1,187.8 | *311.2* | *257.3* |
| 1991 | 405.6 | 333.8 | 133.2 | 7.6 | 30.6 | 262.1 | 5.3 | 46.0 | 484.9 | 1,224.3 | *333.8* | *262.1* |
| 1992 | 395.0 | 334.9 | 130.0 | 9.7 | 28.2 | 264.1 | 5.3 | 46.2 | 483.5 | 1,213.4 | *334.9* | *264.1* |
| 1993 | 403.3 | 352.4 | 140.2 | 10.8 | 31.1 | 270.0 | 7.8 | 49.9 | 509.8 | R 1,265.5 | *352.4* | *271.2* |
| 1994 | 424.9 | 360.4 | 141.7 | 11.1 | 32.6 | R 276.1 | 8.0 | 53.2 | 522.6 | 1,307.9 | *360.4* | *277.4* |
| 1995 | 441.6 | 385.3 | 136.7 | 11.6 | 31.7 | R 284.1 | 5.2 | 56.9 | R 526.2 | 1,353.1 | *385.3* | *287.1* |
| 1996 | 454.6 | 408.1 | 145.1 | 8.7 | 40.2 | R 289.0 | 6.4 | 112.3 | R 601.7 | R 1,464.4 | *408.1* | *293.7* |
| 1997 | 486.6 | 405.0 | 145.6 | 11.1 | 35.9 | R 284.8 | 6.7 | 126.0 | R 610.1 | R 1,501.7 | *405.0* | *290.3* |
| 1998 | 472.0 | 372.1 | 146.8 | 10.6 | 30.6 | R 303.3 | 5.8 | 132.0 | R 629.0 | R 1,473.1 | *372.1* | *306.2* |
| 1999 | 480.7 | 385.1 | 166.7 | 19.3 | 39.8 | R 304.9 | 6.4 | 133.2 | 670.3 | R 1,536.2 | *385.1* | *307.3* |
| 2000 | 499.2 | 397.6 | 170.7 | 17.8 | 40.1 | R 300.5 | 7.0 | 127.2 | R 663.3 | R 1,560.1 | *397.6* | *303.2* |
| 2001 | 494.0 | 363.0 | 184.6 | 14.7 | 36.5 | R 299.8 | 5.8 | 74.3 | R 615.6 | R 1,472.7 | *363.0* | *306.7* |
| 2002 | 492.0 | 388.0 | 175.0 | 13.0 | 44.5 | R 303.2 | 6.6 | 70.5 | R 612.8 | R 1,492.8 | *388.0* | *314.3* |
| 2003 | 488.2 | 397.9 | 149.0 | 7.6 | 38.7 | R 308.0 | 5.8 | 79.1 | R 588.2 | R 1,474.3 | *397.9* | *317.1* |
| 2004 | 499.2 | 386.0 | 164.5 | 15.0 | 41.8 | R 310.1 | 7.3 | 83.4 | R 622.0 | R 1,507.2 | *386.0* | *318.8* |
| 2005 | 522.5 | 415.6 | 159.1 | 16.2 | 41.0 | R 306.0 | 9.2 | 80.2 | R 611.8 | R 1,549.9 | *415.6* | *320.2* |
| 2006 | 462.7 | 376.6 | 165.4 | 15.6 | 36.6 | R 302.9 | 5.4 | R 72.8 | R 598.7 | R 1,438.0 | *376.6* | *315.8* |
| 2007 | 465.1 | 403.9 | 163.6 | 12.6 | 37.2 | R 309.0 | 5.0 | R 68.8 | R 596.3 | R 1,465.3 | *403.9* | *325.0* |
| 2008 | 480.7 | R 415.1 | R 165.3 | 15.0 | 34.4 | R 294.6 | 4.7 | R 62.5 | R 576.4 | R 1,472.3 | R *415.1* | *314.2* |
| 2009 | 425.9 | 392.5 | 138.7 | 14.1 | 31.5 | 293.6 | 0.8 | 53.3 | 532.1 | 1,350.5 | *392.5* | *313.7* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[c] Liquefied petroleum gases.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 25.8 | 39.2 | NA | NA | 39.2 | 0.0 | NA | NA | 65.0 | R -1.3 | 0.0 | 855.1 |
| 1965 | 0.0 | 22.3 | 39.4 | NA | NA | 39.4 | 0.0 | NA | NA | 61.7 | 4.6 | 0.0 | 1,031.8 |
| 1970 | 1.7 | 20.0 | 38.3 | NA | NA | 38.3 | 0.0 | NA | NA | 58.3 | R -6.9 | 0.0 | R 1,289.4 |
| 1971 | 37.6 | 23.4 | 38.4 | NA | NA | 38.4 | 0.0 | NA | NA | 61.8 | R -11.7 | 0.0 | R 1,294.6 |
| 1972 | 35.5 | 25.0 | 40.6 | NA | NA | 40.6 | 0.0 | NA | NA | 65.6 | R -6.3 | 0.0 | R 1,289.2 |
| 1973 | 64.9 | 25.4 | 42.4 | NA | NA | 42.4 | 0.0 | NA | NA | 67.8 | R -13.1 | 0.0 | R 1,356.2 |
| 1974 | 92.1 | 21.1 | 44.5 | NA | NA | 44.5 | 0.0 | NA | NA | 65.6 | R -8.8 | 0.0 | R 1,343.4 |
| 1975 | 113.4 | 21.2 | 44.9 | NA | NA | 44.9 | 0.0 | NA | NA | 66.1 | R -6.0 | 0.0 | R 1,343.4 |
| 1976 | 118.5 | 17.1 | 52.4 | NA | NA | 52.4 | 0.0 | NA | NA | 69.6 | R -9.6 | 0.0 | R 1,374.2 |
| 1977 | 117.9 | 19.0 | 55.5 | NA | NA | 55.5 | 0.0 | NA | NA | 74.5 | R 0.9 | 0.0 | R 1,439.6 |
| 1978 | 128.2 | 24.6 | 66.2 | NA | NA | 66.2 | 0.0 | NA | NA | 90.8 | R 5.4 | 0.0 | R 1,503.5 |
| 1979 | 113.2 | 23.7 | 69.1 | NA | NA | 69.1 | 0.0 | NA | NA | 92.9 | R 4.8 | 0.0 | R 1,471.9 |
| 1980 | 108.1 | 22.0 | 165.3 | NA | NA | 165.3 | 0.0 | NA | NA | 187.3 | R 11.7 | 0.0 | R 1,467.0 |
| 1981 | 107.2 | 22.4 | 174.3 | 0.0 | 0.0 | 174.3 | 0.0 | NA | NA | 196.6 | R 22.7 | 0.0 | R 1,429.0 |
| 1982 | 113.7 | 25.3 | 170.1 | (s) | 0.0 | 170.1 | 0.0 | NA | NA | 195.5 | R 18.1 | 0.0 | R 1,410.0 |
| 1983 | 101.4 | 26.9 | 190.8 | (s) | 0.0 | 190.8 | 0.0 | NA | 0.0 | 217.7 | R 15.1 | 0.0 | R 1,424.3 |
| 1984 | 116.5 | 24.4 | 191.1 | (s) | 0.0 | 191.1 | 0.0 | 0.0 | (s) | 215.5 | R 43.7 | 0.0 | R 1,492.7 |
| 1985 | 116.6 | 26.6 | 191.2 | 0.1 | 0.0 | 191.3 | 0.0 | 0.0 | (s) | 217.9 | R 57.1 | 0.0 | R 1,506.2 |
| 1986 | 118.5 | 25.3 | 136.5 | 0.1 | 0.0 | 136.6 | 0.0 | 0.0 | (s) | 161.8 | R 50.3 | 0.0 | R 1,428.7 |
| 1987 | 118.1 | 16.4 | 136.4 | 0.1 | 0.0 | 136.5 | 0.0 | 0.0 | (s) | 152.9 | R 17.9 | 0.0 | R 1,407.2 |
| 1988 | 121.5 | 15.4 | 141.8 | 0.2 | 0.0 | 142.0 | 0.0 | 0.0 | (s) | 157.3 | R 38.7 | 0.0 | R 1,513.3 |
| 1989 | 114.8 | 15.4 | 108.0 | 0.5 | 0.0 | 108.5 | 0.1 | 0.2 | (s) | R 124.1 | R 67.7 | 0.0 | R 1,519.6 |
| 1990 | 118.8 | 21.0 | 81.3 | 0.7 | 0.0 | 82.0 | 0.1 | 0.2 | (s) | R 103.2 | R 61.7 | 0.0 | R 1,471.5 |
| 1991 | 115.2 | 26.3 | 81.7 | 1.7 | 0.0 | 83.4 | 0.1 | 0.2 | (s) | 110.0 | R 64.9 | 0.0 | R 1,514.4 |
| 1992 | 117.4 | 24.8 | 83.8 | 1.5 | 0.0 | 85.3 | 0.1 | 0.2 | 0.0 | 110.4 | R 69.5 | 0.0 | R 1,510.7 |
| 1993 | 120.4 | 25.6 | 78.7 | 1.2 | 0.0 | 79.9 | 0.1 | 0.2 | 0.0 | R 105.8 | R 80.5 | 0.0 | R 1,572.2 |
| 1994 | 120.4 | 23.0 | 83.5 | 1.4 | 0.0 | R 84.8 | 0.1 | 0.2 | 0.0 | R 108.1 | R 84.6 | 0.0 | R 1,621.0 |
| 1995 | 115.3 | 24.5 | 86.1 | 3.0 | 0.3 | 89.4 | 0.1 | 0.2 | 0.0 | R 114.2 | R 99.1 | 0.0 | R 1,681.7 |
| 1996 | 106.3 | 27.9 | 95.1 | 4.7 | 0.3 | R 100.0 | 0.1 | 0.2 | 0.0 | R 128.3 | R 95.2 | 0.6 | R 1,794.6 |
| 1997 | 41.1 | 25.4 | 96.9 | 5.5 | 0.2 | R 102.7 | 0.1 | 0.2 | 0.0 | R 128.4 | R 135.3 | 3.0 | R 1,809.4 |
| 1998 | 98.6 | 17.8 | 89.4 | 2.9 | 0.2 | R 92.5 | 0.1 | 0.2 | 0.0 | R 110.7 | R 110.2 | 2.8 | R 1,795.3 |
| 1999 | 120.1 | 20.3 | 93.1 | 2.4 | 0.2 | R 95.8 | 0.1 | 0.2 | 0.0 | R 116.4 | R 103.5 | 1.4 | R 1,877.7 |
| 2000 | 120.1 | 20.3 | 92.3 | 2.7 | 0.2 | R 95.2 | 0.1 | 0.2 | (s) | R 115.8 | R 102.9 | 0.0 | R 1,898.9 |
| 2001 | 120.2 | 21.2 | 99.0 | 6.9 | 0.2 | R 106.1 | 0.1 | 0.2 | 0.7 | R 128.4 | R 95.2 | 0.0 | R 1,816.5 |
| 2002 | 130.0 | 25.6 | 72.2 | 11.1 | 1.3 | R 84.5 | 0.2 | 0.2 | 0.5 | R 110.9 | R 105.4 | 0.0 | R 1,839.1 |
| 2003 | 127.3 | 18.9 | 84.5 | 9.2 | 4.6 | R 98.3 | 0.2 | 0.2 | 1.0 | R 118.5 | R 110.8 | (s) | R 1,831.0 |
| 2004 | 124.0 | 19.9 | 72.4 | 8.7 | 6.4 | R 87.4 | 0.2 | 0.2 | 1.0 | R 108.7 | R 108.8 | 0.0 | R 1,848.6 |
| 2005 | 103.5 | 17.4 | R 102.0 | 14.2 | 10.1 | R 126.3 | 0.3 | 0.2 | 0.9 | R 145.0 | R 93.9 | (s) | R 1,892.3 |
| 2006 | 127.7 | 16.7 | R 97.7 | 12.9 | 12.3 | R 122.8 | 0.3 | 0.2 | 1.0 | R 140.9 | R 123.2 | (s) | R 1,829.8 |
| 2007 | 135.4 | 15.0 | R 93.0 | 16.0 | 16.4 | R 125.4 | 0.4 | 0.2 | 1.1 | R 142.0 | R 118.0 | (s) | R 1,860.7 |
| 2008 | 127.1 | 15.9 | R 92.7 | 19.6 | 25.5 | R 137.8 | 0.4 | 0.3 | 4.8 | R 159.2 | R 107.9 | (s) | R 1,866.5 |
| 2009 | 132.7 | 13.6 | 90.5 | 20.1 | 26.0 | 136.7 | 0.5 | 0.3 | 10.3 | 161.4 | 100.0 | 0.0 | 1,744.6 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 7,540 | 89 | 21,745 | 245 | 4,258 | 33,125 | 4,349 | 7,640 | 71,362 | 338 | – – | – – | – – | – – | 12,586 | – – | – – | – – |
| 1965 | 7,831 | 186 | 23,503 | 629 | 5,246 | 36,295 | 3,156 | 6,830 | 75,658 | 306 | – – | – – | – – | – – | 17,276 | – – | – – | – – |
| 1970 | 6,449 | 307 | 25,716 | 1,603 | 7,679 | 45,483 | 1,804 | 10,296 | 92,581 | 306 | – – | – – | – – | – – | 24,575 | – – | – – | – – |
| 1975 | 3,017 | 345 | 26,020 | 2,169 | 8,448 | 51,548 | 1,558 | 7,030 | 96,773 | 318 | – – | – – | – – | – – | 30,947 | – – | – – | – – |
| 1980 | 2,415 | 338 | 21,995 | 2,397 | 6,036 | 49,606 | 1,704 | 6,424 | 88,162 | 258 | – – | – – | – – | – – | 36,906 | – – | – – | – – |
| 1985 | 2,158 | 307 | 22,904 | 1,663 | 5,377 | 46,557 | 402 | 5,301 | 82,203 | 258 | – – | – – | – – | – – | 45,590 | – – | – – | – – |
| 1990 | 1,965 | 307 | 24,079 | 1,424 | 6,664 | 48,989 | 1,109 | 7,221 | 89,485 | 213 | – – | – – | – – | – – | 49,198 | – – | – – | – – |
| 1995 | 2,078 | 371 | 23,278 | 2,044 | 8,753 | 55,053 | 829 | 9,173 | 99,130 | 270 | – – | – – | – – | – – | 57,967 | – – | – – | – – |
| 2000 | 1,855 | 372 | 29,017 | 3,139 | 11,129 | 58,194 | 1,108 | 21,879 | 124,465 | 231 | – – | – – | – – | – – | 65,146 | – – | – – | – – |
| 2001 | 1,840 | 337 | 31,494 | 2,590 | 10,094 | 58,870 | 916 | 11,904 | 115,868 | 156 | – – | – – | – – | – – | 65,218 | – – | – – | – – |
| 2002 | 1,843 | 365 | 29,916 | 2,293 | 12,304 | 60,351 | 1,050 | 11,310 | 117,223 | 218 | – – | – – | – – | – – | 66,999 | – – | – – | – – |
| 2003 | 1,878 | 371 | 25,369 | 1,336 | 10,658 | 60,902 | 930 | 12,529 | 111,724 | 190 | – – | – – | – – | – – | 67,241 | – – | – – | – – |
| 2004 | 1,919 | 362 | 27,967 | 2,641 | 11,556 | 61,130 | 1,154 | 12,696 | 117,143 | 197 | – – | – – | – – | – – | 67,976 | – – | – – | – – |
| 2005 | 2,112 | 352 | 27,023 | 2,858 | 11,337 | 61,367 | 1,468 | 12,184 | 116,237 | 210 | – – | – – | – – | – – | 70,336 | – – | – – | – – |
| 2006 | 1,787 | 328 | 28,141 | 2,748 | 10,155 | 60,526 | 851 | 10,420 | 112,842 | 204 | – – | – – | – – | – – | 69,821 | – – | – – | – – |
| 2007 | 1,818 | 344 | 27,786 | 2,227 | 10,363 | 62,275 | 800 | 9,727 | 113,179 | 180 | – – | – – | – – | – – | 71,301 | – – | – – | – – |
| 2008 | 1,862 | 368 | 28,212 | 2,638 | 9,565 | 60,212 | 744 | 8,791 | 110,162 | 163 | – – | – – | – – | – – | 70,122 | – – | – – | – – |
| 2009 | 1,629 | 346 | 23,722 | 2,493 | 8,861 | 60,113 | 133 | 7,604 | 102,927 | 113 | – – | – – | – – | – – | 66,286 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 178.9 | 91.7 | 126.7 | 1.3 | 17.1 | 174.0 | 27.3 | 46.2 | 392.6 | 3.6 | 39.2 | NA | NA | NA | 42.9 | 748.9 | 106.2 | 855.1 |
| 1965 | 187.0 | 189.4 | 136.9 | 3.5 | 21.0 | 190.7 | 19.8 | 41.2 | 413.2 | 3.2 | 39.4 | NA | NA | NA | 58.9 | 891.1 | 140.7 | 1,031.8 |
| 1970 | 147.0 | 313.1 | 149.8 | 9.0 | 29.0 | 238.9 | 11.3 | 63.1 | 501.2 | 3.2 | 38.3 | NA | NA | NA | 83.8 | 1,086.6 | 202.8 | 1,289.4 |
| 1975 | 65.7 | 351.8 | 151.6 | 12.3 | 31.4 | 270.8 | 9.8 | 43.0 | 518.8 | 3.3 | 44.9 | NA | NA | NA | 105.6 | 1,090.1 | 253.3 | 1,343.4 |
| 1980 | 55.8 | 340.8 | 128.1 | 13.5 | 22.2 | 260.6 | 10.7 | 39.5 | 474.6 | 2.7 | 164.7 | NA | NA | NA | 125.9 | 1,164.5 | 302.5 | 1,467.0 |
| 1985 | 50.4 | 310.1 | 133.4 | 9.3 | 19.4 | 244.6 | 2.5 | 31.6 | 440.8 | 2.7 | 190.2 | 0.0 | NA | NA | 155.6 | 1,149.9 | 356.3 | 1,506.2 |
| 1990 | 47.4 | 308.5 | 140.3 | 8.0 | 24.2 | 257.3 | 7.0 | 44.7 | 481.4 | 2.2 | 77.9 | 0.0 | 0.1 | 0.2 | 167.9 | 1,086.3 | 385.2 | 1,471.5 |
| 1995 | 50.4 | 375.3 | 135.6 | 11.6 | 31.7 | 287.1 | 5.2 | 56.0 | 527.2 | 2.8 | 81.2 | 0.3 | 0.1 | 0.2 | 197.8 | 1,235.3 | 446.5 | 1,681.7 |
| 2000 | 44.6 | 376.1 | 169.0 | 17.8 | 40.1 | 303.2 | 7.0 | 126.0 | 663.2 | 2.4 | 87.1 | 0.2 | 0.1 | 0.2 | 222.3 | 1,396.1 | 502.7 | 1,898.9 |
| 2001 | 43.5 | 340.3 | 183.5 | 14.7 | 36.5 | 306.7 | 5.8 | 73.1 | 620.2 | 1.6 | 94.8 | 0.2 | 0.1 | 0.2 | 222.5 | 1,323.5 | 493.0 | 1,816.5 |
| 2002 | 43.3 | 368.0 | 174.3 | 13.0 | 44.5 | 314.3 | 6.6 | 69.1 | 621.7 | 2.2 | 67.1 | 1.3 | 0.2 | 0.2 | 228.6 | 1,332.5 | 506.6 | 1,839.1 |
| 2003 | 43.8 | 374.1 | 147.8 | 7.6 | 38.7 | 317.1 | 5.8 | 77.4 | 594.4 | 1.9 | 79.0 | 4.6 | 0.2 | 0.2 | 229.4 | 1,327.7 | 503.3 | 1,831.0 |
| 2004 | 44.6 | 364.8 | 162.9 | 15.0 | 41.8 | 318.8 | 7.3 | 78.2 | 623.9 | 2.0 | 64.5 | 6.4 | 0.2 | 0.2 | 231.9 | 1,338.5 | 510.1 | 1,848.6 |
| 2005 | 47.1 | 356.4 | 157.4 | 16.2 | 41.0 | 320.2 | 9.2 | 75.1 | 619.2 | 2.1 | 95.2 | 10.1 | 0.3 | 0.2 | 240.0 | 1,370.5 | 521.9 | 1,892.3 |
| 2006 | 40.6 | 332.1 | 163.9 | 15.6 | 36.6 | 315.8 | 5.4 | 65.2 | 602.5 | 2.0 | 89.5 | 12.3 | 0.3 | 0.2 | 238.2 | 1,317.7 | 512.1 | 1,829.8 |
| 2007 | 41.5 | 348.9 | 161.9 | 12.6 | 37.2 | 325.0 | 5.0 | 60.7 | 602.4 | 1.8 | 84.2 | 16.4 | 0.4 | 0.2 | 243.3 | 1,338.9 | 521.8 | 1,860.7 |
| 2008 | 43.2 | 373.4 | 164.3 | 15.0 | 34.4 | 314.2 | 4.7 | 54.7 | 587.3 | 1.6 | 83.5 | 25.5 | 0.4 | 0.3 | 239.3 | 1,354.4 | 512.1 | 1,866.5 |
| 2009 | 37.1 | 350.9 | 138.2 | 14.1 | 31.5 | 313.7 | 0.8 | 47.4 | 545.8 | 1.1 | 80.7 | 26.0 | 0.5 | 0.3 | 226.2 | 1,268.7 | 475.9 | 1,744.6 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 1,622 | 47 | 11,206 | 1,227 | 2,801 | 15,233 | 974 | – – | – – | 5,298 | – – | – – | – – |
| 1965 | 1,153 | 79 | 11,790 | 660 | 3,866 | 16,315 | 744 | – – | – – | 6,963 | – – | – – | – – |
| 1970 | 724 | 105 | 11,721 | 1,608 | 5,870 | 19,198 | 595 | – – | – – | 9,825 | – – | – – | – – |
| 1975 | 173 | 120 | 11,019 | 530 | 5,659 | 17,208 | 587 | – – | – – | 11,782 | – – | – – | – – |
| 1980 | 11 | 123 | 8,155 | 124 | 3,123 | 11,402 | 1,103 | – – | – – | 13,597 | – – | – – | – – |
| 1985 | 6 | 116 | 6,669 | 195 | 3,188 | 10,052 | 1,161 | – – | – – | 16,307 | – – | – – | – – |
| 1990 | 1 | 114 | 5,385 | 29 | 4,385 | 9,798 | 734 | – – | – – | 16,385 | – – | – – | – – |
| 1995 | 17 | 136 | 3,659 | 34 | 5,821 | 9,515 | 400 | – – | – – | 18,635 | – – | – – | – – |
| 1996 | 13 | 148 | 3,869 | 41 | 7,814 | 11,724 | 415 | – – | – – | 18,685 | – – | – – | – – |
| 1997 | 18 | 136 | 3,239 | 44 | 6,906 | 10,189 | 275 | – – | – – | 18,510 | – – | – – | – – |
| 1998 | 14 | 116 | 2,801 | 39 | 6,205 | 9,046 | 245 | – – | – – | 19,087 | – – | – – | – – |
| 1999 | 19 | 128 | 3,240 | 61 | 7,324 | 10,625 | 257 | – – | – – | 19,502 | – – | – – | – – |
| 2000 | 18 | 135 | 3,027 | 44 | 6,899 | 9,970 | 277 | – – | – – | 19,929 | – – | – – | – – |
| 2001 | 21 | 125 | 3,341 | 40 | 6,528 | 9,909 | 370 | – – | – – | 20,418 | – – | – – | – – |
| 2002 | 15 | 137 | 2,855 | 30 | 7,798 | 10,682 | 376 | – – | – – | 21,575 | – – | – – | – – |
| 2003 | 20 | 142 | 2,940 | 27 | 6,937 | 9,904 | 395 | – – | – – | 21,364 | – – | – – | – – |
| 2004 | 15 | 135 | 2,919 | 40 | 6,837 | 9,796 | 405 | – – | – – | 21,192 | – – | – – | – – |
| 2005 | 33 | 131 | 2,640 | 28 | 6,953 | 9,621 | R 1,250 | – – | – – | 22,458 | – – | – – | – – |
| 2006 | 3 | 121 | 2,365 | 27 | 5,994 | 8,386 | R 1,138 | – – | – – | 21,779 | – – | – – | – – |
| 2007 | 6 | 131 | 1,980 | 14 | 6,315 | 8,308 | R 1,254 | – – | – – | 22,374 | – – | – – | – – |
| 2008 | 18 | 141 | R 2,025 | 9 | 7,162 | R 9,196 | R 1,313 | – – | – – | 21,976 | – – | – – | – – |
| 2009 | 11 | 133 | 1,275 | 27 | 6,498 | 7,800 | 1,254 | – – | – – | 21,421 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 35.6 | 49.1 | 65.3 | 7.0 | 11.2 | 83.5 | 19.5 | NA | NA | 18.1 | 205.6 | 44.7 | 250.3 |
| 1965 | 25.1 | 80.9 | 68.7 | 3.7 | 15.5 | 87.9 | 14.9 | NA | NA | 23.8 | 232.6 | 56.7 | 289.3 |
| 1970 | 15.3 | 107.2 | 68.3 | 9.1 | 22.2 | 99.6 | 11.9 | NA | NA | 33.5 | 267.5 | 81.1 | 348.6 |
| 1975 | 3.3 | 122.4 | 64.2 | 3.0 | 21.0 | 88.2 | 11.7 | NA | NA | 40.2 | 265.9 | R 96.4 | R 362.3 |
| 1980 | 0.3 | 124.2 | 47.5 | 0.7 | 11.5 | 59.7 | 22.1 | NA | NA | 46.4 | 252.6 | R 111.5 | R 364.1 |
| 1985 | 0.1 | 117.4 | 38.8 | 1.1 | 11.5 | 51.4 | 23.2 | NA | NA | 55.6 | 247.8 | R 127.4 | R 375.2 |
| 1990 | (s) | 114.7 | 31.4 | 0.2 | 15.9 | 47.4 | 14.7 | 0.1 | 0.2 | 55.9 | 233.0 | R 128.3 | R 361.3 |
| 1995 | 0.4 | 137.5 | 21.3 | 0.2 | 21.1 | 42.6 | 8.0 | 0.1 | 0.2 | 63.6 | 252.4 | R 143.5 | R 396.0 |
| 1996 | 0.3 | 149.8 | 22.5 | 0.2 | 28.2 | 51.0 | 8.3 | 0.1 | 0.2 | 63.8 | 273.5 | R 144.1 | R 417.6 |
| 1997 | 0.4 | 137.3 | 18.9 | 0.3 | 25.0 | 44.1 | 5.5 | 0.1 | 0.2 | 63.2 | 250.8 | R 142.2 | R 393.0 |
| 1998 | 0.4 | 117.2 | 16.3 | 0.2 | 22.4 | 39.0 | 4.9 | 0.1 | 0.2 | 65.1 | 226.9 | R 146.8 | R 373.7 |
| 1999 | 0.5 | 129.1 | 18.9 | 0.3 | 26.5 | 45.7 | 5.1 | 0.1 | 0.2 | 66.5 | R 247.3 | R 151.3 | R 398.6 |
| 2000 | 0.5 | 136.4 | 17.6 | 0.3 | 24.9 | 42.8 | 5.5 | 0.1 | 0.2 | 68.0 | 253.6 | R 153.8 | R 407.4 |
| 2001 | 0.5 | 126.3 | 19.5 | 0.2 | 23.6 | 43.3 | 7.4 | 0.1 | 0.2 | 69.7 | 247.5 | R 154.4 | R 401.9 |
| 2002 | 0.4 | 138.4 | 16.6 | 0.2 | 28.2 | 45.0 | 7.5 | 0.2 | 0.2 | 73.6 | 265.3 | R 163.1 | R 428.4 |
| 2003 | 0.5 | 143.4 | 17.1 | 0.2 | 25.2 | 42.5 | 7.9 | 0.2 | 0.2 | 72.9 | 267.5 | R 159.9 | R 427.5 |
| 2004 | 0.4 | 136.2 | 17.0 | 0.2 | 24.7 | 42.0 | 8.1 | 0.2 | 0.2 | 72.3 | 259.3 | R 159.0 | R 418.4 |
| 2005 | 0.6 | 133.0 | 15.4 | 0.2 | 25.2 | 40.7 | R 25.0 | 0.3 | 0.2 | 76.6 | R 276.4 | R 166.6 | R 443.0 |
| 2006 | 0.1 | 121.9 | 13.8 | 0.2 | 21.6 | 35.5 | R 22.8 | 0.3 | 0.2 | 74.3 | R 255.0 | R 159.8 | R 414.8 |
| 2007 | 0.1 | 132.9 | 11.5 | 0.1 | 22.7 | 34.3 | R 25.1 | 0.4 | 0.2 | 76.3 | R 269.3 | R 163.7 | R 433.1 |
| 2008 | 0.5 | 142.5 | R 11.8 | (s) | 25.8 | R 37.6 | R 26.3 | 0.4 | 0.3 | 75.0 | R 282.6 | R 160.5 | R 443.1 |
| 2009 | 0.3 | 135.0 | 7.4 | 0.2 | 23.1 | 30.7 | 25.1 | 0.5 | 0.3 | 73.1 | 265.0 | 153.8 | 418.8 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 1,127 | 11 | 1,817 | 101 | 346 | 295 | 556 | 3,113 | NA | – – | – – | 3,059 | – – | – – | – – |
| 1965 | 870 | 24 | 1,911 | 54 | 478 | 309 | 407 | 3,158 | NA | – – | – – | 4,160 | – – | – – | – – |
| 1970 | 569 | 55 | 1,900 | 132 | 725 | 56 | 244 | 3,058 | NA | – – | – – | 6,180 | – – | – – | – – |
| 1975 | 404 | 67 | 1,786 | 43 | 699 | 52 | 168 | 2,750 | NA | – – | – – | 8,342 | – – | – – | – – |
| 1980 | 40 | 77 | 1,682 | 57 | 386 | 76 | 30 | 2,231 | NA | – – | – – | 10,019 | – – | – – | – – |
| 1985 | 20 | 73 | 3,294 | 18 | 394 | 283 | 106 | 4,095 | NA | – – | – – | 12,087 | – – | – – | – – |
| 1990 | 4 | 66 | 2,128 | 9 | 542 | 320 | 217 | 3,215 | 11 | – – | – – | 13,408 | – – | – – | – – |
| 1995 | 113 | 85 | 982 | 10 | 720 | 51 | 108 | 1,871 | 4 | – – | – – | 15,642 | – – | – – | – – |
| 1996 | 92 | 94 | 978 | 12 | 966 | 80 | 131 | 2,166 | 10 | – – | – – | 16,188 | – – | – – | – – |
| 1997 | 144 | 89 | 1,257 | 7 | 854 | 51 | 132 | 2,301 | 8 | – – | – – | 16,480 | – – | – – | – – |
| 1998 | 114 | 81 | 1,386 | 10 | 767 | 52 | 234 | 2,448 | 9 | – – | – – | 16,934 | – – | – – | – – |
| 1999 | 138 | 82 | 1,447 | 7 | 905 | 85 | 167 | 2,612 | 5 | – – | – – | 18,381 | – – | – – | – – |
| 2000 | 144 | 81 | 1,344 | 10 | 853 | 79 | 180 | 2,465 | 4 | – – | – – | 19,055 | – – | – – | – – |
| 2001 | 169 | 76 | 1,433 | 21 | 807 | 79 | 199 | 2,539 | 4 | – – | – – | 19,430 | – – | – – | – – |
| 2002 | 112 | 86 | 1,210 | 13 | 964 | 80 | 367 | 2,634 | 0 | – – | – – | 19,890 | – – | – – | – – |
| 2003 | 135 | 87 | 1,416 | 27 | 1,157 | 83 | 393 | 3,076 | 5 | – – | – – | 20,056 | – – | – – | – – |
| 2004 | 137 | 82 | 1,323 | 32 | 1,022 | 86 | 250 | 2,712 | 2 | – – | – – | 19,349 | – – | – – | – – |
| 2005 | 384 | 86 | 1,238 | 30 | 663 | 86 | 296 | 2,313 | 7 | – – | – – | 22,501 | – – | – – | – – |
| 2006 | 26 | 86 | 895 | 25 | 607 | 56 | 81 | 1,664 | (s) | – – | – – | 22,756 | – – | – – | – – |
| 2007 | 50 | 89 | 1,010 | 9 | 655 | 56 | 25 | 1,755 | 1 | – – | – – | 23,491 | – – | – – | – – |
| 2008 | 161 | 97 | R 1,279 | 6 | 949 | 56 | 1 | R 2,291 | (s) | – – | – – | 23,473 | – – | – – | – – |
| 2009 | 99 | 91 | 1,025 | 5 | 738 | 55 | (s) | 1,824 | (s) | – – | – – | 22,476 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 24.7 | 11.3 | 10.6 | 0.6 | 1.4 | 1.5 | 3.5 | 17.6 | NA | 0.4 | NA | 10.4 | 64.4 | 25.8 | 90.2 |
| 1965 | 19.0 | 24.0 | 11.1 | 0.3 | 1.9 | 1.6 | 2.6 | 17.5 | NA | 0.3 | NA | 14.2 | 74.9 | 33.9 | 108.8 |
| 1970 | 12.0 | 55.6 | 11.1 | 0.7 | 2.7 | 0.3 | 1.5 | 16.4 | NA | 0.2 | NA | 21.1 | 105.3 | 51.0 | 156.3 |
| 1975 | 7.7 | 68.9 | 10.4 | 0.2 | 2.6 | 0.3 | 1.1 | 14.6 | NA | 0.2 | NA | 28.5 | 119.8 | R 68.3 | R 188.1 |
| 1980 | 1.0 | 77.7 | 9.8 | 0.3 | 1.4 | 0.4 | 0.2 | 12.1 | NA | 0.5 | NA | 34.2 | 125.6 | R 82.1 | R 207.7 |
| 1985 | 0.5 | 73.5 | 19.2 | 0.1 | 1.4 | 1.5 | 0.7 | 22.9 | NA | 0.6 | NA | 41.2 | 138.7 | R 94.5 | R 233.1 |
| 1990 | 0.1 | 66.7 | 12.4 | (s) | 2.0 | 1.7 | 1.4 | 17.4 | 0.1 | 1.9 | 0.0 | 45.7 | 132.1 | R 105.0 | R 237.0 |
| 1995 | 2.8 | 85.8 | 5.7 | 0.1 | 2.6 | 0.3 | 0.7 | 9.3 | (s) | 1.3 | 0.0 | 53.4 | 152.6 | R 120.5 | R 273.1 |
| 1996 | 2.3 | 95.0 | 5.7 | 0.1 | 3.5 | 0.4 | 0.8 | 10.5 | 0.1 | 1.7 | 0.0 | 55.2 | 164.8 | R 124.8 | R 289.7 |
| 1997 | 3.6 | 89.7 | 7.3 | (s) | 3.1 | 0.3 | 0.8 | 11.5 | 0.1 | 1.3 | 0.0 | 56.2 | 162.5 | R 126.6 | R 289.1 |
| 1998 | 3.1 | 82.2 | 8.1 | 0.1 | 2.8 | 0.3 | 1.5 | 12.6 | 0.1 | 1.2 | 0.0 | 57.8 | 157.1 | R 130.2 | R 287.3 |
| 1999 | 3.7 | 82.6 | 8.4 | (s) | 3.3 | 0.4 | 1.1 | 13.2 | 0.1 | 1.0 | 0.0 | 62.7 | 163.4 | R 142.6 | R 306.0 |
| 2000 | 4.0 | 81.9 | 7.8 | 0.1 | 3.1 | 0.4 | 1.1 | 12.5 | (s) | 1.5 | 0.0 | 65.0 | 165.0 | R 147.0 | R 312.1 |
| 2001 | 4.1 | 76.7 | 8.3 | 0.1 | 2.9 | 0.4 | 1.2 | 13.0 | (s) | 1.7 | 0.0 | 66.3 | 161.9 | R 146.9 | R 308.8 |
| 2002 | 2.7 | 86.6 | 7.0 | 0.1 | 3.5 | 0.4 | 2.3 | 13.3 | 0.0 | 1.6 | 0.0 | 67.9 | 172.1 | R 150.4 | R 322.5 |
| 2003 | 3.3 | 88.0 | 8.2 | 0.2 | 4.2 | 0.4 | 2.5 | 15.5 | 0.1 | 1.6 | 0.0 | 68.4 | 176.9 | R 150.1 | R 327.0 |
| 2004 | 3.3 | 82.8 | 7.7 | 0.2 | 3.7 | 0.4 | 1.6 | 13.6 | (s) | 1.8 | 0.0 | 66.0 | 167.6 | R 145.2 | R 312.8 |
| 2005 | 7.3 | 87.2 | 7.2 | 0.2 | 2.4 | 0.5 | 1.9 | 12.1 | 0.1 | R 4.3 | 0.0 | 76.8 | R 187.8 | R 166.9 | R 354.8 |
| 2006 | 0.6 | 87.3 | 5.2 | 0.1 | 2.2 | 0.3 | 0.5 | 8.3 | (s) | R 4.0 | 0.0 | 77.6 | R 177.9 | R 166.9 | R 344.8 |
| 2007 | 1.2 | 90.2 | 5.9 | 0.1 | 2.4 | 0.3 | 0.2 | 8.7 | (s) | R 4.4 | 0.0 | 80.2 | R 184.7 | R 171.9 | R 356.6 |
| 2008 | 4.3 | 98.5 | R 7.5 | (s) | 3.4 | 0.3 | (s) | R 11.2 | (s) | R 4.6 | 0.0 | 80.1 | R 198.7 | R 171.4 | R 370.1 |
| 2009 | 2.7 | 92.7 | 6.0 | (s) | 2.6 | 0.3 | (s) | 8.9 | (s) | 4.6 | 0.0 | 76.7 | 185.6 | 161.4 | 346.9 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 4,710 | 30 | 6,950 | 1,088 | 2,774 | 3,416 | 5,358 | 19,585 | 338 | – – | – – | – – | 4,230 | – – | – – | – – |
| 1965 | 5,789 | 82 | 7,654 | 866 | 2,541 | 2,371 | 4,987 | 18,419 | 306 | – – | – – | – – | 6,153 | – – | – – | – – |
| 1970 | 5,147 | 141 | 7,917 | 1,009 | 2,471 | 1,554 | 7,672 | 20,623 | 306 | – – | – – | – – | 8,570 | – – | – – | – – |
| 1975 | 2,439 | 152 | 7,150 | 1,996 | 2,027 | 1,105 | 5,788 | 18,065 | 318 | – – | – – | – – | 10,823 | – – | – – | – – |
| 1980 | 2,364 | 130 | 3,589 | 2,444 | 1,633 | 1,439 | 5,596 | 14,701 | 258 | – – | – – | – – | 13,290 | – – | – – | – – |
| 1985 | 2,132 | 115 | 3,192 | 1,611 | 1,137 | 158 | 4,511 | 10,610 | 258 | – – | – – | – – | 17,195 | – – | – – | – – |
| 1990 | 1,960 | 122 | 4,178 | 1,619 | 780 | 891 | 6,526 | 13,994 | 201 | – – | – – | – – | 19,405 | – – | – – | – – |
| 1995 | 1,949 | 146 | 4,111 | 2,089 | 934 | 699 | 8,245 | 16,078 | 266 | – – | – – | – – | 23,690 | – – | – – | – – |
| 1996 | 1,678 | 150 | 4,721 | 2,253 | 921 | 858 | 18,633 | 27,385 | 272 | – – | – – | – – | 23,871 | – – | – – | – – |
| 1997 | 1,757 | 156 | 4,615 | 2,077 | 914 | 921 | 20,668 | 29,194 | 280 | – – | – – | – – | 25,103 | – – | – – | – – |
| 1998 | 1,687 | 142 | 4,591 | 1,312 | 669 | 674 | 21,572 | 28,818 | 220 | – – | – – | – – | 26,040 | – – | – – | – – |
| 1999 | 1,651 | 146 | 6,962 | 2,727 | 753 | 835 | 22,086 | 33,364 | 246 | – – | – – | – – | 25,665 | – – | – – | – – |
| 2000 | 1,693 | 152 | 8,360 | 3,332 | 780 | 921 | 21,168 | 34,562 | 227 | – – | – – | – – | 26,162 | – – | – – | – – |
| 2001 | 1,651 | 133 | 9,726 | 2,662 | 1,186 | 714 | 11,107 | 25,396 | 152 | – – | – – | – – | 25,370 | – – | – – | – – |
| 2002 | 1,716 | 138 | 8,941 | 3,462 | 1,285 | 679 | 10,647 | 25,013 | 218 | – – | – – | – – | 25,534 | – – | – – | – – |
| 2003 | 1,723 | 138 | 5,037 | 2,439 | 1,323 | 535 | 11,965 | 21,298 | 185 | – – | – – | – – | 25,821 | – – | – – | – – |
| 2004 | 1,766 | 141 | 5,578 | 3,579 | 1,679 | 901 | 11,999 | 23,737 | 195 | – – | – – | – – | 27,435 | – – | – – | – – |
| 2005 | 1,695 | 131 | 5,646 | 3,549 | 1,710 | 1,071 | 11,583 | 23,558 | 203 | – – | – – | – – | 25,376 | – – | – – | – – |
| 2006 | 1,758 | 118 | 5,570 | 3,379 | 1,938 | 639 | R 9,849 | R 21,375 | 204 | – – | – – | – – | 25,286 | – – | – – | – – |
| 2007 | 1,762 | 121 | 5,670 | 3,234 | 1,677 | 740 | R 9,181 | R 20,502 | 179 | – – | – – | – – | 25,436 | – – | – – | – – |
| 2008 | 1,682 | 128 | R 5,113 | R 1,217 | 958 | 737 | R 8,283 | R 16,308 | 163 | – – | – – | – – | 24,672 | – – | – – | – – |
| 2009 | 1,519 | 120 | 3,714 | 1,459 | 993 | 133 | 7,142 | 13,441 | 113 | – – | – – | – – | 22,390 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 116.6 | 30.8 | 40.5 | 4.4 | 14.6 | 21.5 | 33.3 | 114.2 | 3.6 | 19.3 | NA | NA | 14.4 | 299.0 | 35.7 | 334.7 |
| 1965 | 142.4 | 83.0 | 44.6 | 3.5 | 13.3 | 14.9 | 31.0 | 107.3 | 3.2 | 24.2 | NA | NA | 21.0 | 381.1 | 50.1 | R 431.2 |
| 1970 | 119.6 | 143.6 | 46.1 | 3.8 | 13.0 | 9.8 | 48.2 | 120.8 | 3.2 | 26.1 | NA | NA | 29.2 | 442.6 | R 70.7 | 513.3 |
| 1975 | 54.7 | 155.5 | 41.6 | 7.4 | 10.6 | 6.9 | 35.9 | 102.5 | 3.3 | 32.9 | NA | NA | 36.9 | 385.9 | R 88.6 | R 474.5 |
| 1980 | 54.6 | 130.6 | 20.9 | 9.0 | 8.6 | 9.0 | 34.7 | 82.2 | 2.7 | 142.1 | NA | NA | 45.3 | 457.4 | R 108.9 | R 566.4 |
| 1985 | 49.7 | 116.4 | 18.6 | 5.8 | 6.0 | 1.0 | 27.0 | 58.4 | 2.7 | 166.5 | 0.0 | NA | 58.7 | 452.4 | R 134.4 | R 586.7 |
| 1990 | 47.3 | 122.6 | 24.3 | 5.9 | 4.1 | 5.6 | 40.6 | 80.5 | 2.1 | 61.3 | 0.0 | 0.0 | 66.2 | 380.1 | R 151.9 | R 532.0 |
| 1995 | 47.2 | 147.7 | 23.9 | 7.6 | 4.9 | 4.4 | 50.8 | 91.5 | 2.7 | 72.0 | 0.3 | 0.0 | 80.8 | 442.2 | R 182.5 | R 624.6 |
| 1996 | 40.1 | 151.5 | 27.5 | 8.1 | 4.8 | 5.4 | 106.3 | 152.1 | 2.8 | 79.8 | 0.3 | 0.0 | 81.4 | 508.0 | R 184.1 | R 692.0 |
| 1997 | 42.4 | 157.4 | 26.9 | 7.5 | 4.8 | 5.8 | 119.0 | 164.0 | 2.9 | 84.0 | 0.2 | 0.0 | 85.7 | 536.5 | R 192.8 | R 729.3 |
| 1998 | 41.0 | 143.5 | 26.7 | 4.7 | 3.5 | 4.2 | 125.0 | 164.2 | 2.2 | 76.6 | 0.2 | 0.0 | 88.8 | 516.6 | R 200.2 | R 716.9 |
| 1999 | 40.1 | 147.4 | 40.6 | 9.9 | 3.9 | 5.3 | 127.6 | 187.2 | 2.5 | 81.3 | 0.2 | 0.0 | 87.6 | 546.3 | R 199.1 | R 745.4 |
| 2000 | 40.1 | 153.4 | 48.7 | 12.0 | 4.1 | 5.8 | 121.9 | 192.4 | 2.3 | 80.0 | 0.2 | 0.0 | 89.3 | 557.8 | R 201.9 | R 759.7 |
| 2001 | 38.9 | 134.1 | 56.7 | 9.6 | 6.2 | 4.5 | 68.5 | 145.5 | 1.6 | 85.8 | 0.2 | 0.0 | 86.6 | 492.6 | R 191.8 | R 684.4 |
| 2002 | 40.2 | 138.9 | 52.1 | 12.5 | 6.7 | 4.3 | 65.2 | 140.8 | 2.2 | 58.0 | 1.3 | 0.0 | 87.1 | 468.5 | R 193.1 | R 661.6 |
| 2003 | 40.0 | 138.9 | 29.3 | 8.8 | 6.9 | 3.4 | 74.1 | 122.5 | 1.9 | 69.5 | 4.6 | 0.0 | 88.1 | R 465.4 | R 193.3 | R 658.7 |
| 2004 | 40.9 | 142.2 | 32.5 | 12.9 | 8.8 | 5.7 | 74.2 | 134.0 | 2.0 | 54.6 | 6.4 | 0.0 | 93.6 | 473.7 | R 205.9 | R 679.5 |
| 2005 | 39.1 | 132.3 | 32.9 | 12.8 | 8.9 | 6.7 | 71.6 | 133.0 | 2.0 | 65.9 | 10.1 | 0.0 | 86.6 | R 469.1 | R 188.3 | R 657.3 |
| 2006 | 39.9 | 119.7 | 32.4 | 12.2 | 10.1 | 4.0 | R 61.8 | R 120.6 | 2.0 | R 62.8 | 12.3 | 0.0 | 86.3 | R 443.5 | R 185.5 | R 629.0 |
| 2007 | 40.1 | 122.8 | 33.0 | 11.6 | 8.8 | 4.7 | R 57.4 | R 115.5 | 1.8 | R 54.7 | 16.4 | 0.0 | 86.8 | R 437.9 | R 186.2 | R 624.1 |
| 2008 | 38.3 | R 129.6 | R 29.8 | 4.4 | 5.0 | 4.6 | R 51.7 | R 95.5 | 1.6 | R 52.6 | 25.5 | 0.0 | 84.2 | R 427.4 | R 180.2 | R 607.5 |
| 2009 | 34.2 | 121.4 | 21.6 | 5.2 | 5.2 | 0.8 | 44.7 | 77.5 | 1.1 | 51.1 | 26.0 | 0.0 | 76.4 | 387.7 | 160.8 | 548.4 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 81 | 1 | 427 | 1,773 | 245 | 23 | 527 | 30,056 | 378 | 33,430 | 0 | – – | – – | – – |
| 1965 | 19 | 2 | 636 | 2,148 | 629 | 36 | 493 | 33,446 | 378 | 37,765 | 0 | – – | – – | – – |
| 1970 | 8 | 7 | 332 | 4,179 | 1,603 | 74 | 552 | 42,956 | 6 | 49,703 | 0 | – – | – – | – – |
| 1975 | (s) | 5 | 173 | 6,064 | 2,169 | 93 | 497 | 49,469 | 285 | 58,751 | 0 | – – | – – | – – |
| 1980 | 0 | 8 | 124 | 8,570 | 2,397 | 84 | 523 | 47,897 | 235 | 59,829 | 0 | – – | – – | – – |
| 1985 | 0 | 3 | 102 | 9,749 | 1,663 | 184 | 476 | 45,136 | 138 | 57,447 | 0 | – – | – – | – – |
| 1990 | 0 | 4 | 122 | 12,388 | 1,424 | 118 | 535 | 47,890 | 2 | 62,478 | 0 | – – | – – | – – |
| 1995 | 0 | 4 | 374 | 14,524 | 2,044 | 123 | 511 | 54,068 | 22 | 71,666 | (s) | – – | – – | – – |
| 1996 | 0 | 4 | 367 | 15,179 | 1,530 | 106 | 495 | 55,313 | 32 | 73,023 | (s) | – – | – – | – – |
| 1997 | 0 | 5 | 486 | 15,625 | 1,950 | 99 | 523 | 54,731 | 12 | 73,426 | (s) | – – | – – | – – |
| 1998 | 0 | 4 | 454 | 16,092 | 1,866 | 176 | 548 | 58,019 | 14 | 77,169 | (s) | – – | – – | – – |
| 1999 | 0 | 4 | 134 | 16,622 | 3,407 | 52 | 554 | 58,138 | 7 | 78,912 | (s) | – – | – – | – – |
| 2000 | 0 | 4 | 112 | 16,286 | 3,139 | 45 | 545 | 57,334 | 7 | 77,468 | (s) | – – | – – | – – |
| 2001 | 0 | 3 | 236 | 16,993 | 2,590 | 98 | 500 | 57,605 | 3 | 78,025 | (s) | – – | – – | – – |
| 2002 | 0 | 4 | 126 | 16,910 | 2,293 | 81 | 494 | 58,986 | 4 | 78,894 | (s) | – – | – – | – – |
| 2003 | 0 | 4 | 54 | 15,975 | 1,336 | 126 | 456 | 59,496 | 2 | 77,446 | R 0 | – – | – – | – – |
| 2004 | 0 | 4 | 162 | 18,147 | 2,641 | 119 | 462 | 59,364 | 3 | 80,899 | R 0 | – – | – – | – – |
| 2005 | 0 | 4 | 83 | 17,500 | 2,858 | 172 | 460 | 59,571 | 101 | 80,745 | R 0 | – – | – – | – – |
| 2006 | 0 | 3 | 71 | 19,311 | 2,748 | 176 | 448 | 58,533 | 131 | 81,418 | R 0 | – – | – – | – – |
| 2007 | 0 | 3 | 61 | 19,125 | 2,227 | 160 | 463 | 60,542 | 35 | 82,614 | R 0 | – – | – – | – – |
| 2008 | 0 | 3 | 64 | R 19,794 | 2,638 | R 237 | 430 | 59,198 | 7 | R 82,367 | R 0 | – – | – – | – – |
| 2009 | 0 | 2 | 44 | 17,707 | 2,493 | 167 | 386 | 59,065 | 0 | 79,862 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | 2.0 | 0.6 | 2.2 | 10.3 | 1.3 | 0.1 | 3.2 | 157.9 | 2.4 | 177.4 | 0.0 | 179.9 | 0.0 | 179.9 |
| 1965 | 0.5 | 1.6 | 3.2 | 12.5 | 3.5 | 0.1 | 3.0 | 175.7 | 2.4 | 200.4 | 0.0 | 202.5 | 0.0 | 202.5 |
| 1970 | 0.2 | 6.7 | 1.7 | 24.3 | 9.0 | 0.3 | 3.3 | 225.7 | (s) | 264.4 | 0.0 | 271.3 | 0.0 | 271.3 |
| 1975 | (s) | 5.1 | 0.9 | 35.3 | 12.3 | 0.3 | 3.0 | 259.9 | 1.8 | 313.5 | 0.0 | 318.5 | 0.0 | 318.5 |
| 1980 | 0.0 | 8.3 | 0.6 | 49.9 | 13.5 | 0.3 | 3.2 | 251.6 | 1.5 | 320.6 | 0.0 | 328.9 | 0.0 | 328.9 |
| 1985 | 0.0 | 2.8 | 0.5 | 56.8 | 9.3 | 0.7 | 2.9 | 237.1 | 0.9 | 308.2 | 0.0 | 311.1 | 0.0 | 311.1 |
| 1990 | 0.0 | 4.4 | 0.6 | 72.2 | 8.0 | 0.4 | 3.2 | 251.6 | (s) | 336.0 | 0.0 | 341.1 | 0.0 | 341.1 |
| 1995 | 0.0 | 4.3 | 1.9 | 84.6 | 11.6 | 0.4 | 3.1 | 282.0 | 0.1 | 383.7 | (s) | 388.0 | (s) | 388.0 |
| 1996 | 0.0 | 4.3 | 1.9 | 88.4 | 8.7 | 0.4 | 3.0 | 288.5 | 0.2 | 391.0 | (s) | 395.4 | (s) | 395.4 |
| 1997 | 0.0 | 4.6 | 2.5 | 91.0 | 11.1 | 0.4 | 3.2 | 285.3 | 0.1 | 393.4 | (s) | 398.0 | (s) | 398.0 |
| 1998 | 0.0 | 4.5 | 2.3 | 93.7 | 10.6 | 0.6 | 3.3 | 302.4 | 0.1 | 413.0 | (s) | 417.5 | (s) | 417.5 |
| 1999 | 0.0 | 4.4 | 0.7 | 96.8 | 19.3 | 0.2 | 3.4 | 303.0 | (s) | 423.4 | (s) | 427.7 | (s) | 427.7 |
| 2000 | 0.0 | 4.3 | 0.6 | 94.9 | 17.8 | 0.2 | 3.3 | 298.7 | (s) | 415.5 | (s) | 419.7 | (s) | 419.7 |
| 2001 | 0.0 | 3.1 | 1.2 | 99.0 | 14.7 | 0.4 | 3.0 | 300.1 | (s) | 418.4 | (s) | 421.5 | (s) | 421.5 |
| 2002 | 0.0 | 4.1 | 0.6 | 98.5 | 13.0 | 0.3 | 3.0 | 307.2 | (s) | 422.6 | (s) | 426.7 | (s) | 426.7 |
| 2003 | 0.0 | 3.8 | 0.3 | 93.1 | 7.6 | 0.5 | 2.8 | 309.8 | (s) | 413.9 | R 0.0 | 417.8 | R 0.0 | 417.8 |
| 2004 | 0.0 | 3.6 | 0.8 | 105.7 | 15.0 | 0.4 | 2.8 | 309.6 | (s) | 434.3 | R 0.0 | 438.0 | R 0.0 | 438.0 |
| 2005 | 0.0 | 3.8 | 0.4 | 101.9 | 16.2 | 0.6 | 2.8 | 310.8 | 0.6 | 433.4 | R 0.0 | 437.3 | R 0.0 | 437.3 |
| 2006 | 0.0 | 3.2 | 0.4 | 112.5 | 15.6 | 0.6 | 2.7 | 305.4 | 0.8 | 438.0 | R 0.0 | 441.2 | R 0.0 | 441.2 |
| 2007 | 0.0 | 3.0 | 0.3 | 111.4 | 12.6 | 0.6 | 2.8 | 316.0 | 0.2 | 443.9 | R 0.0 | 446.9 | R 0.0 | 446.9 |
| 2008 | 0.0 | R 2.7 | 0.3 | R 115.3 | 15.0 | R 0.9 | 2.6 | 308.9 | (s) | R 443.0 | R 0.0 | R 445.7 | R 0.0 | R 445.7 |
| 2009 | 0.0 | 1.7 | 0.2 | 103.1 | 14.1 | 0.6 | 2.3 | 308.2 | 0.0 | 428.6 | 0.0 | 430.4 | 0.0 | 430.4 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Wisconsin

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 5,195 | 2 | 45 | 5 | 0 | 50 | 0 | 2,061 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 6,697 | 14 | 53 | 6 | 0 | 59 | 0 | 1,825 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 10,450 | 31 | 1,132 | 124 | 240 | 1,497 | 157 | 1,597 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 9,716 | 20 | 548 | 578 | 37 | 1,163 | 10,293 | 1,719 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 13,229 | 14 | 68 | 499 | 9 | 576 | 9,911 | 1,857 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 15,876 | 1 | 0 | 251 | 24 | 274 | 10,979 | 2,288 | – – | 0 | 0 | (s) | 0 | – – |
| 1990 | 18,158 | 3 | 0 | 114 | 0 | 114 | 11,226 | 1,802 | – – | 0 | 0 | (s) | 0 | – – |
| 1995 | 21,072 | 10 | 0 | 194 | 144 | 337 | 10,970 | 2,109 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 22,293 | 7 | 0 | 161 | 133 | 293 | 10,121 | 2,414 | – – | 0 | 0 | 0 | 163 | – – |
| 1997 | 23,568 | 16 | 0 | 263 | 178 | 441 | 3,916 | 2,195 | – – | 0 | 0 | 0 | 878 | – – |
| 1998 | 22,925 | 24 | 1 | 328 | 181 | 511 | 9,397 | 1,518 | – – | 0 | 0 | 0 | 807 | – – |
| 1999 | 23,468 | 21 | 2 | 351 | 201 | 553 | 11,495 | 1,734 | – – | 0 | 0 | 0 | 399 | – – |
| 2000 | 24,072 | 21 | 2 | 284 | 192 | 478 | 11,512 | 1,754 | – – | 0 | 0 | 3 | 0 | – – |
| 2001 | 24,081 | 22 | 2 | 200 | 198 | 400 | 11,507 | 1,900 | – – | 0 | 0 | 72 | 0 | – – |
| 2002 | 23,331 | 21 | 0 | 135 | 231 | 366 | 12,449 | 2,297 | – – | 0 | 0 | 46 | 0 | – – |
| 2003 | 24,319 | 24 | 0 | 218 | 284 | 501 | 12,215 | 1,653 | – – | 0 | 0 | 98 | 1 | – – |
| 2004 | 24,777 | 21 | 0 | 273 | 856 | 1,129 | 11,888 | 1,783 | – – | 0 | 0 | 104 | 0 | – – |
| 2005 | 24,615 | 59 | 0 | 286 | 844 | 1,130 | 9,921 | 1,530 | – – | 0 | 0 | 93 | (s) | – – |
| 2006 | 23,702 | 44 | 0 | 246 | 1,273 | 1,519 | 12,234 | 1,475 | – – | 0 | 0 | 101 | (s) | – – |
| 2007 | 23,780 | 54 | 0 | 299 | 1,360 | 1,660 | 12,910 | 1,336 | – – | 0 | 0 | 109 | (s) | – – |
| 2008 | 24,725 | 41 | 0 | 164 | 1,299 | 1,463 | 12,155 | 1,453 | – – | 0 | 0 | 487 | (s) | – – |
| 2009 | 22,199 | 41 | 0 | 94 | 972 | 1,066 | 12,683 | 1,281 | – – | 0 | 0 | 1,052 | 0 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 125.8 | 2.1 | 0.3 | (s) | 0.0 | 0.3 | 0.0 | 22.2 | 0.0 | 0.0 | NA | NA | 0.0 | 150.4 |
| 1965 | 161.0 | 14.7 | 0.3 | (s) | 0.0 | 0.4 | 0.0 | 19.1 | (s) | 0.0 | NA | NA | 0.0 | 195.1 |
| 1970 | 234.6 | 31.2 | 7.1 | 0.7 | 1.4 | 9.3 | 1.7 | 16.8 | 0.1 | 0.0 | NA | NA | 0.0 | 293.6 |
| 1975 | 206.3 | 20.3 | 3.4 | 3.4 | 0.2 | 7.0 | 113.4 | 17.9 | 0.0 | 0.0 | NA | NA | 0.0 | 364.8 |
| 1980 | 271.5 | 13.8 | 0.4 | 2.9 | 0.1 | 3.4 | 108.1 | 19.3 | 0.6 | 0.0 | NA | NA | 0.0 | 416.8 |
| 1985 | 310.3 | 1.3 | 0.0 | 1.5 | 0.1 | 1.6 | 116.6 | 23.9 | 0.9 | 0.0 | 0.0 | (s) | 0.0 | 454.7 |
| 1990 | 347.0 | 2.7 | 0.0 | 0.7 | 0.0 | 0.7 | 118.8 | 18.7 | 3.4 | 0.0 | 0.0 | (s) | 0.0 | 491.4 |
| 1995 | 391.2 | 10.1 | 0.0 | 1.1 | 0.9 | 2.0 | 115.3 | 21.7 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 545.1 |
| 1996 | 411.9 | 7.5 | 0.0 | 0.9 | 0.8 | 1.7 | 106.3 | 25.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.6 | 558.2 |
| 1997 | 440.2 | 16.0 | 0.0 | 1.5 | 1.1 | 2.6 | 41.1 | 22.4 | 6.0 | 0.0 | 0.0 | 0.0 | 3.0 | 531.4 |
| 1998 | 427.6 | 24.7 | (s) | 1.9 | 1.1 | 3.0 | 98.6 | 15.5 | 6.7 | 0.0 | 0.0 | 0.0 | 2.8 | 578.7 |
| 1999 | 436.4 | 21.6 | (s) | 2.0 | 1.2 | 3.3 | 120.1 | 17.7 | 5.7 | 0.0 | 0.0 | 0.0 | 1.4 | 606.2 |
| 2000 | 454.6 | 21.5 | (s) | 1.7 | 1.2 | 2.8 | 120.1 | 17.9 | 5.2 | 0.0 | 0.0 | (s) | 0.0 | 622.1 |
| 2001 | 450.5 | 22.7 | (s) | 1.2 | 1.2 | 2.4 | 120.2 | 19.6 | 4.1 | 0.0 | 0.0 | 0.7 | 0.0 | 620.3 |
| 2002 | 448.7 | 20.0 | 0.0 | 0.8 | 1.4 | 2.2 | 130.0 | 23.4 | 5.1 | 0.0 | 0.0 | 0.5 | 0.0 | 629.8 |
| 2003 | 444.5 | 23.8 | 0.0 | 1.3 | 1.7 | 3.0 | 127.3 | 16.9 | 5.5 | 0.0 | 0.0 | 1.0 | (s) | 621.9 |
| 2004 | 454.6 | 21.2 | 0.0 | 1.6 | 5.2 | 6.7 | 124.0 | 17.9 | 7.8 | 0.0 | 0.0 | 1.0 | 0.0 | 633.3 |
| 2005 | 475.5 | 59.2 | 0.0 | 1.7 | 5.1 | 6.8 | 103.5 | 15.3 | 6.7 | 0.0 | 0.0 | 0.9 | (s) | 667.9 |
| 2006 | 422.1 | 44.5 | 0.0 | 1.4 | 7.7 | 9.1 | 127.7 | 14.6 | 8.1 | 0.0 | 0.0 | 1.0 | (s) | 627.1 |
| 2007 | 423.6 | 55.1 | 0.0 | 1.7 | 8.2 | 9.9 | 135.4 | 13.2 | 8.8 | 0.0 | 0.0 | 1.1 | (s) | 647.1 |
| 2008 | 437.5 | 41.7 | 0.0 | 1.0 | 7.8 | 8.8 | 127.1 | 14.3 | 9.2 | 0.0 | 0.0 | 4.8 | (s) | 643.4 |
| 2009 | 388.8 | 41.6 | 0.0 | 0.5 | 5.9 | 6.4 | 132.7 | 12.5 | 9.8 | 0.0 | 0.0 | 10.3 | 0.0 | 602.1 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2009, Wyoming

| | | | Petroleum | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coal | Natural Gas [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline [d] | Residual Fuel Oil | Other [e] | Total | Nuclear Electric Power | Hydro-electric Power [f] | Fuel Ethanol [g] |
| Year | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatthours | | Thousand Barrels |
| 1960 | 993 | 51 | 3,278 | 56 | 1,114 | 4,431 | 1,749 | 2,874 | 13,502 | 0 | 609 | NA |
| 1965 | 2,109 | 59 | 3,696 | 74 | 1,171 | 4,739 | 2,171 | 3,550 | 15,401 | 0 | 884 | NA |
| 1970 | 3,802 | 110 | 5,059 | 128 | 1,848 | 5,900 | 1,487 | 4,137 | 18,558 | 0 | 1,006 | NA |
| 1971 | 3,600 | 115 | 5,731 | 129 | 2,078 | 6,055 | 1,203 | 4,383 | 19,578 | 0 | 1,312 | NA |
| 1972 | 4,818 | 126 | 5,499 | 163 | 2,475 | 6,552 | 1,281 | 4,396 | 20,366 | 0 | 1,172 | NA |
| 1973 | 6,085 | 109 | 6,295 | 163 | 2,120 | 6,910 | 1,550 | 4,998 | 22,036 | 0 | 1,209 | NA |
| 1974 | 6,365 | 96 | 7,094 | 165 | 1,789 | 6,798 | 1,995 | 4,536 | 22,377 | 0 | 1,411 | NA |
| 1975 | 7,628 | 87 | 7,656 | 124 | 1,815 | 7,354 | 2,076 | 4,296 | 23,321 | 0 | 1,120 | NA |
| 1976 | 10,155 | 87 | 8,161 | 130 | 1,832 | 7,869 | 2,686 | 4,286 | 24,964 | 0 | 1,043 | NA |
| 1977 | 13,033 | 84 | 9,340 | 150 | 1,795 | 8,275 | 2,595 | 5,154 | 27,310 | 0 | 762 | NA |
| 1978 | 12,947 | 87 | 10,553 | 176 | 2,022 | 8,833 | 2,945 | 5,688 | 30,218 | 0 | 982 | NA |
| 1979 | 15,311 | 94 | 12,047 | 189 | 2,068 | 8,544 | 3,075 | 5,235 | 31,158 | 0 | 1,053 | NA |
| 1980 | 15,208 | 69 | 13,247 | 162 | 2,030 | 8,501 | 2,171 | 4,848 | 30,959 | 0 | 1,108 | NA |
| 1981 | 18,354 | 69 | 12,433 | 249 | 2,028 | 8,498 | 1,989 | 3,434 | 28,631 | 0 | 841 | 2 |
| 1982 | 19,197 | 91 | 11,090 | 214 | 2,551 | 8,266 | 1,575 | 3,096 | 26,791 | 0 | 850 | 1 |
| 1983 | 17,970 | 81 | 7,231 | 155 | 2,641 | 7,856 | 320 | 3,041 | 21,243 | 0 | 1,150 | (s) |
| 1984 | 20,756 | 85 | 6,457 | 159 | 2,194 | 8,196 | 195 | 3,973 | 21,174 | 0 | 1,286 | 1 |
| 1985 | 23,155 | 82 | 7,216 | 154 | 1,942 | 7,671 | 211 | 4,087 | 21,280 | 0 | 1,068 | 1 |
| 1986 | 19,338 | 75 | 6,531 | 144 | 2,169 | 7,203 | 190 | 3,938 | 20,175 | 0 | 1,140 | (s) |
| 1987 | 24,399 | 82 | 8,426 | 202 | 2,756 | 7,277 | 119 | 4,135 | 22,915 | 0 | 768 | (s) |
| 1988 | 25,424 | 82 | 9,093 | 193 | 2,083 | 7,427 | 257 | 4,237 | 23,289 | 0 | 789 | (s) |
| 1989 | 23,952 | 82 | 9,382 | 160 | 2,462 | 7,561 | 30 | 4,109 | 23,704 | 0 | 680 | 8 |
| 1990 | 25,514 | 92 | 9,308 | 143 | 1,263 | 7,105 | 39 | 4,168 | 22,026 | 0 | 645 | 22 |
| 1991 | 25,150 | 97 | 7,813 | 119 | 1,228 | 7,212 | 40 | 3,250 | 19,663 | 0 | 736 | 82 |
| 1992 | 27,339 | 124 | 8,278 | 153 | 1,184 | 7,429 | 10 | 3,340 | 20,395 | 0 | 636 | 137 |
| 1993 | 26,171 | 105 | 9,273 | 140 | 1,752 | 7,572 | 71 | 3,156 | 21,965 | 0 | 787 | 156 |
| 1994 | 27,459 | 106 | 8,974 | 152 | 1,580 | 7,683 | 40 | 3,478 | 21,906 | 0 | 897 | 177 |
| 1995 | 25,933 | 98 | 10,323 | 160 | 1,979 | 7,936 | 20 | 3,274 | 23,693 | 0 | 799 | 135 |
| 1996 | 26,647 | 101 | 10,552 | 151 | 1,651 | 7,905 | 6 | 3,964 | 24,229 | 0 | 1,232 | 49 |
| 1997 | 26,096 | 101 | 11,306 | 121 | 308 | 7,603 | 4 | 4,054 | 23,397 | 0 | 1,381 | 3 |
| 1998 | 28,773 | 109 | 11,103 | 116 | 253 | 7,888 | 6 | 3,645 | 23,010 | 0 | 1,342 | 0 |
| 1999 | 27,677 | 97 | 13,668 | 174 | 480 | 7,879 | 8 | 4,086 | 26,294 | 0 | 1,170 | 0 |
| 2000 | 28,416 | 101 | 12,600 | 286 | 1,217 | 7,799 | 23 | 4,263 | 26,188 | 0 | 1,011 | 0 |
| 2001 | 27,984 | 99 | 14,020 | 331 | 1,238 | 8,102 | 68 | 5,140 | 28,898 | 0 | 879 | 0 |
| 2002 | 27,305 | 113 | 13,814 | 210 | 1,114 | 8,041 | 151 | 4,486 | 27,817 | 0 | 584 | 0 |
| 2003 | 27,575 | 115 | 14,305 | 166 | 1,093 | 8,009 | 143 | 5,196 | 28,911 | 0 | 594 | 0 |
| 2004 | 28,156 | 107 | 14,112 | 242 | 993 | 7,968 | 107 | 4,969 | 28,390 | 0 | 593 | 0 |
| 2005 | 27,752 | 108 | 14,112 | 204 | 1,241 | 8,187 | 133 | 5,029 | 28,905 | 0 | 808 | 159 |
| 2006 | 27,906 | 108 | 16,238 | 292 | 1,212 | 8,329 | 111 | R 4,382 | R 30,564 | 0 | 843 | 160 |
| 2007 | 28,382 | 141 | 16,328 | 378 | 1,469 | 8,523 | 76 | R 4,462 | R 31,237 | 0 | 729 | 283 |
| 2008 | 28,672 | 143 | R 16,984 | 393 | 1,595 | 8,208 | 92 | R 4,528 | R 31,799 | 0 | 835 | 354 |
| 2009 | 27,080 | 141 | 15,017 | 431 | 1,539 | 8,498 | 24 | 4,430 | 29,937 | 0 | 967 | 431 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Motor gasoline as it is consumed; includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[g] Includes denaturant.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming
(Trillion Btu)

| Year | Fossil Fuels | | | | | | | | | | Fossil Fuels (as commingled) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Petroleum | | | | | | | | | |
| | Coal | Natural Gas excluding Supplemental Gaseous Fuels [a] | Distillate Fuel Oil | Jet Fuel [b] | LPG [c] | Motor Gasoline excluding Fuel Ethanol [a] | Residual Fuel Oil | Other [d] | Total | Total | *Natural Gas including Supplemental Gaseous Fuels* [a] | *Motor Gasoline including Fuel Ethanol* [a] |
| 1960 | 15.8 | 52.8 | 19.1 | 0.3 | 4.5 | 23.3 | 11.0 | 17.6 | 75.7 | 144.3 | *52.8* | *23.3* |
| 1965 | 34.5 | 54.8 | 21.5 | 0.4 | 4.7 | 24.9 | 13.6 | 21.5 | 86.7 | 175.9 | *54.8* | *24.9* |
| 1970 | 63.5 | 112.5 | 29.5 | 0.7 | 7.0 | 31.0 | 9.3 | 25.2 | 102.7 | 278.7 | *112.5* | *31.0* |
| 1971 | 58.8 | 117.9 | 33.4 | 0.7 | 7.8 | 31.8 | 7.6 | 26.7 | 108.0 | 284.8 | *117.9* | *31.8* |
| 1972 | 80.1 | 128.7 | 32.0 | 0.9 | 9.3 | 34.4 | 8.1 | 26.7 | 111.4 | 320.2 | *128.7* | *34.4* |
| 1973 | 102.4 | 110.4 | 36.7 | 0.9 | 7.9 | 36.3 | 9.7 | 30.3 | 121.9 | 334.7 | *110.4* | *36.3* |
| 1974 | 109.1 | 95.4 | 41.3 | 0.9 | 6.7 | 35.7 | 12.5 | 27.3 | 124.5 | 329.0 | *95.4* | *35.7* |
| 1975 | 128.0 | 81.4 | 44.6 | 0.7 | 6.7 | 38.6 | 13.1 | 25.9 | 129.6 | 339.1 | *81.4* | *38.6* |
| 1976 | 179.1 | 82.5 | 47.5 | 0.7 | 6.8 | 41.3 | 16.9 | 26.0 | 139.3 | 400.8 | *82.5* | *41.3* |
| 1977 | 230.7 | 78.4 | 54.4 | 0.8 | 6.6 | 43.5 | 16.3 | 31.5 | 153.1 | 462.2 | *78.4* | *43.5* |
| 1978 | 228.1 | 79.8 | 61.5 | 1.0 | 7.4 | 46.4 | 18.5 | 34.9 | 169.7 | 477.5 | *79.8* | *46.4* |
| 1979 | 268.9 | 87.2 | 70.2 | 1.1 | 7.6 | 44.9 | 19.3 | 31.8 | 174.8 | 530.9 | *87.2* | *44.9* |
| 1980 | 268.1 | 73.0 | 77.2 | 0.9 | 7.5 | 44.7 | 13.6 | 29.7 | 173.6 | 514.7 | *73.1* | *44.7* |
| 1981 | 318.9 | 72.9 | 72.4 | 1.4 | 7.4 | 44.6 | 12.5 | 21.7 | 160.1 | 551.9 | *73.1* | *44.6* |
| 1982 | 333.6 | 90.6 | 64.6 | 1.2 | 9.2 | 43.4 | 9.9 | 19.5 | 147.8 | 572.0 | *91.1* | *43.4* |
| 1983 | 313.6 | 85.2 | 42.1 | 0.9 | 9.5 | 41.3 | 2.0 | 18.7 | 114.6 | 513.5 | *85.6* | *41.3* |
| 1984 | 359.4 | 89.7 | 37.6 | 0.9 | 7.9 | 43.1 | 1.2 | 24.8 | 115.5 | 564.6 | *90.0* | *43.1* |
| 1985 | 405.5 | 86.0 | 42.0 | 0.9 | 7.0 | 40.3 | 1.3 | 26.0 | 117.5 | 609.0 | *86.4* | *40.3* |
| 1986 | 336.6 | 78.4 | 38.0 | 0.8 | 7.9 | 37.8 | 1.2 | 25.2 | 111.0 | 526.0 | *78.8* | *37.8* |
| 1987 | 428.1 | 86.0 | 49.1 | 1.1 | 10.1 | 38.2 | 0.7 | 26.0 | 125.3 | 639.5 | *86.4* | *38.2* |
| 1988 | 445.7 | 86.4 | 53.0 | 1.1 | 7.6 | 39.0 | 1.6 | 26.3 | 128.5 | 660.7 | *86.7* | *39.0* |
| 1989 | 425.6 | 86.7 | 54.6 | 0.9 | 9.1 | 39.7 | 0.2 | 25.3 | 129.8 | 642.1 | *86.9* | *39.7* |
| 1990 | 459.8 | 101.3 | 54.2 | 0.8 | 4.6 | 37.3 | 0.2 | 25.7 | 122.8 | 683.9 | *101.3* | *37.3* |
| 1991 | 450.8 | 103.1 | 45.5 | 0.7 | 4.4 | 37.9 | 0.3 | 20.3 | 109.1 | 663.0 | *103.1* | *37.9* |
| 1992 | 491.3 | 130.7 | 48.2 | 0.9 | 4.3 | 39.0 | 0.1 | 20.5 | 113.0 | 735.0 | *130.7* | *39.0* |
| 1993 | 467.8 | 110.5 | 54.0 | 0.8 | 6.3 | 39.2 | 0.4 | 19.5 | 120.3 | 698.6 | *110.5* | *39.8* |
| 1994 | 490.9 | 112.3 | 52.3 | 0.8 | 5.7 | 39.6 | 0.3 | 21.5 | 120.2 | 723.3 | *112.3* | *40.2* |
| 1995 | 463.5 | 103.8 | 60.1 | 0.9 | 7.2 | 40.9 | 0.1 | 20.0 | 129.2 | 696.6 | *103.8* | *41.4* |
| 1996 | 474.1 | 107.6 | 61.5 | 0.9 | 6.0 | 41.1 | (s) | 24.1 | 133.5 | 715.1 | *107.6* | *41.2* |
| 1997 | 468.3 | 107.9 | 65.9 | 0.7 | 1.1 | 39.6 | (s) | 24.8 | 132.1 | 708.3 | *107.9* | *39.6* |
| 1998 | 516.3 | 116.5 | 64.7 | 0.7 | 0.9 | 41.1 | (s) | 22.3 | 129.7 | 762.5 | *116.5* | *41.1* |
| 1999 | 496.2 | 101.7 | 79.6 | 1.0 | 1.7 | 41.1 | 0.1 | 25.1 | 148.5 | 746.4 | *101.7* | *41.1* |
| 2000 | 506.1 | 106.0 | 73.4 | 1.6 | 4.4 | 40.6 | 0.1 | 26.3 | 146.5 | 758.6 | *106.0* | *40.6* |
| 2001 | 499.8 | 104.0 | 81.7 | 1.9 | 4.5 | 42.2 | 0.4 | 30.8 | 161.5 | 765.3 | *104.0* | *42.2* |
| 2002 | 480.4 | 117.4 | 80.5 | 1.2 | 4.0 | 41.9 | 0.9 | 26.5 | 155.0 | 752.7 | *117.4* | *41.9* |
| 2003 | 493.9 | 120.4 | 83.3 | 0.9 | 4.0 | 41.7 | 0.9 | 31.0 | 161.8 | 776.2 | *120.4* | *41.7* |
| 2004 | 500.5 | 111.9 | 82.2 | 1.4 | 3.6 | 41.6 | 0.7 | 29.4 | 158.7 | 771.2 | *111.9* | *41.6* |
| 2005 | 490.9 | 112.9 | 82.2 | 1.2 | 4.5 | 42.2 | 0.8 | 29.7 | 160.5 | R 764.4 | *112.9* | *42.7* |
| 2006 | 489.3 | 112.9 | 94.6 | 1.7 | 4.4 | 42.9 | 0.7 | R 25.9 | R 170.1 | R 772.4 | *112.9* | *43.5* |
| 2007 | 495.0 | 146.3 | 95.1 | 2.1 | 5.3 | 43.5 | 0.5 | R 26.6 | R 173.1 | R 814.3 | *146.3* | *44.5* |
| 2008 | 500.1 | 147.1 | R 98.9 | 2.2 | 5.7 | 41.6 | 0.6 | R 27.2 | R 176.2 | R 823.5 | *147.1* | *42.8* |
| 2009 | 473.9 | 145.7 | 87.5 | 2.4 | 5.5 | 42.8 | 0.1 | 26.6 | 164.9 | 784.6 | *145.7* | *44.3* |

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming (Continued)

(Trillion Btu)

| Year | Nuclear Electric Power | Renewable Energy | | | | | | | | | Net Interstate Flow of Electricity/ Losses [j] | Net Imports of Electricity | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hydro-electric Power [e] | Biomass | | | | Geo-thermal | Solar/PV [i] | Wind | Total | | | |
| | | | Wood and Waste [f] | Fuel Ethanol [g] | Losses and Co-products [h] | Total | | | | | | | |
| 1960 | 0.0 | 6.6 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 8.2 | -10.9 | 0.0 | 141.6 |
| 1965 | 0.0 | 9.2 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 10.8 | -13.8 | 0.0 | 172.9 |
| 1970 | 0.0 | 10.6 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 12.1 | R -35.4 | 0.0 | 255.5 |
| 1971 | 0.0 | 13.7 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 15.3 | -31.7 | 0.0 | R 268.4 |
| 1972 | 0.0 | 12.2 | 1.3 | NA | NA | 1.3 | 0.0 | NA | NA | 13.5 | R -46.9 | 0.0 | R 286.8 |
| 1973 | 0.0 | 12.6 | 1.5 | NA | NA | 1.5 | 0.0 | NA | NA | 14.0 | -65.2 | 0.0 | 283.5 |
| 1974 | 0.0 | 14.7 | 1.5 | NA | NA | 1.5 | 0.0 | NA | NA | 16.2 | -66.3 | 0.0 | R 278.8 |
| 1975 | 0.0 | 11.7 | 1.6 | NA | NA | 1.6 | 0.0 | NA | NA | 13.2 | R -75.0 | 0.0 | R 277.3 |
| 1976 | 0.0 | 10.8 | 1.7 | NA | NA | 1.7 | 0.0 | NA | NA | 12.5 | R -113.1 | 0.0 | R 300.2 |
| 1977 | 0.0 | 8.0 | 2.0 | NA | NA | 2.0 | 0.0 | NA | NA | 9.9 | R -147.0 | 0.0 | R 325.2 |
| 1978 | 0.0 | 10.2 | 2.6 | NA | NA | 2.6 | 0.0 | NA | NA | 12.8 | R -135.6 | 0.0 | R 354.7 |
| 1979 | 0.0 | 10.9 | 3.0 | NA | NA | 3.0 | 0.0 | NA | NA | 13.9 | R -166.5 | 0.0 | R 378.3 |
| 1980 | 0.0 | 11.5 | 2.7 | NA | NA | 2.7 | 0.0 | NA | NA | 14.2 | R -166.6 | 0.0 | R 362.3 |
| 1981 | 0.0 | 8.8 | 3.3 | (s) | 0.0 | 3.3 | 0.0 | NA | NA | 12.1 | R -211.2 | 0.0 | R 352.8 |
| 1982 | 0.0 | 8.9 | 3.4 | (s) | 0.0 | 3.4 | 0.0 | NA | NA | 12.2 | R -220.9 | 0.0 | R 363.4 |
| 1983 | 0.0 | 12.1 | 3.7 | (s) | 0.0 | 3.7 | 0.0 | NA | (s) | 15.8 | R -200.1 | 0.0 | R 329.1 |
| 1984 | 0.0 | 13.4 | 3.7 | (s) | 0.0 | 3.7 | 0.0 | 0.0 | (s) | 17.2 | R -230.4 | 0.0 | R 351.4 |
| 1985 | 0.0 | 11.2 | 3.8 | (s) | 0.0 | 3.8 | 0.0 | 0.0 | (s) | 15.0 | R -266.7 | 0.0 | R 357.3 |
| 1986 | 0.0 | 11.9 | 4.3 | (s) | 0.0 | 4.3 | 0.0 | 0.0 | (s) | 16.2 | R -206.3 | 0.0 | R 335.9 |
| 1987 | 0.0 | 8.0 | 3.1 | (s) | 0.0 | 3.1 | 0.0 | 0.0 | (s) | 11.1 | R -286.9 | 0.0 | R 363.7 |
| 1988 | 0.0 | 8.1 | 3.3 | (s) | 0.0 | 3.3 | 0.0 | 0.0 | (s) | 11.4 | R -301.4 | 0.0 | R 370.6 |
| 1989 | 0.0 | 7.1 | 2.7 | (s) | 0.0 | 2.7 | 0.6 | (s) | (s) | 10.5 | R -270.4 | 0.0 | R 382.2 |
| 1990 | 0.0 | 6.7 | 2.1 | 0.1 | 0.0 | 2.2 | 0.6 | (s) | 0.0 | 9.5 | R -291.0 | 0.0 | R 402.4 |
| 1991 | 0.0 | 7.7 | 2.2 | 0.3 | 0.0 | R 2.4 | 0.6 | (s) | 0.0 | 10.8 | R -282.8 | 0.0 | R 390.9 |
| 1992 | 0.0 | 6.6 | 1.6 | 0.5 | 0.0 | R 2.0 | 0.6 | (s) | 0.0 | 9.3 | R -321.7 | 0.0 | R 422.6 |
| 1993 | 0.0 | 8.1 | 1.4 | 0.5 | 0.0 | 2.0 | 0.6 | (s) | 0.0 | R 10.7 | R -300.9 | 0.0 | R 408.4 |
| 1994 | 0.0 | 9.3 | 1.7 | 0.6 | 0.1 | R 2.4 | 0.6 | (s) | 0.0 | 12.4 | R -326.5 | 0.0 | R 409.1 |
| 1995 | 0.0 | 8.2 | 1.5 | 0.5 | 0.1 | 2.1 | 0.6 | (s) | 0.0 | 11.0 | R -303.0 | 0.0 | R 404.6 |
| 1996 | 0.0 | 12.7 | 1.3 | 0.2 | 0.1 | 1.5 | 0.6 | (s) | 0.0 | 14.9 | R -312.8 | 0.0 | R 417.2 |
| 1997 | 0.0 | 14.1 | 1.4 | (s) | 0.1 | 1.5 | 0.6 | (s) | 0.0 | 16.3 | R -307.6 | 0.0 | R 417.0 |
| 1998 | 0.0 | 13.7 | 1.2 | 0.0 | 0.1 | 1.4 | 0.6 | (s) | (s) | 15.7 | R -355.7 | 0.0 | R 422.5 |
| 1999 | 0.0 | 12.0 | 1.3 | 0.0 | 0.1 | 1.4 | 0.7 | (s) | 0.1 | 14.2 | R -332.8 | 0.0 | R 427.7 |
| 2000 | 0.0 | 10.3 | 1.4 | 0.0 | 0.2 | 1.5 | 0.7 | (s) | 2.5 | 15.0 | R -342.4 | 0.0 | R 431.3 |
| 2001 | 0.0 | 9.1 | 0.9 | 0.0 | 0.2 | 1.1 | 0.7 | (s) | 3.8 | 14.7 | R -338.1 | 0.0 | R 441.8 |
| 2002 | 0.0 | 5.9 | 0.9 | 0.0 | 0.3 | 1.1 | 0.7 | (s) | 4.6 | 12.3 | R -321.0 | 0.1 | R 444.1 |
| 2003 | 0.0 | 6.1 | 0.9 | 0.0 | 0.3 | 1.2 | 0.7 | (s) | 3.8 | R 11.7 | R -328.4 | 0.1 | R 459.6 |
| 2004 | 0.0 | 5.9 | 0.9 | 0.0 | 0.3 | 1.2 | 0.7 | (s) | 6.2 | 14.0 | R -331.5 | -0.2 | R 453.5 |
| 2005 | 0.0 | 8.1 | R 2.4 | 0.6 | 0.3 | R 3.3 | 0.7 | (s) | 7.2 | R 19.3 | R -320.9 | -0.3 | R 462.4 |
| 2006 | 0.0 | 8.4 | R 2.1 | 0.6 | 0.3 | R 3.0 | 0.7 | (s) | 7.5 | R 19.6 | R -311.4 | -0.2 | R 480.3 |
| 2007 | 0.0 | 7.2 | R 2.3 | 1.0 | 0.3 | R 3.6 | 0.6 | (s) | 7.5 | R 18.9 | R -309.7 | -0.2 | R 523.4 |
| 2008 | 0.0 | 8.2 | R 2.5 | 1.2 | 0.4 | R 4.0 | 0.6 | (s) | 9.5 | R 22.3 | R -305.2 | -0.1 | R 540.5 |
| 2009 | 0.0 | 9.4 | 2.4 | 1.5 | 0.4 | 4.2 | 0.6 | (s) | 21.7 | 36.0 | -300.1 | -0.1 | 520.3 |

[e] Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
[f] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[g] Excludes denaturant.
[h] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy.
[j] Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year.

NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Other [e] | Petroleum: Total | Hydro-electric Power [f,g] | Biomass: Wood and Waste [g,h] | Biomass: Losses and Co-products [i] | Geo-thermal [g] | Solar/PV [g,j] | Retail Electricity Sales | Net Energy [g,k] | Electrical System Energy Losses [l] | Total [g,k] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | Million Kilowatt-hours | | | | | Million Kilowatt-hours | | | |
| 1960 | 178 | 50 | 3,272 | 56 | 1,114 | 4,431 | 1,743 | 2,874 | 13,491 | 0 | – – | – – | – – | – – | 719 | – – | – – | – – |
| 1965 | 167 | 59 | 3,677 | 74 | 1,171 | 4,739 | 2,155 | 3,550 | 15,367 | 0 | – – | – – | – – | – – | 2,321 | – – | – – | – – |
| 1970 | 231 | 108 | 5,045 | 128 | 1,848 | 5,900 | 1,476 | 4,137 | 18,534 | 0 | – – | – – | – – | – – | 3,156 | – – | – – | – – |
| 1975 | 690 | 87 | 7,650 | 124 | 1,815 | 7,354 | 1,964 | 4,296 | 23,203 | 0 | – – | – – | – – | – – | 4,584 | – – | – – | – – |
| 1980 | 1,710 | 69 | 13,124 | 162 | 2,030 | 8,501 | 2,171 | 4,848 | 30,836 | 0 | – – | – – | – – | – – | 7,169 | – – | – – | – – |
| 1985 | 1,982 | 82 | 7,073 | 154 | 1,942 | 7,671 | 211 | 4,087 | 21,137 | 0 | – – | – – | – – | – – | 10,348 | – – | – – | – – |
| 1990 | 1,987 | 92 | 9,209 | 143 | 1,263 | 7,105 | 39 | 4,168 | 21,927 | 0 | – – | – – | – – | – – | 11,769 | – – | – – | – – |
| 1995 | 2,083 | 98 | 10,195 | 160 | 1,979 | 7,936 | 20 | 3,274 | 23,565 | 0 | – – | – – | – – | – – | 11,199 | – – | – – | – – |
| 2000 | 2,050 | 99 | 12,534 | 286 | 1,217 | 7,799 | 23 | 4,263 | 26,122 | 0 | – – | – – | – – | – – | 12,368 | – – | – – | – – |
| 2001 | 1,799 | 96 | 13,954 | 331 | 1,238 | 8,102 | 68 | 5,140 | 28,832 | 0 | – – | – – | – – | – – | 12,950 | – – | – – | – – |
| 2002 | 1,629 | 109 | 13,738 | 210 | 1,114 | 8,041 | 151 | 4,486 | 27,741 | 0 | – – | – – | – – | – – | 12,874 | – – | – – | – – |
| 2003 | 1,715 | 113 | 14,223 | 166 | 1,093 | 8,009 | 143 | 5,196 | 28,830 | 0 | – – | – – | – – | – – | 13,254 | – – | – – | – – |
| 2004 | 1,728 | 107 | 14,021 | 242 | 993 | 7,968 | 107 | 4,969 | 28,299 | 0 | – – | – – | – – | – – | 13,540 | – – | – – | – – |
| 2005 | 1,666 | 108 | 14,035 | 204 | 1,241 | 8,187 | 133 | 5,029 | 28,828 | 0 | – – | – – | – – | – – | 14,138 | – – | – – | – – |
| 2006 | 1,736 | 108 | 16,150 | 292 | 1,212 | 8,329 | 111 | 4,382 | 30,476 | 0 | – – | – – | – – | – – | 14,947 | – – | – – | – – |
| 2007 | 1,796 | 139 | 16,244 | 378 | 1,469 | 8,523 | 76 | 4,462 | 31,153 | 0 | – – | – – | – – | – – | 15,536 | – – | – – | – – |
| 2008 | 1,787 | 142 | 16,905 | 393 | 1,595 | 8,208 | 92 | 4,528 | 31,720 | 0 | – – | – – | – – | – – | 16,690 | – – | – – | – – |
| 2009 | 1,578 | 140 | 14,925 | 431 | 1,539 | 8,498 | 24 | 4,430 | 29,846 | 0 | – – | – – | – – | – – | 16,562 | – – | – – | – – |
| | | | | | | | | | Trillion Btu | | | | | | | | | |
| 1960 | 3.7 | 52.1 | 19.1 | 0.3 | 4.5 | 23.3 | 11.0 | 17.6 | 75.6 | 0.0 | 1.6 | NA | NA | NA | 2.5 | 135.5 | 6.1 | 141.6 |
| 1965 | 3.4 | 54.7 | 21.4 | 0.4 | 4.7 | 24.9 | 13.5 | 21.5 | 86.5 | 0.0 | 1.6 | NA | NA | NA | 7.9 | 154.0 | 18.9 | 172.9 |
| 1970 | 4.5 | 110.1 | 29.4 | 0.7 | 7.0 | 31.0 | 9.3 | 25.2 | 102.5 | 0.0 | 1.6 | NA | NA | NA | 10.8 | 229.4 | 26.1 | 255.5 |
| 1975 | 12.7 | 81.0 | 44.6 | 0.7 | 6.7 | 38.6 | 12.3 | 25.9 | 128.9 | 0.0 | 1.6 | NA | NA | NA | 15.6 | 239.8 | 37.5 | 277.3 |
| 1980 | 30.7 | 72.9 | 76.4 | 0.9 | 7.5 | 44.7 | 13.6 | 29.7 | 172.8 | 0.0 | 2.7 | NA | NA | NA | 24.5 | 303.5 | 58.8 | 362.3 |
| 1985 | 34.8 | 86.2 | 41.2 | 0.9 | 7.0 | 40.3 | 1.3 | 26.0 | 116.7 | 0.0 | 3.8 | 0.0 | NA | NA | 35.3 | 276.4 | 80.9 | 357.3 |
| 1990 | 43.8 | 101.2 | 53.6 | 0.8 | 4.6 | 37.3 | 0.2 | 25.7 | 122.2 | 0.0 | 2.1 | 0.0 | 0.6 | (s) | 40.2 | 310.2 | 92.1 | 402.4 |
| 1995 | 45.2 | 103.7 | 59.4 | 0.9 | 7.2 | 41.4 | 0.1 | 20.0 | 129.0 | 0.0 | 1.5 | 0.1 | 0.6 | (s) | 38.2 | 318.3 | 86.3 | 404.6 |
| 2000 | 41.2 | 104.1 | 73.0 | 1.6 | 4.4 | 40.6 | 0.1 | 26.3 | 146.1 | 0.0 | 1.4 | 0.2 | 0.7 | (s) | 42.2 | 335.8 | 95.4 | 431.3 |
| 2001 | 35.6 | 101.2 | 81.3 | 1.9 | 4.5 | 42.2 | 0.4 | 30.8 | 161.1 | 0.0 | 0.9 | 0.2 | 0.7 | (s) | 44.2 | 343.9 | 97.9 | 441.8 |
| 2002 | 32.6 | 113.9 | 80.0 | 1.2 | 4.0 | 41.9 | 0.9 | 26.5 | 154.5 | 0.0 | 0.9 | 0.3 | 0.7 | (s) | 43.9 | 346.8 | 97.3 | 444.1 |
| 2003 | 33.8 | 118.1 | 82.9 | 0.9 | 4.0 | 41.7 | 0.9 | 31.0 | 161.4 | 0.0 | 0.9 | 0.3 | 0.7 | (s) | 45.2 | 360.4 | 99.2 | 459.6 |
| 2004 | 34.2 | 111.4 | 81.7 | 1.4 | 3.6 | 41.6 | 0.7 | 29.4 | 158.2 | 0.0 | 0.9 | 0.3 | 0.7 | (s) | 46.2 | 351.9 | 101.6 | 453.5 |
| 2005 | 32.8 | 112.3 | 81.8 | 1.2 | 4.5 | 42.7 | 0.8 | 29.7 | 160.7 | 0.0 | 2.4 | 0.3 | 0.7 | (s) | 48.2 | 357.5 | 104.9 | 462.4 |
| 2006 | 34.3 | 112.1 | 94.1 | 1.7 | 4.4 | 43.5 | 0.7 | 25.9 | 170.2 | 0.0 | 2.1 | 0.3 | 0.7 | (s) | 51.0 | 370.7 | 109.6 | 480.3 |
| 2007 | 35.5 | 144.3 | 94.6 | 2.1 | 5.3 | 44.5 | 0.5 | 26.6 | 173.6 | 0.0 | 2.3 | 0.3 | 0.6 | (s) | 53.0 | 409.7 | 113.7 | 523.4 |
| 2008 | 35.2 | 146.1 | 98.5 | 2.2 | 5.7 | 42.8 | 0.6 | 27.2 | 177.0 | 0.0 | 2.5 | 0.4 | 0.6 | (s) | 56.9 | 418.6 | 121.9 | 540.5 |
| 2009 | 31.0 | 144.7 | 86.9 | 2.4 | 5.5 | 44.3 | 0.1 | 26.6 | 165.9 | 0.0 | 2.4 | 0.4 | 0.6 | (s) | 56.5 | 401.4 | 118.9 | 520.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Phyiscal unit value less than 0.5 or Btu value less than 0.05.
Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. • See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Total | Biomass: Wood [c] | Geothermal [d] | Solar/PV [d,e] | Retail Electricity Sales | Net Energy [d,f] | Electrical System Energy Losses [g] | Total [d,f] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Thousand Cords | | | Million Kilowatthours | | | |
| 1960 | 34 | 9 | 4 | 8 | 461 | 472 | 61 | – – | – – | 275 | – – | – – | – – |
| 1965 | 25 | 11 | 7 | 32 | 437 | 475 | 51 | – – | – – | 442 | – – | – – | – – |
| 1970 | 12 | 18 | 12 | 39 | 822 | 874 | 49 | – – | – – | 604 | – – | – – | – – |
| 1975 | 15 | 12 | 26 | 11 | 788 | 826 | 55 | – – | – – | 891 | – – | – – | – – |
| 1980 | 22 | 10 | 23 | 0 | 529 | 552 | 73 | – – | – – | 1,410 | – – | – – | – – |
| 1985 | 24 | 14 | 45 | 8 | 408 | 461 | 115 | – – | – – | 1,815 | – – | – – | – – |
| 1990 | 26 | 11 | 24 | 1 | 400 | 426 | 50 | – – | – – | 1,720 | – – | – – | – – |
| 1995 | 19 | 12 | 47 | 1 | 486 | 534 | 48 | – – | – – | 1,939 | – – | – – | – – |
| 1996 | 46 | 14 | 27 | 1 | 376 | 405 | 50 | – – | – – | 2,022 | – – | – – | – – |
| 1997 | 15 | 13 | 45 | 2 | 98 | 144 | 53 | – – | – – | 2,007 | – – | – – | – – |
| 1998 | 17 | 13 | 25 | 2 | 52 | 79 | 47 | – – | – – | 2,013 | – – | – – | – – |
| 1999 | 12 | 12 | 28 | 1 | 196 | 226 | 49 | – – | – – | 2,025 | – – | – – | – – |
| 2000 | 15 | 12 | 26 | 1 | 416 | 444 | 53 | – – | – – | 2,103 | – – | – – | – – |
| 2001 | 15 | 11 | 25 | 2 | 582 | 609 | 28 | – – | – – | 2,146 | – – | – – | – – |
| 2002 | 11 | 13 | 30 | 1 | 573 | 604 | 29 | – – | – – | 2,232 | – – | – – | – – |
| 2003 | 13 | 12 | 28 | 1 | 528 | 558 | 30 | – – | – – | 2,286 | – – | – – | – – |
| 2004 | 10 | 12 | 34 | 1 | 548 | 583 | 31 | – – | – – | 2,262 | – – | – – | – – |
| 2005 | 6 | 12 | 31 | 1 | 604 | 636 | R 97 | – – | – – | 2,377 | – – | – – | – – |
| 2006 | 5 | 12 | 38 | 1 | 545 | 584 | R 89 | – – | – – | 2,468 | – – | – – | – – |
| 2007 | 6 | 12 | 31 | 1 | 941 | 972 | R 98 | – – | – – | 2,592 | – – | – – | – – |
| 2008 | 3 | 13 | 17 | (s) | 933 | 951 | R 102 | – – | – – | 2,719 | – – | – – | – – |
| 2009 | 3 | 13 | 24 | (s) | 1,027 | 1,051 | 98 | – – | – – | 2,720 | – – | – – | – – |
| | | | | | | | Trillion Btu | | | | | | |
| 1960 | 0.7 | 9.1 | (s) | (s) | 1.8 | 1.9 | 1.2 | NA | NA | 0.9 | 13.9 | 2.3 | 16.2 |
| 1965 | 0.5 | 9.9 | (s) | 0.2 | 1.8 | 2.0 | 1.0 | NA | NA | 1.5 | 14.9 | 3.6 | 18.5 |
| 1970 | 0.2 | 18.4 | 0.1 | 0.2 | 3.1 | 3.4 | 1.0 | NA | NA | 2.1 | 25.1 | 5.0 | 30.1 |
| 1975 | 0.3 | 11.3 | 0.2 | 0.1 | 2.9 | 3.1 | 1.1 | NA | NA | 3.0 | 18.9 | 7.3 | 26.2 |
| 1980 | 0.4 | 10.3 | 0.1 | 0.0 | 1.9 | 2.1 | 1.5 | NA | NA | 4.8 | 19.1 | 11.6 | 30.6 |
| 1985 | 0.4 | 15.1 | 0.3 | (s) | 1.5 | 1.8 | 2.3 | NA | NA | 6.2 | 25.7 | R 14.2 | R 39.8 |
| 1990 | 0.5 | 12.6 | 0.1 | (s) | 1.4 | 1.6 | 1.0 | 0.0 | (s) | 5.9 | 21.6 | R 13.5 | R 35.1 |
| 1995 | 0.3 | 12.9 | 0.3 | (s) | 1.8 | 2.0 | 1.0 | 0.0 | (s) | 6.6 | 22.9 | R 14.9 | R 37.8 |
| 1996 | 0.8 | 14.4 | 0.2 | (s) | 1.4 | 1.5 | 1.0 | 0.0 | (s) | 6.9 | 24.6 | R 15.6 | R 40.2 |
| 1997 | 0.3 | 13.9 | 0.3 | (s) | 0.4 | 0.6 | 1.1 | 0.0 | (s) | 6.8 | 22.7 | R 15.4 | R 38.1 |
| 1998 | 0.4 | 13.6 | 0.1 | (s) | 0.2 | 0.3 | 0.9 | 0.0 | (s) | 6.9 | 22.1 | R 15.5 | R 37.5 |
| 1999 | 0.3 | 12.7 | 0.2 | (s) | 0.7 | 0.9 | 1.0 | (s) | (s) | 6.9 | 21.8 | R 15.7 | R 37.5 |
| 2000 | 0.3 | 12.7 | 0.2 | (s) | 1.5 | 1.7 | 1.1 | (s) | (s) | 7.2 | 22.9 | R 16.2 | R 39.2 |
| 2001 | 0.3 | 11.6 | 0.1 | (s) | 2.1 | 2.3 | 0.6 | (s) | (s) | 7.3 | 22.0 | R 16.2 | R 38.2 |
| 2002 | 0.2 | 13.9 | 0.2 | (s) | 2.1 | 2.3 | 0.6 | (s) | (s) | 7.6 | 24.6 | R 16.9 | R 41.4 |
| 2003 | 0.2 | 12.7 | 0.2 | (s) | 1.9 | 2.1 | 0.6 | (s) | (s) | 7.8 | 23.4 | R 17.1 | R 40.6 |
| 2004 | 0.2 | 12.6 | 0.2 | (s) | 2.0 | 2.2 | 0.6 | (s) | (s) | 7.7 | 23.4 | R 17.0 | R 40.3 |
| 2005 | 0.1 | 12.2 | 0.2 | (s) | 2.2 | 2.4 | R 1.9 | (s) | (s) | 8.1 | R 24.7 | R 17.6 | R 42.3 |
| 2006 | 0.1 | 12.2 | 0.2 | (s) | 2.0 | 2.2 | R 1.8 | (s) | (s) | 8.4 | R 24.6 | R 18.1 | R 42.7 |
| 2007 | 0.1 | 12.9 | 0.2 | (s) | 3.4 | 3.6 | R 2.0 | (s) | (s) | 8.8 | R 27.3 | R 19.0 | R 46.3 |
| 2008 | 0.1 | 13.7 | 0.1 | (s) | 3.4 | 3.5 | R 2.0 | (s) | (s) | 9.3 | R 28.6 | R 19.9 | R 48.5 |
| 2009 | 0.1 | 13.1 | 0.1 | (s) | 3.7 | 3.8 | 2.0 | 0.1 | (s) | 9.3 | 28.2 | 19.5 | 47.7 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Wood and wood-derived fuels.
[d] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[e] Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.
[f] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: Kerosene | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Total [d] | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Geothermal [f] | Retail Electricity Sales | Net Energy [f,h] | Electrical System Energy Losses [i] | Total [f,h] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million Kilowatthours | | | Million Kilowatthours | | | |
| 1960 | 23 | 5 | 9 | 29 | 199 | 73 | 37 | 347 | NA | – – | – – | 174 | – – | – – | – – |
| 1965 | 19 | 8 | 16 | 119 | 189 | 73 | 40 | 437 | NA | – – | – – | 594 | – – | – – | – – |
| 1970 | 9 | 14 | 30 | 147 | 356 | 85 | 48 | 666 | NA | – – | – – | 657 | – – | – – | – – |
| 1975 | 35 | 10 | 63 | 43 | 341 | 72 | 83 | 602 | NA | – – | – – | 775 | – – | – – | – – |
| 1980 | 83 | 5 | 428 | 23 | 229 | 103 | 27 | 809 | NA | – – | – – | 1,138 | – – | – – | – – |
| 1985 | 83 | 9 | 394 | 6 | 176 | 67 | 69 | 713 | NA | – – | – – | 2,321 | – – | – – | – – |
| 1990 | 104 | 8 | 218 | 1 | 173 | 74 | 1 | 467 | 0 | – – | – – | 2,319 | – – | – – | – – |
| 1995 | 127 | 10 | 265 | 2 | 210 | 8 | (s) | 485 | 0 | – – | – – | 2,443 | – – | – – | – – |
| 1996 | 336 | 10 | 264 | 1 | 163 | 36 | (s) | 465 | 0 | – – | – – | 2,562 | – – | – – | – – |
| 1997 | 125 | 11 | 219 | 1 | 42 | 8 | (s) | 271 | 0 | – – | – – | 2,568 | – – | – – | – – |
| 1998 | 142 | 10 | 148 | 2 | 23 | 8 | (s) | 180 | 0 | – – | – – | 2,678 | – – | – – | – – |
| 1999 | 92 | 10 | 364 | (s) | 85 | 8 | 0 | 457 | 0 | – – | – – | 2,693 | – – | – – | – – |
| 2000 | 123 | 10 | 401 | (s) | 180 | 8 | (s) | 589 | 0 | – – | – – | 2,945 | – – | – – | – – |
| 2001 | 124 | 10 | 415 | 1 | 252 | 47 | 0 | 715 | 0 | – – | – – | 3,104 | – – | – – | – – |
| 2002 | 83 | 10 | 283 | 1 | 248 | 118 | 0 | 649 | 0 | – – | – – | 3,189 | – – | – – | – – |
| 2003 | 87 | 10 | 152 | (s) | 286 | 148 | 0 | 586 | 0 | – – | – – | 3,282 | – – | – – | – – |
| 2004 | 92 | 10 | 102 | (s) | 275 | 240 | 0 | 617 | 0 | – – | – – | 3,393 | – – | – – | – – |
| 2005 | 64 | 9 | 95 | (s) | 338 | 306 | 0 | 740 | 0 | – – | – – | 3,754 | – – | – – | – – |
| 2006 | 47 | 9 | 93 | 1 | 222 | 348 | 0 | 663 | 0 | – – | – – | 4,117 | – – | – – | – – |
| 2007 | 53 | 9 | 87 | (s) | 216 | 429 | 0 | 732 | 0 | – – | – – | 4,214 | – – | – – | – – |
| 2008 | 23 | 10 | R 109 | (s) | 387 | 336 | 0 | R 832 | 0 | – – | – – | 4,411 | – – | – – | – – |
| 2009 | 23 | 10 | 154 | 1 | 411 | 294 | 0 | 860 | 0 | – – | – – | 4,288 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 0.5 | 5.1 | 0.1 | 0.2 | 0.8 | 0.4 | 0.2 | 1.6 | NA | (s) | NA | 0.6 | 7.8 | 1.5 | 9.3 |
| 1965 | 0.4 | 7.4 | 0.1 | 0.7 | 0.8 | 0.4 | 0.2 | 2.2 | NA | (s) | NA | 2.0 | 12.0 | 4.8 | 16.9 |
| 1970 | 0.2 | 14.3 | 0.2 | 0.8 | 1.3 | 0.4 | 0.3 | 3.1 | NA | (s) | NA | 2.2 | 19.9 | 5.4 | 25.3 |
| 1975 | 0.6 | 9.6 | 0.4 | 0.2 | 1.3 | 0.4 | 0.5 | 2.8 | NA | (s) | NA | 2.6 | 15.7 | R 6.3 | 22.0 |
| 1980 | 1.5 | 5.3 | 2.5 | 0.1 | 0.8 | 0.5 | 0.2 | 4.2 | NA | (s) | NA | 3.9 | 14.8 | R 9.3 | 24.2 |
| 1985 | 1.4 | 9.6 | 2.3 | (s) | 0.6 | 0.4 | 0.4 | 3.8 | NA | 0.1 | NA | 7.9 | 22.7 | R 18.1 | R 40.8 |
| 1990 | 2.1 | 9.3 | 1.3 | (s) | 0.6 | 0.4 | (s) | 2.3 | 0.0 | 0.1 | 0.6 | 7.9 | 22.3 | R 18.2 | R 40.5 |
| 1995 | 2.3 | 10.5 | 1.5 | (s) | 0.8 | (s) | (s) | 2.4 | 0.0 | 0.1 | 0.6 | 8.3 | 24.2 | R 18.8 | R 43.0 |
| 1996 | 6.1 | 10.3 | 1.5 | (s) | 0.6 | 0.2 | (s) | 2.3 | 0.0 | 0.1 | 0.6 | 8.7 | 28.2 | R 19.8 | R 48.0 |
| 1997 | 2.3 | 11.5 | 1.3 | (s) | 0.2 | (s) | (s) | 1.5 | 0.0 | 0.2 | 0.6 | 8.8 | 24.8 | R 19.7 | R 44.5 |
| 1998 | 2.9 | 11.1 | 0.9 | (s) | 0.1 | (s) | (s) | 1.0 | 0.0 | 0.2 | 0.6 | 9.1 | 24.9 | R 20.6 | R 45.5 |
| 1999 | 1.8 | 10.3 | 2.1 | (s) | 0.3 | (s) | 0.0 | 2.5 | 0.0 | 0.2 | 0.6 | 9.2 | 24.7 | R 20.9 | R 45.5 |
| 2000 | 2.5 | 10.2 | 2.3 | (s) | 0.6 | (s) | (s) | 3.0 | 0.0 | 0.2 | 0.6 | 10.0 | 26.6 | R 22.7 | R 49.3 |
| 2001 | 2.2 | 10.1 | 2.4 | (s) | 0.9 | 0.2 | 0.0 | 3.6 | 0.0 | 0.1 | 0.6 | 10.6 | 27.2 | R 23.5 | R 50.6 |
| 2002 | 1.5 | 10.9 | 1.6 | (s) | 0.9 | 0.6 | 0.0 | 3.2 | 0.0 | 0.1 | 0.7 | 10.9 | 27.2 | R 24.1 | R 51.3 |
| 2003 | 1.6 | 10.4 | 0.9 | (s) | 1.0 | 0.8 | 0.0 | 2.7 | 0.0 | 0.1 | 0.7 | 11.2 | 26.7 | R 24.6 | R 51.3 |
| 2004 | 1.6 | 10.4 | 0.6 | (s) | 1.0 | 1.2 | 0.0 | 2.8 | 0.0 | 0.1 | 0.7 | 11.6 | 27.2 | R 25.5 | R 52.7 |
| 2005 | 1.1 | 9.6 | 0.6 | (s) | 1.2 | 1.6 | 0.0 | 3.4 | 0.0 | R 0.3 | 0.7 | 12.8 | R 27.9 | R 27.9 | 55.8 |
| 2006 | 0.8 | 9.9 | 0.5 | (s) | 0.8 | 1.8 | 0.0 | 3.2 | 0.0 | R 0.3 | 0.7 | 14.0 | R 28.9 | R 30.2 | R 59.1 |
| 2007 | 0.9 | 9.8 | 0.5 | (s) | 0.8 | 2.2 | 0.0 | 3.5 | 0.0 | R 0.3 | 0.6 | 14.4 | R 29.6 | R 30.8 | R 60.4 |
| 2008 | 0.5 | 10.5 | 0.6 | (s) | 1.4 | 1.8 | 0.0 | 3.8 | 0.0 | R 0.3 | 0.4 | 15.1 | R 30.6 | R 32.2 | R 62.8 |
| 2009 | 0.5 | 10.7 | 0.9 | (s) | 1.5 | 1.5 | 0.0 | 3.9 | 0.0 | 0.3 | 0.5 | 14.6 | 30.5 | 30.8 | 61.3 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Distillate Fuel Oil | Petroleum: LPG [b] | Petroleum: Motor Gasoline [c] | Petroleum: Residual Fuel Oil | Petroleum: Other [d] | Petroleum: Total | Hydro-electric Power [e,f] | Biomass: Wood and Waste [f,g] | Biomass: Losses and Co-products [h] | Geo-thermal [f] | Retail Electricity Sales | Net Energy [f,i] | Electrical System Energy Losses [j] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | Million kWh | | | | Million kWh | | | |
| 1960 | 119 | 35 | 1,458 | 384 | 320 | 756 | 2,615 | 5,534 | 0 | – – | – – | – – | 270 | – – | – – | – – |
| 1965 | 124 | 38 | 1,790 | 496 | 510 | 942 | 3,102 | 6,841 | 0 | – – | – – | – – | 1,285 | – – | – – | – – |
| 1970 | 210 | 70 | 1,931 | 578 | 552 | 960 | 3,610 | 7,631 | 0 | – – | – – | – – | 1,896 | – – | – – | – – |
| 1975 | 640 | 59 | 3,596 | 569 | 591 | 1,881 | 3,915 | 10,552 | 0 | – – | – – | – – | 2,918 | – – | – – | – – |
| 1980 | 1,605 | 48 | 6,255 | 1,199 | 365 | 2,144 | 4,566 | 14,529 | 0 | – – | – – | – – | 4,621 | – – | – – | – – |
| 1985 | 1,875 | 54 | 2,463 | 1,312 | 530 | 142 | 3,884 | 8,331 | 0 | – – | – – | – – | 6,212 | – – | – – | – – |
| 1990 | 1,857 | 67 | 2,296 | 663 | 417 | 39 | 3,977 | 7,391 | 0 | – – | – – | – – | 7,729 | – – | – – | – – |
| 1995 | 1,937 | 68 | 1,898 | 1,265 | 443 | 20 | 2,946 | 6,572 | 0 | – – | – – | – – | 6,817 | – – | – – | – – |
| 1996 | 1,835 | 70 | 2,281 | 1,095 | 451 | 6 | 3,606 | 7,439 | 0 | – – | – – | – – | 6,891 | – – | – – | – – |
| 1997 | 1,959 | 67 | 2,811 | 160 | 470 | 4 | 3,749 | 7,195 | 0 | – – | – – | – – | 7,211 | – – | – – | – – |
| 1998 | 1,939 | 74 | 2,840 | 154 | 249 | 6 | 3,333 | 6,581 | 0 | – – | – – | – – | 6,950 | – – | – – | – – |
| 1999 | 1,934 | 61 | 3,219 | 195 | 237 | 8 | 3,691 | 7,349 | 0 | – – | – – | – – | 7,065 | – – | – – | – – |
| 2000 | 1,913 | 63 | 3,370 | 611 | 240 | 23 | 3,826 | 8,070 | 0 | – – | – – | – – | 7,321 | – – | – – | – – |
| 2001 | 1,660 | 62 | 4,341 | 400 | 426 | 68 | 4,784 | 10,018 | 0 | – – | – – | – – | 7,700 | – – | – – | – – |
| 2002 | 1,535 | 72 | 4,138 | 291 | 451 | 151 | 4,101 | 9,132 | 0 | – – | – – | – – | 7,453 | – – | – – | – – |
| 2003 | 1,614 | 76 | 3,218 | 272 | 477 | 143 | 4,847 | 8,956 | 0 | – – | – – | – – | 7,685 | – – | – – | – – |
| 2004 | 1,627 | 72 | 3,360 | 149 | 532 | 107 | 4,620 | 8,769 | 0 | – – | – – | – – | 7,884 | – – | – – | – – |
| 2005 | 1,597 | 73 | 3,133 | 291 | 492 | 133 | 4,648 | 8,696 | 0 | – – | – – | – – | 8,007 | – – | – – | – – |
| 2006 | 1,685 | 73 | 4,736 | 438 | 513 | 111 | R 4,001 | R 9,800 | 0 | – – | – – | – – | 8,362 | – – | – – | – – |
| 2007 | 1,738 | 102 | 4,609 | 305 | 315 | 76 | R 4,137 | R 9,443 | 0 | – – | – – | – – | 8,730 | – – | – – | – – |
| 2008 | 1,762 | 101 | R 5,177 | R 238 | 282 | 92 | R 4,157 | R 9,945 | 0 | – – | – – | – – | 9,560 | – – | – – | – – |
| 2009 | 1,553 | 99 | 4,977 | 94 | 280 | 24 | 4,087 | 9,462 | 0 | – – | – – | – – | 9,554 | – – | – – | – – |
| | | | | | | | | Trillion Btu | | | | | | | | |
| 1960 | 2.4 | 36.1 | 8.5 | 1.5 | 1.7 | 4.8 | 16.1 | 32.6 | 0.0 | 0.4 | NA | NA | 0.9 | 72.5 | 2.3 | 74.8 |
| 1965 | 2.5 | 35.2 | 10.4 | 2.0 | 2.7 | 5.9 | 19.1 | 40.1 | 0.0 | 0.5 | NA | NA | 4.4 | 82.7 | 10.5 | 93.2 |
| 1970 | 4.0 | 71.3 | 11.2 | 2.2 | 2.9 | 6.0 | 22.3 | 44.7 | 0.0 | 0.6 | NA | NA | 6.5 | 127.1 | 15.7 | 142.7 |
| 1975 | 11.8 | 55.2 | 20.9 | 2.1 | 3.1 | 11.8 | 23.9 | 61.8 | 0.0 | 0.4 | NA | NA | 10.0 | 139.2 | 23.9 | 163.1 |
| 1980 | 28.8 | 51.1 | 36.4 | 4.4 | 1.9 | 13.5 | 28.1 | 84.4 | 0.0 | 1.2 | NA | NA | 15.8 | 181.2 | R 37.9 | R 219.1 |
| 1985 | 32.9 | 56.3 | 14.3 | 4.7 | 2.8 | 0.9 | 24.8 | 47.6 | 0.0 | 1.5 | 0.0 | NA | 21.2 | 159.3 | R 48.5 | R 207.8 |
| 1990 | 41.2 | 73.8 | 13.4 | 2.4 | 2.2 | 0.2 | 24.5 | 42.7 | 0.0 | 1.0 | 0.0 | (s) | 26.4 | 185.1 | R 60.5 | R 245.6 |
| 1995 | 42.5 | 72.6 | 11.1 | 4.6 | 2.3 | 0.1 | 18.2 | 36.3 | 0.0 | 0.4 | 0.1 | (s) | 23.3 | 175.2 | R 52.5 | R 227.7 |
| 1996 | 40.2 | 74.2 | 13.3 | 4.0 | 2.4 | (s) | 22.1 | 41.8 | 0.0 | 0.2 | 0.1 | (s) | 23.5 | 179.9 | R 53.1 | R 233.0 |
| 1997 | 42.3 | 71.2 | 16.4 | 0.6 | 2.5 | (s) | 23.1 | 42.5 | 0.0 | 0.2 | 0.1 | (s) | 24.6 | 180.9 | R 55.4 | R 236.3 |
| 1998 | 42.5 | 79.2 | 16.5 | 0.6 | 1.3 | (s) | 20.6 | 39.0 | 0.0 | 0.1 | 0.1 | (s) | 23.7 | 184.8 | R 53.4 | R 238.2 |
| 1999 | 42.4 | 64.0 | 18.8 | 0.7 | 1.2 | 0.1 | 22.9 | 43.7 | 0.0 | 0.1 | 0.1 | (s) | 24.1 | 174.5 | R 54.8 | R 229.3 |
| 2000 | 38.5 | 66.4 | 19.6 | 2.2 | 1.3 | 0.1 | 23.9 | 47.2 | 0.0 | 0.1 | 0.2 | (s) | 25.0 | 177.3 | R 56.5 | R 233.8 |
| 2001 | 33.2 | 65.6 | 25.3 | 1.4 | 2.2 | 0.4 | 28.9 | 58.2 | 0.0 | 0.3 | 0.2 | (s) | 26.3 | 183.8 | R 58.2 | R 242.0 |
| 2002 | 30.9 | 75.4 | 24.1 | 1.1 | 2.3 | 0.9 | 24.4 | 52.8 | 0.0 | 0.2 | 0.3 | (s) | 25.4 | 185.1 | R 56.4 | R 241.4 |
| 2003 | 32.0 | 80.0 | 18.7 | 1.0 | 2.5 | 0.9 | 29.1 | 52.2 | 0.0 | 0.2 | 0.3 | (s) | 26.2 | R 190.9 | R 57.5 | R 248.5 |
| 2004 | 32.4 | 75.2 | 19.6 | 0.5 | 2.8 | 0.7 | 27.5 | 51.0 | 0.0 | 0.2 | 0.3 | (s) | 26.9 | 186.0 | R 59.2 | R 245.2 |
| 2005 | 31.6 | 75.8 | 18.2 | 1.1 | 2.6 | 0.8 | 27.6 | 50.3 | 0.0 | 0.2 | 0.3 | (s) | 27.3 | 185.5 | R 59.4 | R 244.9 |
| 2006 | 33.4 | 75.6 | 27.6 | 1.6 | 2.7 | 0.7 | R 23.8 | R 56.4 | 0.0 | R 0.1 | 0.3 | (s) | 28.5 | R 194.3 | R 61.3 | R 255.7 |
| 2007 | 34.5 | 106.4 | 26.8 | 1.1 | 1.6 | 0.5 | R 24.8 | R 54.8 | 0.0 | R 0.1 | 0.3 | (s) | 29.8 | R 225.9 | R 63.9 | R 289.8 |
| 2008 | 34.6 | 104.2 | R 30.2 | 0.9 | 1.5 | 0.6 | R 25.2 | R 58.2 | 0.0 | R 0.1 | 0.4 | 0.1 | 32.6 | R 230.2 | R 69.8 | R 300.0 |
| 2009 | 30.5 | 102.3 | 29.0 | 0.3 | 1.5 | 0.1 | 24.7 | 55.7 | 0.0 | 0.1 | 0.4 | 0.1 | 32.6 | 221.6 | 68.6 | 290.2 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Liquefied petroleum gases.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Includes asphalt and road oil, kerosene, lubricants, and the 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of fuel ethanol.
[i] From 1981 through 1992, includes fuel ethanol blended into motor gasoline but not shown in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Aviation Gasoline | Petroleum: Distillate Fuel Oil | Petroleum: Jet Fuel [b] | Petroleum: LPG [c] | Petroleum: Lubricants | Petroleum: Motor Gasoline [d] | Petroleum: Residual Fuel Oil | Petroleum: Total | Retail Electricity Sales | Net Energy [f,g] | Electrical System Energy Losses [h] | Total [f,g] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | | | | | Million Kilowatthours | | | |
| 1960 | 2 | 2 | 132 | 1,801 | 56 | 70 | 91 | 4,038 | 951 | 7,138 | 0 | – – | – – | – – |
| 1965 | (s) | 2 | 217 | 1,864 | 74 | 49 | 81 | 4,157 | 1,173 | 7,615 | 0 | – – | – – | – – |
| 1970 | (s) | 6 | 256 | 3,072 | 128 | 91 | 85 | 5,262 | 469 | 9,363 | 0 | – – | – – | – – |
| 1975 | (s) | 5 | 218 | 3,965 | 124 | 116 | 108 | 6,691 | 0 | 11,223 | 0 | – – | – – | – – |
| 1980 | 0 | 6 | 108 | 6,419 | 162 | 73 | 151 | 8,034 | 0 | 14,946 | 0 | – – | – – | – – |
| 1985 | 0 | 5 | 51 | 4,172 | 154 | 45 | 137 | 7,073 | (s) | 11,632 | 0 | – – | – – | – – |
| 1990 | 0 | 5 | 35 | 6,671 | 143 | 27 | 154 | 6,613 | 0 | 13,643 | 0 | – – | – – | – – |
| 1995 | 0 | 7 | 179 | 7,985 | 160 | 17 | 147 | 7,486 | 0 | 15,974 | 0 | – – | – – | – – |
| 1996 | 0 | 8 | 213 | 7,869 | 151 | 16 | 143 | 7,418 | 0 | 15,810 | 0 | – – | – – | – – |
| 1997 | 0 | 10 | 151 | 8,126 | 121 | 8 | 151 | 7,125 | 0 | 15,683 | 0 | – – | – – | – – |
| 1998 | 0 | 12 | 151 | 8,010 | 116 | 25 | 158 | 7,631 | 0 | 16,090 | 0 | – – | – – | – – |
| 1999 | 0 | 14 | 234 | 9,971 | 174 | 4 | 160 | 7,634 | 0 | 18,177 | 0 | – – | – – | – – |
| 2000 | 0 | 14 | 277 | 8,737 | 286 | 10 | 157 | 7,551 | 0 | 17,019 | 0 | – – | – – | – – |
| 2001 | 0 | 13 | 209 | 9,173 | 331 | 4 | 144 | 7,629 | 0 | 17,490 | 0 | – – | – – | – – |
| 2002 | 0 | 13 | 241 | 9,287 | 210 | 3 | 142 | 7,473 | 0 | 17,356 | 0 | – – | – – | – – |
| 2003 | 0 | 14 | 216 | 10,825 | 166 | 6 | 132 | 7,384 | 0 | 18,729 | 0 | – – | – – | – – |
| 2004 | 0 | 13 | 215 | 10,524 | 242 | 21 | 133 | 7,196 | 0 | 18,331 | 0 | – – | – – | – – |
| 2005 | 0 | 14 | 248 | 10,776 | 204 | 7 | 133 | 7,389 | 0 | 18,756 | 0 | – – | – – | – – |
| 2006 | 0 | 14 | 250 | 11,283 | 292 | 6 | 129 | 7,468 | 0 | 19,429 | 0 | – – | – – | – – |
| 2007 | 0 | 15 | 190 | 11,518 | 378 | 7 | 133 | 7,779 | 0 | 20,005 | 0 | – – | – – | – – |
| 2008 | 0 | 17 | 246 | R 11,602 | 393 | R 37 | 124 | 7,591 | 0 | R 19,992 | 0 | – – | – – | – – |
| 2009 | 0 | 18 | 231 | 9,770 | 431 | 6 | 111 | 7,924 | 0 | 18,473 | 0 | – – | – – | – – |
| | | | Trillion Btu | | | | | | | | | | | |
| 1960 | (s) | 1.8 | 0.7 | 10.5 | 0.3 | 0.3 | 0.5 | 21.2 | 6.0 | 39.5 | 0.0 | 41.3 | 0.0 | 41.3 |
| 1965 | (s) | 2.0 | 1.1 | 10.9 | 0.4 | 0.2 | 0.5 | 21.8 | 7.4 | 42.3 | 0.0 | 44.3 | 0.0 | 44.3 |
| 1970 | (s) | 6.0 | 1.3 | 17.9 | 0.7 | 0.3 | 0.5 | 27.6 | 2.9 | 51.3 | 0.0 | 57.4 | 0.0 | 57.4 |
| 1975 | (s) | 4.9 | 1.1 | 23.1 | 0.7 | 0.4 | 0.7 | 35.2 | 0.0 | 61.1 | 0.0 | 66.1 | 0.0 | 66.1 |
| 1980 | 0.0 | 6.2 | 0.5 | 37.4 | 0.9 | 0.3 | 0.9 | 42.2 | 0.0 | 82.2 | 0.0 | 88.4 | 0.0 | 88.4 |
| 1985 | 0.0 | 5.2 | 0.3 | 24.3 | 0.9 | 0.2 | 0.8 | 37.2 | (s) | 63.6 | 0.0 | 68.8 | 0.0 | 68.8 |
| 1990 | 0.0 | 5.6 | 0.2 | 38.9 | 0.8 | 0.1 | 0.9 | 34.7 | 0.0 | 75.6 | 0.0 | 81.2 | 0.0 | 81.2 |
| 1995 | 0.0 | 7.7 | 0.9 | 46.5 | 0.9 | 0.1 | 0.9 | 39.0 | 0.0 | 88.3 | 0.0 | 96.0 | 0.0 | 96.0 |
| 1996 | 0.0 | 8.6 | 1.1 | 45.8 | 0.9 | 0.1 | 0.9 | 38.7 | 0.0 | 87.4 | 0.0 | 96.0 | 0.0 | 96.0 |
| 1997 | 0.0 | 11.2 | 0.8 | 47.3 | 0.7 | (s) | 0.9 | 37.1 | 0.0 | 86.9 | 0.0 | 98.1 | 0.0 | 98.1 |
| 1998 | 0.0 | 12.3 | 0.8 | 46.7 | 0.7 | 0.1 | 1.0 | 39.8 | 0.0 | 88.9 | 0.0 | 101.2 | 0.0 | 101.2 |
| 1999 | 0.0 | 14.4 | 1.2 | 58.1 | 1.0 | (s) | 1.0 | 39.8 | 0.0 | 101.0 | 0.0 | 115.5 | 0.0 | 115.5 |
| 2000 | 0.0 | 14.8 | 1.4 | 50.9 | 1.6 | (s) | 1.0 | 39.3 | 0.0 | 94.2 | 0.0 | 109.0 | 0.0 | 109.0 |
| 2001 | 0.0 | 13.9 | 1.1 | 53.4 | 1.9 | (s) | 0.9 | 39.7 | 0.0 | 97.0 | 0.0 | 110.9 | 0.0 | 110.9 |
| 2002 | 0.0 | 13.7 | 1.2 | 54.1 | 1.2 | (s) | 0.9 | 38.9 | 0.0 | 96.3 | 0.0 | 110.0 | 0.0 | 110.0 |
| 2003 | 0.0 | 15.0 | 1.1 | 63.1 | 0.9 | (s) | 0.8 | 38.5 | 0.0 | 104.4 | 0.0 | 119.3 | 0.0 | 119.3 |
| 2004 | 0.0 | 13.1 | 1.1 | 61.3 | 1.4 | 0.1 | 0.8 | 37.5 | 0.0 | 102.2 | 0.0 | 115.3 | 0.0 | 115.3 |
| 2005 | 0.0 | 14.8 | 1.3 | 62.8 | 1.2 | (s) | 0.8 | 38.6 | 0.0 | 104.6 | 0.0 | 119.3 | 0.0 | 119.3 |
| 2006 | 0.0 | 14.4 | 1.3 | 65.7 | 1.7 | (s) | 0.8 | 39.0 | 0.0 | 108.4 | 0.0 | 122.9 | 0.0 | 122.9 |
| 2007 | 0.0 | 15.2 | 1.0 | 67.1 | 2.1 | (s) | 0.8 | 40.6 | 0.0 | 111.6 | 0.0 | 126.9 | 0.0 | 126.9 |
| 2008 | 0.0 | R 17.6 | 1.2 | R 67.6 | 2.2 | 0.1 | 0.8 | 39.6 | 0.0 | R 111.5 | 0.0 | R 129.2 | 0.0 | R 129.2 |
| 2009 | 0.0 | 18.6 | 1.2 | 56.9 | 2.4 | (s) | 0.7 | 41.3 | 0.0 | 102.6 | 0.0 | 121.1 | 0.0 | 121.1 |

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[c] Liquefied petroleum gases.
[d] Beginning in 1993, motor gasoline includes fuel ethanol blended into the product.
[e] Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total. There is also a discontinuity in this time series between 2004 and 2005 due to changes in estimation methodology. See Section 5 of the Technical Notes.
[f] AB_Test There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.
[g] From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

## Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2009, Wyoming

| Year | Coal | Natural Gas [a] | Petroleum: Residual Fuel Oil [b] | Petroleum: Distillate Fuel Oil [c] | Petroleum: Petroleum Coke | Petroleum: Total | Nuclear Electric Power | Hydroelectric Power [d] | Biomass: Wood and Waste [e,f] | Geothermal [f] | Solar/PV [f,g] | Wind [f] | Electricity Net Imports [h] | Total [f,i] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thousand Short Tons | Billion Cubic Feet | Thousand Barrels | | | | Million Kilowatthours | | | Million Kilowatthours | | | | |
| 1960 | 815 | 1 | 5 | 6 | 0 | 12 | 0 | 609 | – – | 0 | NA | NA | 0 | – – |
| 1965 | 1,941 | (s) | 15 | 19 | 0 | 34 | 0 | 884 | – – | 0 | NA | NA | 0 | – – |
| 1970 | 3,571 | 2 | 11 | 13 | 0 | 25 | 0 | 1,006 | – – | 0 | NA | NA | 0 | – – |
| 1975 | 6,938 | 1 | 112 | 6 | 0 | 118 | 0 | 1,120 | – – | 0 | NA | NA | 0 | – – |
| 1980 | 13,498 | (s) | 0 | 123 | 0 | 123 | 0 | 1,108 | – – | 0 | NA | NA | 0 | – – |
| 1985 | 21,173 | (s) | 0 | 143 | 0 | 143 | 0 | 1,068 | – – | 0 | 0 | 3 | 0 | – – |
| 1990 | 23,526 | (s) | 0 | 99 | 0 | 99 | 0 | 645 | – – | 0 | 0 | 0 | 0 | – – |
| 1995 | 23,850 | (s) | 0 | 128 | 0 | 128 | 0 | 799 | – – | 0 | 0 | 0 | 0 | – – |
| 1996 | 24,430 | (s) | 0 | 110 | 0 | 110 | 0 | 1,232 | – – | 0 | 0 | 0 | 0 | – – |
| 1997 | 23,996 | (s) | 0 | 105 | 0 | 105 | 0 | 1,381 | – – | 0 | 0 | 0 | 0 | – – |
| 1998 | 26,674 | (s) | 0 | 80 | 0 | 80 | 0 | 1,342 | – – | 0 | 0 | 2 | 0 | – – |
| 1999 | 25,639 | (s) | 0 | 85 | 0 | 85 | 0 | 1,170 | – – | 0 | 0 | 11 | 0 | – – |
| 2000 | 26,365 | 2 | 0 | 66 | 0 | 66 | 0 | 1,011 | – – | 0 | 0 | 246 | 0 | – – |
| 2001 | 26,184 | 3 | 0 | 66 | 0 | 66 | 0 | 879 | – – | 0 | 0 | 365 | 0 | – – |
| 2002 | 25,675 | 4 | 0 | 76 | 0 | 76 | 0 | 584 | – – | 0 | 0 | 447 | 21 | – – |
| 2003 | 25,861 | 2 | 0 | 81 | 0 | 81 | 0 | 594 | – – | 0 | 0 | 366 | 29 | – – |
| 2004 | 26,428 | 1 | 0 | 92 | 0 | 92 | 0 | 593 | – – | 0 | 0 | 617 | -56 | – – |
| 2005 | 26,086 | 1 | 0 | 77 | 0 | 77 | 0 | 808 | – – | 0 | 0 | 717 | -98 | – – |
| 2006 | 26,170 | 1 | 0 | 88 | 0 | 88 | 0 | 843 | – – | 0 | 0 | 759 | -47 | – – |
| 2007 | 26,585 | 2 | 0 | 84 | 0 | 84 | 0 | 729 | – – | 0 | 0 | 755 | -55 | – – |
| 2008 | 26,885 | 1 | 0 | 79 | 0 | 79 | 0 | 835 | – – | 0 | 0 | 963 | -42 | – – |
| 2009 | 25,501 | 1 | 0 | 91 | 0 | 91 | 0 | 967 | – – | 0 | 0 | 2,226 | -36 | – – |
| | | | | | | | Trillion Btu | | | | | | | |
| 1960 | 12.1 | 0.7 | (s) | (s) | 0.0 | 0.1 | 0.0 | 6.6 | 0.0 | 0.0 | NA | NA | 0.0 | 19.4 |
| 1965 | 31.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 9.2 | 0.0 | 0.0 | NA | NA | 0.0 | 40.6 |
| 1970 | 59.0 | 2.4 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 10.6 | 0.0 | 0.0 | NA | NA | 0.0 | 72.2 |
| 1975 | 115.4 | 0.4 | 0.7 | (s) | 0.0 | 0.7 | 0.0 | 11.7 | 0.0 | 0.0 | NA | NA | 0.0 | 128.2 |
| 1980 | 237.4 | 0.2 | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 11.5 | 0.0 | 0.0 | NA | NA | 0.0 | 249.8 |
| 1985 | 370.7 | 0.1 | 0.0 | 0.8 | 0.0 | 0.8 | 0.0 | 11.2 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 382.9 |
| 1990 | 416.0 | 0.1 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 423.3 |
| 1995 | 418.4 | 0.1 | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 427.5 |
| 1996 | 427.0 | 0.1 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440.4 |
| 1997 | 423.5 | 0.1 | 0.0 | 0.6 | 0.0 | 0.6 | 0.0 | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 438.4 |
| 1998 | 470.5 | 0.3 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 13.7 | 0.0 | 0.0 | 0.0 | (s) | 0.0 | 485.0 |
| 1999 | 451.7 | 0.2 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 464.4 |
| 2000 | 464.9 | 1.9 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 10.3 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 480.0 |
| 2001 | 464.2 | 2.8 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 480.2 |
| 2002 | 447.7 | 3.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 4.6 | 0.1 | 462.2 |
| 2003 | 460.1 | 2.3 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 3.8 | 0.1 | 472.8 |
| 2004 | 466.3 | 0.5 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 6.2 | -0.2 | 479.3 |
| 2005 | 458.2 | 0.5 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | 7.2 | -0.3 | 474.1 |
| 2006 | 455.0 | 0.8 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 8.4 | 0.0 | 0.0 | 0.0 | 7.5 | -0.2 | 472.1 |
| 2007 | 459.4 | 2.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 7.2 | 0.0 | 0.0 | 0.0 | 7.5 | -0.2 | 476.4 |
| 2008 | 465.0 | 1.1 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 9.5 | -0.1 | 484.0 |
| 2009 | 442.9 | 1.1 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 9.4 | 0.0 | 0.0 | 0.0 | 21.7 | -0.1 | 475.5 |

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[c] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at http://www.eia.gov/state/seds/seds-data-complete.cfm.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

# Consumption Technical Notes

# State Energy Data System 2009: Consumption

# Introduction to the Technical Notes

## Purpose

All of the estimates contained in the State energy consumption data tables are developed using the State Energy Data System (SEDS), which is maintained and operated by the U.S. Energy Information Adminstration (EIA). The goal in maintaining SEDS is to create historical time series of energy production, consumption, prices, and expenditures by State that are defined as consistently as possible over time and across sectors. SEDS exists for two principal reasons: (1) to provide State energy production, consumption, price and expenditure estimates to Members of Congress, Federal and State agencies, and the general public, and (2) to provide the historical series necessary for EIA's energy models.

Efforts are made to ensure that the sums of the State estimates equal the national totals as closely as possible for each energy type and end-use sector as published in other EIA publications. SEDS State energy consumption estimates are generally comparable to the statistics in EIA's *Annual Energy Review* and *Monthly Energy Review* consumption tables.

## The Report

The SEDS consumption tables, available on the EIA website at http://www.eia.gov/state/seds/seds-data-complete.cfm, provide annual time series estimates of State-level energy use by broad energy-consuming sectors. Companion tables containing State-level price and expenditure estimates can be found at the same website. State-level energy production estimates, a recent addition to SEDS, are also available at http://www.eia.gov/state/seds/seds-data-complete.cfm. In addition, tables showing State-level consumption, price, and expenditure estimates by energy source as they are updated for the most current year can be found at http://www.eia.gov/state/seds/seds-data-fuel.cfm.

The following technical notes are provided to assist users in understanding and interpreting the SEDS consumption estimates. Each section describes how the estimates were derived for each individual energy source and lists the sources of all data series. Additional information is contained in the appendices.

Technical notes for State-level prices and expenditures, as well as production, are also available at http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

Due to page-size constraints, most of the time-series tables displayed as Portable Document Format (PDF) files show estimates for only selected years from 1960 through 1995; thereafter, data are shown consecutively through 2009. However, data for all years from 1960 forward are maintained in SEDS and are included in the HTML versions of the tables and in the CSV data files available via EIA's website. All years are covered by the documentation in this report.

All estimates with revisions since the last edition of SEDS that are large enough to be seen in the published tables' level of rounding are preceded with an "R" in the PDF data tables on the website.

## Estimates

**Estimation Methodologies.** Using SEDS, EIA develops estimates of energy consumption by principal energy sources and broad energy-consuming sectors, by State, from 1960 forward. Energy consumption is estimated by using data from existing surveys of energy suppliers that report consumption, sales, or distribution of energy at the State level. Most of the SEDS estimates rely directly on collected State-level consumption data (See "Collected Data and Estimated Values in CSEDS" on page 5, which summarizes the status of current data sources used). Some consumption estimates in SEDS are based on a variety of surrogate measures. The measures are selected principally on the basis of applicability as an indicator of consumption, availability, continuity over time, and consistency. For instance, for petroleum, "product supplied" is a surrogate for consumption and is derived by summing field and refinery production, plus imports, minus exports, plus or minus changes in stocks. State-level sales survey data are used to disaggregate the national petroleum product supplied totals to the States. The measures of consumption and estimation methodologies are explained in detail under each energy source in the Technical Notes.

Methods are also applied to estimate State electrical system energy losses that are not available from any survey. See "Energy Consumption Measures—Total and Site" on page 6 for a discussion about losses and how they are reflected in the SEDS tables. U.S. total electrical system energy losses are allocated to each individual State's end-use sectors in proportion to the sectors' electricity sales. The estimation method does not separately identify electrical system energy losses from interstate flow of electricity. Therefore, specific estimates are developed for Alaska and Hawaii and for the 48 contiguous States and the District of Columbia.

**Data Sources.** The original source documents cited in the Technical Notes include descriptions of the data collection methodologies, universes, imputation or adjustment techniques (if any), and errors associated with the processes. Due to the numerous collection forms and procedures associated with those reports, it is not possible to develop a meaningful numerical estimate of the overall errors of the integrated data published here.

Reliable, consistent series for long periods of time—especially in the earlier years—are difficult to develop, and estimates and assumptions must be applied to fill data gaps and to maintain definitional consistency. Although SEDS incorporates the most consistent series and procedures possible, users of this report should recognize the limitations of the data that are due to changing and inadequate data sources.

For example, in reports prepared by the Bureau of Mines in the late 1960s and early 1970s, petroleum consumption was equated to demand. Later, consumption was equated to apparent demand and, more recently, to product supplied. Changes in surveys and reduction of data collections, especially after 1978, disturbed the continuity of some petroleum consumption series, most notably for distillate fuel, residual fuel, kerosene, and liquefied petroleum gases. These and other data inconsistencies are explained in detail for each energy source in the Technical Notes.

### Comparison with Other Energy Consumption Reports

EIA conducts numerous energy-related surveys. In general, the surveys can be divided into two broad groups. One group of surveys, called supply surveys, is directed to the suppliers and marketers of specific energy sources. Those surveys measure the quantities of specific fuels supplied to the market. The results of supply surveys are combined and published in a number of EIA data products, including the *Monthly Energy Review* and SEDS. The second group of surveys, called energy consumption surveys, gather information directly from end users of energy. Although there are some elements in common, the supply survey data and the consumption survey data have substantially different approaches, capabilities, and objectives. Thus, care must be taken in analyzing SEDS consumption estimates in conjunction with consumption survey data for the following reasons:

- SEDS data are designed to be a broad accounting of energy consumption, covering all energy use and splitting it into major sectors as clearly as possible. The energy consumption surveys are designed to be comprehensive and representative within individual sectors. However, the sectors are restricted for purposes of creating relatively homogeneous, well-defined populations and for aiding in sampling and data collection. For example, the Commercial Buildings Energy Consumption Survey covers only energy consumption in commercial buildings, while SEDS includes other commercial consumption, such as street lighting and public services; and the Manufacturing Energy Consumption Survey covers only manufacturing establishments, while SEDS includes other industrial energy consumption (i.e., mining, construction, agriculture, fisheries, and forestry). Further, the

consumption surveys do not cover all energy-using sectors. Therefore, energy consumption surveys cannot be summed together to account for all energy use.



## Collected Data and Estimated Values in SEDS

**Coal.** U.S. total coal consumption data by sector are taken directly from EIA's *Annual Coal Report (ACR)* and predecessor publications. Total coal consumption by State and for most sectors is from the *ACR*, except where values are withheld and must be estimated. The State-level disaggregation of the *ACR*'s combined residential and commercial sector are estimates. Data on electric power industry coal consumption by State and coal type are from the EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Natural Gas.** Natural gas consumption by State and sector is taken directly from the EIA's *Natural Gas Annual (NGA)*. Natural gas consumed as lease fuel and plant fuel and natural gas delivered to industrial consumers in the *NGA* are combined in SEDS as industrial sector consumption. Natural gas consumed as vehicle fuel and pipeline fuel are combined in SEDS as transportation sector consumption.

**Petroleum.** U.S. total consumption for each petroleum product is the "product supplied" data from EIA's *Petroleum Supply Annual (PSA)*. State values for distillate fuel oil, residual fuel oil, and petroleum coke consumption by the electric power industry are unpublished data from the EIA-923, "Power Plant Operations Report," and predecessor forms. All other State and sector values for consumption of petroleum products are estimates based on sales data from several sources.

**Renewable Energy**. **Solar thermal and photovoltaic energy** consumption in the residential and commercial sectors is estimated. Solar energy use in the electric power sector is collected on the EIA-923, "Power Plant Operations Report," and predecessor forms. The use of **wind** energy in the electric power sector is also collected on those forms. **Geothermal** energy direct use and by heat pumps in the residential, commercial, and industrial sectors are estimates based on a survey from the Oregon Institute of Technology Geo-Heat Center. Electricity generated from geothermal energy by the electric power sector is collected on the EIA-923, "Power Plant Operations Report," and predecessor forms. **Hydroelectricity** generation by cogenerators in the commercial and industrial sectors; and generation by the electric power sector is collected on the EIA-923, "Power Plant Operations Report," and predecessor forms. **Wood** consumption in the residential and commercial sectors are estimates based on data collected on the EIA Form EIA-457 "Residential Energy Consumption Survey" and Form EIA-871 "Commercial Buildings Energy Consumption Survey." Additional **wood and waste** use for electricity generation by cogenerators in the commercial and industrial sectors and by the electric power sector is collected on the EIA-923, "Power Plant Operations Report," and predecessor forms. State-level consumption of **fuel ethanol**, by sector, is estimated, although the U.S. total is collected on several forms and reported in *PSA*.

**Nuclear Electric Power.** Nuclear electricity generation by State is collected on the EIA-923, "Power Plant Operations Report," and predecessor forms.

**Electricity.** Electricity consumption is sales data by sector and State from the *Electric Power Annual (EPA)* with one exception. The *EPA* "Other" category is allocated to the transportation and commercial sectors in each State is estimated from 1960 through 2002.

**Electrical System Energy Losses and Net Interstate Flow of Electricity.** These series are estimated in SEDS.

- Energy consumption surveys provide user characteristics that allow for both macro-level (for major sectoral sub-populations) and micro-level (at the unit of data collection) interpretive analysis. The surveys of energy consumption by residential households from the Residential Energy Consumption Survey (Form EIA-457) and by commercial buildings from the Commercial Buildings Energy Consumption Survey (Form EIA-871) provide detailed information about the energy end users, their size, their stock of energy-consuming equipment and appliances, and their total energy consumption and expenditures. The Manufacturing Energy Consumption Survey (Form EIA-846) collects consumption by type of use and fuel switching capability from manufacturing establishments grouped by manufacturing classification. SEDS, on the other hand, provides limited characterization of the end users of energy but greater geographic and energy product detail, as well as annual historical time series.

- Sectoral classification in SEDS is generally based on supplier classifications of customer accounts, by whatever means suppliers choose to use. (See discussion in next section.) Sectoral classification for the energy consumption surveys is based upon a categorization, verified by end user, of the primary economic activity of the data collection unit (household, building, or establishment).

- The energy consumption surveys provide data at national and Census region and/or Census division levels, whereas the estimates in SEDS are on national and State levels.

## Energy Consumption Measures—Total and Site

Sources of energy can be categorized as primary and secondary. Primary sources of energy, such as coal, petroleum, and natural gas are consumed directly. Electricity is a secondary form of energy that is created from primary energy sources. The amount of electricity actually consumed by the end user (site consumption) does not include the energy lost in the generation and delivery of the electricity to the point of use.

Primary sources of energy are measured in applicable physical units. Coal is measured by the short ton (equal to 2,000 pounds); petroleum, by the barrel (equivalent to 42 gallons); and natural gas, by the cubic foot. Energy sources are also measured by their heat content, generally expressed in British thermal units (Btu). For example, in 2009, the average short ton of coal consumed by the electric power sector contained 19.521 million Btu (Appendix B Table B13), the average barrel of distillate fuel oil contained 5.825 million Btu (page 162 of Appendix B), and the average cubic foot of natural gas consumed by the electric power sector contained 1,025 Btu (Appendix B Table B3).

Electricity, a secondary form of energy, can also be measured in physical units, commonly kilowatthours, and by heat content. The conventional thermal conversion factor for electricity consumed by the end user (site consumption) is 3,412 Btu per kilowatthour.

In 2009 the electric power sector consumed 38.1 quadrillion Btu of primary energy in order to provide 12.3 quadrillion Btu of electricity for sale. These data indicate that 68 percent of the primary (embodied) energy in the fuels consumed to generate the electricity was used (or "lost") in converting the primary energy to electricity and transmitting and distributing the electricity to the consumers, and 32 percent was used as site (point-of-use) electricity by consumers.

In evaluating these energy consumption tables, the tables titled "Total Energy Consumption" include all primary energy sources, including those used to generate electricity; the electricity generated is not included. Tables showing "End-Use Sector Consumption" include columns for the primary sources and electricity that are consumed by the sector, as well as a column for the estimated energy lost in the electrical system processes. The "Total" column in those tables includes all energy consumed by the sector and the associated energy lost in the generation and transmission of electricity. The column titled "Net" is site energy consumption—that is, the sum of the primary sources and electricity, excluding the electrical system energy losses. See Section 7 "Total Energy" for details.

- The reference periods are also different in that SEDS covers calendar years from 1960 through 2009, while the consumption surveys are for selected years, and the residential end-use surveys taken prior to 1987 cover a heating season year (i.e., April through March). Beginning with the 1987 residential end-use survey, the reference period is a calendar year.

For a more detailed description of the differences between SEDS and the energy consumption surveys, see the EIA analysis report *Energy Consumption by End-Use Sector: A Comparison of Measures by Consumption and Supply Surveys*, DOE/EIA-0533, April 1990.

## Energy-Consuming Sectors

The consumption estimates in SEDS are based on data collected by various surveys that do not necessarily define the consuming sectors exactly the same way. The Technical Notes of this report describe in detail for each energy source how the collected data series are combined and assigned to SEDS consuming sectors. To the degree possible, energy consumption in this report has been assigned to the five sectors according to the following general definitions:

- **Residential Sector:** An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

- **Commercial Sector:** An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note*: This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

- **Industrial Sector:** An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31–33); agriculture, forestry, fishing, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

- **Transportation Sector:** An energy-consuming sector that consists of all vehicles whose primary purpose is transporting people and/or goods from one physical location to another. Included are automobiles; trucks; buses; motorcycles; trains, subways, and other rail vehicles; aircraft; and ships, barges, and other waterborne vehicles. Vehicles whose primary purpose is not transportation (e.g., construction cranes and bulldozers, farming vehicles, and warehouse tractors and forklifts) are classified in the sector of their primary use. In this report, natural gas used in the operation of natural gas pipelines is included in the transportation sector.

- **Electric Power Sector:** An energy-consuming sector that consists of electricity-only and combined-heat-and-power plants within the NAICS (North American Industry Classification System) 22 category whose primary business is to sell electricity, or electricity and heat, to the public. *Note*: This sector includes electric utilities and independent power producers.

The first four energy-consuming sectors - residential, commerical, industrial, and transportation sectors - are also called end-use sectors.

**Sector Definition Discrepancies.** Although the end-use allocations are made according to these aggregations as closely as possible, some data are collected by using different classifications. For example, electric utilities may classify commercial and industrial users by the quantity of electricity purchased rather than by the business activity of the purchaser. Natural gas used in agriculture, forestry, and fisheries was collected and reported in the commercial sector through 1995. Beginning with 1996 data, deliveries of

natural gas for agriculture, forestry, and fisheries are reported in the industrial sector instead. Another example is master-metered condominiums and apartments and buildings with a combination of residential and commercial units. In many cases, the metering and billing practices cause residential energy usage of electricity, natural gas, or fuel oil to be included in the commercial sector. No adjustments for these discrepancies were made.

SEDS does not provide further disaggregated end-use consumption estimates. For example, the industrial sector cannot be broken down into the chemical or rubber industries, all manufacturing, or agriculture. The input series for the system are provided in broad end-use categories from the data collection forms and are not available by the individual components. Additional disaggregated regional information, such as counties or cities, are also not available from SEDS.

# Section 1. Documentation Guide

This section describes the data identification codes in the State Energy Data System (SEDS). The following six sections, one for each energy source and total energy, provide: descriptions of all the data series that are entered into SEDS; the formulas applied in SEDS for creating additional data series; and notes on special circumstances for any series.

Appendix A is an alphabetical listing of the variable names and formulas used in the system; Appendix B lists the conversion factors used to convert physical units into British thermal units and cites the sources for those factors; Appendix C provides the State-level resident population data used in per capita calculations; Appendix D presents the real gross domestic product by State used to calculate total energy per real dollar of economic output; Appendix E provides metric and other physical conversion factors for measures used in energy analyses; and Appendix F summarizes changes made since the last complete release of SEDS estimates.

There are over 400 variables used in SEDS to create the estimates in this report. All of the variables are identified by five-character menomic series names, or MSN. In the following example, MGTCP is the identifying code for data on motor gasoline total consumption in physical units:

| **Characters:** | **MG** | **TC** | **P** |
|---|---|---|---|
| **Positions:** | 1 and 2 | 3 and 4 | 5 |
| **Identity:** | Type of energy or product | Energy activity or consumption end-use sector | Type of data |

The energy sources and products in SEDS, which are represented by the first two letters of the variable name, are:

AB = aviation gasoline blending components
AI = aluminum ingot
AR = asphalt and road oil
AS = asphalt
AV = aviation gasoline
BM = biomass
CC = coal coke
CG = corrugated and solid fiber boxes
CL = coal
CO = crude oil, including lease condensate
CT = catalytic cracking
DF = distillate fuel oil
DK = distillate fuel oil, including kerosene-type jet fuel
EL = electricity
EM = fuel ethanol, excluding denaturant
EN = fuel ethanol, including denaturant
ES = electricity sales
FF = fossil fuels
FN = petrochemical feedstocks, naphtha less than 401° F
FO = petrochemical feedstocks, other oils equal to or greater than 401° F
FS = petrochemical feedstocks, still gas
GE = geothermal energy
HV = conventional hydroelectric power
HY = hydroelectric power
JF = jet fuel
JK = jet fuel, kerosene-type
JN = jet fuel, naphtha-type
KS = kerosene
LG = liquefied petroleum gases
LO = electrical system energy losses
LU = lubricants
MB = motor gasoline blending components
MG = motor gasoline
MM = motor gasoline excluding fuel ethanol
MS = miscellaneous petroleum products

NA = natural gasoline (including isopentane)
NG = natural gas, including supplemental gaseous fuels
NN = natural gas, excluding supplemental gaseous fuels
NU = nuclear electric power
OC = organic chemicals
P1 = asphalt and road oil, aviation gasoline, kerosene, lubricants, and "other petroleum products"
PA = all petroleum products
PC = petroleum coke
PI = paints and allied products
PL = plant condensate
PM = all petroleum products excluding ethanol blended into motor gasoline
PO = other petroleum products
PP = pentanes plus
RD = road oil
RE = renewable energy
RF = residual fuel oil
SF = supplemental gaseous fuels
SG = still gas
SN = special naphtha
SO = photovoltaic and solar thermal energy
TE = total energy
TN = total net energy (net of electrical system energy losses)
UO = unfinished oils
US = unfractionated stream
WD = wood
WS = waste
WW = wood and waste
WX = waxes
WY = wind

The energy-consuming sectors, identified by characters three and four of each variable name, such as:

AC = transportation sector consumption
CC = commercial sector consumption
EG = electric power sector generation (also consumption)
EI = electric power sector consumption
IC = industrial sector consumption
RC = residential sector consumption
TC = total consumption of all energy-consuming sectors
TX = total end-use consumption

Many other characters occur in the third and fourth positions of the variable names for the sales, deliveries, and distribution data series used in the intermediate calculations in SEDS to derive the end-use consumption estimates. Examples of these codes are:

BK = sales for use in vessel bunkering
CA = capacity
KC = consumption at coke plants
LP = lease and plant fuel
IN = deliveries to the industrial sector
OD = distribution to other industrial users
VA = value-added in manufacture

Combining the first two components (the first four letters) produces variable names, such as:

RFBK = residual fuel oil sold for vessel bunkering
RFAC = residual fuel oil consumed by the transportation sector
NGIN = natural gas (including supplemental gaseous fuels) delivered to the industrial sector
NGIC = natural gas (including supplemental gaseous fuels) consumed by the industrial sector

The fifth character of the variable names in SEDS identifies the type of data by using one of the following letters:

B = data in British thermal units (Btu)
K = factor for converting data from physical units to Btu
M = data in alternative physical units
P = data in standardized physical units
S = share or ratio expressed as a fraction
V = value in million dollars

In general, data entered into SEDS are in physical units, represented by a "P" in the fifth character; for example, coal data are in thousand short tons, petroleum data are in thousand barrels, and natural gas data are in million cubic feet. In a few cases, data are obtained from the source documents in different units, such as thousand gallons instead of thousand barrels, and are represented by an "M" until converted in SEDS to the unit

that is consistent with other variables. Conversion factors, represented by a "K" in the fifth character, are applied to the physical unit data to convert the data to British thermal units, a common unit for all forms of energy. The derived data series in thousand British thermal units are represented by "B" in the fifth character. In a few cases, consumption estimates are derived by calculating shares of aggregated consumption data. The fractions used to calculate the consumption shares are identified by an "S" in the fifth character. The consumption estimates for some petroleum products are based on the value added in the manufacturing process by related industries in each State. The data series for those industrial activities are in million dollars, and the variable names contain "V" in the fifth character.

There are a few variables that do not follow the convention:

TPOPP = resident population
GDPRX = real gross domestic product
TETGR = total energy consumption per real dollar of GDP

Per capita consumption is represented by "TP" in the third and fourth positions of the variable name.

Associated with, and sometimes attached to, each variable name is the geographic identification. Geographic areas used in SEDS are the 50 States and the District of Columbia (represented by the U.S. Postal Service State abbreviations) and the United States as a whole. Some estimates of electricity sales and losses are derived by using only the contiguous 48 States and the District of Columbia, and the variables used in those calculations are identified by "48." The geographic area codes used in SEDS are shown in Table TN1.

Throughout this report, the term "State" includes the District of Columbia. Throughout this documentation, "ZZ" is used as a geographic identifier to represent the different State abbreviations that would be interchanged in that position of the variable name.

**Table TN1. Geographic Area Codes Used in the State Energy Data System**

| Code | State | Code | State |
|---|---|---|---|
| AK | Alaska | NC | North Carolina |
| AL | Alabama | ND | North Dakota |
| AR | Arkansas | NE | Nebraska |
| AZ | Arizona | NH | New Hampshire |
| CA | California | NJ | New Jersey |
| CO | Colorado | NM | New Mexico |
| CT | Connecticut | NV | Nevada |
| DC | District of Columbia | NY | New York |
| DE | Delaware | OH | Ohio |
| FL | Florida | OK | Oklahoma |
| GA | Georgia | OR | Oregon |
| HI | Hawaii | PA | Pennsylvania |
| IA | Iowa | RI | Rhode Island |
| ID | Idaho | SC | South Carolina |
| IL | Illinois | SD | South Dakota |
| IN | Indiana | TN | Tennessee |
| KS | Kansas | TX | Texas |
| KY | Kentucky | UT | Utah |
| LA | Louisiana | VA | Virginia |
| MA | Massachusetts | VT | Vermont |
| MD | Maryland | WA | Washington |
| ME | Maine | WI | Wisconsin |
| MI | Michigan | WV | West Virginia |
| MN | Minnesota | WY | Wyoming |
| MO | Missouri | US | United States |
| MS | Mississippi | 48 | The contiguous 48 States and the District of Columbia |
| MT | Montana | | |

# Section 2. Coal

## Coal Consumption

### *Physical Units*

Nine data series are used to estimate State coal consumption. Most are U.S.-level consumption and comparable State-level distribution data, and are in units of thousand short tons. "ZZ" in the variable names is used to represent the two-letter State code that differs for each State:

CLACPUS = coal consumed by the transportation sector in the United States;
CLEIPZZ = coal consumed by the electric power sector in each State;
CLHCPUS = coal consumed by the residential and commercial sectors in the United States;
CLHDPZZ = coal distributed to the residential and commercial sectors in each State;
CLKCPUS = coal consumed by coke plants in the United States;
CLKDPZZ = coal distributed to coke plants in each State;
CLOCPUS = coal consumed by other industrial users in the United States;
CLODPZZ = coal distributed to other industrial users in each State; and
CLRCSUS = the residential share of combined residential and commercial coal consumption.

The U.S. totals for the four State-level series are calculated by summing the State data.

State estimates of coal consumed by the residential and commercial sectors combined are made by assuming that coal is consumed in proportion to the amount of coal distributed to the residential and commercial sectors in each State:

CLHCPZZ = (CLHDPZZ/CLHDPUS) * CLHCPUS

Coal consumed by the residential and commercial sectors is reported combined and little information exists for disaggregating the combined sectors' data. The U.S. Energy Information Administration (EIA) estimates that a decreasing percentage of the combined total is consumed in the residential sector as shown in Table TN2. This estimated percentage is applied to the residential and commercial sectors' total to estimate residential consumption and the remaining quantity is assumed to be commercial use:

CLRCPZZ = CLHCPZZ * CLRCSUS
CLRCPUS = ΣCLRCPZZ

CLCCPZZ = CLHCPZZ – CLRCPZZ
CLCCPUS = ΣCLCCPZZ

**Table TN2. Residential Sector Share of Combined Residential and Commercial Coal Consumption, 1960 Forward**

| Years | CLRCSUS | Years | CLRCSUS | Years | CLRCSUS |
|---|---|---|---|---|---|
| 1960–1962 | 0.59 | 1979 | 0.20 | 1994 | 0.15 |
| 1963, 1964 | 0.58 | 1980 | 0.21 | 1995 | 0.13 |
| 1965–1967 | 0.57 | 1981 | 0.18 | 1996 | 0.12 |
| 1968–1970 | 0.56 | 1982 | 0.17 | 1997, 1998 | 0.11 |
| 1971 | 0.49 | 1983 | 0.16 | 1999 | 0.12 |
| 1972 | 0.43 | 1984 | 0.19 | 2000, 2001 | 0.11 |
| 1973 | 0.37 | 1985 | 0.22 | 2002 | 0.12 |
| 1974 | 0.32 | 1986, 1987 | 0.23 | 2003 | 0.13 |
| 1975 | 0.30 | 1988 | 0.22 | 2004 | 0.10 |
| 1976 | 0.29 | 1989 | 0.21 | 2005 | 0.08 |
| 1977 | 0.28 | 1990 | 0.20 | 2006 | 0.09 |
| 1978 | 0.23 | 1991–1993 | 0.18 | 2007–2009 | 0.10 |

To gain a perspective on these estimates: in the past decade, coal consumed by residential and commercial users combined is less than half a percent of all coal consumed.

Consumption in the industrial sector is reported for the U.S. and estimated by State. An assumption is made that coal is consumed by coke plants in proportion to the amount of coal distributed to coke plants in each State. It is also assumed that the consumption of coal by industrial users other than coke plants is in proportion to the amount of coal delivered to the other industrial users in each State. The industrial sector consumption is the sum of coal consumed by coke plants and other industrial users in each State:

CLKCPZZ = (CLKDPZZ/CLKDPUS) * CLKCPUS
CLOCPZZ = (CLODPZZ/CLODPUS) * CLOCPUS
CLICPZZ = CLKCPZZ + CLOCPZZ

There are no data available for estimating the transportation sector's consumption of coal by State. The quantity would be very small. The transportation sector accounted for only 1 percent of the national total consumption in 1960 and none since 1978. An assumption is made that when transportation sector consumption exists, the consumption by State, CLACPZZ, is in proportion to the share of the U.S. industrial sector attributed to each State:

CLACPZZ = (CLICPZZ / CLICPUS) * CLACPUS

Total consumption in each State, CLTCPZZ, is the sum of the sectors' consumption:

CLTCPZZ = CLRCPZZ + CLCCPZZ + CLICPZZ + CLACPZZ + CLEIPZZ

The U.S. total consumption estimates for each of the sectors and the total are calculated as the sum of the States' values.

### *British Thermal Units (Btu)*

Six factors are used to convert coal from physical units to Btu:

CLACKZZ = the factor for converting coal consumed by transportation sector in each State from short tons to Btu;
CLEIKZZ = the factor for converting coal consumed by the electric power sector in each State from short tons to Btu;
CLHCKZZ = the factor for converting coal consumed by the residential and commercial sectors in each State from short tons to Btu; and
CLHCKUS = the factor for converting coal consumed by the residential and commercial sectors from short tons to Btu; and
CLKCKZZ = the factor for converting coal consumed at coke plants in each State from short tons to Btu; and
CLOCKZZ = the factor for converting coal consumed by other industrial users in each State from short tons to Btu.

The electric power sector conversion factor for each State is applied to the physical unit value to estimate coal consumed in Btu:

CLEIBZZ = CLEIPZZ * CLEIKZZ

The residential and commercial sectors' State conversion factor is applied to the physical unit values to estimate coal consumed by the two sectors in Btu:

CLRCBZZ = CLRCPZZ * CLHCKZZ
CLCCBZZ = CLCCPZZ * CLHCKZZ

The industrial sector Btu consumption is estimated in three steps. Coal consumed at coke plants and by all industrial users other than coke plants are converted to Btu using their individual State conversion factors. The industrial sector consumption in Btu is then calculated as the sum of the two industrial components:

CLKCBZZ = CLKCPZZ * CLKCKZZ
CLOCBZZ = CLOCPZZ * CLOCKZZ
CLICBZZ = CLKCBZZ + CLOCBZZ

The transportation sector conversion factor for each State is applied to the physical unit value to estimate coal consumed in Btu:

CLACBZZ = CLACPZZ * CLACKZZ

Total consumption for each State is the sum of the sectors' consumption:

CLTCBZZ = CLRCBZZ + CLCCBZZ + CLICBZZ + CLACBZZ + CLEIBZZ

The U.S. consumption estimates in Btu are calculated by summing the State values for each of the data series. The U.S. average conversion factor for each of the five factors is calculated as the U.S. consumption in Btu divided by the U.S. consumption in physical units for each of the factors.

### *Additional Notes for Coal*

1. The national-level coal consumption data series for the residential and commercial sectors (CLHCPUS), coke plants (CLKCPUS), and industries other than coke plants (CLOCPUS) are from a continuous data source. However, the data series used to develop State-level allocators by end-use sector (CLHDPZZ, CLKDPZZ and CLODPZZ) vary for different time periods.

   For 1960 through 1979, U.S. coal consumption is allocated by State based on the proportion of coal distributed to each State.

   Beginning with 1980, State-level total coal consumption data are available; however, many of these data are withheld at the sector level. Withheld data are estimated by substituting residential and commercial coal distribution data for residential and commercial coal consumption. In many States, this leaves only one other sector withheld, which is derived by subtracting the other known sectors from the State total. In some cases withheld Census division values need to be subtracted out from known U.S. totals before the State-level estimates can be derived.

   Beginning with 2001, additional State coal consumption values are withheld, making it no longer possible to subtract out estimates of coal consumed by coke plants for some States. To estimate the withheld consumption values, the known State-level coke plant coal consumption values are subtracted from the known Census division totals leaving a value to be distributed to the States that have withheld values in that division. Data for the same States from a different EIA data series on distribution of coal to coke plants are used to estimate the withheld consumption data. Distribution data for the three years prior to the year being estimated are summed for each State and its division and each State's share of its division subtotal is used to allocate the withheld coke plant coal consumption to that State. For 2001, Utah was grouped with New York and Pennsylvania to create the subtotal used in the percentage calculations.

   Beginning with 2006, some State-level total coal consumption values that are withheld are first estimated by applying published year-on-year percent changes onto earlier years' published consumption values. In some cases, this would leave only one sector withheld, which is derived by subtracting the other known sectors from the State total.

   In 2008, Form EIA-6A, "Coal Distribution Report - Annual," is discontinued. Estimates for coal consumption by sector are derived from Form EIA-3, "Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users." Data for the consumer type commercial/institutional are used as estimates for residential/commercial consumption.

   These derived series for the residential/commercial, coke plant, and other industrial sectors are used in SEDS as the distribution data series to calculate coal consumption estimates by State and sector that are consistent with State-level total coal consumption data published in other EIA reports.

2. Total coal consumption by State for 1980 through 1989 published in the EIA *Quarterly Coal Report* do not sum to the U.S. totals due to a quantity called "Unknown" in the source tables. This unknown coal consumption is added to the residential, commercial, and "other industrial" sectors of Alabama, Illinois, Kentucky, Pennsylvania, Tennessee, and West Virginia in proportion to their total distribution of all coal.

3. Prior to 1974, data for distribution of bituminous coal and lignite by State include several groupings of States for which separate State data are not available. These groupings are: (1) Maine, New Hampshire, Vermont, and Rhode Island; (2) North Dakota and South Dakota; (3) Delaware and Maryland; (4) Georgia and Florida; (5) Alabama and Mississippi; (6) Arkansas, Louisiana, Oklahoma, and Texas; (7) Montana and Idaho; (8) Arizona and Nevada; and (9)

Washington and Oregon. Beginning with 1974, individual State distribution data became available. To estimate the 1960 through 1973 State distribution data, the States are disaggregated in proportion to the individual States' shares of each similar State grouping in 1974.

4. The sources used to develop thermal conversion factors for bituminous coal and lignite consumed by the electric power sector—the National Coal Association report and the Federal Power Commission's (FPC) Form 423 and FERC Form 423 published in the *Cost and Quality of Fuels at Electric Utility Plants*—exclude Alaska. However, Alaska reported consumption of bituminous coal and lignite at electric utilities for all years, 1960 forward. Unpublished FPC heat rates for coal at electric utilities in Alaska were used for 1960 through 1972. The 1972 conversion factor (the last year for which a conversion factor was reported for Alaska) was used for 1973 through 1978. According to industry sources, new mines were opened in 1978 and a more representative factor was used for 1979 through 1997. For 1998 forward, the Alaska factor is calculated using the same methodology as used for other States described on page 17.

### *Data Sources for Coal*

CLACKZZ — Factor for converting coal consumed by the transportation sector from physical units to Btu by State.

- 1960 through 1977: Assumed by EIA to be equal to the Btu conversion factor for bituminous coal and lignite consumption by industrial users other than coke plants:
  - — 1960 through 1973: Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed by industrial users other than coke plants by the ratios of 1960 through 1973 national averages for the other industrial users to its 1974 average.
  - — 1974 through 1977: Calculated by EIA by assuming that the bituminous coal and lignite consumed by industrial users other than coke plants in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to other industrial users in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.
- 1978 forward: Transportation sector coal is included in the other industrial category. Zero is entered for this variable.

CLACPUS — Coal consumed by the transportation sector in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, chapter "Coal-Bituminous and Lignite," table titled, "Consumption of bituminous coal and lignite, by consumer class, and retail deliveries in the United States," column "Bunker, lake vessel and foreign."
- 1976 and 1977: EIA, *Energy Data Reports*, "Coal-Bituminous and Lignite," table titled, "Consumption of bituminous coal and lignite, by consumer class, and retail deliveries in the United States," column "Bunker, lake vessel and foreign."
- 1978 forward: Small amounts of bituminous coal and lignite consumed by the transportation sector are included in the other industrial category (see CLOCPUS). Zero is entered for this variable.

CLEIKZZ — Factor for converting coal consumed by the electric power sector from physical units to Btu by State.

- 1960 through 1988: Calculated by EIA as the consumption-weighted average of national-level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS.

  Anthracite conversion factors:
  - — 1960 through 1972: EIA assumed that all anthracite consumed at electric utilities was recovered from culm banks and river dredging and was estimated to have an average heat content of 17.500 million Btu per short ton.
  - — 1973 through 1988: Calculated annually by EIA by dividing the heat content of anthracite receipts at electric utilities by the quantity of anthracite received at electric utilities. These data are reported on the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

  Bituminous coal and lignite conversion factors:

— 1960 through 1972: EIA adopted the average thermal conversion factor of the Bureau of Mines, which used the National Coal Association (NCA) average thermal conversion factor for electric utilities calculated from FPC Form 1 and published in *Steam Electric Plant Factors*, an NCA annual report. The specific tables are:
  – 1960 and 1961: Table 1.
  – 1962 through 1972: Table 2.

— 1973 through 1982: The average heat content of coal received at steam electric plants 25 megawatts or greater from FPC Form 423 and published in Btu per pound in EIA, *Cost and Quality of Fuels for Electric Utility Plants*, tables titled "Destination and Origin of Coal 'Delivered to' (1973–1979) 'Receipts to' (1980) 'Received at' (1981–1982) Steam-Electric Plants 25-MW or Greater."

— 1983 through 1988: The average heat content of coal received at steam electric plants 50 megawatts capacity or larger from FERC Form 423 and published in Btu per pound in the EIA, *Cost and Quality of Fuels for Electric Utility Plants.* The specific tables are:
  – 1983 and 1984: Table 58.
  – 1985 through 1988: Table 48.

Note: The State conversion factors for 1960 through 1972 are derived from actual consumption data, while the conversion factors for 1973 to 1988 are based on receipts of coal. The factors for 1960 through 1972 also may include some quantities of anthracite. These breaks in the series create some data discrepancies. In instances where a State had no receipts for a particular year but did report consumption, it is assumed that the coal received in one year is consumed during the following year and the Btu value of the previous year's receipts is used. See Additional Note 4 on page 16 for Alaska calculations.

- 1989 forward: Calculated by dividing the total heat content of coal received at electric power plants (including electric utilities, nonutility power plants and combined heat-and-power plants) by the total quantity consumed in physical units collected on Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html. See Additional Note 4 on page 16 for Alaska factors.

CLEIPZZ — Coal consumed by the electric power sector by State.

- EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

CLHCKZZ — Factor for converting coal consumed by the residential and commercial sectors from physical units to Btu by State.

- 1960 through 1997: Calculated by EIA as the consumption-weighted average of national-level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS.

  Anthracite conversion factors:

  — Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for."

  Bituminous coal and lignite conversion factors:

  — 1960 through 1973: Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed in the residential and commercial sector by the ratios of 1960 through 1973 national averages for the sector to its 1974 average.

  — 1974 through 1997: Calculated by EIA by assuming that the bituminous coal and lignite consumed in the residential and commercial sector in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to the residential and commercial sector in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.

- 1998 through 2000: Calculated by EIA from the average heat content of coal received for the residential and commercial sectors combined as reported on Form EIA-860, "Annual Electric Generator Report."

For States that are not represented in data on the Form EIA-860, it is assumed that the heat content of the coal receipts in residential and commercial sectors are equivalent to the heat content of coal received in the other industrial sector as reported on Form EIA-3A, "Annual Coal Quality Report—Manufacturing." For States that are not represented in either Form EIA-3A data or Form EIA-860 data (CT, NH, RI, VT and DC), the heat content of coal receipts in MA is used for CT, NH, RI and VT and the heat content of coal receipts in MD is used for DC, since the origin of the coal receipts are similar.

- 2001 through 2007: Calculated by EIA from the coal distribution data reported on Form EIA-6A, "Coal Distribution Report - Annual," and the average heat content of coal reported on FERC Form 423 and Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants." Form EIA-6A provides distribution data for the combined residential and commercial sectors by State of origin to the destination State. FERC Form 423 and Form EIA-423 provide the average heat content of coal produced in the State of origin.
- 2008 forward: Calculated by EIA using unpublished data as the average heat content of coal received at commercial and institutional establishments consuming more than 1,000 short tons of coal annually from Form EIA-3, "Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users."

CLHCPUS — Coal consumed by the residential and commercial sectors in the United States.

- 1960 through 1972: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, Chapter "Coal–Pennsylvania Anthracite Annual" and Chapter "Coal–Bituminous and Lignite," Table titled, "Consumption of bituminous coal and lignite, by consumer class, with retail deliveries in the United States" column titled "Retail deliveries to other consumers" or "Retail sales."
- 1973 through 1984: EIA, *Weekly Coal Production*, August 9, 1986, Table 7.
- 1985 through 1987: EIA, *Weekly Coal Production*, July 16, 1988, Table 6.
- 1988 through 1990, 1992 through 1995: EIA, *Quarterly Coal Report, October–December* for each year. Data are from the report of the following year, i.e., 1988 final data are published in the *Quarterly Coal Report, October–December 1989.* The specific tables are:
  - 1988 through 1990: Table 29.
  - 1992 through 1994: Table 51.
  - 1995: Table 43.
- 1991, 1996 through 1999: EIA, *Coal Industry Annual 2000,* Table 75.
- 2000: EIA, *Annual Coal Report 2001*, Table 27.
- 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/back issues.html.

CLHDPZZ — Coal distributed to the residential and commercial sectors by State.

- 1960 through 1979: No data available. The 1980 State data are used for years 1960 through 1979.
- 1980 forward: The distribution data are published in:
  - 1980 through 1984: EIA, *Coal Distribution, January-December 1984*, Table 21.
  - 1985 through 1989: EIA, *Coal Distribution, January-December 1989*, Table 15.
  - 1990 and 1991: EIA, *Coal Distribution, January-December* for each year, Table 16.
  - 1992 through 1994: EIA, *Quarterly Coal Report, October-December* for the following year, Table 10.
  - 1995 through 1997: Unpublished data from Form EIA-6.
  - 1998 through 2000: EIA, *Coal Industry Annual* for each year, Table 64.
  - 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/backissues.html. EIA, *Domestic Distribution of U.S. Coal by Destination State, Consumer, Destination and Method of Transportation,* http://www.eia.gov/cneaf/coal/page/coaldistrib/coal_ distributions.html (2001-2008) and http://www.eia.gov/cneaf/coal/page/coaldistrib/a_distributions.html (2009).

CLKCKZZ — Factor for converting coal carbonized at coke plants from physical units to Btu by State.

- 1960 through 1997: Calculated by EIA as the consumption-weighted average of national-level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS.

Anthracite conversion factors:

— Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for."

Bituminous coal and lignite conversion factors:

— 1960 through 1972: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coal-Bituminous and Lignite," sum of columns "Beehive coke plants" and "Oven coke plants."

— 1973 through 1984: EIA, *Weekly Coal Production*, August 9, 1986, Table 8.

— 1985 through 1987: EIA, *Weekly Coal Production*, July 16, 1988, Table 7.

— 1988 through 1997: EIA, Unpublished data from Form EIA-5, "Coke Plant Report, Quarterly."

- 1998 through 2000: Calculated by EIA for 1998 using unpublished data from Form EIA-5, "Coke Plant Report, Quarterly." The 1998 State factors are used for 1999 and 2000.
- 2001 forward: Calculated by EIA from data reported on Form EIA-5, "Quarterly Coal Consumption and Quality Report, Coke Plants." Coke plant data on tons of coal carbonized to create coke, the volatilities of the coal carbonized, and conversion factors based on coal volatility are used to calculate average conversion factors by State.

CLKCPUS — Coal carbonized by coke plants in the United States.

- 1960 through 1972: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, chapter "Coal–Pennsylvania Anthracite Annual," and chapter "Coal–Bituminous and Lignite," table titled, "Consumption of Bituminous coal and lignite, by consumer class, and retail deliveries in the United States," sum of columns titled "Beehive coke plants" and "Oven coke plants."
- 1973 through 1984: EIA, *Weekly Coal Production*, August 9, 1986, Table 7.
- 1985 through 1987: EIA, *Weekly Coal Production*, July 16, 1988, Table 6.
- 1988 through 1995: EIA, *Quarterly Coal Report, October–December* for each year. Data are from the report of the following year, i.e., 1988 final data are published in the *Quarterly Coal Report, October–December 1989. The specific tables are:*

  — 1988 through 1990: Table 27.

  — 1991 through 1994: Table 48.

  — 1995: Table 40.
- 1996 through 1999: EIA, *Coal Industry Annual 2000,* Table 73.
- 2000: EIA, *Annual Coal Report 2001*, Table 27.
- 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/back issues.html.

CLKDPZZ — Coal distributed to coke plants by State.

- 1960 through 1979: Series is the sum of an anthracite data series and a bituminous coal and lignite data series:

  Anthracite:

  — No data available. The 1980 State data are used for years 1960 through 1979.

  Bituminous coal and lignite:

  — 1960 through 1976: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coal-Bituminous and Lignite."

  — 1977 through 1979: EIA, *Energy Data Reports*, "Coal-Bituminous and Lignite." The specific tables are:

    - 1977: "Comparative Summary of Distribution of Bituminous Coal and Lignite Produced in the United States During the First Nine Months of 1977" and "Distribution of Bituminous Coal and Lignite Produced in the United States During October-December 1977, by Geographic Division and State Destination."
    - 1978: "Distribution of Bituminous Coal and Lignite Produced in the United States."
    - 1979: "Overall Summary of Distribution of Bituminous, Subbituminous, and Lignite Coal Produced in the United States."
- 1980 forward: Consumption data became available for some States and are used for this distribution series when available. See Additional Note 1 on page 15 for an explanation of the estimation methodology.

  — 1980 through 1995: EIA, *Quarterly Coal Report, October-December* for each year. Data are from the report of the following year,

i.e., 1982 final data are published in the *Quarterly Coal Report, October-December 1983*. The specific tables are:
- 1980: Unpublished data.
- 1981 through 1983: Table 25.
- 1984, 1985, and 1987: Table 27.
- 1986, 1988, and 1989: Unpublished State revisions that are components of the U.S. revisions published in the *Quarterly Coal Report, October-December 1991,* Table 45.
- 1990: Table 27.
- 1991 through 1994: Table 48.
- 1995: Table 40.

— 1996 through 1999: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Coal Industry Annual 2000,* Table 73.

— 2000: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report 2001*, Table 27.

— 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/backissues.html. EIA, *Domestic Distribution of U.S. Coal by Destination State, Consumer, Destination and Method of Transportation,* http://www.eia.gov/cneaf/coal/page/coaldistrib/coal_distributions.html (2001-2008) and http://www.eia.gov/cneaf/coal/page/coaldistrib/a_distributions.html (2009).

CLOCKZZ — Factor for converting coal consumed by industrial users other than coke plants from physical units to Btu by State.

- 1960 through 1997: Calculated by EIA as the consumption-weighted average of national level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS.

  Anthracite conversion factors:

  — Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for."

  Bituminous coal and lignite conversion factors:

  — 1960 through 1973: Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed by industrial users other than coke plants by the ratios of 1960 through 1973 national averages for the other industrial users to its 1974 average.

  — 1974 through 1997: Calculated by EIA by assuming that the bituminous coal and lignite consumed by industrial users other than coke plants in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to other industrial users in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.

- 1998 through 2000: Calculated by EIA from unpublished data as the average heat content of coal received at manufacturing plants (other than coke plants) consuming more than 1,000 short tons of coal reported on Form EIA-3A, "Annual Coal Quality Report—Manufacturing Plants."
- 2001 forward: Calculated by EIA using unpublished data as the average heat content of (1) coal received at manufacturing plants (other than coke plants) consuming more than 1,000 short tons of coal annually from Form EIA-3, "Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users," and predecessor forms; (2) coal distributed to agricultural, mining, and construction sectors reported on Form EIA-6A, "Coal Distribution Report - Annual" with heat contents for the coal producing State reported on FERC Form 423 and Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants" (discontinued after 2007); and (3) coal consumed by coal mining facilities reported on Form EIA-7A, "Coal Production Report," with heat contents for the coal producing State reported on Form EIA-923, "Power Plant Operations Report," and predecessor forms.

CLOCPUS — Coal consumed by industrial users other than coke plants in the United States.

- 1960 through 1972: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, Chapter "Coal–Pennsylvania Anthracite, Annual" and chapter "Coal–Bituminous and Lignite," table titled "Consumption of bituminous coal and lignite, by consumer class, and retail deliveries in the United States." Sum of columns titled "Steel and rolling mills," "Cement mills," and "Other manufacturing and mining industries."
- 1973 through 1984: EIA, *Weekly Coal Production*, August 9, 1986, Table 7.
- 1985 through 1987: EIA, *Weekly Coal Production*, July 16, 1988, Table 6.
- 1988 through 1999: EIA, *Quarterly Coal Report, October–December* for each year. Data are from the report of the following year, i.e., 1988 final data are published in the *Quarterly Coal Report, October–December 1989*. The specific tables are:
  - — 1988 through 1990: Table 28.
  - — 1991 through 1994: Table 49.
  - — 1995: Table 41.
  - — 1996 through 1999: Table 42.
- 2000: EIA, *Annual Coal Report 2001*, Table 27.
- 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/back issues.html.

CLODPZZ — Coal distributed to industrial plants (other than coke plants) by State.

- 1960 through 1979: Series is the sum of an anthracite data series and a bituminous coal and lignite data series:

  Anthracite:
  - — No data available. The 1980 State data are used for years 1960 through 1979.

  Bituminous coal and lignite:
  - — 1960 through 1976: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coal–Bituminous and Lignite."
  - — 1977 through 1979: EIA, *Energy Data Reports*, "Coal-Bituminous and Lignite." The specific tables are:
    - 1977: "Comparative Summary of Distribution of Bituminous Coal and Lignite Produced in the United States During the First Nine Months of 1977" and "Distribution of Bituminous Coal and Lignite Produced in the United States During October-December 1977, by Geographic Division and State Destination."
    - 1978: "Distribution of Bituminous Coal and Lignite Produced in the United States."
    - 1979: "Overall Summary of Distribution of Bituminous, Subbituminous, and Lignite Coal Produced in the United States."
- 1980 forward: Consumption data became available for some States and are used for this distribution series when available. See Additional Note 1 on page 15 for an explanation of the estimation methodology.
  - — 1980 through 1995: EIA, *Quarterly Coal Report, October-December* for each year. Data are from the report of the following year, i.e., 1982 final data are published in the *Quarterly Coal Report, October-December 1983*. The specific tables are:
    - 1980: Unpublished data.
    - 1981 through 1983: Table 26.
    - 1984 through 1990: Table 28.
    - 1991 through 1994: Table 49.
    - 1995: Table 41.
  - — 1996 through 1999: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Coal Industry Annual 2000,* Table 71.
  - — 2000: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report 2001*, Table 27.
  - — 2001 forward: EIA, unpublished data in short tons as published rounded to thousand short tons in EIA, *Annual Coal Report,* Table 26, http://www.eia.gov/cneaf/coal/page/acr/table26.html and http://www.eia.gov/cneaf/coal/page/acr/back issues.html.

CLRCSUS — Residential sector share of coal consumed by the residential and commercial sectors combined.

- 1960 forward: Calculated by EIA. It is first assumed that an occupied coal-heated housing unit consumes fuel at the same Btu rate as an oil-heated housing unit. Then, for the years in which data are available on the number of occupied housing units by heating source (1960, 1970, 1973 through 1981, and subsequent odd-numbered years), residential use of coal is estimated by the following steps: a ratio is created of the number of occupied housing units heated by coal to the number of housing units heated by oil; the ratio is multiplied by the Btu quantity of distillate fuel oil used by the

residential sector to estimate the Btu quantity of coal used by the residential sector; and the residential sector's share of residential and commercial use is calculated. The missing years' shares are interpolated.

## Net Imports of Coal Coke

### *Physical Units*

Net imports of coal coke is a component of total U.S. energy consumption. There is no attempt to estimate State allocations of this energy source and all of it is considered to be used by the industrial sector. Net imports of coal coke are included in the U.S. data but not in the State-level data in all tables of total energy consumption and industrial sector energy consumption. Variables for net imports of coal coke into the United States are:

CCIMPUS = coal coke imported into the United States, in thousand short tons; and
CCEXPUS = coal coke exported from the United States, in thousand short tons.

Net imports is calculated:

CCNIPUS = CCIMPUS – CCEXPUS

### *British Thermal Units (Btu)*

The factor for converting coal coke from short tons to Btu is 24.80 million Btu per short ton:

CCIMBUS = CCIMPUS * 24.80
CCEXBUS = CCEXPUS * 24.80
CCNIBUS = CCIMBUS – CCEXBUS

### *Data Sources for Net Imports of Coal*

CCEXPUS — Coal coke exported from the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coke and Coal Chemicals Annual."
- 1976 through 1979: EIA, *Energy Data Reports*, "Coke and Coal Chemicals Monthly."
- 1980 through 1990: EIA, *Quarterly Coal Report* (October–December of the following year). The specific tables are:
  - — 1980: Table 7.
  - — 1981 through 1984: Table A10.
  - — 1985 through 1990: Table A9.
- 1991 and 1992: Unpublished revisions from the EIA, Office of Energy Markets and End Use, Integrated Modeling Data System.
- 1993 through 1997: Unpublished revisions from the EIA, Office of Energy Markets and End Use, Integrated Modeling Data System, as published rounded in the EIA, *Quarterly Coal Report October–December 1999*, Table 2.
- 1998 forward: EIA, *Quarterly Coal Report* (October–December of the following year), Table 15 (1998 and 1999), Table 16 (2000), Table 17 (2001 through 2005), and Table 14 (2006 forward), http://www.eia.gov/FTPROOT/coal/qcrhistory.htm.

CCIMPUS — Coal coke imported into the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coke and Coal Chemicals Annual."
- 1976 through 1979: EIA, *Energy Data Reports*, "Coke and Coal Chemicals Monthly."
- 1980 through 1990: EIA, *Quarterly Coal Report* (October–December of the following year). The specific tables are:
  - — 1980: Table 8.
  - — 1981 through 1984: Table A12.
  - — 1985 through 1987: Table A11.
  - — 1988 through 1990: Table A10.
- 1991 and 1992: Unpublished revisions from the EIA, Office of Energy Markets and End Use, Integrated Modeling Data System.
- 1993 through 1997: Unpublished revisions from the EIA, Office of Energy Markets and End Use, Integrated Modeling Data System, as published rounded in the EIA, *Quarterly Coal Report October–December 1999*, Table 2.
- 1998 forward: EIA, *Quarterly Coal Report* (October–December of the following year), Table 19 (1998 and 1999), Table 20 (2000), Table 21 (2001 through 2005), and Table 18 (2006 forward), http://www.eia.gov/FTPROOT/coal/qcrhistory.htm.

# Section 3. Natural Gas

### *Physical Units*

Eight natural gas data series are used to derive the natural gas consumption estimates in the State Energy Data System (SEDS). Four of these data series are deliveries of natural gas to the end user by State and are used as consumption because actual consumption data at these levels are not available. The sources for the natural gas data are the *Natural Gas Annual* and *Electric Power Annual* published by the U.S. Energy Information Administration (EIA) and its predecessors. Data for recent years are also available on the EIA website. These series, in million cubic feet, for each State are as follows (the two-letter State code is represented by "ZZ" in the following variable names):

NGCCPZZ = natural gas delivered to the commercial sector (includes gas used by nonmanufacturing organizations, such as hotels, restaurants, retail stores, laundries, and other service enterprises) plus natural gas delivered to other consumers (includes deliveries to municipalities and public authorities for institutional heating and street lighting). Prior to 1996, includes gas used in agriculture, forestry, and fisheries;
NGEIPZZ = natural gas consumed by the electric power sector;
NGINPZZ = a portion of the natural gas delivered to the industrial sector (includes gas used as fuel and feedstock in chemical plants and to produce carbon black). Beginning in 1996, includes gas used in agriculture, forestry, and fisheries;
NGLEPZZ = natural gas consumed as lease fuel;
NGPLPZZ = natural gas consumed as plant fuel;
NGPZPZZ = natural gas consumed as pipeline fuel;
NGRCPZZ = natural gas delivered to the residential sector; and
NGVHPZZ = natural gas consumed as vehicle fuel.

The U.S. totals of these independent variables are calculated as the sum of the States' values.

The data are combined into the four major end-use sectors used in SEDS as closely as possible. However, natural gas data are collected using different aggregations of users. The industrial sector in SEDS is intended to contain energy used in agriculture, forestry, and fisheries. For natural gas, these categories are reported with commercial use of natural gas through 1995 and in the industrial sector for 1996 forward. These data cannot be separately identified and no adjustment for this end-use inconsistency is made in SEDS.

The residential sector's consumption of natural gas is represented by the variable for deliveries to the residential sector, NGRCPZZ.

The commercial sector's consumption of natural gas is represented by the variable for deliveries to the commercial sector, NGCCPZZ.

The industrial sector's consumption of natural gas in SEDS, NGICPZZ, is estimated to be the sum of natural gas delivered to the industrial sector, NGINPZZ, natural gas consumed as lease fuel, NGLEPZZ, and natural gas consumed as plant fuel, NGPLPZZ. SEDS contains lease and plant fuel data combined for 1960 through 1982; the combined data series is stored as NGLEPZZ. Beginning in 2001, Federal Offshore natural gas lease fuel for Alabama, Louisiana, and Texas are reported combined. See "Additional Notes" on page 25 for the method of estimating the individual State values.

NGICPZZ = NGINPZZ + NGLEPZZ + NGPLPZZ

The transportation sector's consumption of natural gas, NGACPZZ, is the sum of natural gas consumed in pipeline operations, primarily in compressors, NGPZPZZ, and natural gas consumed as vehicle fuel, NGVHPZZ. Prior to 1990, the small amounts of natural gas consumed as vehicle fuel are included in the commercial sector consumption and cannot be identified separately; therefore, NGVHPZZ is zero prior to 1990.

NGACPZZ = NGPZPZZ + NGVHPZZ

Electric power sector's consumption of natural gas is represented by the data series NGEIPZZ.

The total consumption of natural gas, estimated for each State, is the sum of the consumption by the end-use sectors and for electricity generation:

NGTCPZZ = NGRCPZZ + NGCCPZZ + NGICPZZ + NGACPZZ + NGEIPZZ

The U.S. consumption estimates for each of the sectors and the U.S. total are calculated as the sum of the States' values.

### *British Thermal Units (Btu)*

Three factors for each State are used for converting the consumption of natural gas from its physical units of million cubic feet into thousand Btu per cubic foot. Two of these State-level factors are:

NGEIKZZ = The factor for converting natural gas consumed by the electric power sector from physical units to Btu; and
NGTCKZZ = The factor for converting natural gas consumed by all sectors from physical units to Btu.

These two factors are used to derive a third factor, NGTXKZZ, for converting natural gas used by all sectors other than electric power from physical units to Btu:

NGTCBZZ = NGTCPZZ * NGTCKZZ
NGEIBZZ = NGEIPZZ * NGEIKZZ
NGTXKZZ = (NGTCBZZ – NGEIBZZ) / (NGTCPZZ – NGEIPZZ)

Natural gas consumption in Btu for the residential, commercial, industrial, and transportation sectors in each State is calculated by multiplying the physical unit data by the factor NGTXKZZ, such as:

NGRCBZZ = NGRCPZZ * NGTXKZZ

The U.S. consumption estimates in Btu for each of the sectors and the U.S. total are calculated as the sum of the States' Btu values, such as:

NGTCBUS = ΣNGTCBZZ
NGEIBUS = ΣNGEIBZZ
NGRCBUS = ΣNGRCBZZ

Prior to 1972, conversion factors for natural gas consumed for electricity generation were not collected; therefore, the factor for all natural gas consumed (NGTCKZZ) is used for electric power (NGEIKZZ) and for the other sectors (NGTXKZZ) for 1963 through 1971. Prior to 1963, State-level conversion factors for natural gas consumption were not collected and a standard factor of 1.035 thousand Btu per cubic foot is used for all sectors in all States.

### *Supplemental Gaseous Fuels*

Natural gas consumption contains a small amount of supplemental gaseous fuels (SGF). These fuels are introduced into or commingled with natural gas, and increase the volume available for disposition. Such fuels include, but are not limited to, synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas. Because SGF are mostly derived from fossil fuels, which are already accounted for, they are removed from total energy consumption in Btu (see Sections 6 and 7) to eliminate any double counting.

Annual data on SGF supplies in physical units are available for each State from 1980 forward in EIA's *Natural Gas Annual*. For all States except North Dakota, this data series is used to approximate SGF contained in the natural gas delivered to users. See "Additional Note 2" on page 26 for the method of assigning North Dakota SGF supplies to North Dakota and other States for consumption. Unknown quantities of SGF are included in the Btu consumption data for 1979 and earlier years.

NGSFPZZ = supplemental gaseous fuels supplies by State in million cubic feet.

It is assumed that SGF are commingled with natural gas consumed by the commercial, other industrial, residential, and electric power sectors, but are not commingled with natural gas used for lease and plant fuel,

pipelines, or vehicle fuel. The estimated consumption of SGF within each sector is calculated using the sector's natural gas consumption share.

NGTZPZZ = NGCCPZZ + NGINPZZ + NGRCPZZ + NGEIPZZ

SFCCPZZ = NGSFPZZ * (NGCCPZZ / NGTZPZZ)
SFINPZZ = NGSFPZZ * (NGINPZZ / NGTZPZZ)
SFRCPZZ = NGSFPZZ * (NGRCPZZ / NGTZPZZ)
SFEIPZZ = NGSFPZZ * (NGEIPZZ / NGTZPZZ)

To convert SGF from physical units to Btu, the appropriate natural gas conversion factors are used:

SFCCBZZ = SFCCPZZ * NGTXKZZ
SFINBZZ = SFINPZZ * NGTXKZZ
SFRCBZZ = SFRCPZZ * NGTXKZZ
SFEIBZZ = SFEIPZZ * NGEIKZZ

Total SGF consumed by State in Btu is equal to the sum of the four sectors with SGF:

SFTCBZZ = SFCCBZZ + SFINBZZ + SFRCBZZ + SFEIBZZ

The U.S. consumption estimates for each of the variables and sectors and the U.S. total are calculated as the sum of the States' values.

### *Natural Gas Excluding Supplemental Gaseous Fuels in Btu*

To facilitate data users who prefer the double-counting of SGF be removed from natural gas, a set of variables is introduced for consumption of natural gas excluding supplemental gaseous fuels in Btu:

NNACBZZ = NGACBZZ
NNCCBZZ = NGCCBZZ - SFCCBZZ
NNICBZZ = NGICBZZ - SFINBZZ
NNRCBZZ = NGRCBZZ - SFRCBZZ
NNEIBZZ = NGEIBZZ - SFEIBZZ
NNTCBZZ = NGTCBZZ - SFTCBZZ

The U.S. total consumption is calculated as the sum of the States' values.

### *Additional Calculations*

Although SEDS does not use U.S.-level conversion factors for calculating natural gas consumption, these factors are calculated by SEDS for reference and are shown in the natural gas tables in Appendix B, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm:

NGEIKUS = NGEIBUS / NGEIPUS
NGTCKUS = NGTCBUS / NGTCPUS
NGTXKUS = (NGTCBUS – NGEIBUS) / (NGTCPUS – NGEIPUS)

To produce price and expenditure data, SEDS differentiates between natural gas used in the transportation sector as pipeline fuel, which is not sold and has no price, and natural gas purchased and consumed as vehicle fuel. SEDS also differentiates between natural gas used as lease and plant fuel by the natural gas industry, which is not costed, and natural gas purchased by industrial consumers. Btu values for the price and expenditure tables are calculated in SEDS as follows:

NGPZBZZ = NGPZPZZ * NGTXKZZ
NGVHBZZ = NGVHPZZ * NGTXKZZ
NGLPPZZ = NGLEPZZ + NGPLPZZ
NGLPBZZ = NGLPPZZ * NGTXKZZ

The U.S. totals for each series are calculated as the sum of the States' values.

### *Additional Notes*

1. Beginning with 2001 data, Federal offshore natural gas lease fuel consumption for Alabama, Louisiana, and Texas is reported combined under "Gulf of Mexico" in the source publication. To estimate each State's portion, data from the U.S. Department of Interior, Bureau of Ocean Energy Management, Regulations and Enforcement (formerly Minerals Management Service) on natural gas production for the Eastern Gulf, Central Gulf, and Western Gulf areas are totaled. Alabama's share of the Gulf of Mexico lease fuel consumption is calculated in proportion to the Eastern Gulf's share of the production total; Louisiana's share is the same proportion as the Central Gulf share, and the Texas share is in proportion to the Western Gulf share.

2. In general, SGF supplies are small relative to total natural gas consumption, and are assumed to be a good measure of SGF consumption. The only exception is North Dakota. Since 1985, North Dakota's volume of SGF supplies is significant and sometimes exceeds its total natural gas consumption. SEDS assumes that 10 percent of SGF produced in North Dakota is consumed in the State and the rest is distributed to Iowa, Illinois, and Indiana through the Northern Border Pipeline, according to the capacity of the pipeline going into each State. The percentage allocations of the supplemental gaseous fuels supplies in North Dakota are as follows:
   - From 1985 through 1998: North Dakota (10%), Iowa (90%).
   - From 1999 forward: North Dakota (10%), Iowa (62%), Illinois (22%), Indiana (6%).

### *Data Sources*

NGCCPZZ — Natural gas delivered to the commercial sector and to other consumers (municipalities and public authorities for institutional heating and street lighting), including natural gas consumed as vehicle fuel through 1989 and natural gas used in agriculture, forestry, and fisheries through 1995, by State.

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Natural Gas Production and Consumption," table titled "Number of consumers and volume of natural gas consumed by principal users in the United States," column "Commercial."
- 1967 through 1988: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/hnga_historical.html.
- 1989 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vcs_mmcf_a.htm.

NGEIKZZ — Factor for converting natural gas consumed by the electric power sector from physical units to Btu by State.

- 1960 through 1971: Assumed by the EIA to be equal to the thermal conversion factor for the consumption of natural gas by all users (NGTCKZZ).
- 1972 through 1982: Calculated annually by EIA by dividing the total heat content of natural gas received at steam electric plants 25 megawatts or greater by the total quantity received at those electric plants. The heat contents and quantities received are from the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."
- 1983 through 1988: The average heat content of natural gas received at steam electric plants 50 megawatts capacity or larger from FERC Form 423 and published from 1993 forward in Btu per cubic foot in the EIA, *Cost and Quality of Fuels for Electric Utility Plants,* Table 14, http://www.eia.gov/cneaf/electricity/cq/cq_sum.html. *Note*: For States that reported consumption on EIA-759 but were not large enough to report on FERC Form 423, factors were estimated by using previous years' factors or the factor for total natural gas consumption in the State.
- 1989 forward: Calculated by dividing the total heat content of natural gas received at electric power plants (including electric utilities, nonutility power plants and combined heat-and-power plants) by the total quantity consumed in physical units collected by EIA on Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia 906_920.html.

NGEIPZZ — Natural gas consumed by the electric power sector by State.

- 1960 through 1975: Federal Power Commission, News Release, "Power Production, Fuel Consumption, and Installed Capacity Data," table titled "Consumption of Fuel by Electric Utilities for Production of Electric Energy by State, Kind of Fuel, and Type of Prime Mover," sum of columns, "steam and gas turbine" and "internal combustion" under column heading "gas."
- 1976 through 1981: EIA, *Electric Power Annual* (1981), Table 67.
- 1982 through 1986: Unrounded data as published in rounded form in EIA, *Electric Power Annual, 1986*, Table 14.
- 1987: Unrounded data as published in rounded form in EIA, *Electric Power Annual 1988*, Table 13.
- 1988: Unrounded data as published in rounded form in EIA, *Electric Power Annual 1989*, Table 19.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

NGINPZZ — A portion of the natural gas delivered to the industrial sector, including natural gas used in agriculture, forestry, and fisheries beginning in 1996, by State.

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Natural Gas Production and Consumption," table titled "Number of consumers and volume of natural gas consumed by principal users in the United States." Sum of data in columns "Carbon black," "Refinery fuel," and "Other industrial fuel" (which includes electric utility fuel) minus data in column "Fuel used at electric utility plants."
- 1967 through 1992: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/hnga_historical.html.
- 1993 through 1996: Unpublished data comparable to data contained in the *Natural Gas Annual,* State Summaries tables.
- 1997 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vin_mmcf_a.htm.

NGLEPZZ — Natural gas consumed as lease fuel by State (includes natural gas consumed as plant fuel in 1960 through 1990).

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, Natural Gas chapter. State data are not available from 1960 through 1966, although U.S. totals are available. State estimates were calculated by apportioning the U.S. totals to the States on the basis of each State's share of the U.S. total in 1967.
- 1967 through 1982: EIA, *Natural Gas Annual 1994 Volume II*, Table 14.
- 1983 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vcl_mmcf_a.htm.

NGPLPZZ — Natural gas consumed as plant fuel by State.

- 1960 through 1982: Included with natural gas consumed as lease fuel (see NGLEPZZ).
- 1983 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia.gov/ dnav/ng/ng_cons_sum_a_EPG0_VCF_mmcf_a.htm.

NGPZPZZ — Natural gas consumed as pipeline fuel by State.

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Natural Gas Production and Consumption," table titled "Number of consumers and volume of natural gas consumed by principal users in the United States," column "Used as pipeline fuel."
- 1967 through 1992: EIA, *Natural Gas Annual 1994 Volume II*, Table 14.
- 1993 through 1996: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 15. This report is available only via the Internet at http://www.eia.gov/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/hnga.html.
- 1997 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vgp_mmcf_a.htm.

NGRCPZZ — Natural gas delivered to the residential sector, used as consumption, by State.

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Natural Gas Production and Consumption," table titled "Number of consumers and volume of natural gas consumed by principal users in the United States," column "Residential."
- 1967 through 1988: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/hnga_historical.html.
- 1989 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vrs_mmcf_a.htm.

NGSFPZZ ---- Supplemental gaseous fuels supplies by State.

- 1980 forward: EIA, *Natural Gas Annual*, Table 8, also available at http://www.eia. gov/dnav/ng/ng_prod_ss_a_EPG0_ovi_mmcf_a.htm.

NGTCKZZ — Factor for converting natural gas consumed by all users from physical units to Btu by State.

- 1960 through 1962: EIA adopted the thermal conversion factor of 1,035 Btu per cubic foot as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956*.
- 1963 through 1979: EIA adopted the thermal conversion factors calculated annually by the American Gas Association (AGA) and published in *Gas Facts*, an AGA annual.

- 1980 through 1996: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16, http://www.eia.gov/oil_gas/ natural_gas/data_publications/historical_natural_gas_annual/hnga.html.
- 1997 forward: EIA, *Natural Gas Annual*, Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications /natural_gas_annual/nga_historical.html and unpublished revisions.

NGVHPZZ — Natural gas delivered for use as vehicle fuel by State.

- 1960 through 1989: Included in natural gas consumed by the commercial sector (See NGCCPZZ).
- 1990 through 1991: EIA, *Historical Natural Gas Annual 1930 Through 2000,* Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications/historical_natural_gas_annual/hnga.html.
- 1992 through 2000: EIA, unpublished data from the Office of Coal, Nuclear, Electric, and Alternate Fuels (U.S. totals for 1992 forward and State values for 1997 forward) and from the Office of Energy Markets and End Use (State values for 1992 through 1996).
- 2001 forward: EIA, *Natural Gas Annual*, State Summaries tables, also available at http://www.eia. gov/dnav/ng/ng_cons_sum_a_EPG0_vdv_mmcf_a.htm.

# Section 4. Petroleum

## Petroleum Overview

The 25 petroleum products included in the State Energy Data System (SEDS) are explained in this section. For 10 of these products, the means of estimating their consumption by State is described in individual sections. The 10 petroleum products are:

- asphalt and road oil (AR)
- aviation gasoline (AV)
- distillate fuel oil (DF)
- jet fuel (JF)
- kerosene (KS)
- liquefied petroleum gases (LG)
- lubricants (LU)
- motor gasoline (MG)
- petroleum coke (PC)
- residual fuel oil (RF)

The remaining 15 products are described in the section "Other Petroleum Products" and include the following:

- crude oil, including lease condensate (CO)
- miscellaneous petroleum products (MS)
- natural gasoline (NA) (including isopentane)
- petrochemical feedstocks, naphtha less than 401° F (FN)
- petrochemical feedstocks, other oils equal to or greater than 401° F (FO)
- petrochemical feedstocks, still gas (FS)
- plant condensate (PL)
- pentanes plus (PP)
- special naphthas (SN)
- still gas (SG)
- unfractionated stream (US)
- waxes (WX)
- unfinished oils (UO)
- motor gasoline blending components (MB)
- aviation gasoline blending components (AB)

The last petroleum documentation section, "Petroleum Summaries," describes how the 25 petroleum products are combined for each major end-use sector's estimated consumption.

Table TN3 summarizes the petroleum products' end-use assignments in SEDS. Shown in this table are the first four letters of the seven-letter variable names used to identify all energy sources. The first two letters identify the petroleum product and the next two letters identify the end-use sector. For example, the table shows that the aviation gasoline estimated to be consumed by the transportation sector is all aviation gasoline consumed, and that there is some estimated consumption of lubricants in the industrial and transportation sectors, while distillate fuel oil is consumed in every sector.

## Asphalt and Road Oil

### *Physical Units*

There are no State-level consumption data for asphalt and road oil available. Therefore, State-level sales data are used to apportion the national consumption numbers to the States.

The asphalt and road oil sales data are in short tons, while the consumption data are in thousand barrels. Because the sales data are used only for

**Table TN3. Summary of Petroleum Products in the State Energy Data System**

| Petroleum Products | Residential Sector Estimated Consumption (RC) | | Commercial Sector Estimated Consumption (CC) | | Industrial Sector Estimated Consumption (IC) | | Transportation Sector Estimated Consumption (AC) | | Electric Power Sector Estimated Consumption (EI) | | Total Estimated Consumption (TC) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Asphalt and Road Oil (AR) | | | | | ARIC | | | | | = | ARTC |
| | | | | | + | | | | | | + |
| Aviation Gasoline (AV) | | | | | | | AVAC | | | = | AVTC |
| | | | | | | | + | | | | + |
| Distillate Fuel Oil (DF) | DFRC | + | DFCC | + | DFIC | + | DFAC | + | DFEI | = | DFTC |
| | + | | + | | + | | + | | + | | + |
| Jet Fuel (JF) | | | | | | | JFAC | | JFEU | = | JFTC |
| | | | | | | | + | | | | + |
| Kerosene (KS) | KSRC | + | KSCC | + | KSIC | | | | | = | KSTC |
| | + | | + | | + | | | | | | + |
| Liquefied Petroleum Gases (LG) | LGRC | + | LGCC | + | LGIC | + | LGAC | | | = | LGTC |
| | | | | | + | | + | | | | + |
| Lubricants (LU) | | | + | | LUIC | | LUAC | | | = | LUTC |
| | | | | | + | | + | | | | + |
| Motor Gasoline (MG) | | | MGCC | | MGIC | | MGAC | | | = | MGTC |
| | | | + | | + | | + | | | | + |
| Residual Fuel Oil (RF) | | | RFCC | | RFIC | + | RFAC | + | RFEI | = | RFTC |
| | | | | | + | | | | + | | + |
| Other Petroleum Products (PO) | | | PCCC[1] | + | POIC[2] | | | + | PCEI[1] | = | POTC |
| Total Petroleum (PA) | PARC | + | PACC | + | PAIC | + | PAAC | + | PAEI | = | PATC |

[1] "Other petroleum products" are consumed in the industrial sector with the exception of petroleum coke consumed by the commercial and electric power sectors.

[2] "Other petroleum products" consumed by the industrial sector comprises crude oil, including lease condensate; unfinished oils; plant condensate; aviation gasoline and motor gasoline blending components; natural gasoline; petrochemical feedstocks (naphtha less than 401° F, other oils equal to or greater than 401° F, and still gas); pentanes plus; special naphthas; still gas; unfractionated stream; waxes; miscellaneous petroleum products; and petroleum coke for industrial use.

apportioning the U.S. consumption data to the States, they do not need to be converted into thousand barrels.

The four data series that are used to estimate consumption of asphalt and road oil are ("ZZ" in the variable name represents the two-letter State code that differs for each State):

ASINPZZ = asphalt sold for use in the industrial sector of each State, in short tons (includes road oil from 1981 forward);
ASTCPUS = asphalt total consumed in the United States, in thousand barrels (includes road oil from 1983 forward);
RDINPZZ = road oil sold for use in the industrial sector of each State, in short tons (no data from 1983 forward); and
RDTCPUS = road oil total consumed in the United States, in thousand barrels (no data from 1983 forward).

All asphalt and road oil consumption are assigned to the industrial sector because they are used in construction activity. ASTCPUS represents total U.S. consumption of asphalt, and RDTCPUS represents total U.S. consumption of road oil. Both are the "product supplied" data series in the publication *Petroleum Supply Annual,* published by the U.S. Energy Information Administration (EIA). Beginning in 1983, asphalt product supplied includes road oil, and RDTCPUS is entered as zero in SEDS.

ASINPZZ represents all asphalt sold as paving products, as roofing products, and for all other uses. RDINPZZ represents all sales of road oil. These data are collected and published by the Asphalt Institute. Values for RDINPZZ for 1981 and 1982 are estimated as described under "Additional Notes" in this section. Beginning with 1983 data, when road oil is included in asphalt product supplied data in the source publication, RDINPZZ is entered as zero in SEDS.

To calculate State consumption estimates of asphalt, total sales of asphalt and road oil in the United States to the industrial sector are first calculated as the sum of the State data:

ASINPUS = ΣASINPZZ
RDINPUS = ΣRDINPZZ

Each State's consumption of asphalt in the industrial sector (ASICPZZ) is calculated to be in proportion to each State's sales:

ASICPZZ = (ASINPZZ / ASINPUS) * ASTCPUS
ASICPUS = ΣASICPZZ

RDICPZZ = (RDINPZZ / RDINPUS) * RDTCPUS
RDICPUS = ΣRDICPZZ

Since all consumption of asphalt and road oil are assumed to be in the industrial sector, their total consumption in each State equals the industrial sector consumption:

ASTCPZZ = ASICPZZ
RDTCPZZ = RDICPZZ

Asphalt and road oil consumption are added together:

ARICPZZ = ASICPZZ + RDICPZZ
ARICPUS = ΣARICPZZ
ARTCPZZ = ASTCPZZ + RDTCPZZ
ARTCPUS = ΣARTCPZZ

### *British Thermal Units (Btu)*

Asphalt and road oil have a heat content value of approximately 6.636 million Btu per barrel. This factor is applied to convert asphalt and road oil estimated consumption from physical units to Btu:

ARICBZZ = ARICPZZ * 6.636
ARICBUS = ΣARICBZZ

Because all asphalt and road oil are assumed to be used by the industrial sector, total asphalt and road oil consumption in each State and in the United States is assumed to equal the industrial sector consumption:

ARTCBZZ = ARICBZZ
ARTCBUS = ARICBUS

### *Additional Notes on Asphalt and Road Oil*

The Federal Government stopped collecting asphalt and road oil sales data in 1980 and the source for these numbers in recent years has been reports

published by the Asphalt Institute. When companies do not respond to the voluntary survey, the Asphalt Institute does not estimate quantities to compensate for the nonresponse. This can cause large fluctuation in sales from year to year for some States. There is an inherent problem in the methodology of using sales to estimate consumption because asphalt and road oil sold by a producer in one State may be easily transported across State lines and consumed in a neighboring State. The Asphalt Institute acknowledges this problem and estimates that, in any one year, about 15 States may have consumption estimates as much as 20 percent too high or too low.

Asphalt and road oil data for Maryland and the District of Columbia are published combined to avoid disclosure of proprietary data. Prior to being entered into SEDS, the combined data are allocated to each State based on their reported sales in 1974 (99.4 percent to Maryland and 0.6 percent to the District of Columbia) and the assumption that their relative proportions do not change significantly over time.

The EIA report series "Sales of Asphalt," and predecessor reports, which are the source for road oil sales by State (RDINPZZ) in SEDS for 1960 through 1980, was discontinued after the 1980 report. For 1981 and 1982, State estimates of road oil sales were created by first converting the annual total U.S. road oil product supplied data into short tons (one short ton contains 5.5 barrels of road oil). Then, the U.S. total road oil product supplied, in short tons, was disaggregated to each State in proportion to the State's share of total U.S. asphalt sales as reported in the Asphalt Institute's *Report on Sales of Asphalt in the U.S.*

For 2009, only the U.S. total of asphalt and road oil sales is available from the Asphalt Institute. To estimate State-level sales, the U.S. total has been disaggregated to each State in proportion to the State's share of total U.S. asphalt and road oil sales in 2008, as published in the 2008 *Asphalt Usage Survey for the United States and Canada*.

### *Data Sources for Asphalt and Road Oil*

ASINPZZ — Asphalt sold to the industrial sector by State.

- 1960 through 1977: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Asphalt," the specific tables are:
  - — 1960 through 1962: Table 6.
  - — 1963 through 1977: Table 5.
- 1978 through 1980: EIA, *Energy Data Reports*, "Sales of Asphalt," Table 2.
- 1981 through 1986: The Asphalt Institute, *Asphalt Usage 1987 United States and Canada*, Table B.
- 1987 and 1988: The Asphalt Institute, *Asphalt Usage 1988 United States and Canada*, Tables A and B for State data. *Asphalt Usage 1989 United States and Canada*, page 2 for revised U.S. totals. The Asphalt Institute did not publish corresponding revised State data but did advise EIA on an estimation procedure to adjust 19 State values to sum to the revised U.S. totals.
- 1989 through 1997: The Asphalt Institute, *Asphalt Usage United States and Canada*, table titled "U.S. Asphalt Usage."
- 1998 and 1999: The Asphalt Institute, *Asphalt Usage United States and Canada*, table titled "1998 vs. 1999 U.S. Asphalt Usage." 1998 data for Delaware, New Hampshire, Rhode Island, and Vermont are repeated for 1999 because nonresponse to the survey caused those States data for 1999 to be more than 75 percent lower than their 1998 values.
- 2000 forward: The Asphalt Institute, http://www.asphaltinstitute.org/, *Asphalt Usage Survey for the United States and Canada*, table titled "U.S. Asphalt Usage."

ASTCPUS — Asphalt total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." (Beginning in 1983, this variable includes road oil.) The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

RDINPZZ — Road oil sold to the industrial sector by State.

- 1960 through 1977: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Asphalt." The specific tables are:
  - — 1960 through 1962: Table 6.

— 1963 through 1977: Table 5.

- 1978 through 1980: EIA, *Energy Data Reports*, "Sales of Asphalt," Table 2.
- 1981 and 1982: EIA estimates. (See explanation in "Additional Notes" on page 32.)
- 1983 forward: Road oil is included in asphalt data. Value entered in SEDS as zero.

RDTCPUS — Road oil total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 2.
- 1983 forward: Road Oil is included in asphalt data. Value entered in SEDS as zero.

## Aviation Gasoline

### *Physical Units*

The three data series used to estimate consumption of aviation gasoline are:

AVMIPZZ = aviation gasoline issued to the military in each State, in thousand barrels;
AVNMMZZ = aviation gasoline sold to nonmilitary users in each State, in thousand gallons; and
AVTCPUS = aviation gasoline total consumed in the United States, in thousand barrels.

The U.S. Department of Transportation, Federal Highway Administration publishes the nonmilitary aviation gasoline sales data by State (AVNMMZZ) in *Highway Statistics*.

AVMIPZZ is the issues of aviation gasoline to the military in each State and is obtained from the U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center.

Total U.S. consumption of aviation gasoline (AVTCPUS) is the product supplied data series in the publication *Petroleum Supply Annual,* published by the U.S. Energy Information Administration (EIA).

The State-level data series are summed to provide totals for the United States:

$$AVMIPUS = \Sigma AVMIPZZ$$
$$AVNMMUS = \Sigma AVNMMZZ$$

The State sales of nonmilitary aviation gasoline data are converted from thousand gallons to thousand barrels (42 gallons = 1 barrel):

$$AVNMPZZ = AVNMMZZ / 42$$

The U.S. nonmilitary sales is the sum of the States' sales:

$$AVNMPUS = \Sigma AVNMPZZ$$

The total sales of aviation gasoline is estimated as the sum of nonmilitary sales and military issues:

$$AVTTPZZ = AVNMPZZ + AVMIPZZ$$
$$AVTTPUS = \Sigma AVTTPZZ$$

All aviation gasoline is assumed to be used by the transportation sector. An estimate of aviation gasoline consumption by the transportation sector by State (AVACPZZ) is calculated by assuming that each State consumes aviation gasoline in proportion to the amount sold to that State:

$$AVACPZZ = (AVTTPZZ / AVTTPUS) * AVTCPUS$$
$$AVACPUS = \Sigma AVACPZZ$$

Total aviation gasoline consumption in each State, AVTCPZZ, equals the transportation sector consumption in each State:

$$AVTCPZZ = AVACPZZ$$

### *British Thermal Units (Btu)*

Aviation gasoline has a heat content value of approximately 5.048 million Btu per barrel. This factor is applied to convert aviation gasoline estimated consumption from physical units to Btu:

AVACBZZ = AVACPZZ * 5.048
AVACBUS = ΣAVACBZZ

Because all aviation gasoline is assumed to be used for transportation, aviation gasoline total consumption in each State and in the United States equals the transportation sector consumption:

AVTCBZZ = AVACBZZ
AVTCBUS = ΣAVTCBZZ

### *Data Sources for Aviation Gasoline*

AVMIPZZ — Aviation fuel issued to the military in the United States by State.

- 1960 through 1974: No data are available. The 1977 data are used for each year.
- 1975 and 1976: No consistent data series are available. The 1977 data are used for both years.
- 1977 through 1988: U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center, Defense Energy Information System, military retail issues based on fiscal year data. The District of Columbia issues are assumed to be zero; therefore, values reported for the District of Columbia are added to Maryland.
- 1989 and 1990: U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center. State data for the fiscal year from two databases are summed: Defense Fuel Automated Management System (military wholesale issues) and Into-Plane Database (military purchases from commercial airports). Into-plane values reported for the District of Columbia are added to Virginia.
- 1991 forward: U.S. Department of Defense, Defense Logistics Agency, Defense Energy Supply Center. State data for the calendar year from two databases are summed: Defense Fuel Automated Management System (military wholesale issues) and Into-Plane Database (military purchases from commercial airports). Into-plane values reported for the District of Columbia are added to Virginia.

AVNMMZZ — Aviation gasoline sold to nonmilitary users by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24.
- 1965 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-24 in 1965 and Table MF-24 (1966 through 2006), and Table 8.4.3 (2007 forward).

AVTCPUS — Aviation gasoline total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Table 1.

## Distillate Fuel Oil

### *Physical Units*

Since State-level and end-use consumption data for distillate fuel oil (except for that consumed by the electric power sector) are not available, sales of distillate fuel oil into or within each State, published by the U.S. Energy Information Administration (EIA) in the *Fuel Oil and Kerosene Sales Report,* are used to estimate distillate fuel oil consumption. The following variable names have been assigned to the sales series, in thousand barrels ("ZZ" in the variable names represents the two-letter State code that differs for each State):

DFBKPZZ = distillate fuel oil sales for vessel bunkering use (i.e., the fueling of commercial or private boats, such as pleasure craft, fishing boats, tugboats, and ocean-going vessels, including vessels operated by oil companies, and fueling for

other marine purposes), excluding that sold to the Armed Forces;

DFCMPZZ = distillate fuel oil sales to commercial establishments for space heating, water heating, and cooking;

DFIBPZZ = distillate fuel oil sales to industrial establishments for space heating and for other industrial use (i.e., for all uses to mines, smelters, plants engaged in producing manufactured products, in processing goods, and in assembling), including farm use;

DFMIPZZ = distillate fuel oil sales to the Armed Forces, for all uses;

DFOCPZZ = distillate fuel oil sales for oil company use, including all fuel oil, crude oil, or acid sludge used as fuel at refineries, by pipelines, or in field operations;

DFOFPZZ = distillate fuel oil sales as diesel fuel for off-highway use in construction (i.e., earthmoving equipment, cranes, stationary generators, air compressors, etc.) and for off-highway uses other than construction (i.e., logging);

DFONPZZ = distillate fuel oil sales as diesel fuel for on-highway use (i.e., as engine fuel for trucks, buses, and automobiles);

DFOTPZZ = distillate fuel oil sales for all other uses not identified in other sales categories;

DFRRPZZ = distillate fuel oil sales to the railroads for use in fueling trains, operating railroad equipment, space heating of buildings, and other operations; and

DFRSPZZ = distillate fuel oil sales to the residential sector for space heating, water heating, and cooking, excluding farm houses.

Three additional data series are used in calculating distillate fuel oil consumption estimates:

DKEIPZZ = distillate fuel oil (including kerosene-type jet fuel before 2001) consumed by the electric power sector, in thousand barrels;

JKEUPZZ = kerosene-type jet fuel consumed by electric utilities, in thousand barrels; and

DFTCPUS = distillate fuel oil total consumed in the United States, in thousand barrels.

Distillate fuel oil consumed by the electric power sector is collected by EIA on Form EIA-923, "Power Plant Operations Report," and predecessor forms. (See Note 4 at the end of this distillate fuel oil section for further information on changes in this series' data definitions.) Before 2001, the data series DKEIPZZ includes kerosene-type jet fuel consumed at electric utilities that is identified as JKEUPZZ. The kerosene-type jet fuel is subtracted from the distillate fuel oil data and accounted for in the jet fuel data described in a following section of this documentation. Data for kerosene-type jet fuel consumed by electric utilities are available for 1972 through 1982 only. Consumption in all other years is assumed to be zero. From 2001 forward, jet fuel consumed by the electric power sector is grouped under waste/other oil and is not accounted for in SEDS. DKEIPZZ is continued to be used to represent distillate fuel oil consumed by the electric power sector.

Total consumption of distillate fuel oil in the United States, DFTCPUS, is the product supplied series in the EIA publication *Petroleum Supply Annual*.

All of the State-level data series listed above are summed to provide totals for the United States.

Next, the variables are combined as closely as possible into the major end-use sectors used in SEDS. The residential sector sales and the commercial sector sales contain only DFRSPZZ and DFCMPZZ, respectively.

The sales of distillate fuel oil to the industrial sector for each State, DFINPZZ, is the sum of the distillate fuel oil sales for industrial use, including industrial space heating and farm use (DFIBPZZ), for oil company use (DFOCPZZ), for off-highway use (DFOFPZZ), and for all other uses (DFOTPZZ). Data for DFOTPZZ are available through 1994. Starting in 1995, consumption is assumed to be zero:

$$DFINPZZ = DFIBPZZ + DFOCPZZ + DFOFPZZ + DFOTPZZ$$
$$DFINPUS = \Sigma DFINPZZ$$

The sales of distillate fuel oil to the transportation sector for each State, DFTRPZZ, is the sum of the distillate fuel oil sales for vessel bunkering, military use, railroad use, and the diesel fuel used on-highway:

$$DFTRPZZ = DFBKPZZ + DFMIPZZ + DFRRPZZ + DFONPZZ$$
$$DFTRPUS = \Sigma DFTRPZZ$$

Sales of distillate fuel oil to the residential, commercial, industrial, and transportation sectors are added to create a subtotal of sales to all sectors other than the electric utility sector, DFNDPZZ:

DFNDPZZ = DFRSPZZ + DFCMPZZ + DFINPZZ + DFTRPZZ
DFNDPUS = ΣDFNDPZZ

For 2001 forward, consumption of distillate fuel oil by the electric power sector (DFEIPZZ) is the same as the input series DKEIPZZ:

DFEIPZZ = DKEIPZZ

Before 2001, DFEIPZZ is calculated by subtracting the kerosene-type jet fuel consumed by electric utilities from DKEIPZZ:

DFEIPZZ = DKEIPZZ – JKEUPZZ

For all years, the U.S. total for this data series is summed:

DFEIPUS = ΣDFEIPZZ

The estimated U.S. distillate fuel oil consumption by all sectors other than the electric power sector, DFNCPUS, is calculated by subtracting the distillate fuel oil consumption by the electric power sector from the total U.S. distillate fuel oil consumption:

DFNCPUS = DFTCPUS – DFEIPUS

This U.S. subtotal of distillate fuel oil consumption by the four end-use sectors, DFNCPUS, is apportioned to the States by use of the end-use sectors' State-level sales data. The assumption is made that each State consumes distillate fuel oil in proportion to the amount of sales to that State:

DFNCPZZ = (DFNDPZZ / DFNDPUS) * DFNCPUS

The end-use sectors' subtotal for each State, DFNCPZZ, is further divided into estimates for the four end-use sectors in proportion to each sector's sales. The estimated residential sector consumption in each State, DFRCPZZ, is calculated:

DFRCPZZ = (DFRSPZZ / DFNDPZZ) * DFNCPZZ
DFRCPUS = ΣDFRCPZZ

The commercial sector's estimated consumption in each State, DFCCPZZ, is calculated:

DFCCPZZ = (DFCMPZZ / DFNDPZZ) * DFNCPZZ
DFCCPUS = ΣDFCCPZZ

The industrial sector's estimated consumption in each State, DFICPZZ, is calculated:

DFICPZZ = (DFINPZZ / DFNDPZZ) * DFNCPZZ
DFICPUS = ΣDFICPZZ

The transportation sector's estimated consumption in each State, DFACPZZ, is calculated:

DFACPZZ = (DFTRPZZ / DFNDPZZ) * DFNCPZZ
DFACPUS = ΣDFACPZZ

Total State distillate fuel oil consumption is the sum of the end-use sectors' consumption subtotal and the electric power sector consumption:

DFTCPZZ = DFNCPZZ + DFEIPZZ

### *British Thermal Units (Btu)*

Distillate fuel oil has a heat content value of approximately 5.825 million Btu per barrel. This factor is applied to convert distillate fuel oil estimated consumption for the five consuming sectors from physical units to Btu as shown in the following examples:

DFRCBZZ = DFRCPZZ * 5.825
DFCCBZZ = DFCCPZZ * 5.825
DFTCBZZ = DFRCBZZ + DFCCBZZ + DFICBZZ + DFACBZZ + DFEIBZZ

The U.S. Btu consumption estimates are calculated as the sum of all the States' data.

In the SEDS consumption tables, "Estimates of Energy Consumption by the Electric Power Sector," the data used in the column headed "Distillate" is the variable DKEIP, which inlcudes keorsene-type jet fuel before 2001, in physical units. The Btu variable, DKEIB, is calculated as follows (See page 43 for description of JKEUB):

| | | |
|---|---|---|
| DKEIBZZ | = DFEIBZZ | for 2001 forward |
| DKEIBZZ | = DFEIBZZ + JKEUBZZ | before 2001 |

DKEIBUS = ΣDKEIBZZ

### *Additional Notes on Distillate Fuel Oil*

1. "Deliveries" data are actually called "shipments" in the source document for 1960 and 1961; "consumption" for 1962 through 1966; "shipments" for 1967; "sales" from 1968 through 1978; "deliveries" for 1979 through 1987; and "sales" for 1988 forward.

2. State data for the variables DFONPZZ (on-highway use), DFOFPZZ (off-highway use), and DFOTPZZ (other) for 1967 are unavailable from published sources. These three variables compose the miscellaneous use category for distillate fuel oil, which is known for all years by State. State estimates of DFONPZZ and DFOFPZZ for 1967 were developed by dividing the 1966 values for DFONPZZ and DFOFPZZ by the 1966 total miscellaneous use for each State and applying these percentages to the 1967 total miscellaneous use for each State. The 1967 State estimates for DFOTPZZ are the remainder of the 1967 miscellaneous category after DFONPZZ and DFOFPZZ have been subtracted.

3. In 1979, EIA implemented a new survey form, EIA-172, to obtain deliveries of fuel oil and kerosene data and updated the list of respondents. (A detailed explanation is published in the *Energy Data Report,* "Deliveries of Fuel Oil and Kerosene in 1979.") In this survey form, certain end-use categories were redefined—in many cases to collect more disaggregated data. The reclassifications resulted in some end-use categories that were no longer comparable with those in previous surveys. Where discontinuities occurred, estimates for the pre-1979 years have been made in the State Energy Data System (SEDS) to conform with the 1979 fuel oil deliveries classifications. The pre-1979 deliveries estimates are not published in this report, but are used in SEDS to disaggregate the known U.S. total product supplied (consumption) into State and major end-use sector consumption estimates.

For distillate fuel oil deliveries in 1979, the end-use categories called "residential," "commercial," "industrial," and "farm" are available. The pre-1979 deliveries categories are called "heating" and "industrial" (which included farm use). While the pre-1979 categories individually are not continuous with the 1979 categories, their subtotals are related. That is, a general comparison can be made between the sum of residential, commercial, industrial, and farm deliveries in 1979 and the sum of heating and industrial deliveries in the pre-1979 years. Therefore, the following method was applied to present a comparable series for distillate fuel oil delivered to the residential, commercial, and industrial sectors:

- For each of the pre-1979 years, a subtotal was created for each State by adding each State's heating and industrial deliveries categories. A comparable 1979 subtotal was created by adding each State's residential, commercial, industrial, and farm deliveries categories.

- Residential, commercial, and industrial (including farm) shares of the subtotal in 1979 were calculated for each State.

- These 1979 end-use shares were then applied to each pre-1979 subtotal of distillate fuel oil deliveries in each State to create State estimates of end-use deliveries for 1960 through 1978.

The 1980 through 1982 distillate fuel oil deliveries data are based on the same survey as that used for 1979; therefore, the 1980 through 1982 data are directly comparable to 1979 data.

In 1984, EIA again updated the list of respondents for this survey, and the Form EIA-172 became the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report." EIA did not conduct a fuel oil and kerosene deliveries survey for 1983. The 1983 estimates in SEDS are based on 1984 data obtained from the Form EIA-821. Statistical procedures and methodologies used for the Form EIA-821 differ from those used in previous years. Therefore, the 1983 and forward sales data may not be directly comparable to the pre-1983 data. (In the source document, the deliveries data for 1983 forward are reported in

thousand gallons. These data are first converted to thousand barrels before being entered into SEDS.)

Some of the No. 2 diesel fuel reported as sold to the commercial and industrial sectors, DFCMPZZ and DFINPZZ, on the EIA forms may also be included in the on-highway data, DFONPZZ, obtained from the Federal Highway Administration. Included in the commercial sector is some diesel fuel consumed by government vehicles and school buses, and included in the industrial sector is some diesel fuel consumed by fleets of trucks. Because the specific quantities involved are unknown, SEDS reflects the diesel fuel consumption as reported in the EIA *Petroleum Marketing Monthly* and no attempt has been made to adjust the end-use reporting.

4. The data on fuel oil consumed by the electric power sector for all years and States are actual fuel oil consumption numbers collected from electric power plants on Form EIA-923, "Power Plant Operations Report," and predecessor forms. Due to changes in fuel oil reporting classifications on the predecessor forms over the years, it is not possible to develop a thoroughly consistent series for all years. However, over time, data more accurately disaggregating fuel oil into distillate fuel oil and residual fuel oil have become available. For 1960 through 1969, only data on total fuel oil consumed at electric utilities by State are available. For 1970 through 1979, fuel oil consumed by plant type (internal combustion and gas turbine plants combined and steam plants) by State are available. For 1980 through 2000, data on consumption of light fuel oil at all plant types combined and consumption of heavy fuel oil at all plant types combined are available by State. For 2001 forward, data on consumption of distillate fuel oil and residual fuel oil are available. In SEDS, the following assumptions have been made:

   - 1960 through 1969 — State estimates of fuel oil consumption by plant type have been created for each year by applying the shares of steam plants (primarily residual fuel oil) and internal combustion and gas turbine plants (primarily distillate fuel oil plus small amounts of jet kerosene) by State in 1970 to each year's total fuel oil consumption at electric utilities for 1960 through 1969.

   - 1970 through 1979 — fuel oil consumed by steam plants is assumed to equal residual fuel oil consumption, and fuel oil consumed by internal combustion and gas turbine plants is assumed to equal distillate fuel oil plus jet kerosene consumption.

   - 1980 through 2000 — total heavy oil consumption at all plant types is assumed to equal residual fuel oil consumption, and total light oil consumption at all plant types is assumed to equal distillate fuel oil plus jet kerosene consumption.

   The data series thus derived for SEDS for residual fuel oil and distillate fuel oil consumption by the electric power sector is considered to be actual consumption by the electric power for each State and each year.

### *Data Sources for Distillate Fuel Oil*

DFBKPZZ — Distillate fuel oil sales for vessel bunkering use by State, excluding that sold to the Armed Forces.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 17.
  - — 1962 and 1963: Table 16.
  - — 1964 and 1965: Table 15.
  - — 1966 through 1975: Table 11.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 11.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VVB_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VVB_Mgal_a.htm.

DFCMPZZ — Distillate fuel oil sales to the commercial sector for space heating, water heating, and cooking.

- 1960 through 1978: EIA estimates based on statistics of commercial sector deliveries of distillate fuel oil from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 1. State ratios based on 1979 commercial sector deliveries were applied to each State's sum of heating plus industrial (including farm use) deliveries categories from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 37.)
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VCS_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VCS_Mgal_a.htm.

DFIBPZZ — Distillate fuel oil sales to industrial establishments for space heating and for other industrial use, including farm use by State.

- 1960 through 1978: EIA estimates based on statistics of industrial sector deliveries of distillate fuel oil from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 1. State ratios based on 1979 industrial sector deliveries were applied to each State's sum of heating plus industrial (including farm use) deliveries categories from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 37.)
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_vin_Mgal_a.htm and http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VFM_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VFM_Mgal_a.htm and http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VFM_Mgal_a.htm.

DFMIPZZ — Distillate fuel oil sales to the Armed Forces for all uses by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - 1960 and 1961: Table 18.
  - 1962 and 1963: Table 17.
  - 1964 and 1965: Table 16.
  - 1966 through 1975: Table 12.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 12.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VMI_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VMI_Mgal_a.htm.

DFOCPZZ — Distillate fuel oil sales for use by oil companies by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - 1960 and 1961: Table 14.
  - 1962 and 1963: Table 13.
  - 1964 and 1965: Table 12.
  - 1966 through 1975: Table 9.

- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 9.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VOC_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VOC_Mgal_a.htm.

DFOFPZZ — Distillate fuel oil sales as diesel fuel for off-highway use by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 through 1962: Table 19.
  - — 1963 and 1964: Table 18.
  - — 1965 through 1967: Table 17.
  - — 1968 through 1975: Table 14.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 14.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD2D_VHF_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD2D_VHF_Mgal_a.htm.

DFONPZZ — Distillate fuel oil sales as diesel fuel for on-highway use by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 through 1962: Table 19.
  - — 1963 and 1964: Table 18.
  - — 1965 through 1967: Table 17.
  - — 1968 through 1975: Table 14.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 14.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD2D_VHN_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD2D_VHN_Mgal_a.htm.

DFOTPZZ — Distillate fuel oil sales for all other uses not identified in other sales categories.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 through 1962: Table 19.
  - — 1963 and 1964: Table 18.
  - — 1965 through 1967: Table 17.
  - — 1968 through 1975: Table 14.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 14.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly,* also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VOE_Mgal_a.htm.
- 1988 through 1994: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VOE_Mgal_a.htm.
- 1995 forward: Series discontinued; no data available. Values are assumed to be zero.

DFRRPZZ — Distillate fuel oil sales for use by railroads by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 16.
  - — 1962 and 1963: Table 15.
  - — 1964 and 1965: Table 14.
  - — 1966 through 1975: Table 10.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 10.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VRR_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VRR_Mgal_a.htm.

DFRSPZZ — Distillate fuel oil sales to the residential sector for space heating, water heating, and cooking.

- 1960 through 1978: EIA estimates based on statistics of residential sector deliveries of distillate fuel oil from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 1. State ratios based on 1979 residential sector deliveries were applied to each State's sum of heating plus industrial (including farm use) deliveries categories from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 37.)
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 4.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A12.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VRS_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821dst_a_EPD0_VRS_Mgal_a.htm.

DFTCPUS — Distillate fuel oil total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

DKEIPZZ — Distillate fuel oil consumed by the electric power sector, including kerosene-type jet fuel.

- EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms. The following assumptions have been made:
  - — 1960 through 1969: Only total fuel oil consumed at electric utilities by State is available. State estimates of distillate fuel oil consumption were created for each year by applying the shares of internal combustion and gas turbine plants (primarily distillate fuel oil plus small amounts of jet fuel) by State from 1970 to each

year's total fuel oil consumption at electric utilities for 1960 through 1969.
— 1970 through 1979: Fuel oil consumed by plant type by State is available. Fuel oil consumed by internal combustion and gas turbine plants combined is assumed to equal distillate and jet fuel consumption.
— 1980 through 2000: Consumption of light fuel oil at all plant types by State is available. This is assumed to equal distillate and jet kerosene consumption.
— 2001 forward: Consumption of distillate fuel oil is available.

JKEUPZZ — Kerosene-type jet fuel consumed by the electric utility sector. (See data sources for JKEUPZZ under "Jet Fuel" on page 44.)

## Jet Fuel

There are two types of jet fuel with different heat contents, kerosene-type jet fuel (JK) and naphtha-type jet fuel (JN), which are added in the State Energy Data System (SEDS) to give total jet fuel (JF). Jet fuel is used primarily for transportation, although small amounts of kerosene-type jet fuel are also used in the electric utility sector.

### Kerosene-Type Jet Fuel

#### *Physical Units*

Data series used to calculate kerosene-type jet fuel consumption estimates are ("ZZ" in the variable name represents the two-letter State code that differs for each State):

JKTCPUS = kerosene-type jet fuel total consumed, in thousand barrels;
JKEUPZZ = the electric utility sector consumption of kerosene-type jet fuel in each State, in thousand barrels; and
JKTTPZZ = kerosene-type jet fuel total sold, in thousand gallons.

Total U.S. consumption of kerosene-type jet fuel, JKTCPUS, is the product supplied data series in the publication *Petroleum Supply Annual,* published by the U.S. Energy Information Administration (EIA).

Kerosene-type jet fuel consumed by electric utilities, JKEUPZZ, is published by EIA in the *Cost and Quality of Fuels for Electric Utility Plants*. These data are available for 1972 through 1982 only. Consumption from 1983 forward is assumed to be zero in SEDS. Beginning in 2001, jet fuel used for power generation is included in waste/other oil in the source data file. Data for waste/other oil are not processed in SEDS because waste oil is not primary energy. Consumption of the petroleum products that produced the waste oil has been accounted for elsewhere.

Kerosene-type jet fuel total sold, JKTTPZZ, was collected by the Ethyl Corporation, Petroleum Chemicals Division, for 1960 through 1983, and is collected by the EIA for 1984 forward. The Ethyl Corporation data are sales to commercial users and are used to represent total sales based on the assumption that there is little military use of kerosene-type jet fuel during 1960 through 1983. (See Note 1 in the "Additional Notes" section for the source reference for this assumption.) The EIA data for 1984 forward include commercial and military sales. Data for 1984 through 1993 are taken from the EIA *Petroleum Marketing Annual* (*PMA*). Data for 1994 forward are taken from unpublished data in thousand gallons and are available in thousand gallons per day in the EIA *PMA*. Prior to 1994, withheld data are estimated by using averages of published months to fill in withheld months; subtracting published States from published PAD District totals; and assigning values based on previous years' quantities. Beginning in 1994, withheld data are interpolated using growth rates for recent available years. They include Arizona (2009), Delaware (1995, 1997, and 1998), Hawaii (2002-2004, 2008, and 2009), New Hampshire (2009), Oregon (2002-2004 and 2008), and Vermont (2009). Kerosene-type jet fuel sales in the District of Columbia are summed to be zero (1994-2009).

U.S. totals for the two State data series are calculated as the sum of the State data.

Most kerosene-type jet fuel is used by the transportation sector. The transportation sector consumption for the United States (JKACPUS) is estimated as the difference between the total kerosene-type jet fuel consumed and the electric utility consumption:

JKACPUS = JKTCPUS – JKEUPUS

It is assumed that kerosene-type jet fuel consumption in each State is in proportion to the amount sold in each State:

JKACPZZ = (JKTTPZZ / JKTTPUS) * JKACPUS

Total kerosene-type jet fuel by State is estimated as:

JKTCPZZ = JKACPZZ + JKEUPZZ

### *British Thermal Units (Btu)*

Kerosene-type jet fuel has a heat content value of approximately 5.670 million Btu per barrel. This factor is applied to convert kerosene-type jet fuel from physical units to Btu:

JKACBZZ = JKACPZZ * 5.670
JKACBUS = ΣJKACBZZ
JKEUBZZ = JKEUPZZ * 5.670
JKEUBUS = ΣJKEUBZZ
JKTCBZZ = JKTCPZZ * 5.670
JKTCBUS = ΣJKTCBZZ

### *Additional Notes on Kerosene-Type Jet Fuel*

1. An assumption is made that kerosene-type jet fuel use by the military in 1960 through 1983 is negligible. This assumption is based on product definitions from the American Petroleum Institute's *Standard Definitions for Petroleum Statistics, Technical Report No. 1, Third Edition (1981), page 13, which states that kerosene-type jet fuel is used primarily by commercial aircraft engines.*

2. Ethyl Corporation jet fuel sales to commercial users by State include some sales data that were improperly allocated between the States of Illinois and Indiana for 1960 through 1973. To adjust for this error, the average relative proportions of Illinois and Indiana sales from 1974 through 1978 were applied to the sum of the Illinois and Indiana sales in 1960 through 1973. From 1974 through 1983, sales data were correctly allocated.

3. Jet fuel sales in Illinois decreased sharply from 1984 forward, while sales in Indiana increased by about the same amount. It is possible that jet fuel for use at Chicago, Illinois, airports may have been purchased in Indiana. The same anomaly may have happened between New York and New Jersey beginning in 1981, when jet fuel for consumption at New York City airports may have been purchased in New Jersey. This is an inherent problem when using sales data as an indication of consumption, and no attempt has been made to adjust the numbers.

4. Prior to 1964, kerosene-type jet fuel was included in the total kerosene product supplied data in the source, the U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 2, "Salient Statistics of the Major Refined Petroleum Products in the United States." Table TN4 summarizes the derivation of kerosene and jet fuel consumption estimates (columns 4

**Table TN4. Estimate of U.S. Consumption of Kerosene and Jet Fuel for 1960 through 1963 (Thousand barrels)**

| Year | (1) Kerosene Demand, Including Commercial Jet Fuel | (2) Jet Fuel Demand, Military Use Only | (3) Sales of Kerosene for Commercial Jet Fuel Use | (4) Estimated Kerosene Consumption (1) – (3) | (5) Estimated Total Jet Fuel Consumption (2) + (3) |
|---|---|---|---|---|---|
| 1960 | 132,499 | 102,803 | 33,159 | 99,340 | 135,962 |
| 1961 | 144,435 | 104,436 | 47,187 | 97,248 | 151,623 |
| 1962 | 164,167 | 112,401 | 66,134 | 98,033 | 178,535 |
| 1963 | 172,212 | 115,237 | 75,236 | 96,976 | 190,473 |

and 5) from data published in the source (columns 1, 2, and 3) for 1960 through 1963. For 1964 and years following, kerosene and kerosene-type jet fuel are reported separately in the source documents.

5. Kerosene-type jet fuel consumed by electric utilities, JKEUPZZ, is published in the EIA *Cost and Quality of Fuels for Electric Utility Plants*. These data are available for 1972 through 1982 only. Consumption in all other years is assumed to be zero. State-level data for 1972 through 1974 are not available. The percentage of each State's consumption of the total U.S. consumption in 1975 was used to apportion the 1972 through 1974 national data to the States.

### *Data Sources for Kerosene-Type Jet Fuel*

JKEUPZZ — Kerosene-type jet fuel consumed by electric utilities by State.

- 1960 through 1971: No data available. Values are assumed to be zero.
- 1972 through 1974: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Fuel Oil and Kerosene," Table 15 footnote for U.S. value. These data were apportioned to the States by using the 1975 State proportions of the 1975 U.S. total from the source below.
- 1975 through 1979: Office of Electric Power Regulation, Federal Energy Regulatory Commission, *Annual Summary of Cost and Quality of Electric Utility Plant Fuels*, "Fuel Oil Deliveries for Combustion Turbine and Internal Combustion Units."
- 1980 through 1982: EIA, *Cost and Quality of Fuel for Electric Utility Plants*, Table 30.
- 1983 forward: Data not available. Values are assumed to be zero in SEDS.

JKTTPZZ — Kerosene-type jet fuel total sold by State.

- 1960 through 1983: Ethyl Corporation, Petroleum Chemicals Division, *Yearly Report of Gasoline Sales by States*, "Aviation Turbine Fuel Sales."
- 1984 and 1985: EIA, *Petroleum Marketing Annual 1985*, Volume 2.
  - — 1984: Table A6.
  - — 1985: Table 34.
- 1986 through 1988: EIA, *Petroleum Marketing Annual*, Table 46.
- 1989 through 1993: EIA, *Petroleum Marketing Annual*, Table 48.
- 1994 forward: Unpublished data in thousand gallons from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption." Data published in thousand gallons per day in EIA, *Petroleum Marketing Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html.
  - — 1994 through 2006: Table 49.
  - — 2007 forward: Table 46.

JKTCPUS — Kerosene-type jet fuel total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

## Naphtha-Type Jet Fuel

### *Physical Units*

Two data series are used to estimate naphtha-type jet fuel consumption:

JNTCPUS = naphtha-type jet fuel total consumed, in thousand barrels; and

JNMIPZZ = naphtha-type jet fuel issued to the military in each State, in thousand barrels.

Total U.S. consumption of naphtha-type jet fuel, JNTCPUS, is the product supplied data series in the publication *Petroleum Supply Annual,* published by the EIA. Beginning in 2005, it is included in "Miscellaneous Petroleum Products," and is assigned a zero value in SEDS.

It is assumed that all naphtha-type jet fuel is used in military aircraft engines. (See the Additional Notes at the end of this section for the source reference for this assumption.) Data on naphtha-type jet fuel issued to the military in each State, JNMIPZZ, are from the U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center.

The total U.S. military issues is the sum of the State data:

JNMIPUS = ΣJNMIPZZ

An estimate of naphtha-type jet fuel consumption by State, JNTCPZZ, is calculated by assuming that each State consumes naphtha-type jet fuel in proportion to the amount issued to the military in that State:

JNTCPZZ = (JNMIPZZ / JNMIPUS) * JNTCPUS

All naphtha-type jet fuel is assumed to be used for transportation purposes so the transportation consumption equals the estimated total consumption for each State and for the United States:

JNACPZZ = JNTCPZZ
JNACPUS = JNTCPUS

### British Thermal Units (Btu)

Naphtha-type jet fuel has a heat content value of approximately 5.355 million Btu per barrel. This factor is applied to convert naphtha-type jet fuel from physical units to Btu:

JNTCBZZ = JNTCPZZ * 5.355
JNTCBUS = ΣJNTCBZZ
JNACBZZ = JNTCBZZ
JNACBUS = JNTCBUS

### Additional Notes on Naphtha-Type Jet Fuel

1. An assumption is made that the naphtha-type jet fuel is for military use only. This assumption is based on product definitions from the American Petroleum Institute's *Standard Definitions for Petroleum Statistics*, Technical Report No. 1, Third Edition (1981), page 13, which states that naphtha-type jet fuel is used primarily by military aircraft engines.

2. Data on naphtha-type jet fuel issued to the military for each State (JNMIPZZ) are obtained from the U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center. There are no data available for 1960 through 1974, and the data available for 1975 and 1976 are not consistent; therefore, the 1977 values are used for 1960 through 1976 in SEDS. The data are reported by fiscal year for 1977 through 1988 and are taken from the Defense Energy Information System. For 1989 and 1990, fiscal-year data from two databases, Defense Fuel Automated Management System and the Into-Plane Database, are summed. For 1991 and 1992, data from the same two databases, reported by calendar year, are used.

3. Since total naphtha-type jet fuel product supplied is assumed to be zero beginning in 2005, naphtha-type jet fuel issued to the military is also assumed to be zero for 2005 forward.

### Data Sources for Naphtha-type Jet Fuel

JNMIPZZ — Naphtha-type jet fuel issued to the military in the United States.

- 1960 through 1974: No data are available. The 1977 data are used for each year.
- 1975 and 1976: No consistent data series are available. The 1977 data are used for both years.
- 1977 through 1987: The U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center, Defense Energy Information System, military retail issues based on fiscal year data. The District of Columbia issues are assumed to be zero; therefore, values reported for the District of Columbia are added to Maryland.
- 1988: U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center, average of 1987 data (see source above) and 1989 data (see source below).
- 1989 and 1990: U.S. Department of Defense, Defense Logistics Agency, Defense Fuel Supply Center, Defense Fuel Automated Management System, military wholesale issues based on fiscal year data.
- 1991 through 2004: U.S. Department of Defense, Defense Logistics Agency, Defense Energy Supply Center. State data for the calendar

year from two databases are summed: Defense Fuel Automated Management System (military wholesale issues) and Into-Plane Database (military purchases from commercial airports). Into-plane values reported for the District of Columbia are added to Virginia.
- 2005 forward: Value entered in SEDS as zero.

JNTCPUS — Naphtha-type jet fuel total consumed in the United States.
- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Data not reported separately. Volumes are included in "Miscellaneous Petroleum Products" in the *Petroleum Supply Annual*, Table 1. Value entered in SEDS as zero.

## Jet Fuel Totals

### *Physical Unit*

The following calculations are used to provide total jet fuel consumption estimates by end use in physical units:

JFACPZZ = JKACPZZ + JNACPZZ
JFACPUS = ΣJFACPZZ
JFEUPZZ = JKEUPZZ
JFEUPUS = JKEUPUS
JFTCPZZ = JFACPZZ + JFEUPZZ
JFTCPUS = ΣJFTCPZZ

### *British Thermal Units (Btu)*

The following calculations are used to provide total jet fuel consumption estimates by end use in Btu:

JFACBZZ = JKACBZZ + JNACBZZ
JFACBUS = ΣJFACBZZ
JFEUBZZ = JKEUBZZ
JFEUBUS = JKEUBUS
JFTCBZZ = JFACBZZ + JFEUBZZ
JFTCBUS = ΣJFTCBZZ

## Kerosene

### *Physical Units*

Because State-level and end-use consumption data for kerosene are not available, four data series published by U.S. Energy Information Administration (EIA) representing sales of kerosene into or within each State are used to estimate kerosene consumption. The fifth data series, the U.S. total consumption, is the product supplied series from the EIA *Petroleum Supply Annual*. The sales series are used to apportion the known U.S. total consumption into State-level estimates of end-use consumption. The following variable names have been assigned to the five data series ("ZZ" in the variable names represents the two-letter State code that differs for each State):

KSCMPZZ = kerosene sold to the commercial sector for heating, in thousand barrels;
KSIHPZZ = kerosene sold to the industrial sector for heating, in thousand barrels;
KSOTPZZ = kerosene sold for all other uses, including farm use, in thousand barrels;
KSRSPZZ = kerosene sold to the residential sector for heating, in thousand barrels; and
KSTCPUS = kerosene total consumed in the United States, in thousand barrels.

U.S. sales totals for each of the four State-level series are created by summing the State values.

The variables are combined as closely as possible into the major end-use sectors used in SEDS. The residential and commercial sectors contain only KSRSPZZ and KSCMPZZ, respectively.

The sales of kerosene to the industrial sector, KSINPZZ, for each State is the sum of kerosene sold for industrial space heating (KSIHPZZ) and kerosene sold for all other uses (KSOTPZZ), including farm use. Sales of kerosene to the industrial sector are calculated:

KSINPZZ = KSOTPZZ + KSIHPZZ
KSINPUS = ΣKSINPZZ

Total sales of kerosene in each State is the sum of these three sectors' sales:

KSTTPZZ = KSRSPZZ + KSCMPZZ + KSINPZZ
KSTTPUS = ΣKSTTPZZ

An estimate of each State's total consumption of kerosene is made by disaggregating the U.S. total consumption to the States in proportion to each State's sales share of the U.S. total sales:

KSTCPZZ = (KSTTPZZ / KSTTPUS) * KSTCPUS

Each State's residential sector sales percentage of total sales is applied to the State's estimated total consumption to create estimated residential sector consumption for the State, KSRCPZZ:

KSRCPZZ = (KSRSPZZ / KSTTPZZ) * KSTCPZZ

The commercial sector's estimated consumption in each State, KSCCPZZ, is calculated:

KSCCPZZ = (KSCMPZZ / KSTTPZZ) * KSTCPZZ

The industrial sector's estimated consumption in each State, KSICPZZ, is calculated:

KSICPZZ = (KSINPZZ / KSTTPZZ) * KSTCPZZ

U.S. totals for the three sectors' consumption estimates are the sums of the States' estimated consumption.

Data on kerosene consumed by the electric power sector are not available before 2003. Beginning in 2003, kerosene used for power generation is included in waste/other oil in the source data file. Data for waste/other oil are not processed in SEDS because waste oil is not primary energy. Consumption of the petroleum products that produced the waste oil has been accounted for elsewhere.

### *British Thermal Units (Btu)*

Kerosene has a heat content value of approximately 5.670 million Btu per barrel. This factor is applied to convert kerosene estimated consumption from physical units to Btu:

KSRCBZZ = KSRCPZZ * 5.670
KSCCBZZ = KSCCPZZ * 5.670
KSICBZZ = KSICPZZ * 5.670

Total estimated consumption of kerosene in Btu is the sum of the end-use consumption estimates.

KSTCBZZ = KSRCBZZ + KSCCBZZ + KSICBZZ

The U.S. Btu consumption estimates for the three consuming sectors and the U.S. total are calculated as the sum of the State-level data.

### *Additional Notes on Kerosene*

1. See Note 4 at the end of the "Kerosene-Type Jet Fuel" section on page 43 for comments concerning the inclusion of kerosene-type jet fuel with the kerosene total product supplied prior to 1964 in the source documents.

2. "Sales" data are actually called "shipments" in the source documents for 1960 and 1961; "consumption" for 1962 through 1966; "shipments" for 1967; "sales" from 1968 through 1978; "deliveries" for 1979 through 1983; and "sales" for 1984 forward.

3. In 1979, the U.S. Energy Information Administration (EIA) implemented a new survey form, EIA-172, to obtain deliveries of fuel oil and kerosene data and updated the list of respondents. (A detailed explanation is published in the *Energy Data Report* "Deliveries of Fuel Oil and Kerosene in 1979.") In this survey form, certain end-use categories were redefined—in many cases, to collect more disaggregated data. The reclassifications resulted in some end-use categories that were no longer comparable with those in previous surveys. Where

discontinuities occurred, estimates for the pre-1979 years have been made in SEDS to conform with the 1979 kerosene deliveries classifications. The pre-1979 deliveries estimates are not published in this report but are used in SEDS to disaggregate the known U.S. total product supplied (consumption) into State and major end-use sector consumption estimates.

For kerosene deliveries in 1979, the end-use categories called "residential," "commercial," and "industrial" are available. The pre-1979 deliveries category called "heating" is related to the sum of "residential," "commercial," and "industrial" in 1979. Therefore, the following method was applied to present a comparable series for kerosene delivered to the residential, commercial, and industrial sectors:

- A 1979 subtotal for heating was created by summing each State's residential, commercial, and industrial deliveries categories, thereby creating a comparable deliveries subtotal for all years.
- Residential, commercial, and industrial shares of the heating subtotal in 1979 were calculated for each State.
- These 1979 end-use shares were then applied to each pre-1979 heating subtotal in each State to create State estimates of end-use deliveries for 1960 through 1978.

The 1980 through 1982 kerosene deliveries data are based on the same survey as that used for 1979; therefore, the 1980 through 1982 data are directly comparable to 1979 data.

4. In 1984, EIA again updated the list of respondents for this survey, and the Form EIA-172 became the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report." EIA did not conduct a fuel oil and kerosene sales survey for 1983. The 1983 estimates in SEDS are based on 1984 data obtained from the Form EIA-821. Statistical procedures and methodologies used for the Form EIA-821 differ from those used in previous years and are described in the July 1985 issue of the EIA, *Petroleum Marketing Monthly*. Therefore, the 1983 and forward sales data may not be directly comparable to the pre-1983 data. (In the source document, the sales data for 1983 forward are reported in thousand gallons. These data were first converted to thousand barrels before being entered into SEDS.)

5. In 1975 through 1977, the industrial sector consumption of kerosene includes small quantities of kerosene-type jet fuel that were produced as jet fuel and sold as kerosene.

### *Data Sources for Kerosene*

KSCMPZZ — Kerosene sold to the commercial sector for heating.

- 1960 through 1978: EIA estimates based on statistics of commercial sector deliveries of kerosene from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene, in 1979," Table 3. State ratios based on 1979 commercial sector deliveries were applied to each State's heating deliveries category from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 47.)
- 1979 and 1980: EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene," Table 3.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 6.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983 through 1987: EIA, *Petroleum Marketing Monthly*. The specific tables are:
  - 1983: July 1985 issue, Table A14.
  - 1984: July 1986 issue, Table A4, subsequently revised in the EIA, Petroleum Navigator, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VCS_Mgal_a.htm.
  - 1985 and 1986: July 1987 issue, Table A6.
  - 1987: June 1988 issue, Table A6.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VCS_Mgal_a.htm, select Excel file labeled "Download Series History."

KSIHPZZ — Kerosene sold to the industrial sector for heating.

- 1960 through 1978: EIA estimates based on statistics of industrial sector deliveries of kerosene from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 3. State ratios based on 1979 industrial sector deliveries were applied to each State's

heating deliveries category from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 47.)

- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 3.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 6.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983 through 1987: EIA, *Petroleum Marketing Monthly*. The specific tables are:
  - — 1983: July 1985 issue, Table A14.
  - — 1984: July 1986 issue, Table A4, subsequently revised in the EIA, Petroleum Navigator, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_vin_Mgal_a.htm.
  - — 1985 and 1986: July 1987 issue, Table A6.
  - — 1987: June 1988 issue, Table A6.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_vin_Mgal_a.htm, select Excel file labeled "Download Series History."

KSOTPZZ — Kerosene sold for all other uses, including farm use.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 10.
  - — 1962 and 1963: Table 9.
  - — 1964 and 1965: Table 8.
  - — 1966 through 1975: Table 5.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 5.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene." Calculated as the sum of kerosene delivered for farm and other use from Table 3.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 6.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983 through 1987: EIA, *Petroleum Marketing Monthly*. The specific tables are:
  - — 1983: July 1985 issue, Table A14.
  - — 1984: July 1986 issue, Table A4, subsequently revised in the EIA, Petroleum Navigator, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VOE_Mgal_a.htm and http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VFM_Mgal_a.htm.
  - — 1985 and 1986: July 1987 issue, Table A6.
  - — 1987: June 1988 issue, Table A6.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VOE_Mgal_a.htm and http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VFM_Mgal_a.htm, select Excel file labeled "Download Series History."

KSRSPZZ — Kerosene sold to the residential sector for heating.

- 1960 through 1978: EIA, *Energy Data Report* "Deliveries of Fuel Oil and Kerosene in 1979," Table 3. State ratios based on 1979 residential sector deliveries were applied to each State's heating deliveries category from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 3, on page 47.)
- 1979 and 1980: EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene," Table 3.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 6.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983 through 1987: EIA, *Petroleum Marketing Monthly*. The specific tables are:
  - — 1983: July 1985 issue, Table A14.
  - — 1984: July 1986 issue, Table A4, subsequently revised in the EIA, Petroleum Navigator, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VRS_Mgal_a.htm.
  - — 1985 and 1986: July 1987 issue, Table A6.
  - — 1987: June 1988 issue, Table A6.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, http://www.eia.gov/dnav/pet/pet_cons_821ker_a_EPPK_VRS_Mgal_a.htm, select Excel file labeled "Download Series History."

KSTCPUS — Kerosene total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.

- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1988 forward: EIA, *Petroleum Supply Annual,* http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  — 1988 through 2004: Table 2.
  — 2005 forward: Table 1.

## Liquefied Petroleum Gases

Liquefied petroleum gases (LPG) in the State Energy Data System (SEDS) include: ethane (including ethylene), propane (including propylene), normal butane (including butylene), butane-propane mixtures, ethane-propane mixtures, and isobutane.

### *Physical Units*

The following data series used in SEDS to estimate LPG consumption represent sales or estimated sales by State in thousand gallons.

LGCBMZZ = LPG sold for internal combustion engine fuel use. Included are sales for use in all kinds of highway vehicles, forklifts, industrial tractors, and for use in oil field drilling and production;

LGHCMZZ = LPG sold for residential and commercial use. Included are sales for nonfarm private households for space heating, cooking, water heating, and other household uses, such as clothes drying and incineration. Also included are sales to nonmanufacturing organizations, such as motels, restaurants, retail stores, laundries, and other service enterprises, primarily for use in space heating, water heating, and cooking; and

LGTTPZZ = LPG total sales for all uses.

Beginning in 2008, these series were discontinued in American Petroleum Institute's (API) *Sales of Natural Gas Liquids and Liquefied Refinery Gases*. Only propane sales data are available at the State level. A new methodology has been developed to estimate State-level propane consumption and all other LPG consumption from 2008 forward. For propane consumption, API's State shares of propane sales are applied to the U.S. product supplied published in U.S. Energy Information Administration's (EIA) *Petroleum Supply Annual* (*PSA*). For all other LPG, State shares derived from the 2007 API report are used to allocate U.S. product supplied of LPG other than propane from *PSA* to the States. The adjusted propane sales for the residential and consumption sectors and for internal combustion engine fuel use are assigned to LGHCMZZ and LGCBMZZ respectively, and the sum of the adjusted propane sales and all other LPG sales are assigned to LGTTPZZ.

The U.S. totals for each of these State-level data series are calculated as the sum of the State values.

Total U.S. consumption of LPG is the product supplied data series in EIA *Petroleum Supply Annual:*

LGTCPUS = LPG total consumed in the United States, in thousand barrels.

Another variable is used in SEDS to estimate LPG consumption by the transportation sector:

LGTRSUS = the transportation sector share of LPG internal combustion engine sales.

Its computation is described in detail in Note 2 on page 52.

Similarly, variables are used in SEDS to estimate LPG consumption by the residential and commercial sectors:

LGRCSZZ = the residential sector share of LPG residential and commercial sales.

LGCCSZZ = the commercial sector share of LPG residential and commercial sales.

Their computation is described in detail in Note 3 on page 52.

Since the LPG sales data are in gallons, they must be converted to barrels (42 U.S. gallons per U.S. barrel) to be comparable to total consumption estimates. The formulas for calculating State sales data are:

LGCBPZZ = LGCBMZZ / 42
LGCBPUS = ΣLGCBPZZ
LGHCPZZ = LGHCMZZ / 42
LGHCPUS = ΣLGHCPZZ

It is also assumed that LPG sales to the residential and commercial sectors are equal to the consumption in those sectors. LPG consumption by the residential sector is estimated to be the residential share of propane sales for the residential and commerical sectors:

LGRCPZZ = LGHCPZZ * LGRCSZZ

LPG consumption by the commercial sector is estimated to be the commercial share of propane sales for the residential and commerical sectors:

LGCCPZZ = LGHCPZZ * LGCCSZZ

LPG consumption by the transportation sector is estimated to be the transportation share of the sales for internal combustion engine fuel:

LGACPZZ = LGCBPZZ * LGTRSUS

An estimate of each State's total LPG consumption (LGTCPZZ) is made by allocating the U.S. total consumption to the States in proportion to each State's share of the U.S. total sales:

LGTCPZZ = (LGTTPZZ / LGTTPUS) * LGTCPUS

Industrial sector consumption (LGICPZZ) for each State is the difference between the State's total LPG consumption and the sum of its residential, commercial, and transportation sectors' consumption:

LGICPZZ = LGTCPZZ – (LGRCPZZ + LGCCPZZ + LGACPZZ)

U.S. totals for the four end-use sector consumption estimates are calculated as the sums of the State estimates.

### *British Thermal Units (Btu)*

The factor for converting LPG from physical unit values to Btu, LGTCKUS, is calculated annually for 1967 forward by EIA as a consumption-weighted average of the heat contents of the component products (ethane, propane, butane, butane-propane, ethane-propane, and isobutane) as shown in Appendix B. LGTCKUS is shown in Table B1 on page 155 and the individual product heat contents are listed beginning on page 168. For 1960 through 1966, EIA adopted the Bureau of Mines thermal conversion factor of 4.011 million Btu per barrel.

This factor is used to estimate consumption in Btu for all States and end uses:

LGRCBZZ = LGRCPZZ * LGTCKUS
LGCCBZZ = LGCCPZZ * LGTCKUS
LGICBZZ = LGICPZZ * LGTCKUS
LGACBZZ = LGACPZZ * LGTCKUS

Total estimated consumption of LPG in Btu is the sum of the end-use consumption estimates:

LGTCBZZ = LGRCBZZ + LGCCBZZ + LGICBZZ + LGACBZZ

The U.S. Btu consumption estimates for the four sectors and total LGP are calculated as the sum of the State data.

### *Additional Notes on Liquefied Petroleum Gases*

1. Sales data for Maryland and the District of Columbia (D.C.) are combined in the source documents. Sales data are published in six categories through 2007. The percentages shown in Table TN5 are

**Table TN5. Percentages Used to Disaggregate Maryland and D.C. Combined LPG Sales Data**

| Sales Category | Maryland | D.C. |
|---|---|---|
| Residential and commercial | 99.9% | 0.1% |
| Internal combustion engine fuel | 98.9 | 1.1 |
| Industrial | 99.4 | 0.6 |
| Chemical | 100.0 | 0.0 |
| Utility gas | 100.0 | 0.0 |
| Miscellaneous | 100.0 | 0.0 |

applied to disaggregate the State data in each of the sectors for these years. From 2008 forward, the same percentages for the residential and commercial, and internal combustion engine fuel shown in Table TN5 are applied to the combined Maryland and D.C. sales for those sales categories. The percentages for the remaining categories are combined using the 2007 data for those categories, resulting in 99.79 percent for Maryland and 0.21 percent for D.C. These percentages are applied to the remaining volumes of the combined Maryland and D.C. sales.

2. Sales of LPG for internal combustion engine fuel use are divided between the transportation sector and the industrial sector by using LGTRSUS, the transportation sector's share of internal combustion engine use. LGTRSUS is estimated from data on "special fuels used on highways," a category that includes only LPG and diesel fuel. The special fuels data are published by the U.S. Department of Transportation, Federal Highway Administration (see MGSFPZZ on page 60). The quantity of LPG included in special fuels is estimated each year (the LPG portion ranges from 8.4 percent in 1960 to 0.6 percent in 2007). LGTRSUS is then derived by dividing the quantity of LPG included in special fuels used on highways by the quantity of LPG sold for internal combustion engine use. This U.S. factor is applied to the internal combustion engine use of each State. LGTRSUS values are shown in Table TN6.

3. The shares of propane used by the residential (LGRCS) and commercial (LGCCS) sectors for each State are based on propane sales data in the API report for 2003 forward. The average shares of 2003 through 2008 are applied to the earlier years. Data for LPG sold for residential and commercial use are then split into the two end-use sectors using these two variables.

4. LPG sales data by State and end-use categories for 1960 through 1982 are from EIA's "Sales of Liquefied Petroleum Gases and Ethane." In 1979, EIA modified the LPG sales survey, Form EIA-174, and changed the list of respondents. Because of the updated sampling frame, the 1979 through 1982 sales data may not be directly comparable to the pre-1979 sales when a different estimation procedure was used. Explanation of the discontinuities caused by the change in the 1979 sampling frame are provided in EIA's *Energy Data Report,* "Sales of Liquefied Petroleum Gases and Ethane in 1979."

Because of the change in survey techniques used for measuring LPG sales, many States' data were withheld from publication in the 1979 through 1982 LPG sales reports to avoid disclosure of company-level data. The consumption estimates in SEDS use all data published in the 1979 through 1982 LPG sales reports and estimates prepared by EIA's Office of Oil and Gas for data that were withheld from publication. (See Note 5 following for estimation procedures.)

Some end-use categories changed in 1979 due to redefinition of the classifications. One of these changes, for example, occurred with LPG sold to farms for household heating and cooking. Prior to 1979 these sales were reported as part of the residential and commercial category, while in 1979 they were counted in the farm use category that goes into the industrial sector in SEDS. No attempt has been made to adjust for this type of inconsistency.

The Form EIA-174 was cancelled after collection of 1982 data. The 1983 LPG consumption estimates are based on the assumption that LPG end-use sector demand in 1983 occurred in the same proportion

**Table TN6. Transportation Sector Share of LPG Internal Combustion Engine Use, 1960 Forward**

| Year | LGTRSUS | Year | LGTRSUS | Year | LGTRSUS |
|---|---|---|---|---|---|
| 1960 | 0.229 | 1977 | 0.478 | 1994 | 0.734 |
| 1961 | 0.258 | 1978 | 0.594 | 1995 | 0.416 |
| 1962 | 0.266 | 1979 | 0.536 | 1996 | 0.337 |
| 1963 | 0.273 | 1980 | 0.380 | 1997 | 0.278 |
| 1964 | 0.259 | 1981 | 0.671 | 1998 | 0.592 |
| 1965 | 0.290 | 1982 | 0.579 | 1999 | 0.364 |
| 1966 | 0.325 | 1983 | 0.578 | 2000 | 0.215 |
| 1967 | 0.368 | 1984 | 0.631 | 2001 | 0.204 |
| 1968 | 0.389 | 1985 | 0.440 | 2002 | 0.325 |
| 1969 | 0.341 | 1986 | 0.456 | 2003 | 0.373 |
| 1970 | 0.363 | 1987 | 0.375 | 2004 | 0.365 |
| 1971 | 0.423 | 1988 | 0.437 | 2005 | 0.513 |
| 1972 | 0.392 | 1989 | 0.428 | 2006 | 0.496 |
| 1973 | 0.384 | 1990 | 0.471 | 2007 | 0.370 |
| 1974 | 0.381 | 1991 | 0.426 | 2008 | 0.796 |
| 1975 | 0.406 | 1992 | 0.425 | 2009 | 0.629 |

as 1982 sector demand within each State; i.e., the 1983 LPG product supplied figure was allocated to the States by using the distribution of volumes consumed for 1982.

5. The following procedures were used to estimate the State end-use sales that were withheld from publication in the 1979-1982 LPG sales reports:

   - For each year, missing State total sales were estimated by allocating the sum of the missing State sales within each Petroleum Administration for Defense (PAD) District to the individual States, in proportion to the sum of the known end-use sales for those States.

   - Missing PAD District end-use totals for 1979 and 1980 were obtained by using the 1980 and 1981 sales reports. Missing PAD District chemical sales were estimated by allocating the total missing volume of chemical sales to the PAD District in proportion to the number of chemical plants in each PAD District. The remaining PAD District end-use totals were obtained by subtraction. For 1981 and 1982, no PAD District estimations were necessary because all PAD District end-use totals are known.

   - The published data and the estimated State and PAD District end-use totals were used to estimate missing State end-use sales volumes within a PAD District: missing State end-use sector values were estimated by allocating the missing volume for the State approximately proportional to the PAD District end-use sector totals.

6. Prior to 1979, State data for chemical use of LPG were withheld from publication, although they were included in the U.S. total in the tables in EIA's "Sales of Liquefied Petroleum Gases and Ethane" reports. Beginning in 1979, State-level chemical use data were published in the LPG sales reports, but data for several States were withheld. Estimates for the withheld data for chemical use sales for 1979 and 1980 were created by using the estimation procedure described in Note 5 above. Then the published and the estimated State data for 1979 were used to create State shares of the total U.S. chemical use sales. These percentage shares (shown in Table TN7) were applied to the total U.S. LPG chemical use sales in 1960 through 1978 to create State chemical use estimates. The chemical use estimates were added to the States' total LPG sales series, LGTTPZZ.

**Table TN7. State Shares of the Total U.S. LPG Sold for Chemical Use, 1960 Through 1978**

| State | Percent | State | Percent |
|---|---|---|---|
| Alabama | 0.000 | Montana | 0.000 |
| Alaska | 0.589 | Nebraska | 0.000 |
| Arizona | 0.000 | Nevada | 0.000 |
| Arkansas | 0.000 | New Hampshire | 0.000 |
| California | 2.667 | New Jersey | 2.040 |
| Colorado | 0.232 | New Mexico | 0.603 |
| Connecticut | 0.053 | New York | 0.000 |
| Delaware | 0.811 | North Carolina | 0.327 |
| District of Columbia | 0.000 | North Dakota | 0.000 |
| Florida | 0.000 | Ohio | 1.103 |
| Georgia | 0.699 | Oklahoma | 0.309 |
| Hawaii | 0.000 | Oregon | 0.000 |
| Idaho | 0.000 | Pennsylvania | 0.354 |
| Illinois | 7.066 | Rhode Island | 0.000 |
| Indiana | 0.243 | South Carolina | 0.021 |
| Iowa | 0.900 | South Dakota | 0.000 |
| Kansas | 0.451 | Tennessee | 0.000 |
| Kentucky | 2.548 | Texas | 57.425 |
| Louisiana | 20.566 | Utah | 0.000 |
| Maine | 0.012 | Vermont | 0.000 |
| Maryland | 0.050 | Virginia | 0.025 |
| Massachusetts | 0.009 | Washington | 0.000 |
| Michigan | 0.151 | West Virginia | 0.286 |
| Minnesota | 0.000 | Wisconsin | 0.000 |
| Mississippi | 0.315 | Wyoming | 0.091 |
| Missouri | 0.054 | United States | 100.000 |

7. For 1984 through 2007, the American Petroleum Institute (API), the Gas Processors Association, and the National LP-Gas Association jointly sponsored an LPG sales survey. The results are published in the API's report *Sales of Natural Gas Liquids and Liquefied Refinery*

*Gases*. These data include sales of pentanes plus; the pentanes plus data were removed by EIA prior to use in SEDS.

Beginning in 1997, API incorporated additional imports and exports data in their estimates. Those trade data are also removed by EIA prior to use in SEDS.

### *Data Sources for Liquefied Petroleum Gases*

LGCBMZZ — LPG sold for internal combustion engine use by State.

Note: Data for Maryland and the District of Columbia are combined for all years. The method for disaggregating the data is explained in Note 1, on page 52.

- 1960 through 1967: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Liquefied Petroleum Gases and Ethane." The specific tables are:
  - — 1960 and 1961: Table 5 (data called "Shipments").
  - — 1962 through 1966: Table 2 (data called "Consumption").
  - — 1967: Table 2 (data called "Shipments").
- 1968 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1976 through 1980: EIA, *Energy Data Reports*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, "Sales of Liquefied Petroleum Gases and Ethane," Table 3.
- 1983: EIA estimates.

Note: For 1984 forward, some data are adjusted and estimated by EIA. (See explanation in Note 7, on page 53.)

- 1984 through 1988: American Petroleum Institute, *1990 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 24 through 33.
- 1989 through 1991: American Petroleum Institute, *1992 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 4, 5, 18, and 19.
- 1992 through 2007: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table 3.
- 2008 forward: EIA estimates based on propane sold for internal combustion engine use by State, published by the American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table B.

LGCCSZZ — Commercial sector share of residential and commercial sales of LPG.

- 1960 through 2002: EIA estimates based on the residential and commerical shares of propane used by the residential and commercial sectors published by the American Petroleum Institute.
- 2003 through 2007: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table 3.
- 2008 forward: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table B.

LGHCMZZ — LPG sold for residential and commercial use by State.

Note: Data for Maryland and the District of Columbia are combined for all years. The method for disaggregating the data is explained in Note 1, on page 51.

- 1960 through 1967: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Liquefied Petroleum Gases and Ethane." The specific tables are:
  - — 1960 and 1961: Table 5 (data called "Shipments").
  - — 1962 through 1966: Table 2 (data called "Consumption").
  - — 1967: Table 2 (data called "Shipments").
- 1968 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1976 through 1980: EIA, *Energy Data Reports*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, "Sales of Liquefied Petroleum Gases and Ethane," Table 3.
- 1983: EIA estimates.

Note: For 1984 forward, some data are adjusted and estimated by EIA. (See explanation in Note 7, on page 53.)

- 1984 through 1988: American Petroleum Institute, *1990 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 24 through 33.
- 1989 through 1991: American Petroleum Institute, *1992 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 4, 5, 18, and 19.
- 1992 through 2007: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table 3.
- 2008 forward: EIA estimates based on propane sold for residential and commercial use by State, published by the American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table B.

LGRCSZZ — Residential sector share of residential and commercial sales of LPG.

- 1960 through 2002: EIA estimates based on the residential and commerical shares of propane used by the residential and commercial sectors published by the American Petroleum Institute.
- 2003 through 2007: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table 3.
- 2008 forward: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table B.

LGTCKUS — Factor for converting LPG from physical units to Btu.

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Crude Petroleum and Petroleum Products, 1956," Table 4 footnote, constant value of 4.011 million Btu per barrel.
- 1967 forward: Calculated annually by EIA as a weighted average by multiplying the quantity consumed of each of the component products by each product's conversion factor and dividing the sum of those heat contents by the sum of the quantities consumed. The component products are ethane (including ethylene), propane (including propylene), normal butane (including butylene), butane-propane mixtures, ethane-propane mixtures, and isobutane. Their heat content conversion factors are listed in Appendix B beginning on page 168. Quantities consumed are from:
  - 1967 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
  - 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
    - 1981 through 2004: Table 2.
    - 2005 forward: Table 1.

LGTCPUS — LPG total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa m_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Table 1.

LGTRSUS — The transportation sector share of LPG internal combustion engine sales.

- EIA estimates based on the LPG portion of the special fuels used on highways published by the U.S. Department of Transportation, Federal Highway Administration (variable MGSFPUS in SEDS), as a percentage of the LPG sold for internal combustion engine use published by the American Petroleum Institute (variable LGCBMUS in SEDS). For an explanation of the estimation method, see Note 2, on page 52.

LGTTPZZ — LPG total sales for all uses by State.

Note: Data for Maryland and the District of Columbia are combined for all years. The method for disaggregating the data is explained in Note 1, on page 52.

- 1960 through 1967: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Liquefied Petroleum Gases and Ethane." The specific tables are:
  - 1960 and 1961: Table 5 (data called "Shipments").
  - 1962 through 1966: Table 2 (data called "Consumption").
  - 1967: Table 2 (data called "Shipments").
- 1968 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1976 through 1980: EIA, *Energy Data Reports*, "Sales of Liquefied Petroleum Gases and Ethane," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, "Sales of Liquefied Petroleum Gases and Ethane," Table 3.
- 1983: EIA estimates.

Note: For 1984 forward, some data are adjusted and estimated by EIA. (See explanation in Note 7, on page 53.)

- 1984 through 1988: American Petroleum Institute, *1990 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 24 through 33.
- 1989 through 1991: American Petroleum Institute, *1992 Sales of Natural Gas Liquids and Liquefied Refinery Gases*, pages 4, 5, 18, and 19.
- 1992 through 2007: American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases,* Table 3.

- 2008 forward: EIA estimates based on total propane sold by State, published by the American Petroleum Institute, *Sales of Natural Gas Liquids and Liquefied Refinery Gases*, Table B.

## Lubricants

### *Physical Units*

Three data series are used to estimate State consumption of lubricants. The two State-level sales data series are used to apportion the U.S. total consumption data to the States and the end-use sectors within the States. "ZZ" in the variable names represents the two-letter State code that differs for each State:

LUINPZZ = lubricants sold to the industrial sector, in thousand barrels;
LUTRPZZ = lubricants sold to the transportation sector, in thousand barrels; and
LUTCPUS = lubricants total consumed in the United States, in thousand barrels.

Data for the first two variables are developed from the Bureau of the Census reports "Sales of Lubricating and Industrial Oils and Greases" in the *Current Industrial Reports* series. These series were discontinued in 1977 and the method of estimation for 1978 forward is explained in Note 1 at the end of this "Lubricants" section. The third variable for lubricants is the product supplied data series in the U.S. Energy Information Administration's (EIA) *Petroleum Supply Annual.* The first two variables are used for apportioning the third into State total consumption and State end-use consumption estimates.

Total sales of lubricants for each State, LUTTPZZ, is created by adding the industrial and transportation sales:

LUTTPZZ = LUINPZZ + LUTRPZZ

U.S. sales totals are calculated by summing the State sales data.

Each State's proportion of total U.S. sales is used to calculate each State's estimated consumption of lubricants:

LUTCPZZ = (LUTTPZZ / LUTTPUS) * LUTCPUS

Each State's estimated total consumption of lubricants is further divided into end-use estimates in proportion to that State's sales by sector as a portion of total sales in the State. Lubricants consumed by State for industrial use, LUICPZZ, and for transportation use, LUACPZZ, are calculated:

LUICPZZ = (LUINPZZ / LUTTPZZ) * LUTCPZZ
LUACPZZ = (LUTRPZZ / LUTTPZZ) * LUTCPZZ

The consumption of lubricants in the United States by these two end-use sectors is created by summing the State estimates.

### *British Thermal Units (Btu)*

Lubricants have a heat content value of approximately 6.065 million Btu per barrel. This factor is applied to convert lubricants estimated consumption from physical units to Btu:

LUICBZZ = LUICPZZ * 6.065
LUACBZZ = LUACPZZ * 6.065

The State total consumption in Btu is the sum of the two sectors' consumption in Btu:

LUTCBZZ = LUICBZZ + LUACBZZ

The U.S. sector and total consumption estimates in Btu are calculated as the sum of the State data.

### *Additional Notes on Lubricants*

1. The lubricants sales data (LUINPZZ and LUTRPZZ) were published approximately every other year by the Bureau of the Census until the discontinuation of the series after 1977. Each year's sales data have been used to calculate that year's and at least one other year's consumption estimates. Table TN8 specifies which years of consumption estimates depend on which years of the sales data.

**Table TN8. Lubricants Sales Data Used in Consumption Estimates**

| Year of Sales Data | Year of Consumption Estimates |
|---|---|
| 1960 | 1960 and 1961 |
| 1962 | 1962, 1963, and 1964 |
| 1965 | 1965 and 1966 |
| 1967 | 1967 and 1968 |
| 1969 | 1969 and 1970 |
| 1971 | 1971 and 1972 |
| 1973 | 1973 and 1974 |
| 1975 | 1975 and 1976 |
| 1977 | 1977 forward |

2. The sales data from the source document for LUINPZZ and LUTRPZZ are available in incompatible units. The industrial series, LUINPZZ, is oils and greases sold for industrial lubricating and other uses measured in thousand gallons. The transportation series, LUTRPZZ, is oils and greases sold for automotive and aviation uses measured in thousand pounds. Prior to use in SEDS, these were converted to thousand barrels by dividing the oil data by 42 gallons per barrel and dividing the greases data by 300 pounds per barrel. In the source document, some State data are not published to avoid disclosing figures for individual companies. The undisclosed data were entered as zero in SEDS.

### *Data Sources for Lubricants*

LUINPZZ — Lubricants sold to the industrial sector by State. Calculated from:

- U.S. Department of Commerce, Bureau of the Census, *Current Industrial Reports*, "Sales of Lubricating and Industrial Oils and Greases," for 1960, 1962, 1965, 1967, 1969, 1971, 1973, 1975, and 1977. (See explanation in Notes 1 and 2 above.)

LUTCPUS — Lubricants total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, Table 2, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Table 1.

LUTRPZZ — Lubricants sold to the transportation sector by State. Calculated from:

- U.S. Department of Commerce, Bureau of the Census, *Current Industrial Reports*, "Sales of Lubricating and Industrial Oils and Greases," for 1960, 1962, 1965, 1967, 1969, 1971, 1973, 1975, and 1977. (See explanation in Notes 1 and 2 above.)

## Motor Gasoline

### *Physical Units*

Nine data series are used to estimate the State end-use consumption of motor gasoline. Eight of the series are from the U.S. Department of Transportation, Federal Highway Administration publication, *Highway Statistics*, and represent sales of motor gasoline. The sales data are categorized as sales for highway and nonhighway use:

- **Highway Use** sales data (MGMFP) are from the *Highway Statistics* Table 8.4.2 (previously Table MF-21); however, they are reduced by the amount of highway "special fuels" (MGSFP) used in each State each year as reported on Table MF-25 (prior to 1994), Table MF-21 (1994 throuh 2006) and Table 8.4.2 (2007 forward). Special fuels are primarily diesel fuels, not motor gasoline, and are included in the transportation sector of distillate fuel oil.

- **Nonhighway Use** sales are further subdivided into sales for: (1) public use by States, counties, and municipalities (MGPNP) from Table

8.4.2, and (2) private and commercial use as reported on Table 8.4.3 (previously MF-24). The private and commercial nonhighway use of motor gasoline has the following components: agricultural use (MGAGP), industrial and commercial use (MGIYP), construction use (MGCUP), marine use (MGMRP), and miscellaneous and unclassified uses (MGMSP). Another component of the private and commercial nonhighway series is aviation gasoline (AVNMM), which is discussed under the "Aviation Gasoline" section of this documentation.

The ninth motor gasoline data series (MGTCPUS) is the total U.S. consumption of motor gasoline published in the product supplied series in the EIA publication *Petroleum Supply Annual*.

The nine motor gasoline data series are ("ZZ" in the variable names represent the two-letter State code that differs for each State):

MGAGPZZ = motor gasoline sold for agricultural use in each State, in thousand gallons;
MGCUPZZ = motor gasoline sold for construction use in each State, in thousand gallons;
MGIYPZZ = motor gasoline sold for industrial and commercial use in each State, in thousand gallons;
MGMFPZZ = motor fuel sold for highway use in each State, in thousand gallons;
MGMRPZZ = motor gasoline sold for marine use in each State, in thousand gallons;
MGMSPZZ = motor gasoline sold for miscellaneous and unclassified uses in each State, in thousand gallons;
MGPNPZZ = motor fuel sold for public nonhighway use in each State, in thousand gallons;
MGSFPZZ = special fuels (primarily diesel fuel with small amounts of liquefied petroleum gases) sold in each State, in thousand gallons; and
MGTCPUS = motor gasoline total consumed in the United States, in thousand barrels.

U.S. totals for the eight State-level series named above are calculated as the sum of the State data.

The transportation sector accounts for most of the motor gasoline sales. Sales to the transportation sector is estimated to be the sum of motor fuel sales for marine use and for highway use (minus the sales of special fuels, which are primarily diesel fuels and are accounted for in the transportation sector of distillate fuel oil). Sales of motor gasoline to the transportation sector in each State (MGTRPZZ) is calculated:

MGTRPZZ = MGMFPZZ + MGMRPZZ – MGSFPZZ

Two sales data series are added to estimate motor gasoline sales to the commercial sector: miscellaneous (including unclassified) and public nonhighway sales. Sales of motor gasoline to the commercial sector in each State (MGCMPZZ) is calculated:

MGCMPZZ = MGMSPZZ + MGPNPZZ

Sales of motor gasoline for use in the industrial sector in each State (MGINPZZ) is calculated as the sum of the sales for agricultural use, for construction use, and for industrial and commercial use:

MGINPZZ = MGAGPZZ + MGCUPZZ + MGIYPZZ

Total sales of motor gasoline in each State (MGTTPZZ) is calculated as the sum of the sales to the major sectors:

MGTTPZZ = MGCMPZZ + MGINPZZ + MGTRPZZ

U.S. totals for the three end-use sectors' sales and for total sales are calculated as the sum of the States' sales.

The motor gasoline sales data for the three end-use sectors in each State are used to apportion the U.S. total consumption of motor gasoline to the States and to the major end-use sectors within each State.

The estimated consumption of motor gasoline in each State is calculated according to each State's share of the total sales. Estimated consumption of motor gasoline in each State (MGTCPZZ) is calculated:

MGTCPZZ = (MGTTPZZ / MGTTPUS) * MGTCPUS

The commercial sector estimated consumption of motor gasoline (MGCCPZZ) is calculated:

MGCCPZZ = (MGCMPZZ / MGTTPZZ) * MGTCPZZ

The industrial sector estimated consumption (MGICPZZ) is calculated:

MGICPZZ = (MGINPZZ / MGTTPZZ) * MGTCPZZ

The transportation sector estimated consumption (MGACPZZ) is calculated:

MGACPZZ = (MGTRPZZ / MGTTPZZ) * MGTCPZZ

The consumption of motor gasoline by major end-use sector in the United States is estimated by summing the States' estimated consumption.

### *British Thermal Units (Btu)*

A national factor, MGTCKUS, is used to convert motor gasoline consumption from physical units to British thermal units for each State. A constant heat content of 5.253 million Btu per barrel is used for 1960 through 1993. Beginning in 1994, an annual quantity-weighted average factor for conventional, reformulated, and oxygenated motor gasoline is calculated by EIA. The factors, listed in Table B1 on page 155, are used for each State:

MGCCBZZ = MGCCPZZ * MGTCKUS
MGICBZZ = MGICPZZ * MGTCKUS
MGACBZZ = MGACPZZ * MGTCKUS
MGTCBZZ = MGCCBZZ + MGICBZZ + MGACBZZ

The U.S. level Btu consumption estimates are calculated by summing the State data.

### *Additional Calculations*

To assist data users in the analysis of consumption of renewable energy sources, which include fuel ethanol, versus non-renewable energy sources, which include motor gasoline, a new data series, motor gasoline excluding fuel ethanol, is created for each State and the United States:

From 1993 forward:
MMTCB = MGTCB - EMTCB

EMTCB is fuel ethanol minus denaturant. See discussion on fuel ethanol in Section 5, "Renewable Energy."

Prior to 1993, fuel ethanol was not included in the motor gasoline data series from the source:
MMTCB = MGTCB

Motor gasoline excluding fuel ethanol is used only in the tables showing energy consumption by source. For consumption by end-use sector, motor gasoline is defined as the product consumed by the end-users, that is, including fuel ethanol.

### *Data Sources for Motor Gasoline*

MGAGPZZ — Motor gasoline sold for agricultural use by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24.
- 1965 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-24 in 1965, Table MF-24 (1966 through 2006) and Table 8.4.3 (2007 forward).

MGCUPZZ — Motor gasoline sold for construction use by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24.
- 1965 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-24 in 1965, Table MF-24 (1966 through 2006) and Table 8.4.3 (2007 forward).

MGIYPZZ — Motor gasoline sold for industrial and commercial use by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24.
- 1965 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-24 in 1965, Table MF-24 (1966 through 2006) and Table 8.4.3 (2007 forward).

MGMFPZZ — Motor fuel sold for highway use by State.

- 1960 through 1995: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics Summary to 1995*, Table MF-221 gives revised U.S. totals. State revisions can be calculated by adding data from Tables MF-225 and MF-226.
- 1996 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table MF-21 (1996 through 2006) and Table 8.4.2 (2007 forward).

MGMRPZZ — Motor gasoline sold for marine use by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24.
- 1965 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-24 in 1965 and Table MF-24 (1966 through 2006) and Table 8.4.3 (2007 forward).

MGMSPZZ — Motor gasoline sold for miscellaneous uses by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-24. Sum of the "Miscellaneous" column plus the "Unclassified" column minus the "Total Classified" column.
- 1965: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Table G-24. Sum of the "Miscellaneous" column plus the "Unclassified" column minus the "Total Classified" column.
- 1966 through 1981: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table MF-24, sum of the "Miscellaneous" and the "Unclassified" columns.
- 1982 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*,http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table MF-24 (1982 through 2006) and Table 8.4.3 (2007 forward), the "Miscellaneous" column.

MGPNPZZ — Motor fuel sold for public nonhighway use by State.

- 1960 through 1964: U.S. Department of Commerce, Bureau of Public Roads, *Highway Statistics*, Table G-21.
- 1985, 1987, and 1992: Unpublished revised State data comparable to the U.S. values published in *Highway Statistics Summary to 1995*, Table 221.
- 1965 through 1984, 1986, 1988 through 1991, and 1993 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics* http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table G-21 in 1965, Table MF-21 (1996 through 2006) and Table 8.4.2 (2007 forward).

MGSFPZZ — Motor gasoline special fuels sales by State (primarily diesel fuel with small amounts of liquefied petroleum gases).

- 1960 through 1995: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics, Summary to 1995*, Table MF-225.
- 1996 forward: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.cfm, Table MF-21 (1996 through 2006) and Table 8.4.2 (2007 forward).

MGTCKUS — Factor for converting motor gasoline from physical units to Btu.

- 1960 through 1993: EIA adopted the Bureau of Mines thermal conversion factor of 5.253 million Btu per barrel for "Gasoline, Motor Fuel" as published by the Texas Eastern Transmission Corporation in Appendix V of *Competition and Growth in American Energy Markets 1947-1985*, a 1968 release of historical and projected statistics.
- 1994 forward: EIA calculates national annual quantity-weighted average conversion factors for conventional, reformulated, and oxygenated motor gasolines (shown in Appendix B Table B1 on page 155). The factor for conventional motor gasoline is 5.253 million Btu per barrel, as used for previous years. The factors for reformulated and oxygenated gasolines, both currently 5.150 million Btu per barrel, are based on data published in the Environmental Protection Agency, Office of Mobile Sources, National Vehicle and Fuel Emissions Laboratory report EPA 420-F-95-003, *Fuel Economy Impact Analysis of Reformulated Gasoline*, http://www.epa.gov/otaq/rfgecon.htm.

MGTCPUS — Motor gasoline total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.
  For 1960 through 1963, motor gasoline was combined with aviation gasoline and published as "gasoline" in the source table.

Table 19 in the "Petroleum Statement, Annual" titled "Salient Statistics of Aviation Gasoline" provided separate data for aviation gasoline for those years. The aviation gasoline data from the second table were subtracted from the gasoline data in the first table to derive the motor gasoline consumption series used in SEDS.

- 1976 through 1980: EIA, *Energy Data Reports*. "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Table 1.

## Petroleum Coke

In the State Energy Data System consumption tables, petroleum coke is included in the category "other petroleum products" (see descriptions beginning on page 70 and summary table on page 30).

### *Physical Units*

Seven data series are used to estimate the consumption of petroleum coke. Five are measures of petroleum coke consumption and two are indicators of industrial activity used to apportion U.S. industrial petroleum coke consumption to the States. "ZZ" in the variable name represents the two-letter State code that differs for each State:

PCTCPUS = petroleum coke total consumed in the United States, in thousand barrels;
PCEIMZZ = petroleum coke consumed by the electric power sector in each State, in thousand short tons;
PCC3MZZ = petroleum coke consumed for combined heat and power in the commercial sector in each State, in thousand short tons;
PCI3MZZ = petroleum coke consumed for combined heat and power in the industrial sector in each State, in thousand short tons;
PCRFPZZ = petroleum coke used at refineries as both catalytic and marketable coke in each State, or group of States, or Petroleum Administration for Defense (PAD) district, in thousand barrels;
CTCAPZZ = catalytic cracking charge capacity of petroleum refineries in each State, in barrels per calendar day (1960 through 1979) and barrels per stream day (1980 forward); and
AICAPZZ = aluminum ingot production capacity in each State, in short tons.

The total consumption of petroleum coke in the United States (PCTCPUS) is the product supplied series from the U.S. Energy Information Administration (EIA) *Petroleum Supply Annual*.

Information on the amount of petroleum coke consumed for the purpose of generating electricity is available from the EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms. For the electric power sector (PCEIM), these data are available for 1970 forward. Prior to 1970, consumption is assumed to be zero. For 1989 forward, the electric power sector includes petroleum coke consumed by electric utilities and nonutility power producers whose primary business is to sell electricity or electricity and heat. Quantities of petroleum coke used by commercial (PCC3M) and industrial (PCI3M) facilities in combined-heat-and-power units are also available and are included in the commercial and industrial sectors, respectively.

The data for petroleum coke used to generate electricity are in thousand short tons and are converted into thousand barrels in the State Energy Data System (SEDS) by applying a conversion factor of 5 barrels per short ton, and the U.S. value is the sum of the State data:

PCEIPZZ = PCEIMZZ * 5
PCEIPUS = ΣPCEIPZZ

PCCCPZZ = PCC3MZZ * 5
PCCCPUS = ΣPCCCPZZ

PCI3PZZ = PCI3MZZ * 5
PCI3PUS = ΣPCI3PZZ

To estimate U.S. industrial consumption of petroleum coke, U.S. electric power and commercial consumption are subtracted from the total U.S. petroleum coke product supplied:

PCICPUS = PCTCPUS – PCEIPUS – PCCCPUS

In addition to combined-heat-and-power generation, petroleum coke is used in the industrial sector as catalyst coke at refineries in a process for increasing the yield of gasoline from crude oil (catalytic cracking) and for other industrial uses (mainly for conversion into electrodes that are consumed in the production of aluminum).

State-level estimates of the refinery consumption of petroleum coke are calculated by assuming that each State consumes petroleum coke in proportion to the catalytic cracking charge capacity (CTCAPZZ) of the refineries in the State. The U.S. total for the State-level data allocating series is calculated by summing the State data.

CTCAPUS = ΣCTCAPZZ

Petroleum coke consumed by refineries for 1960 through 1980 is available for some States while quantities for other States are grouped (G1 through G7 as indicated by GZ in the following formulas). The group quantities are allocated to the States within each group in proportion to each State's portion of the group's catalytic cracking charge capacity. For 1981 forward, PAD district data (P1 through P5 as indicated by PZ in the following formulas) are allocated in the same way to the States within each district:

PCRFPZZ = PCRFPZZ, or
PCRFPZZ = (CTCAPZZ / CTCAPGZ) * PCRFPGZ (1 through 7), or
PCRFPZZ = (CTCAPZZ / CTCAPPZ) * PCRFPPZ (1 through 5)
PCRFPUS = ΣPCRFPZZ

U.S. petroleum coke used at combined-heat-and-power plants (PCI3PUS) and at refineries (PCRFPUS) are subtracted from the U.S. industrial sector consumption to derive U.S. consumption of petroleum coke for all other industrial uses:

PCOCPUS = PCICPUS – PCI3PUS – PCRFPUS

State-level estimates of petroleum coke consumed by other industrial users, mainly aluminum production, are assumed to be in proportion to each State's aluminum ingot production capacity (AICAPZZ). For 1993 forward, State-level aluminum production capacity is adjusted to account for under-utilization of the plants. Although AICAPZZ is measured in short tons, it is not converted to thousand barrels because it is used only as a State-level allocator. The U.S. total is calculated as the sum of the State data and other industrial use of petroleum coke is allocated to the States as follows:

AICAPUS = ΣAICAPZZ
PCOCPZZ = (AICAPZZ / AICAPUS) * PCOCPUS

Industrial sector petroleum coke consumption by State is the sum of combined-heat-and-power industrial use, consumption at refineries, and all other industrial uses:

PCICPZZ = PCI3PZZ + PCRFPZZ + PCOCPZZ

Total petroleum coke consumption by State is the sum of commercial, industrial, and electric power sector use:

PCTCPZZ = PCCCPZZ + PCICPZZ + PCEIPZZ

### *British Thermal Units (Btu)*

Petroleum coke has a heat content value of approximately 6.024 million Btu per barrel. This factor is applied to convert estimated petroleum coke consumption from physical units to Btu by State; and the U.S. totals are the sum of the States' values:

PCCCBZZ = PCCCPZZ * 6.024
PCCCBUS = ΣPCCCBZZ

PCICBZZ = PCICPZZ * 6.024
PCICBUS = ΣPCICBZZ

PCEIBZZ = PCEIPZZ * 6.024
PCEIBUS = ΣPCEIBZZ

PCTCBZZ = PCCCBZZ + PCICBZZ + PCEIBZZ

PCTCBUS = ΣPCTCBZZ

### Additional Calculations

Additional calculations are performed in SEDS to provide petroleum coke consumption estimates for the price and expenditure calculations. The Btu equivalents of petroleum coke used at refineries (PCRFB), consumed for combined-heat-and-power generation (PCI3B), and consumed by all other industrial users (PCOCB) are calculated at the State and U.S. levels:

PCI3BZZ = PCI3PZZ * 6.024
PCI3BUS = ΣPCI3BZZ

PCOCBZZ = PCOCPZZ * 6.024
PCOCBUS = ΣPCOCBZZ

PCRFBZZ = PCRFPZZ * 6.024
PCRFBUS = ΣPCRFBZZ

### Additional Notes on Petroleum Coke

The source for petroleum coke used at refineries, PCRFPUS and PCRFPGZ, is the EIA *Petroleum Supply Annual* and predecessor reports. For 1960 through 1980, the data are provided in thousand short tons. For consistency with later years' data, the 1960 through 1980 data are first converted into thousand barrels before being used in SEDS. For 1960 through 1967, the data are published for Texas and New Mexico and for groups of other States. For 1968 through 1980, the data are given for 19 individual States with the remaining States are combined into 7 groups. The data for 1960 through 1967 are disaggregated into the 19 States and 7 groups used for the later years, prior to being entered into SEDS, by using the proportions of the 1968 data, which was published in both formats. For 1981 forward, the data are published by PAD districts only.

### Data Sources for Petroleum Coke

AICAPZZ — Aluminum ingot production capacity in each State.

- 1960 through 1973: American Bureau of Metal Statistics, *Year Book*.
- 1974 through 1994: American Bureau of Metal Statistics, *Non-Ferrous Metal Data*, table titled "Aluminum Ingot Production Capacity."

  Note: Capacities for individual plants owned by one company have been withheld since 1986. The company's total capacity has been apportioned to the individual plants on the basis of their proportional capacities in 1985.
- 1995 forward: U.S. Department of the Interior, U.S. Geological Survey, *Minerals Yearbook*.

CTCAPZZ — Catalytic cracking charge capacity of petroleum refineries by State.

- 1960: Data are unavailable from published reports. The 1961 values are used for 1960.
- 1961 through 1963: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Refineries in the United States." The specific tables are:
  - 1961 and 1962: Table 7, under "Cracking Capacity" column heading "Charge."
  - 1963: Table 6, under "Catalytic-Cracking Capacity" column heading "Charge."
- 1964 through 1976: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Refineries in the United States and Puerto Rico," Table 2, all entries next to "Cat. Ck." summed by State.
- 1977: EIA, *Energy Data Reports*, "Petroleum Refineries in the United States and Puerto Rico," Table 2, all entries next to "Cat. Ck." summed by State.
- 1978: EIA, *Energy Data Reports*, "Petroleum Refineries in the United States and U.S. Territories," Table 2, all entries next to "Cat. Ck." summed by State.
- 1979 and 1980: EIA, *Energy Data Reports*, "Petroleum Refineries in the United States and U.S. Territories." The specific tables are:
  - 1979: Table 2, sum of "Catalytic Cracking" columns, "Fresh" and "Recycle."
  - 1980: Table 1, sum of "Catalytic Cracking (fresh)" and "Catalytic Cracking (recycle)" columns.
- 1981 forward: EIA, *Petroleum Supply Annual*, sum of "Catalytic Cracking (Fresh)" and "Catalytic Cracking (Recycled)" columns in the following tables:
  - 1981 through 1983: Table 1.
  - 1984: Table 30.
  - 1985 through 1989: Table 29.
  - 1989 through 1994: Table 36.

— 1995: Data series became biannual. 1994 data used for 1995.
— 1996: Table 36.
— 1997: 1996 data used for 1997.
— 1998 through 2004: Table 36, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html.
— 2005 forward: EIA, *Refinery Capacity Report*, Table 1, http://www.eia.gov/oil_gas/petroleum/data_publications/refinery_capacity_data/refcap_historical.html.

PCC3MZZ — Petroleum coke consumed for combined heat and power in the commercial sector by State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

PCEIMZZ — Petroleum coke consumed by the electric power sector by State.

- 1960 through 1969: No data available. Values are assumed to be zero.
- 1970 forward: EIA, Forms EIA-923, "Power Plant Operations Report," and predecessor forms.

PCI3MZZ — Petroleum coke consumed for combined heat and power in the industrial sector by State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

PCRFPZZ, PCRFPGZ, or PCRFPPZ — Petroleum coke consumed at refineries (both catalyst and marketable) by State or groups of States.

- 1960: No data available. The 1961 value is used for 1960.
- 1961 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual." The specific tables are:
  — 1961 and 1962: Table 18.
  — 1962 through 1966: Table 19.
  — 1967: Table 18.
  — 1968: Table 19.
  — 1969 through 1972: Table 18.
  — 1973 and 1974: Table 21.
  — 1975: Table 22.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual." The specific tables are:
  — 1976: Table 22.
  — 1977: Table 21.
  — 1978 through 1980: Table 20.
- 1981 through 2004: EIA, *Petroleum Supply Annual*. The specific tables are:
  — 1981 and 1982: Table 17.
  — 1983: Table 15.
  — 1984: Table 44.
  — 1985: Table 43.
  — 1986 through 1988: Table 38.
  — 1989 through 1992: Table 45.
  — 1995 and 1997: Table 36.
  — 1993 and 1994, 1996, and 1998 through 2004: http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, Table 47.
- 2005 forward: EIA, EIA, *Refinery Capacity Report*, Table 12 (2006-2008), and Table12a (2009), http://www.eia.gov/oil_gas/petroleum/data_publications/refinery_capacity_data/refcap_historical.html. Also available at http://www.eia.gov/dnav/pet/pet_pnp_capfuel_a_(na)_8FPP0_Mbbl_a.htm.

PCTCPUS — Petroleum coke total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Report*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  — 1981 through 2004: Table 2.
  — 2005 forward: Table 1.

# Residual Fuel Oil

### *Physical Units*

Since State-level end-use consumption data for residual fuel oil (with the exception of electric power sector data) are not available, sales of residual fuel oil into or within each State, published by the U.S. Energy Information Administration (EIA) in the *Fuel Oil and Kerosene Sales Report*, are used to estimate residual fuel oil consumption. The following variable names have been assigned to the sales series, in thousand barrels ("ZZ" in the following variable names represents the two-letter State code that differs for each State):

RFBKPZZ = residual fuel oil sold for vessel bunkering use (i.e., the fueling of commercial or private boats, such as pleasure craft, fishing boats, tugboats, and ocean-going vessels, including vessels operated by oil companies, and fueling for other marine purposes), excluding sales to the Armed Forces;

RFCMPZZ = residual fuel oil sold to the commercial sector for heating;

RFIBPZZ = residual fuel oil sold to industrial establishments for space heating and for other industrial use (i.e., for all uses to mines, smelters, plants engaged in producing manufactured products, in processing goods, and in assembling);

RFMIPZZ = residual fuel oil sold to the Armed Forces, regardless of use;

RFMSPZZ = residual fuel oil sold for all other uses not identified in other sales categories;

RFOCPZZ = residual fuel oil sold for oil company use, including all fuel oil, crude oil, or acid sludge used as fuel at refineries, by pipelines, or in field operations; and

RFRRPZZ = residual fuel oil sold to the railroads for use in fueling trains, operating railroad equipment, space heating of buildings, and other operations.

Two other data series that represent consumption of residual fuel oil are:

RFEIPZZ = residual fuel oil consumed by the electric power sector in each State, in thousand barrels.

RFTCPUS = residual fuel oil total supplied in the United States, in thousand barrels.

Residual fuel oil consumed by the electric power sector (RFEIPZZ) is collected by EIA on Form EIA-923, "Power Plant Operations Report," and predecessor forms. (See Note 3 at the end of this residual fuel oil section for further information on changes in this series' data definitions.)

Total U.S. consumption of residual fuel oil, RFTCPUS, is the product supplied series in EIA's publication *Petroleum Supply Annual*.

All State-level data series listed above are summed to provide totals for the United States.

The data series are then combined as closely as possible into the major end-use sectors used in the State Energy Data System (SEDS). No residual fuel oil is sold to the residential sector. Residual fuel oil sales to the commercial sector is the RFCMPZZ series.

The sales of residual fuel oil to the industrial sector in each State, RFINPZZ, is the sum of the residual fuel oil sold for industrial use, including industrial space heating (RFIBPZZ), for oil company use (RFOCPZZ), and for all other uses (RFMSPZZ):

RFINPZZ = RFIBPZZ + RFOCPZZ + RFMSPZZ
RFINPUS = ΣRFINPZZ

The sales of residual fuel oil to the transportation sector in each State, RFTRPZZ, is the sum of the residual fuel oil sales for vessel bunkering (RFBKPZZ), military use (RFMIPZZ), and railroad use (RFRRPZZ):

RFTRPZZ = RFBKPZZ + RFMIPZZ + RFRRPZZ
RFTRPUS = ΣRFTRPZZ

Sales of residual fuel oil to the commercial, industrial, and transportation sectors are added to create a subtotal of sales to all sectors other than the electric power sector (RFNDPZZ):

RFNDPZZ = RFCMPZZ + RFINPZZ + RFTRPZZ
RFNDPUS = ΣRFNDPZZ

The estimated residual fuel oil consumption for the United States by all sectors other than the electric power sector (RFNCPUS) is calculated by

subtracting the total residual fuel oil consumption for the electric power sector from the total U.S. residual fuel oil consumption:

RFNCPUS = RFTCPUS – RFEIPUS

This U.S. subtotal of residual fuel oil consumption by the end-use sectors combined (RFNCPUS) is apportioned to the States by using the States' end-use sector sales data. The assumption is made that each State consumes residual fuel oil in proportion to the amount sold in that State:

RFNCPZZ = (RFNDPZZ / RFNDPUS) * RFNCPUS

The end-use sectors' subtotal for each State is further divided into estimates for each sector in proportion to each sector's sales. The estimated commercial sector consumption in each State, RFCCPZZ, is calculated:

RFCCPZZ = (RFCMPZZ / RFNDPZZ) * RFNCPZZ

The industrial sector's estimated consumption in each State, RFICPZZ, is calculated:

RFICPZZ = (RFINPZZ / RFNDPZZ) * RFNCPZZ

The transportation sector's estimated consumption in each State, RFACPZZ, is calculated:

RFACPZZ = (RFTRPZZ / RFNDPZZ) * RFNCPZZ

The consumption of residual fuel oil in the United States by the major end-use sectors is estimated by adding the States' estimated consumption.

Total State residual fuel oil consumption is the sum of the end-use sectors' consumption subtotal and the electric power sector consumption:

RFTCPZZ = RFNCPZZ + RFEIPZZ

### *British Thermal Units (Btu)*

Residual fuel oil has a heat content value of approximately 6.287 million Btu per barrel. This factor is applied to convert residual fuel oil estimated consumption from physical units to Btu as shown in the following examples:

RFCCBZZ = RFCCPZZ * 6.287
RFICBZZ = RFICPZZ * 6.287
RFTCBZZ = RFCCBZZ + RFICBZZ + RFACBZZ + RFEIBZZ

The U.S. level Btu consumption estimates are calculated as the sum of the States' Btu consumption.

### *Additional Notes on Residual Fuel Oil*

1. "Sales" data are actually called "shipments" in the source documents for 1960 and 1961; "consumption" for 1962 through 1966; "shipments" for 1967; "sales" from 1968 through 1978; "deliveries" for 1979 through 1983; and "sales" for 1984 forward.

2. In 1979, the EIA implemented a new survey form, EIA-172, to obtain deliveries of fuel oil and kerosene data and updated the list of respondents. (A detailed explanation is published in the *Energy Data Report,* "Deliveries of Fuel Oil and Kerosene in 1979.") In the new survey form, certain end-use categories were redefined—in many cases, to collect more disaggregated data. The reclassifications resulted in some end-use categories that were no longer comparable with those in previous surveys. Where discontinuities occurred, estimates for the pre-1979 years have been made in SEDS to conform with the 1979 fuel oil deliveries classifications. The pre-1979 deliveries estimates are not published in this report but are used in SEDS to disaggregate the known U.S. total product supplied (consumption) into State and major end-use sector consumption estimates.

   For residual fuel oil deliveries in 1979, the end-use categories "commercial" and "industrial" are available. The pre-1979 deliveries categories are called "heating" and "industrial." While the pre-1979 categories individually are not continuous with the 1979 categories, their subtotals are related. That is, a general comparison can be made between the sum of commercial and industrial deliveries in 1979 and the sum of heating and industrial deliveries in the pre-1979 years. Therefore, the following method was applied to present a comparable series for residual fuel oil delivered to the commercial and industrial sectors:

- For each of the pre-1979 years, a subtotal was created for each State by adding each State's heating and industrial deliveries categories. A comparable 1979 subtotal was created by adding each State's commercial and industrial deliveries categories.

- Commercial and industrial shares of the subtotal in 1979 were calculated for each State.

- These 1979 end-use shares were then applied to each pre-1979 subtotal of residual fuel oil deliveries in each State to create State estimates of end-use deliveries for 1960 through 1978.

The 1980 through 1982 residual fuel oil deliveries data are based on the same survey as that used for 1979; therefore, the 1980 through 1982 data are directly comparable to 1979 data.

In 1984, EIA again updated the list of respondents for this survey, and the Form EIA-172 became the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report." EIA did not conduct a fuel oil and kerosene sales survey for 1983. The 1983 estimates in SEDS are based on 1984 data obtained from the Form EIA-821. Statistical procedures and methodologies used for the Form EIA-821 differ from those used in previous years. Therefore, the 1983 and forward sales data may not be directly comparable to the pre-1983 data. (In the source document, the sales data for 1983 forward are reported in thousand gallons. These data were first converted to thousand barrels before being entered into SEDS.)

3. The data on fuel oil consumed by the electric power sector for all years and States are actual fuel oil consumption numbers collected from electric power plants on Form EIA-923, "Power Plant Operations Report," and predecessor forms. Due to changes in fuel oil reporting classifications on the predecessor forms over the years, it is not possible to develop a thoroughly consistent series for all years. However, over time, data more accurately disaggregating fuel oil into distillate fuel oil and residual fuel oil have become available. For 1960 through 1969, only data on total fuel oil consumed at electric utilities by State are available. For 1970 through 1979, fuel oil consumed by plant type (internal combustion and gas turbine plants combined and steam plants) by State are available. For 1980 through 2000, data on consumption of light oil at all plant types combined and consumption of heavy oil at all plant types combined are available by State. For 2001 forward, data on consumption of distillate fuel oil and residual fuel oil are available. In SEDS, the following assumptions have been made:

   - 1960 through 1969 — State estimates of fuel oil consumption by plant type have been created for each year by applying the shares of steam plants (primarily residual fuel oil) and internal combustion and gas turbine plants (primarily distillate fuel oil plus small amounts of jet kerosene) by State in 1970 to each year's total fuel oil consumption at electric utilities for 1960 through 1969.

   - 1970 through 1979 — fuel oil consumed by steam plants is assumed to equal residual fuel oil consumption, and fuel oil consumed by internal combustion and gas turbine plants is assumed to equal distillate fuel oil plus jet kerosene consumption.

   - 1980 through 2000 — total heavy oil consumption at all plant types is assumed to equal residual fuel oil consumption, and total light oil consumption at all plant types is assumed to equal distillate fuel oil plus jet kerosene consumption.

   The data series thus derived for SEDS for residual fuel oil and distillate fuel oil consumption by the electric power sector is considered to be actual consumption by the electric power sector for each State and each year.

### *Data Sources for Residual Fuel Oil*

RFBKPZZ — Residual fuel oil sold for vessel bunkering use by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 17.
  - — 1962 and 1963: Table 16.
  - — 1964 and 1965: Table 15.
  - — 1966 through 1975: Table 11.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 11.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 2.

- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VVB_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VVB_Mgal_a.htm.

RFCMPZZ — Residual fuel oil sold to the commercial sector for heating.

- 1960 through 1978: EIA estimates based on statistics of commercial sector deliveries of residual fuel oil from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 2. State ratios based on 1979 commercial sector deliveries were applied to each State's sum of heating plus industrial deliveries categories from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 2, on page 66.)
- 1979 and 1980: EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Notes: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS. Data for Hawaii in 1986 through 1990 reflect unpublished revisions from an EIA internal memorandum from the Office of Oil and Gas to the Office of Energy Markets and End Use, "Revising Historical Petroleum Data," February 26, 1993.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VCS_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VCS_Mgal_a.htm.

RFEIPZZ — Residual fuel oil consumed by the electric power sector.

- EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms. The following assumptions have been made:
  - 1960 through 1969: Only total fuel oil consumed at electric utilities by State is available. State estimates of residual fuel oil consumption were created for each year by applying the shares of steam plants (primarily residual fuel oil) by State from 1970 to each year's total fuel oil consumption at electric utilities for 1960 through 1969.
  - 1970 through 1979: Fuel oil consumed by plant type by State is available. Fuel oil consumed by steam plants is assumed to equal residual fuel oil consumption.
  - 1980 through 2000: Consumption of heavy fuel at all plant types by State is available. This is assumed to equal residual fuel oil consumption.
  - 2001 forward: Consumption of residual fuel oil is available.

RFIBPZZ — Residual fuel oil sold to industrial establishments for heating and for other industrial use.

- 1960 through 1978: EIA, estimates based on statistics of industrial sector deliveries of residual fuel from the EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene in 1979," Table 2. State ratios based on 1979 industrial sector deliveries were applied to each State's sum of heating plus industrial deliveries categories from the fuel oil deliveries reports for each year 1960 through 1978. (See explanation in Note 2, on page 66.)
- 1979 and 1980: EIA, *Energy Data Report*, "Deliveries of Fuel Oil and Kerosene," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_vin_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_vin_Mgal_a.htm.

RFMIPZZ — Residual fuel oil sold to the Armed Forces regardless of use by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 18.
  - — 1962 and 1963: Table 17.
  - — 1964 and 1965: Table 16.
  - — 1966 through 1975: Table 12.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 12.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VMI_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VMI_Mgal_a.htm.

RFMSPZZ — Residual fuel oil sold for miscellaneous uses by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 through 1962: Table 19.
  - — 1963 and 1964: Table 18.
  - — 1965 through 1967: Table 17.
  - — 1968 through 1975: Table 14.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 14.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 2, column "Other."
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5, column "All Other."

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS. The data series is titled "All Other."

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petroleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VOE_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also available at http://www.eia.gov/dnav/pet/ pet_cons_821rsd_a_EPPR_VOE_Mgal_a.htm.

RFOCPZZ — Residual fuel oil sold for use by oil companies by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 14.
  - — 1962 and 1963: Table 13.
  - — 1964 and 1965: Table 12.
  - — 1966 through 1975: Table 9.
- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 9.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983: EIA, *Petroleum Marketing Monthly*, July 1985 issue, Table A13.
- 1984 through 1987: EIA, *Petoleum Marketing Monthly*, also available at http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VOC_Mgal_a.htm.
- 1988 forward: EIA, *Fuel Oil and Kerosene Sales*, also availabl eat http://www.eia.gov/dnav/pet/pet_cons_821rsd_a_EPPR_VOC_Mgal_a.htm.

RFRRPZZ — Residual fuel oil sold for use by railroads by State.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Shipments of Fuel Oil and Kerosene." The specific tables are:
  - — 1960 and 1961: Table 16.

— 1962 and 1963: Table 15.
— 1964 and 1965: Table 14.
— 1966 through 1975: Table 10.

- 1976 through 1978: EIA, *Energy Data Reports*, "Sales of Fuel Oil and Kerosene," Table 10.
- 1979 and 1980: EIA, *Energy Data Reports*, "Deliveries of Fuel Oil and Kerosene," Table 2.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 5.

Note: Data for 1983 forward are published in thousand gallons. They are converted to thousand barrels by dividing by 42 before being entered into SEDS.

- 1983 through 1987: EIA, *Petroleum Marketing Monthly*. The specific tables are:
  — 1983: July 1985 issue, Table A13.
  — 1984 and 1985: July 1986 issue, Table A3.
  — 1986 and 1987: June 1988 issue, Table A5.
- 1988 and 1989: EIA, *Fuel Oil and Kerosene Sales 1989*, Table 5.
- 1990 forward: Series discontinued. Volumes are included with "All Other" data (in SEDS).

RFTCPUS — Residual fuel oil total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  — 1981 through 2004: Table 2.
  — 2005 forward: Table 1.

## Other Petroleum Products

Petroleum coke and 15 petroleum products are summed and called "other petroleum products" in the State Energy Data System (SEDS). These products, in thousand barrels, are:

ABTCPUS = aviation gasoline blending components total consumed in the United States;
COTCPZZ = crude oil (including lease condensate) total consumed in each State;
FNTCPUS = petrochemical feedstocks, naphtha less than 401° F, total consumed in the United States;
FOTCPUS = petrochemical feedstocks, other oils equal to or greater than 401° F, total consumed in the United States;
FSTCPUS = petrochemical feedstocks, still gas, total consumed in the United States;
MBTCPUS = motor gasoline blending components total consumed in the United States;
MSTCPUS = miscellaneous petroleum products total consumed in the United States;
NATCPUS = natural gasoline (including isopentane) total consumed in the United States;
PCTCPUS = petroleum coke total consumed in the United States;
PLTCPUS = plant condensate total consumed in the United States;
PPTCPUS = pentanes plus total consumed in the United States;
SGTCPUS = still gas total consumed in the United States;
SNTCPUS = special naphthas total consumed in the United States;
UOTCPUS = unfinished oils total consumed in the United States;
USTCPUS = unfractionated stream total consumed in the United States; and
WXTCPUS = waxes total consumed in the United States.

The methods used to create State estimates for each of these products (except petroleum coke, which is described earlier in the petroleum coke section beginning on page 61) are explained in the following sections.

It is assumed that all of these products are used by the industrial sector, except for the small portion of petroleum coke consumed by the electric power and commercial sectors. State estimates are created for other petroleum products by using the following four variables to allocate the products to the States:

COCAPZZ = crude oil operating capacity at refineries in each State, in barrels per calendar day;
OCVAVZZ = value of shipments or value added for the industrial organic chemical manufacturing industry in each State, in million dollars;

PIVAVZZ = value of shipments or value added for the paint and coating manufacturing industry in each State, in million dollars; and

CGVAVZZ = value of shipments or value added for the corrugated and solid fiber box manufacturing industry in each state, in million dollars.

Value of shipments and value added are two measures of manufacturing activity, both from the Department of Commerce *Economic Census* (previously, *Census of Manufactures*) reports. Value of shipments is a close approximation of gross output, adjusted for inventory changes. Value added excludes the cost of materials from gross output and is considered the best value measure for comparing the relative economic importance of manufacturing among industries and geographic areas. Prior to 2006, value added data were used to allocate the national consumption of selected petroleum products to the States. From 2006 forward, value of shipments data are used instead. The change was made because gross output is considered a better indicator of consumption of fuel and feedstock than value added.

## Crude Oil

### *Physical Units*

State estimates for crude oil consumed in petroleum industry operations are the data series COTCPZZ. The U.S. total for this data series is summed:

COTCPUS = ΣCOTCPZZ

Industrial consumption equals total consumption of crude oil:

COICPZZ = COTCPZZ
COICPUS = COTCPUS

### *British Thermal Units (Btu)*

Crude oil has a heat content value of approximately 5.800 million Btu per barrel. The calculations performed to estimate total Btu consumption and industrial use Btu consumption by State and for the United States are:

COTCBZZ = COTCPZZ * 5.800
COTCBUS = ΣCOTCBZZ
COICBZZ = COTCBZZ
COICBUS = COTCBUS

### *Data Source*

COTCPZZ — Crude oil consumed in petroleum industry operations by State.

- 1960 through 1982: Crude oil used directly was included in distillate and residual fuel oil product supplied when reported to EIA. Zeros are entered for all years.
- 1983 forward: Data are available for Petroleum Administration for Defense (PAD) districts, not by State. State estimates are calculated by allocating all crude oil consumption to the six States (Alaska, California, Colorado, Louisiana, Texas, and Utah) that reported distillate and residual fuel oils consumed by pipeline and leases in 1982. (Data on pipeline and lease consumption of fuels are not available after 1982.) Each State's 1982 ratio of distillate and residual fuel oils consumed by pipeline and leases to its respective 1982 PAD District total consumption of those fuels is calculated. This ratio is then applied to the 1983 forward PAD district totals of crude oil product supplied. The 1982 ratios are taken from the Form EIA-90, "Crude Oil Stocks Report," and the crude oil product supplied data are taken from the EIA *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html. The specific tables are:
  - 1983 through 1988: Tables 2 and 4 through 8.
  - 1989 through 2004: Tables 2, 4, 6, 8, 10, and 12.
  - 2005 forward: Tables 1, 3, 5, 7, 9, and 11.

## Aviation Gasoline Blending Components; Petrochemical Feedstocks, Still Gas; Motor Gasoline Blending Components; Still Gas; and Unfinished Oils

### *Physical Units*

The five petroleum products in this category are consumed as refinery fuels. Beginning in 1986, still gas for petrochemical feedstocks and still gas for other uses are reported together in the source document. State consumption estimates of these products are created in proportion to each State's crude oil operating capacity at refineries (COCAPZZ). Occasionally, consumption for aviation gasoline blending components and unfinished oils will be negative. This can occur when such products have entered the primary supply channels with their production not having been reported (e.g., streams returned to refineries from petrochemical plants). The U.S. total for this variable is summed:

COCAPUS = ΣCOCAPZZ

Aviation gasoline blending components State and U.S. consumption are estimated:

ABTCPZZ = (COCAPZZ / COCAPUS) * ABTCPUS
ABICPZZ = ABTCPZZ
ABICPUS = ABTCPUS

Petrochemical feedstocks, still gas, State and U.S. consumption are estimated:

FSTCPZZ = (COCAPZZ / COCAPUS) * FSTCPUS
FSICPZZ = FSTCPZZ
FSICPUS = FSTCPUS

Motor gasoline blending components State and U.S. consumption are estimated:

MBTCPZZ = (COCAPZZ / COCAPUS) * MBTCPUS
MBICPZZ = MBTCPZZ
MBICPUS = MBTCPUS

Still gas State and U.S. consumption are estimated:

SGTCPZZ = (COCAPZZ / COCAPUS) * SGTCPUS
SGICPZZ = SGTCPZZ
SGICPUS = SGTCPUS

Unfinished oils State and U.S. consumption are estimated:

UOTCPZZ = (COCAPZZ / COCAPUS) * UOTCPUS
UOICPZZ = UOTCPZZ
UOICPUS = UOTCPUS

### *British Thermal Units (Btu)*

Btu estimates for the five products in this group are developed by multiplying the estimated consumption of each individual product in physical units by its respective heat content conversion factor. The calculations performed to estimate total Btu consumption and industrial use Btu consumption by State and for the United States are:

ABTCBZZ = ABTCPZZ * 5.048
ABTCBUS = ΣABTCBZZ
ABICBZZ = ABTCBZZ
ABICBUS = ABTCBUS

FSTCBZZ = FSTCPZZ * 6.000
FSTCBUS = ΣFSTCBZZ
FSICBZZ = FSTCBZZ
FSICBUS = FSTCBUS

MBTCBZZ = MBTCPZZ * 5.253
MBTCBUS = ΣMBTCBZZ
MBICBZZ = MBTCBZZ
MBICBUS = MBTCBUS

SGTCBZZ = SGTCPZZ * 6.000
SGTCBUS = ΣSGTCBZZ
SGICBZZ = SGTCBZZ
SGICBUS = SGTCBUS

UOTCBZZ = UOTCPZZ * 5.825
UOTCBUS = ΣUOTCBZZ
UOICBZZ = UOTCBZZ

UOICBUS = UOTCBUS

### *Data Sources*

ABTCPUS — Aviation gasoline blending components total consumed in the United States.

- 1960 through 1980: No data available. Values are assumed to be zero.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

COCAPZZ — Crude oil operating capacity at refineries by State.

- 1960: U.S. Department of the Interior, Bureau of Mines, *Petroleum Refineries, Including Cracking Plants, in the United States*, Table 3.
- 1961 through 1963: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Refineries in the United States." The specific tables are:
  - — 1961 and 1962: Table 3.
  - — 1963: Table 1.
- 1964 through 1976: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Refineries in the United States and Puerto Rico," Table 1.
- 1977: EIA, *Energy Data Reports*, "Petroleum Refineries in the United States and Puerto Rico," Table 1.
- 1978 through 1980: EIA, *Energy Data Reports*, "Petroleum Refineries in the United States and U.S. Territories," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html. The specific tables are:
  - — 1981 through 1983: Table 1.
  - — 1984: Table 30.
  - — 1985 through 1988: Table 29.
  - — 1989 through 1994: Table 36.
  - — 1995: Unpublished data based on Form EIA-810.
  - — 1996 through 2004: Table 36.
- 2005 forward: EIA, *Refinery Capacity Report*, http://www.eia.gov/oil_gas/petroleum/data_publications/refinery_capacity_data/refcap_historical.html, Table 1, column titled "Barrels Per Calendar Day, Operating."

FSTCPUS — Petrochemical feedstocks, still gas, total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, Petroleum Statement, Annual," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 14.
- 1983 through 1985: EIA, *Petroleum Supply Annual*, Table 12.
- 1986 forward: Included in still gas (SGTCPUS).

MBTCPUS — Motor gasoline blending components total consumed in the United States.

- 1960 through 1980: No data available. Values are assumed to be zero.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html, column titled "Products Supplied." The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

SGTCPUS — Still gas total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 and 1982: EIA, *Petroleum Supply Annual*, Table 14.
- 1983 through 1985: EIA, *Petroleum Supply Annual*, Table 12.
- 1986 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  - — 1986 through 2004: Table 2.

— 2005 forward: Table 1.

UOTCPUS — Unfinished oils total consumed in the United States.

- 1960 through 1980: No data available. Values assumed to be zero.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1_historical.html, column titled "Products Supplied." The specific tables are:
  — 1981 through 2004: Table 2.
  — 2005 forward: Table 1.

## Petrochemical Feedstocks, Naphtha Less Than 401° F; Petrochemical Feedstocks, Other Oils Equal to or Greater Than 401° F; Miscellaneous Petroleum Products; Natural Gasoline (Including Isopentane); Plant Condensate; Pentanes Plus; and Unfractionated Stream.

### *Physical Units*

The seven petroleum products in this category are allocated to the States in proportion to the value of shipments (value added prior to 2006) in the manufacture of industrial organic chemicals in each State (OCVAVZZ).

The two petrochemical feedstocks are consumed by the chemical industry in producing petrochemical "building blocks" that, in turn, are converted to such products as synthetic fibers, synthetic rubber, and plastics.

Miscellaneous products include such products as petrolatum, synthetic natural gas feedstocks, and specialty oils (e.g., hydraulic oils, insulating oils, medicinal oils, rust preventatives, and spray oils). Finished petrochemicals usually constitute the largest volume of miscellaneous product, and it is assumed that the chief consuming industry for this product line is the chemical industry.

Natural gasoline (including isopentane), plant condensate, pentanes plus, and unfractionated stream are included in this group because the chemical industry is the only one that could readily utilize these lighter liquid hydrocarbons (as petrochemical feedstock). Beginning in 1984, in the source document, natural gasoline (including isopentane) and plant condensate are reported together as a new product, pentanes plus. At the same time, unfractionated stream was dropped because its components were reported separately as liquefied petroleum gases.

The U.S. total for the data series used to apportion these products to the States is summed:

OCVAVUS = ΣOCVAVZZ

Total petrochemical feedstocks, naphtha less than 401° F, State and U.S. consumption are estimated:

FNTCPZZ = (OCVAVZZ / OCVAVUS) * FNTCPUS
FNICPZZ = FNTCPZZ
FNICPUS = FNTCPUS

Petrochemical feedstocks, other oils equal to or greater than 401° F, State and U.S. consumption are estimated:

FOTCPZZ = (OCVAVZZ / OCVAVUS) * FOTCPUS
FOICPZZ = FOTCPZZ
FOICPUS = FOTCPUS

Miscellaneous petroleum products State and U.S. consumption are estimated:

MSTCPZZ = (OCVAVZZ / OCVAVUS) * MSTCPUS
MSICPZZ = MSTCPZZ
MSICPUS = MSTCPUS

Natural gasoline (including isopentane) State and U.S. consumption are estimated:

NATCPZZ = (OCVAVZZ / OCVAVUS) * NATCPUS
NAICPZZ = NATCPZZ
NAICPUS = NATCPUS

Plant condensate State and U.S. consumption are estimated:

PLTCPZZ = (OCVAVZZ / OCVAVUS) * PLTCPUS
PLICPZZ = PLTCPZZ
PLICPUS = PLTCPUS

Pentane plus State and U.S. consumption are estimated:

PPTCPZZ = (OCVAVZZ / OCVAVUS) * PPTCPUS
PPICPZZ = PPTCPZZ
PPICPUS = PPTCPUS

Unfractionated stream State and U.S. consumption are estimated:

USTCPZZ = (OCVAVZZ / OCVAVUS) * USTCPUS
USICPZZ = USTCPZZ
USICPUS = USTCPUS

### *British Thermal Units (Btu)*

Btu estimates for the seven petroleum products in this group are developed by multiplying each individual product's estimated consumption in physical units by its respective approximate heat content conversion factor. The calculations performed to estimate total Btu consumption and industrial use Btu consumption by State and for the United States are:

FNTCBZZ = FNTCPZZ * 5.248
FNTCBUS = ΣFNTCBZZ
FNICBZZ = FNTCBZZ
FNICBUS = FNTCBUS

FOTCBZZ = FOTCPZZ * 5.825
FOTCBUS = ΣFOTCBZZ
FOICBZZ = FOTCBZZ
FOICBUS = FOTCBUS

MSTCBZZ = MSTCPZZ * 5.796
MSTCBUS = ΣMSTCBZZ
MSICBZZ = MSTCBZZ
MSICBUS = MSTCBUS

NATCBZZ = NATCPZZ * 4.620
NATCBUS = ΣNATCBZZ
NAICBZZ = NATCBZZ
NAICBUS = NATCBUS

PLTCBZZ = PLTCPZZ * 5.418
PLTCBUS = ΣPLTCBZZ
PLICBZZ = PLTCBZZ
PLICBUS = PLTCBUS

PPTCBZZ = PPTCPZZ * 4.620
PPTCBUS = ΣPPTCBZZ
PPICBZZ = PPTCBZZ
PPICBUS = PPTCBUS

USTCBZZ = USTCPZZ * 5.418
USTCBUS = ΣUSTCBZZ
USICBZZ = USTCBZZ
USICBUS = USTCBUS

### *Data Sources*

FNTCPUS — Petrochemical feedstocks, naphtha, less than 401° F, total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html, column titled "Products Supplied." The specific tables are:
  - 1981 through 2004: Table 2.
  - 2005 forward: Table 1.

FOTCPUS — Petrochemical feedstocks, other oils, equal to or greater than 401° F, total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/

psa_volume1/psa_volume1.html/psa_volume1/psa_volume1.html, column titled "Products Supplied." The specific tables are:
— 1981 through 2004: Table 2.
— 2005 forward: Table 1.

MSTCPUS — Miscellaneous petroleum products consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*. "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html. The specific tables are:
  — 1981 through 2004: Table 2.
  — 2005 forward: Table 1. Naphtha-type jet fuel volumes (JNTCPUS) are included in "Miscellaneous Products" in the *Petroleum Supply Annual*, Table 1.

NATCPUS — Natural gasoline total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*. "Petroleum Statement, Annual," Table 1.
- 1981 through 1983: EIA, *Petroleum Supply Annual*, Table 2.
- 1984 forward: Included in pentanes plus (PPTCPUS).

OCVAVZZ — Value of shipments for the industrial organic chemicals manufacturing industry by State.

Note: Value added prior to 2006.

- 1960 through 1970: U.S. Department of Commerce, *1967 Census of Manufactures*, Volume II, Part 2, Standard Industrial Classification (SIC) 2818. The 1963 State data are used for the years 1960 through 1965, and the 1967 State data are used for 1966 through 1970.
- 1971 through 1980: U.S. Department of Commerce, *1977 Census of Manufactures*, Industry Series, SIC 2869. The 1972 State data are used for 1971 through 1975, and the 1977 State data are used for 1976 through 1980.
- 1981 through 1985: U.S. Department of Commerce, *1987 Census of Manufactures* (Final Report), Industry Series, SIC 2869. The 1982 State data are used for 1981 through 1985.
- 1986 through 1995: U.S. Department of Commerce, *1992 Census of Manufactures* (Final Report), Industry Series, SIC 2869. The 1987 State data are used for 1986 through 1990, and the 1992 State data are used for 1991 through 1995.
- 1996 through 2000: U.S. Department of Commerce, *1997 Economic Census, Manufacturing, Industry Series*, EC97M-3251A for North American Industry Classification System (NAICS) 325110 "Petrochemical Manufacturing" and EC97M-3251G for NAICS 325119 "All Other Basic Inorganic Chemical Manufacturing." The value added by manufacture for both categories are summed to create a data series generally comparable to the SIC 2869 used previously at http://www.census.gov/prod/www/ abs/97ecmani.html.
- 2001 through 2005: U.S. Department of Commerce, *2002 Economic Census, Manufacturing, Industry Series*, Table 2, column titled "Value added" data for NAICS series 325110, 325120, and 325199 shown in the reports at http://www.census.gov/econ/census02/guide/INDRPT31.HTM. See Additional Note 2 on page 80 for the methodology used to estimate withheld values.
- 2006 forward: U.S. Department of Commerce, *2007 Economic Census, Manufacturing, Geographic Area Series*, column titled "Value of shipments" data for NAICS series 325110, 325120, and 325199 shown in the data sets at http://factfinder.census.gov/servlet/SelectIndustryProductServlet?sector=15293431&subsector=15294026&industry=15293431%3ANAICS2007&gss=y&gas=y&cat_chnge=n&selectionType=list&category=NAICS2007&selected_industry=15293431. See Additional Note 2 on page 80 for the methodology used to estimated withheld values.

PLTCPUS — Plant condensate total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*. "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 through 1983: EIA, *Petroleum Supply Annual*, Table 2.
- 1984 forward: Included in pentanes plus (PPTCPUS).

PPTCPUS — Pentanes plus total consumed in the United States.

- 1960 through 1983: Data were reported separately as natural gasoline, isopentane, and plant condensate.
- 1984 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html, column titled "Products Supplied." The specific tables are:
  - 1984 through 2004: Table 2.
  - 2005 forward: Table 1.

USTCPUS — Unfractionated stream total consumed in the United States.

- 1960 through 1978: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1, included in "Plant Condensate."
- 1979 and 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 through 1983: EIA, *Petroleum Supply Annual*, Table 2, column titled "Products Supplied."
- 1984 forward: Included in liquefied petroleum gases (LGTCPUS).

## Special Naphthas

### *Physical Units*

Special naphthas are used as paint and varnish thinners and dry cleaning liquids or solvents. This petroleum product is allocated to the States in proportion to the value of shipments (value added prior to 2006) in the manufacture of paints and allied products in each State (PIVAVZZ).

The U.S. total for the apportioning data series is calculated:

PIVAVUS = ΣPIVAVZZ

Special naphthas State and U.S. consumption are estimated:

SNTCPZZ = (PIVAVZZ / PIVAVUS) * SNTCPUS
SNICPZZ = SNTCPZZ
SNICPUS = SNTCPUS

### *British Thermal Units (Btu)*

Special naphthas have a heat content value of approximately 5.248 million Btu per barrel. This factor is applied to convert special naphthas estimated consumption from physical units to Btu by State and the United States is the sum of the States:

SNTCBZZ = SNTCPZZ * 5.248
SNTCBUS = ΣSNTCBZZ
SNICBZZ = SNTCBZZ
SNICBUS = SNTCBUS

### *Data Sources*

PIVAVZZ — Value of shipments for the paint and coating manufacturing industry by State.
Note: Value added prior to 2006.

- 1960 through 1970: U.S. Department of Commerce, *1967 Census of Manufactures*, Volume II, Part 2, SIC 2851. The 1963 State data are used for the years 1960 through 1965, and the 1967 State data are used for 1966 through 1970.
- 1971 through 1980: U.S. Department of Commerce, *1977 Census of Manufactures*, Industry Series, SIC 2851. The 1972 State data are used for 1971 through 1975, and the 1977 State data are used for 1976 through 1980.
- 1981 through 1985: U.S. Department of Commerce, *1987 Census of Manufactures* (Final Report), Industry Series, SIC 2851. The 1982 State data are used for the years 1981 through 1985.
- 1986 through 1995: U.S. Department of Commerce, *1992 Census of Manufactures* (Final Report), Industry Series, SIC 2851. The 1987 State data are used for the years 1986 through 1990, and the 1992 State data are used for 1991 through 1995.
- 1996 through 2000: U.S. Department of Commerce, *1997 Economic Census, Manufacturing, Industry Series*, EC97M-3255A for NAICS 325510 "Paint and Coating Manufacturing," at http://www.census.gov/prod/www/abs/97ecmani.html.
- 2001 through 2005: U.S. Department of Commerce, *2002 Economic Census, Manufacturing, Industry Series*, Table 2, column titled "Value added" data for NAICS series 325510 shown in the reports at http://www. census.gov/econ/census02/guide/INDRPT31.HTM.

See Additional Note 2 on page 80 for the methodology used to estimate withheld values.

- 2006 forward: U.S. Department of Commerce, *2007 Economic Census*, *Manufacturing*, *Geographic Area Series*, column titled "Value of shipments" data for NAICS series 325510 shown in the data sets at http://factfinder.census.gov/servlet/FindEconDatasetsServlet?ds_name=EC0700A1&industry=15294112&_ts=326650137012. See Additional Note 2 on page 80 for the methodology used to estimated withheld values.

SNTCPUS — Special naphthas total consumed in the United States.

- 1960 through 1963: Data included in motor gasoline.
- 1964 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html. The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

## Waxes

### Physical Units

Because petroleum waxes are very cost-effective moisture and gas barriers, food packaging is the largest market for petroleum waxes in the United States, accounting for more than 50 percent of petroleum wax consumption. Therefore, waxes are allocated to the States in proportion to the value of shipments (value added prior to 2006) in the manufacture of corrugated and solid fiber boxes (CGVAVZZ).

The U.S. total for this variable is summed:

CGVAVUS = ΣCGVAVZZ

State and U.S. consumption are estimated:

WXTCPZZ = (CGVAVZZ / CGVAVUS) * WXTCPUS
WXICPZZ = WXTCPZZ
WXICPUS = WXTCPUS

### British Thermal Units (Btu)

Waxes have a heat content value of approximately 5.537 million Btu per barrel. This factor is applied to convert the estimated consumption of waxes from physical units to Btu by State and the United States is the sum of the States:

WXTCBZZ = WXTCPZZ * 5.537
WXTCBUS = ΣWXTCBZZ
WXICBZZ = WXTCBZZ
WXICBUS = WXTCBUS

### Data Sources

CGVAVZZ — Value of shipments for the solid fiber box manufacturing industry by State.
Note: Value added prior to 2006. Prior to 1992, this series was value added for the sanitary food container manufacturing industry.

- 1960 through 1965: U.S. Department of Commerce, *1963 Census of Manufactures*, Volume II, Part 1, SIC 2654. The 1963 State data are used for the years 1960 through 1965.
- 1966 through 1970: U.S. Department of Commerce, *1967 Census of Manufactures*, Volume II, Part 2, SIC 2654. The 1967 State data are used for 1966 through 1970.
- 1971 through 1980: U.S. Department of Commerce, *1977 Census of Manufactures*, Industry Series, SIC 2654. The 1972 State data are used for 1971 through 1975, and the 1977 State data are used for 1976 through 1980.
- 1981 through 1990: U.S. Department of Commerce, *1982 Census of Manufactures* (Final Report), Industry Series, SIC 2654. The 1982 State data are used for 1981 through 1990.
- 1991 through 1995: U.S. Department of Commerce, *1992 Census of Manufactures* (Final Report), Industry Series, SIC 2653. The 1992 State data are used for 1991 through 1995.
- 1996 through 2000: U.S. Department of Commerce, *1997 Economic Census, Manufacturing, Industry Series*, EC97M-3222A for NAICS

322211 "Corrugated and Solid Fiber Box Manufacturing" at http://www. census.gov/prod/www/abs/97ecmani.html.

- 2001 through 2005: U.S. Department of Commerce, *2002 Economic Census, Manufacturing, Industry Series*, Table 2, column titled "Value added" data for NAICS series 322211 shown in the reports at http://www. census.gov/econ/census02/guide/INDRPT31.HTM. See Additional Note 2 on page 80 for the methodology used to estimate withheld values.
- 2006 forward: U.S. Department of Commerce, *2007 Economic Census, Manufacturing, Geographic Area Series*, column titled "Value of shipments" data for NAICS series 322211 shown in the data sets at http://factfinder.census.gov/servlet/FindEconDatasetsServlet?ds_name=EC0700A1&industry=15293915&_ts=326650247207. See Additional Note 2 on page 80 for the methodology used to estimated withheld values.

WXTCPUS — Waxes total consumed in the United States.

- 1960 through 1975: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Petroleum Statement, Annual," Table 1.
- 1976 through 1980: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1.
- 1981 forward: EIA, *Petroleum Supply Annual*, http://www.eia.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/psa_volume1.html. The specific tables are:
  - — 1981 through 2004: Table 2.
  - — 2005 forward: Table 1.

## Total Other Petroleum Products

### *Physical Units*

Total other petroleum products is the sum of the 16 "other petroleum products." All of these products are consumed by the industrial sector except for some petroleum coke consumed by the electric power sector (PCEIP), which is calculated in SEDS with electric power fuel consumption, and the commercial sector (PCCCP), which is included with commercial consumption. State and U.S. industrial use of these other petroleum products are calculated:

POICPZZ = ABICPZZ + COICPZZ + FNICPZZ + FOICPZZ + FSICPZZ + MBICPZZ + MSICPZZ + NAICPZZ + PCICPZZ + PLICPZZ + PPICPZZ + SGICPZZ + SNICPZZ + UOICPZZ + USICPZZ + WXICPZZ

POICPUS = ΣPOICPZZ

Total consumption of these products (including petroleum coke consumption in the commercial and electric power sectors) is calculated:

POTCPZZ = ABTCPZZ + COTCPZZ + FNTCPZZ + FOTCPZZ + FSTCPZZ + MBTCPZZ + MSTCPZZ + NATCPZZ + PCTCPZZ + PLTCPZZ + PPTCPZZ + SGTCPZZ + SNTCPZZ + UOTCPZZ + USTCPZZ + WXTCPZZ

POTCPUS = ΣPOTCPZZ

### *British Thermal Units (Btu)*

Estimated consumption of all 16 "other petroleum products" in Btu is the sum of the Btu consumption of each product by the industrial sector. The State and U.S. totals are calculated:

POICBZZ = ABICBZZ + COICBZZ + FNICBZZ + FOICBZZ + FSICBZZ + MBICBZZ + MSICBZZ + NAICBZZ + PCICBZZ + PLICBZZ + PPICBZZ + SGICBZZ + SNICBZZ + UOICBZZ + USICBZZ + WXICBZZ

POICBUS = ΣPOICBZZ

State and U.S. total consumption of these products, which includes petroleum coke consumption in the commercial and electric power sectors, is calculated:

POTCBZZ = ABTCBZZ + COTCBZZ + FNTCBZZ + FOTCBZZ + FSTCBZZ + MBTCBZZ + MSTCBZZ + NATCBZZ + PCTCBZZ + PLTCBZZ + PPTCBZZ + SGTCBZZ + SNTCBZZ + UOTCBZZ + USTCBZZ + WXTCBZZ

POTCBUS = ΣPOTCBZZ

### *Additional Notes on Other Petroleum Products*

1. In the "Energy Consumption Estimates by Source" tables in this report, a petroleum column called "Other" comprises the other products, including petroleum coke consumed by the commercial and electric power sectors (POTCB and POTCP). In the "Industrial Energy Consumption Estimates" tables, the petroleum "Other" column is the other petroleum products consumption total for industrial use (POICB and POICP).

2. The data for "value added by manufacture" that are used to allocate many of the other petroleum products are from the Department of Commerce, Bureau of the Census, *Census of Manufactures* or *Economic Census* reports. For all years, several States' data were withheld from publication to avoid disclosing operations of individual companies. The total withheld data was apportioned to the withheld States on the basis of those States' proportional values in the previous census. Beginning with the 1992 Census, the total withheld value was apportioned to States with withheld data in proportion to the number of employees in that industry in each State. Beginning with the 1997 Census, the published report tables do not list any States that have withheld data. Detailed data tables from "American FactFinder" on the Bureau of the Census website, http://factfinder.census.gov/servlet/FindEconDatasetsServlet?ds_name=EC0700A1&industry=15293431&_ts=326649969600, are used to obtain the list of States with data withheld and the number of employees.

   In 1982, all respondents to the Census of Manufactures survey were requested to report their inventories at cost or market prior to accounting adjustments for "last in, first out" cost. This is a change from prior years in which respondents were permitted to value their inventories by using any generally accepted accounting valuation method. Consequently, data for value added by manufacture after 1982 are not comparable to the prior years' data.

## Petroleum Summaries

This section describes the method of estimating consumption by the major end-use sectors within the States for all petroleum data series. Table TN3 on page 30 of this section indicates which petroleum products are consumed in each of the five major end-use sectors. In the preceding portions of this section, end-use consumption estimates have been derived for each petroleum product. These petroleum product subtotals are now summed, in physical units of thousand barrels and in Btu, to create estimated end-use consumption for all petroleum products.

### Residential Sector

Petroleum products consumed by the residential sector are: distillate fuel oil (DF), kerosene (KS), and liquefied petroleum gases (LG). For the residential sector, the State and U.S. totals in physical units are:

PARCPZZ = DFRCPZZ + KSRCPZZ + LGRCPZZ
PARCPUS = ΣPARCPZZ

State and U.S. totals in Btu are:

PARCBZZ = DFRCBZZ + KSRCBZZ + LGRCBZZ
PARCBUS = ΣPARCBZZ

### Commercial Sector

The commercial sector's use of petroleum products includes: distillate fuel oil (DF), kerosene (KS), liquefied petroleum gases (LG), motor gasoline (MG), and residual fuel oil (RF). In physical units, the State and the U.S. totals for the commercial sector are calculated:

PACCPZZ = DFCCPZZ + KSCCPZZ + LGCCPZZ + MGCCPZZ + RFCCPZZ + PCCCPZZ
PACCPUS = ΣPACCPZZ

State and U.S. totals in Btu are:

PACCBZZ = DFCCBZZ + KSCCBZZ + LGCCBZZ + MGCCBZZ + RFCCBZZ + PCCCBZZ
PACCBUS = ΣPACCBZZ

## Industrial Sector

Petroleum used in the industrial sector includes: asphalt and road oil (AR); distillate fuel oil (DF); kerosene (KS); liquefied petroleum gases (LG); lubricants (LU); motor gasoline (MG); residual fuel oil (RF); and the 16 products that are already summed in the "other petroleum products" (PO) subtotal. The State and U.S. total estimates in physical units are:

PAICPZZ = ARICPZZ + DFICPZZ + KSICPZZ + LGICPZZ + LUICPZZ + MGICPZZ + RFICPZZ + POICPZZ
PAICPUS = ΣPAICPZZ

State and U.S. totals in Btu are:

PAICBZZ = ARICBZZ + DFICBZZ + KSICBZZ + LGICBZZ + LUICBZZ + MGICBZZ + RFICBZZ + POICBZZ
PAICBUS = ΣPAICBZZ

## Transportation Sector

Petroleum products used in the transportation sector are: aviation gasoline (AV), distillate fuel oil (DF), jet fuel (JF), liquefied petroleum gases (LG), lubricants (LU), motor gasoline (MG), and residual fuel oil (RF). The State and U.S. totals in physical units are:

PAACPZZ = AVACPZZ + DFACPZZ + JFACPZZ + LGACPZZ + LUACPZZ + MGACPZZ + RFACPZZ
PAACPUS = ΣPAACPZZ

State and U.S. totals in Btu are:

PAACBZZ = AVACBZZ + DFACBZZ + JFACBZZ + LGACBZZ + LUACBZZ + MGACBZZ + RFACBZZ

PAACBUS = ΣPAACBZZ

## Electric Power Sector

Petroleum products consumed by the electric power sector are: distillate fuel oil (DF), jet fuel (JF), petroleum coke (PC), and residual fuel oil (RF). In physical units, the State and U.S. totals are:

PAEIPZZ = DFEIPZZ + JFEUPZZ + PCEIPZZ + RFEIPZZ
PAEIPUS = ΣPAEIPZZ

State and U.S. totals in Btu are:

PAEIBZZ = DFEIBZZ + JFEUBZZ + PCEIBZZ + RFEIBZZ
PAEIBUS = ΣPAEIBZZ

## Total Consumption of Petroleum Products

Total consumption of all petroleum products is the sum of all of the individual product totals. The State and U.S. physical unit totals are:

PATCPZZ = ARTCPZZ + AVTCPZZ + DFTCPZZ + JFTCPZZ + KSTCPZZ + LGTCPZZ + LUTCPZZ + MGTCPZZ + RFTCPZZ + POTCPZZ
PATCPUS = ΣPATCPZZ

State and U.S. totals in Btu are:

PATCBZZ = ARTCBZZ + AVTCBZZ + DFTCBZZ + JFTCBZZ + KSTCBZZ + LGTCBZZ + LUTCBZZ + MGTCBZZ + RFTCBZZ + POTCBZZ
PATCBUS = ΣPATCBZZ

## Additional Calculations

A few petroleum products are combined for display in the "Other Petroleum" column in tables on total energy consumption and industrial sector energy consumption. They include asphalt and road oil, aviation gasoline (total energy only), kerosene, lubricants, and the 16 petroleum products

described in the "other petroleum products" section of the Technical Notes. The variables are calculated in physical unit and Btu, for each State and the United States:

P1TCP = ARTCP + AVTCP + KSTCP + LUTCP + POTCP
P1TCB = ARTCB + AVTCB + KSTCB + LUTCB + POTCB
P1ICP = ARICP + KSICP + LUICP + POICP
P1ICB = ARICB + KSICB + LUICB + POICB

Total petroleum typically reflects motor gasoline including fuel ethanol. To assist data users in the analysis of consumption of renewable energy sources, which include fuel ethanol, versus non-renewable energy sources, which include petroleum products and other fossil fuels, a new data series, total petroleum excluding fuel ethanol, is created for each State and the United States:

From 1993 forward:
PMTCB = PATCB - EMTCB

Prior to 1993, fuel ethanol was not included in the motor gasoline data series from the source:
PMTCB = PATCB

Total petroleum excluding fuel ethanol is used only in the tables showing energy consumption by source. For consumption by end-use sector, total petroleum includes fuel ethanol, as it is included in motor gasoline as it is consumed by the end-users.

Conversion factors for all petroleum products consumed by each sector, as well as data for the residential and commercial sectors combined, are calculated for use in EIA's *Annual Energy Review* and *Monthly Energy Review*.

PARCKUS = PARCBUS / PARCPUS
PACCKUS = PACCBUS / PACCPUS
PAICKUS = PAICBUS / PAICPUS
PAACKUS = PAACBUS / PAACPUS
PAEIKUS = PAEIBUS / PAEIPUS
PATCKUS = PATCBUS / PATCPUS

Consumption of all petroleum products by the residential and commercial sectors combined, in physical units, in Btu, and the average conversion factor, are calculated:

PAHCPUS = PARCPUS + PACCPUS
PAHCBUS = PARCBUS + PACCBUS
PAHCKUS = PAHCBUS / PAHCPUS

# Section 5. Renewable Energy

Renewable energy sources included in the State Energy Data System (SEDS) comprise fuel ethanol, wood, waste, hydroelectric, geothermal, wind, photovoltaic, and solar thermal energy.

## Fuel Ethanol

Fuel ethanol is used as a gasoline octane enhancer and oxygenate (blended up to 10 percent concentration). A small amount of fuel ethanol is used as an alternative fuel, such as E85. It is typically produced chemically from ethylene, or biologically from fermentation of various sugars from carbohydrates found in agricultural crops and cellulosic residues from crops or wood. For 1981 forward, fuel ethanol estimates are maintained separately from motor gasoline in SEDS and shown in the State energy consumption data tables to illustrate renewable energy use.

The U.S. total fuel ethanol consumption in SEDS is a series developed by the U.S. Energy Information Administration (EIA) from annual reports of field production of oxygenated gasoline (prior to 2005), finished motor gasoline and motor gasoline blending components adjustments (2005 forward), and refinery and blender net inputs of fuel ethanol (all years). The fuel ethanol series used in SEDS is denatured fuel ethanol, which includes a small amount of denaturant added to the fuel ethanol to make it unfit for human consumption.

Through 2004, the U.S. total is allocated to the States using data series on gasohol or fuel ethanol published by the U.S. Department of Transportation Federal Highway Administration (FHWA).

Beginning in 2005, the State data series is based on several EIA data series and estimates:

- prime supplier sales of conventional (including oxygenated) gasoline and reformulated gasoline by State;
- production of conventional and reformulated gasoline, total and blended with alcohol, by Petroleum Administration for Defense (PAD) District and Refining District;
- a standard ethanol-to-motor gasoline "blend ratio" of 10 percent for all States except California (5.7 percent) and Minnesota (12 percent); and
- estimated fuel ethanol "product supplied" by PAD District and Refining District.

First, a set of preliminary estimates for fuel ethanol blended into motor gasoline is calculated by multiplying the prime supplier sales for the two types of gasoline with the corresponding percent of gasoline blended with alcohol and the "blend ratio," and summing them together for each State. Next, total fuel ethanol "product supplied" by PAD District and Refining District is estimated by adding motor gasoline blending components and finished motor gasoline adjustments (disaggregated to the districts by applying the district shares derived from the fuel ethanol refinery and blending net inputs data) to the fuel ethanol refinery and blending net inputs. Finally, the preliminary fuel ethanol estimates are scaled to the fuel ethanol "product supplied" values by district.

The fuel ethanol data series are identified in SEDS by the following names ("ZZ" in the variable name represents the two-letter State code that differs for each State):

ENTCPUS = fuel ethanol total consumed in the United States, in thousand barrels.

ENTCBUS = fuel ethanol total consumed in the United States, in billion Btu.

ENTRPZZ = fuel ethanol blended into motor gasoline (1993 forward) or total gasohol sales (1981 through 1992) by State, in thousand gallons.

The U.S. total of the State series, ENTRPZZ, is calculated as the sum of the State data. The U.S. value, ENTCPUS, is allocated to the States in proportion to the State estimates, ENTRPZZ:

ENTRPUS = ΣENTRPZZ
ENTCPZZ = (ENTRPZZ / ENTRPUS) * ENTCPUS

Fuel ethanol total consumed by State, ENTCPZZ, is allocated to the commercial, industrial, and transportation sectors according to the motor gasoline consumption share for each sector:

ENACPZZ = (MGACPZZ / MGTCPZZ) * ENTCPZZ
ENCCPZZ = (MGCCPZZ / MGTCPZZ) * ENTCPZZ
ENICPZZ = (MGICPZZ / MGTCPZZ) * ENTCPZZ

The U.S. consumption estimates for the three sectors are calculated as the sum of the States' values.

Fuel ethanol total consumed by State in Btu is calculated by multiplying total consumed by State in physical units by the U.S. conversion factor, which is derived from the U.S. fuel ethanol total consumed in physical units and Btu. Total U.S. consumption in Btu is the sum of the sectors' consumption:

ENTCKUS = ENTCBUS / ENTCPUS
ENTCBZZ = ENTCPZZ * ENTCKUS
ENTCBUS = ΣENTCBZZ

Fuel ethanol total consumed by State in Btu, ENTCBZZ, is allocated to the commercial, industrial, and transportation sectors according to the motor gasoline consumption share for each sector:

ENACBZZ = (MGACPZZ / MGTCPZZ) * ENTCBZZ
ENCCBZZ = (MGCCPZZ / MGTCPZZ) * ENTCBZZ
ENICBZZ = (MGICPZZ / MGTCPZZ) * ENTCBZZ
ENACBUS = ΣENACBZZ
ENCCBUS = ΣENCCBZZ
ENICBUS = ΣENICBZZ

### *Fuel Ethanol Excluding Denaturant*

Fuel ethanol contains a small amount of denaturant, which is added to make the finished product unsuitable for human consumption. Fuel ethanol denaturant is typically natural gasoline (pentanes plus), motor gasoline blending components, or conventional gasoline. These volumes are already accounted for under petroleum. Therefore, to avoid double-counting, and to separately identify the renewable content of fuel ethanol, EIA estimates the Btu content of fuel ethanol excluding denaturant consumed by the United States. This is then allocated to the States based on the States shares of fuel ethanol consumption, as follows:

EMTCBUS = fuel ethanol, excluding denaturant, consumed in the United States, in billion Btu.

EMTCBZZ = EMTCBUS *ENTCBZZ / ENTCBUS

Similarly, fuel ethanol excluding denaturant is allocated to the commercial, industrial, and transportation sectors according to the motor gasoline consumption share for each sector:

EMACBZZ = (MGACPZZ / MGTCPZZ) * EMTCBZZ
EMCCBZZ = (MGCCPZZ / MGTCPZZ) * EMTCBZZ
EMICBZZ = (MGICPZZ / MGTCPZZ) * EMTCBZZ
EMACBUS = ΣEMACBZZ
EMCCBUS = ΣEMCCBZZ
EMICBUS = ΣEMICBZZ

### *Energy Losses and Co-products from Fuel Ethanol Production*

Beginning in 1981, energy losses and co-products from the production of fuel ethanol are incorporated into State and U.S. industrial sector energy consumption (TEICBZZ and TEICBUS). This concept is defined as the difference between the heat content of the biomass inputs to the production of fuel ethanol and the heat content of the fuel ethanol produced. Energy losses for the United States are allocated to the States according to the fuel ethanol production share for each State. Energy losses for each State and the U.S. are then added to State and U.S. industrial and total energy consumption.

EMLCBUS = energy losses and co-products from the production of fuel ethanol for the United States, in billion Btu.
EMPRBUS = production of fuel ethanol, excluding denaturant, for the United States, in billion Btu.
EMPRBZZ = production of fuel ethanol, excluding denaturant, by State, in billion Btu.

EMLCBZZ = (EMPRBZZ / EMPRBUS) * EMLCBUS

### *Additional Notes*

Fuel ethanol data blended into motor gasoline (ENTRPZZ) are published in FHWA *Highway Statistics* from 1993 through 2001, 2003, and 2004.

In 2002, fuel ethanol blended into motor gasoline is not available from *Highway Statistics*. The ratio of each State's fuel ethanol in gasohol to total gasohol consumption is calculated for 2001 and 2003. The two ratios for each State are averaged and the average is applied to each State's 2002 total gasohol consumption to derive the amount of fuel ethanol consumed in gasohol in 2002. Fuel ethanol and gasohol data for Florida, Massachusetts, and Rhode Island are available for only 2001 or 2003; in these instances, the ratio of only the available year is used.

### *Data Sources*

EMLCBUS — Energy losses and co-products from the production of fuel ethanol for the United States.
- 1981 forward: EIA, *Annual Energy Review*, Table 10.3.

EMPRBUS — Production of fuel ethanol excluding denaturant for the United States.
- 1981 forward: EIA, *Annual Energy Review*, Table 10.3.

EMPRBZZ — Production of fuel ethanol excluding denaturant by State.
- 1981 forward: EIA, State Energy Data System, production estimates.

EMTCBUS — Fuel ethanol excluding denaturant consumed in the United States in billion Btu.
- 1981 forward: EIA, *Annual Energy Review*, Table 10.3.

ENTCBUS — Fuel ethanol including denaturant consumed in the United States in billion Btu.
- 1981 forward: EIA, *Annual Energy Review*, Table 10.3.

ENTCPUS — Fuel ethanol, including denaturant, consumed in the United States.
- 1960 through 1980: No data are available. Values are assumed to be zero.
- 1981 through 1992:
  - — 1981, 1984, 1987, and 1989: EIA, *Estimates of U.S. Biofuels Consumption 1990*, Table 10.
  - — 1982 and 1983: EIA, Office of Coal, Nuclear, Electric, and Alternate Fuels estimates.
  - — 1985, 1986, 1988, and 1991: Values interpolated.
  - — 1990 and 1992: EIA, *Estimates of U.S. Biomass Energy Consumption 1992*, Table D1.
- 1993 through 2004: EIA estimates based on data in the EIA *Petroleum Supply Annual, (PSA)* Tables 2 and 16. Ten percent of the "Field Production" of "Oxygenated Finished Motor Gasoline" from the *PSA* Table 2 is added to the "Refinery Input of Fuel Ethanol" from the *PSA* Table 16.
- 2005 through 2008: EIA estimates based on data in the EIA *PSA*, Tables 1 and 15. Motor gasoline blending components adjustments and finished motor gasoline adjustments from *PSA*, Table 1, are added to fuel ethanol refinery and blender net inputs from *PSA*, Table 15.
- 2009 forward: EIA estimates based on data in the EIA *PSA*, Table 1. Fuel Ethanol Stock Exchange and Fuel Ethanol Exports are subtracted from Fuel Ethanol Renewable Fuels and Oxygenate Plant Net Production and Fuel Ethanol Imports.

ENTRPZZ — Fuel ethanol blended into motor gasoline by State.
- 1960 through 1980: Values are set to be zero.
- 1981 through 1992: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics, Summary to 1995,* Table MF-233GLA.
- 1993 through 1995: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics, Summary to 1995,* Table MF-233E, column titled "Total Ethanol Used in Gasohol."

- 1996 through 2001, 2003, and 2004: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Table MF-33E, column titled "Total Ethanol Used in Gasohol."
- 2002: EIA estimates based on the 2001 and 2003 data from *Highway Statistics.* For an explanation of the estimation methodology, see the "Additional Notes" on page 85.
- 2005 forward: EIA estimates based on sales of motor gasoline from the *Prime Supplier Report*, production of motor gasoline (with and without alcohol) and estimated ethanol "product supplied" from *PSA*, and State-level ethanol-to-motor-gasoline "blend ratios." See explanation of the estimation methodology on page 83.

## Geothermal Energy

Geothermal energy used as direct heat or from heat pumps in the residential, commercial, and industrial sectors is included in the State Energy Data System (SEDS) for 1989 forward. Electric power sector consumption in SEDS includes geothermal energy input at electric utilities for all years, 1960 forward, and includes geothermal energy used to generate electricity by nonutility power producers for 1989 forward. These data series are identified in SEDS by the following names ("ZZ" in the variable name represents the two-letter State code that differs for each State):

GECCBZZ = direct use of geothermal energy and geothermal heat pumps in the commercial sector by State, in billion British thermal units (Btu);
GEEGPZZ = electricity produced from geothermal energy by the electric power sector by State, in million kilowatthours;
GEICBZZ = direct use of geothermal energy and geothermal heat pumps in the industrial sector by State, in billion Btu; and
GERCBZZ = direct use of geothermal energy and geothermal heat pumps in the residential sector by State, in billion Btu.

The U.S. totals for the State-level series are calculated by summing the State data:

GECCBUS = ΣGECCBZZ
GEEGPUS = ΣGEEGPZZ
GEICBUS = ΣGEICBZZ
GERCBUS = ΣGERCBZZ

Electricity produced from geothermal energy is converted from kilowatthours to British thermal units (Btu) by using the U.S. average heat content of fossil fuels consumed at steam-electric power plants, FFETKUS, as a conversion factor. The annual values for this factor are shown in the Consumption Technical Notes, Appendix B, Table B1, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

FFETKUS = factor for converting electricity produced from geothermal energy from killowatthours to Btu.

The values for the electric power sector in each State are converted to Btu and the U.S. total is the sum of the State data:

GEEGBZZ = GEEGPZZ * FFETKUS
GEEGBUS = ΣGEEGBZZ

The State totals for geothermal energy are the sum of the residential, commercial, and industrial sectors' use and the electric power sector's geothermal-based generation. The U.S. total is the sum of the State data.

GETCBZZ = GERCBZZ + GECCBZZ + GEICBZZ + GEEGBZZ
GETCBUS = ΣGETCBZZ

### *Additional Notes*

Consumption estimates of geothermal energy from direct use and heat pumps in the residential, commercial, and industrial sectors are from the Oregon Institute of Technology Geo-Heat Center. State data for 1989 and 1994 are based on surveys of geothermal equipment producers, distributors, and installers and State energy offices. State estimates from 1998 forward are developed by the Geo-Heat Center from discussions with industry sources.

The State data for 1989, 1994, and 1998 are used by the U.S. Energy Information Administration (EIA) to estimate the State values for intervening years. States with the same value in two survey years are assigned that value for each intervening year. For States with increases or decreases in the survey data, the difference is allocated evenly over the intervening

years. If a State went from zero to a value or from a value to zero, it was given zero in the intervening years. The State data for each intervening year are summed and States with increasing or decreasing values are adjusted until the U.S. total equals the U.S. total estimated by the Oregon Institute of Technology Geo-Heat Center.

### *Data Sources*

FFETKUS — Fossil-fueled steam-electric power plant conversion factor.

- 1960 through 1988: Estimated by EIA as the weighted annual average heat rate for fossil-fueled steam-electric plants in the United States as published in the EIA, *Electric Plant Cost and Power Production Expenses 1991*, Table 9.
- 1989 through 2000: Calculated annually by EIA by using heat rate data reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms); and net generation data reported on Form EIA-759, "Monthly Power Plant Report." The computation includes data for all electric utility steam-electric plants using fossil fuels.
- 2001 forward: Calculated annually by EIA by using fuel consumption and net generation data reported on Form EIA-923, "Power Plant Operations Report," and predeccessor forms. The computation includes data for all electric utilities and electricity-only independent power producers using fossil fuels.

GECCBZZ — Direct use and heat pump geothermal energy in the commercial sector.

- 1960 through 1988: No data available. Values assumed to be zero.
- 1989: Oregon Institute of Technology Geo-Heat Center, unpublished tables (April 1999) based on a survey.
- 1990 through 1993: U.S. totals are estimates from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1989 and 1994 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.
- 1994: Oregon Institute of Technology Geo-Heat Center, unpublished tables (April 1999) based on a survey.
- 1995 through 1997: U.S. totals are from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1994 and 1998 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.
- 1998 forward: Oregon Institute of Technology Geo-Heat Center, unpublished tables based on informal surveys and estimations.

GEEGPZZ — Electricity produced from geothermal energy by the electric power sector for each State.

- 1960 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

GEICBZZ — Direct use and heat pump geothermal energy in the industrial sector.

- 1960 through 1988: No data available. Values assumed to be zero.
- 1989: Oregon Institute of Technology Geo-Heat Center, unpublished tables (April 1999) based on a survey.
- 1990 through 1993: U.S. totals are estimates from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1989 and 1994 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.
- 1994: Oregon Institute of Technology Geo-Heat Center, unpublished tables, (April 1999) based on a survey.
- 1995 through 1997: U.S. totals are from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1994 and 1998 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.
- 1998 forward: Oregon Institute of Technology Geo-Heat Center, unpublished tables based on informal surveys and estimations.

GERCBZZ — Direct use and heat pump geothermal energy in the residential sector.

- 1960 through 1988: No data available. Values assumed to be zero.
- 1989: Oregon Institute of Technology Geo-Heat Center, unpublished tables (April 1999) based on a survey.
- 1990 through 1993: U.S. totals are estimates from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1989 and 1994 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.

- 1994: Oregon Institute of Technology Geo-Heat Center, unpublished tables (April 1999) based on a survey.
- 1995 through 1997: U.S. totals are from the Oregon Institute of Technology Geo-Heat Center, unpublished tables. State data for 1994 and 1998 are used to estimate State values for the intervening years. For an explanation of the estimation methodology, see the "Additional Note" on page 86.
- 1998 forward: Oregon Institute of Technology Geo-Heat Center, unpublished tables based on informal surveys and estimations.

## Hydroelectric Power

Electricity produced from hydropower is included in the State Energy Data System (SEDS) in the industrial and electric power sectors for all years, 1960 forward, and in the commercial sector for 1989 forward. In the electric power sector, there are two types of hydroelectric power: conventional hydroelectric power and pumped storage hydroelectricity. Conventional hydroelectric power uses falling water to drive turbines to produce electricity. Pumped storage hydroelectricity is generated by releasing water that has been pumped into an elevated storage reservoir during off-peak periods to drive the turbines during times of peak demand. Electricity produced from pumped storage, when it can be identified separately, is not included in energy consumption estimates because the energy that was used to pump the water is already accounted for. The hydroelectric power data series included in SEDS are identified by the following names ("ZZ" in the name represents the two-letter State code that differs for each State):

HVEGPZZ = electricity produced by conventional hydroelectric power in the electric power sector by State, in million kilowatthours;
HVC5PZZ = electricity produced by conventional hydroelectric power at commercial facilities by State, in million kilowatthours;
HVI5PZZ = electricity produced by conventional hydroelectric power at industrial facilities by State, in million kilowatthours;

The U.S. value for each of the series is the sum of the State data.

Total use of hydroelectric power in the commercial, industrial, and electric power sectors is assumed to be the electricity produced by conventional hydroelectric power. The U.S. total for each sector is the sum of the State values:

HYCCPZZ = HVC5PZZ
HYCCPUS = ΣHYCCPZZ

HYICPZZ = HVI5PZZ
HYICPUS = ΣHYICPZZ

HYEGPZZ = HVEGPZZ
HYEGPUS = ΣHYEGPZZ

Electricity produced from hydroelectric power is converted from kilowatthours to British thermal units (Btu) by using the U.S. average heat content of fossil fuels consumed at steam-electric power plants, FFETKUS, as a conversion factor. The annual values for this factor are shown in the Consumption Technical Notes, Appendix B, Table B1, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

FFETKUS = factor for converting hydroelectric power from kilowatthours to Btu.

HYCCBZZ = HYCCPZZ * FFETKUS
HYICBZZ = HYICPZZ * FFETKUS
HYEGBZZ = HYEGPZZ * FFETKUS

The U.S. value for each of the series is the sum of the State data.

Total hydroelectricity consumption for each State is the sum of the commercial, industrial, and electric power sectors' generation.

HYTCPZZ = HYCCPZZ + HYICPZZ + HYEGPZZ
HYTCPUS = ΣHYTCPZZ

HYTCBZZ = HYCCBZZ + HYICBZZ + HYEGBZZ
HYTCBUS = ΣHYTCBZZ

### *Data Sources*

FFETKUS — Fossil-fueled steam-electric power plant conversion factor.

- 1960 through 1988: Estimated by EIA as the weighted annual average heat rate for fossil-fueled steam-electric plants in the United States as published in the EIA, *Electric Plant Cost and Power Production Expenses 1991*, Table 9.
- 1989 through 2000: Calculated annually by EIA by using heat rate data reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms); and net generation data reported on Form EIA-759, "Monthly Power Plant Report." The computation includes data for all electric utility steam-electric plants using fossil fuels.
- 2001 forward: Calculated annually by EIA by using fuel consumption and net generation data reported on Form EIA-923, "Power Plant Operations Report," and predeccessor forms. The computation includes data for all electric utilities and electricity-only independent power producers using fossil fuels.

HVC5PZZ — Electricity produced from conventional hydroelectric power at the commercial facilities by State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

HVI5PZZ — Electricity produced from conventional hydroelectric power at industrial facilities by State.

- 1960 through 1978: Federal Power Commission, Form 4, "Monthly Power Plant Report."
- 1979 and 1980: EIA estimates based on previous years' data.
- 1981 through 1988: No data available. The 1980 data are repeated for each year.
- 1989 forward: EIA, Forms EIA-923, "Power Plant Operations Report," and predecessor forms.

HVEGPZZ — Electricity produced from conventional hydroelectric power by the electric power sector (includes pumped storage hydroelectric power through 1989) by State.

- 1960 through 1977: Federal Power Commission, News Release, "Power Production, Fuel Consumption, and Installed Capacity Data."
- 1978 through 1980: EIA, *Energy Data Reports*, "Power Production, Fuel Consumption and Installed Capacity Data."
- 1981 through 1988: EIA, Form EIA-759, "Monthly Power Plant Report," and predecessor forms. The data rounded to gigawatthours are published in the following reports:
  - — 1981 through 1985: EIA, *Electric Power Annual 1985*, Table 6.
  - — 1986 and 1987: EIA, *Electric Power Annual 1987*, Table 18.
  - — 1988: EIA, *Electric Power Annual 1989*, Table 14.
- 1989 forward: EIA, Forms EIA-923, "Power Plant Operations Report," and predecessor forms.



## Solar Energy

Estimates of solar energy use for the residential and commercial sectors combined and the industrial sector are included in the State Energy Data System (SEDS) for 1989 forward. Generation of electricity by the electric power sector from solar energy sources is included in SEDS for 1984 forward.

### Residential/Commercial Sector

Solar thermal direct use energy and photovoltaic electricity net generation in the residential and commercial sectors for the United States are estimated by the U.S. Energy Information Administration (EIA) in billion British thermal units (Btu) and published in the EIA *Annual Energy Review* for 1989 forward. Since the amount of commercial use is very small, it is combined with residential consumption in SEDS. A State-level series for allocating the U.S. total to the States is developed by EIA from accumulated data on shipments of solar thermal collectors to States, measured in square feet, as collected on the EIA Form EIA-63A, "Annual Solar Thermal Collector Manufacturers Survey," and predecessor forms. The data are published for recent years in the EIA *Renewable Energy Annual*. The assumption is made that the retirement/replacement period for solar thermal collectors is 20 years. See "Additional Notes on Solar Energy" on page 90 for more details. The data series are identified in SEDS by the following names ("ZZ" in the variable name represents the two-letter State code that differs for each State):

SOHCBUS = solar thermal direct use energy, and photovoltaic electricity net generation (converted to Btu using the fossil-fueled

plants heat rate), in the residential and commercial sectors combined in the United States, in billion Btu; and

SOTTPZZ = rolling 20-year accumulation of shipments of solar thermal energy collectors by State, in square feet.

The U.S. total of shipments of solar thermal energy collectors is calculated as the sum of the State data, and the U.S. residential/commercial solar energy use is allocated to the States as follows:

SOTTPUS = ΣSOTTPZZ
SOHCBZZ = (SOTTPZZ / SOTTPUS) * SOHCBUS

## Electric Power Sector

The electric power sector includes estimates of electricity produced from photovoltaic and solar thermal energy sources by electric utilities for 1984 forward, and by both electric utilities and nonutility power producers for 1989 forward. The data series is identified in SEDS by the following name ("ZZ" in the variable name represents the two-letter State code that differs for each State):

SOEGPZZ = electricity produced from photovoltaic and solar thermal energy sources by the electric power sector, for each State, in million kilowatthours.

The U.S. total for this series is calculated as the sum of the State data:

SOEGPUS = ΣSOEGPZZ

Electricity produced from photovoltaic and solar thermal energy in the electric power sector is converted from kilowatthours to Btu by using a conversion factor that is the U.S. average heat content of fossil fuels consumed at steam-electric power plants, FFETKUS. The annual values for this factor are shown in Appendix B, Table B1, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

FFETKUS = factor for converting electricity produced from solar energy sources from kilowatthours to Btu.

The values for the electric power sector in each State are converted to Btu and the U.S. total is the sum of the State data:

SOEGBZZ = SOEGPZZ * FFETKUS
SOEGBUS = ΣSOEGBZZ

Each State's total use of photovoltaic and solar thermal energy sources is the sum of the sectors' values, and the U.S. total is the sum of the States' totals:

SOTCBZZ = SOHCBZZ + SOEGBZZ
SOTCBUS = ΣSOTCBZZ

### *Additional Notes on Solar Energy*

Shipments of solar thermal collectors in the United States, in thousand square feet, for 1974 forward are collected on the EIA Form EIA-63A, "Annual Solar Thermal Collector Manufacturers Survey," (and predecessor forms) and used to develop this series for 1989 forward. The data are accumulated year to year on the assumption that the replacement/retirement period for solar thermal collectors is 20 years. Data for 1974 through 1985 are available for the U.S. total only and are allocated to the States by using an allocating series that is the average of the 1986 and 1987 shipments (the first years State-level data were collected). The ratios of the average 1986 and 1987 State values to the average 1986 and 1987 U.S. value are applied to the national annual values for each year, 1974 through 1985. Beginning in 1986, the U.S. data are adjusted to remove Puerto Rico and the Virgin Islands.

Shipments of solar thermal collectors include high-temperature parabolic dish or trough collectors used by the electric power sector. Data for California (1986 through 1996, 1998 through 2001, 2008, and 2009), Arizona (2005, 2009), and Nevada (2006) are reduced by the shipments of high-temperature parabolic dish or trough collectors to the electric power sector as shown in the *Renewable Energy Annual*. See SOTTPZZ Data Sources on page 90 for source table details.

### *Data Sources*

FFETKUS — Fossil-fueled steam-electric power plant conversion factor.

- 1960 through 1988: Estimated by EIA as the weighted annual average heat rate for fossil-fueled steam-electric plants in the United States as published in the EIA, *Electric Plant Cost and Power Production Expenses 1991*, Table 9.
- 1989 through 2000: Calculated annually by EIA by using heat rate data reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms); and net generation data reported on Form EIA-759, "Monthly Power Plant Report." The computation includes data for all electric utility steam-electric plants using fossil fuels.
- 2001 forward: Calculated annually by EIA by using fuel consumption and net generation data reported on Form EIA-923, "Power Plant Operations Report," and its predecessor forms. The computation includes data for all electric utilities and electricity-only independent power producers using fossil fuels.

SOEGPZZ — Electricity produced from photovoltaic and solar thermal energy sources by the electric power sector by State.

- 1960 through 1983: No data available. Values are assumed to be zero.
- 1984 forward: EIA, Forms EIA-923, "Power Plant Operations Report" and predecessor forms.

SOHCBUS — Solar thermal direct use energy, and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate), in the residential and commercial sectors combined in the United States.

- 1960 through 1988: No data available. Values are zero.
- 1989 forward: EIA, *Annual Energy Review,* Table 10.2a.

SOTTPZZ — Rolling 20-year accumulation of shipments of solar thermal energy collectors by State.

- 1960 through 1988: Values are set to zero in SEDS for consistency with SOHCBUS.
- 1989 forward: Shipments of solar thermal collectors in the United States, in thousand square feet, for 1974 forward are collected on the EIA Form EIA-63A, "Annual Solar Thermal Collector Manufacturers Survey," (and predecessor forms) and used to develop this series for 1989 forward. The sources for these data series are:
  - 1986 through 1993: EIA, *Solar Collector Manufacturing Activity* for each year. The specific table numbers are:
    - 1986 through 1988, 1990: Table 5.
    - 1989: Table 4.
    - 1991 and 1992: Table 13.
    - 1993: Table 12.
  - 1994 forward: EIA, *Renewable Energy Annual*. Data are from the report of the following year (i.e., 1994 data are published in the *Renewable Energy Annual 1995*) for 1994 through 2000. Beginning in 2001, data are from the report of the same year. The specific tables are:
    - 1994: Table 13.
    - 1995: Table F9.
    - 1996: Table 16.
    - 1997: Table 15.
    - 1998 and 1999: Table 12.
    - 2000: Unpublished data.
    - 2001 through 2003: Table 14.
    - 2004 and 2005: Table 34.
    - 2006 forward: Table 2.6.

Note: High-temperature parabolic dish or trough collectors shipped to the electric power sector are deducted from the solar thermal collector shipments. They are available in the following tables:

- 1986 through 1993: EIA, *Renewable Energy Annual 1995*, Table 13.
- 1994 forward: EIA, *Renewable Energy Annual*. Data are from the report of the following year (i.e., 1994 data are published in the *Renewable Energy Annual 1995*) for 1994 through 2000. Beginning in 2001, data are from the report of the same year. The specific tables are:
  - 1994: Table H3.
  - 1995: Table F10.
  - 1996: Table 17.
  - 1997: Table 19.
  - 1998 and 1999: Table 16.
  - 2000: Unpublished data.
  - 2001 through 2003: Table 18.
  - 2004 and 2005: Table 38.
  - 2006: Table 2.10.
  - 2007 forward: Table 2.13.

## Wind Energy

Wind energy used to produce electricity by the electric power sector is included in the State Energy Data System (SEDS) for 1983 forward. The data are identified in SEDS by the following name ("ZZ" in the variable name represents the two-letter State code that differs for each State):

WYEGPZZ = electricity produced from wind energy by the electric power sector, by State, in million kilowatthours.

The U.S. total is calculated as the sum of the State data:

WYEGPUS = ΣWYEGPZZ

Electricity produced from wind energy by the electric power sector is converted from kilowatthours to British thermal units (Btu) by using a conversion factor that is the U.S. average heat content of fossil fuels consumed at steam-electric power plants, FFETKUS. The annual values for this factor are shown in Appendix B, Table B1, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

FFETKUS = factor for converting electricity produced from wind energy from kilowatthours to Btu.

The values for the electric power sector in each State are converted to Btu and the U.S. total is the sum of the State data:

WYEGBZZ = WYEGPZZ * FFETKUS
WYEGBUS = ΣWYEGBZZ

The State and U.S. totals for wind energy are calculated:

WYTCBZZ = WYEGBZZ
WYTCBUS = ΣWYTCBZZ

### *Data Sources*

FFETKUS — Fossil-fueled steam-electric power plant conversion factor.

- 1960 through 1988: Estimated by EIA as the weighted annual average heat rate for fossil-fueled steam-electric plants in the United States as published in the EIA, *Electric Plant Cost and Power Production Expenses 1991*, Table 9.
- 1989 through 2000: Calculated annually by EIA by using heat rate data reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms); and net generation data reported on Form EIA-759, "Monthly Power Plant Report." The computation includes data for all electric utility steam-electric plants using fossil fuels.
- 2001 forward: Calculated annually by EIA by using fuel consumption and net generation data reported on Form EIA-923, "Power Plant Operations Report," and predecessor forms. The computation includes data for all electric utilities and electricity-only independent power producers using fossil fuels.

WYEGPZZ — Electricity produced from wind energy by the electric power sector by State.

- 1960 through 1982: No data available. Values are assumed to be zero.
- 1983 forward: EIA, Forms EIA-923, "Power Plant Operations Report," and predecessor forms.

## Wood and Waste

Different forms of wood and waste are used by each consuming sector. The residential sector burns wood for space heating. The commercial sector uses wood for space heating, and it uses wood, municipal waste and landfill gas for steam heat and electricity generation. The industrial sector uses combustible industrial by-products and wood chips for electricity generation and process steam. The electric power sector uses wood, industrial wood waste and waste gas, and municipal waste as cofiring or primary fuels to produce electricity. Consumption of wood and waste in all sectors is included in the State Energy Data System (SEDS) for 1960 forward. Wood includes wood and wood-derived fuels. Waste is biomass waste which includes municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, etc. Prior to 2001, waste also includes non-biomass waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

## Residential Sector

### *Physical Units*

Estimates of wood consumed in the residential sector by State for 1960 through 1979 are from the U.S. Energy Information Administration (EIA) *Estimates of U.S. Wood Energy Consumption from 1949 to 1981*. For 1980 forward, State estimates are developed from U.S. totals published in the EIA *Annual Energy Review (AER)*, from Census division data collected on the EIA triennial survey, *Residential Energy Consumption Survey (RECS)* for 1981, 1984, 1987, 1990, 1993, 1997, 2001, and 2005 and from U.S. Department of Commerce, Bureau of the Census, annual estimates of number of housing units per State. The 1981 *RECS* provides wood consumption data for the national total and Census regions. For all other years, *RECS* provides data for the national total and Census divisions. In addition, the survey sample size of the 1993, 1997, and 2001 *RECS* were large enough to provide data for California, Florida, New York, and Texas. For 2005, *RECS* only provides data for California, New York, and Texas. An estimate for Florida is derived from the 2005 *RECS* microdata. Estimates for the other States in 1993, 1997, 2001, and 2005, and for all States in the other years are developed by allocating the U.S. total from the *AER* to the Census divisions or regions in proportion to *RECS* data. Estimates for the years intervening the *RECS* surveys are based on the annual U.S. totals from the *AER* and the State proportions of the preceding available *RECS*, i.e., 1982 and 1983 estimates are based on the State proportions of the 1981 data.

The regional values derived from the RECS data are then allocated to the States within the regions in proportion to Census Bureau data on housing units per State. For years prior to 2005, total housing units by State from the Population Division are used, and it is assumed that no wood is consumed in the residential sector in Hawaii. Beginning in 2005, the number of occupied housing units that use wood as primary heating fuel from the American Community Survey is used to allocate the regional values to the States.

The State data derived above are used in SEDS as wood consumption in the residential sector, identified in the system as WDRCPZZ. "ZZ" in the following variable name represents the two-letter State code that differs for each State.

WDRCPZZ = wood consumed in the residential sector of each State, in thousand cords.

The State-level data are summed to a U.S. total:

WDRCPUS = ΣWDRCPZZ

### *British Thermal Units (Btu)*

The residential sector data in cords are converted to Btu by using the conversion factor of 20 million Btu per cord:

WDRCBZZ = WDRCPZZ * 20
WDRCBUS = ΣWDRCBZZ

### *Data Sources*

WDRCPZZ — Wood energy consumed by the residential sector by State.

- 1960 through 1979: EIA, *Estimates of U.S. Wood Consumption from 1949 to 1981*, Table A4. Data published in thousand short tons are converted to thousand cords by using the factors of one short ton equals 17.2 million Btu (as published in the footnote of Table A4) and 20 million Btu equal one cord of wood, (as published in EIA, *Household Energy Consumption and Expenditures 1993*, page 314.
- 1980 forward: U.S. totals published in the EIA *Annual Energy Review,* Table 10.2a are converted from trillion Btu to thousand cords (by using the factor of 20 million Btu per cord) and allocated to the States as described below. Hawaii residential wood consumption is assumed to be zero for all years.
  - — 1980 through 1983: U.S. Census Region wood consumption in thousand cords from Form EIA-457, "1981 Residential Energy Consumption Survey" is allocated to the States within each Region in proportion to the U.S. Department of Commerce, Bureau of the Census, *American Housing Survey*, "Total Housing Units for States, July 1, 1981." This derived 1981 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1980 through 1983.
  - — 1984 through 1986: U.S. Census division wood consumption in thousand cords from Form EIA-457, "1984 Residential Energy Consumption Survey" is allocated to the States within each

Division in proportion to the U.S. Department of Commerce, Bureau of the Census, *American Housing Survey*, "Total Housing Units for States, July 1, 1984." This derived 1984 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1984 through 1986.

— 1987 through 1989: U.S. Census division wood consumption in thousand cords from Form EIA-457, "1987 Residential Energy Consumption Survey" is allocated to the States within each Division in proportion to the U.S. Department of Commerce, Bureau of the Census, *American Housing Survey*, "Total Housing Units for States, July 1, 1987." This derived 1987 series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1987 through 1989.

— 1990 through 1992: U.S. Census division wood consumption in thousand cords is from Form EIA-457, "1990 Residential Energy Consumption Survey." State-level estimates are available for 1993 for California, Florida, New York, and Texas from the Form EIA-457, "1993 Residential Energy Consumption Survey." Those four States' percentages of their respective Division totals in the 1993 survey are applied to the 1990 Census division data to derive their 1990 values. Wood consumption by the other States in each Division is estimated by allocating the remaining Division data to the States in proportion to the U.S. Department of Commerce, Bureau of the Census, Internet file (ST-98-51) "Estimates of Housing Units,...Annual Time Series,...(includes revised April 1, 1990 census housing...)" column titled "4/1/90 Census" at http://www.census.gov/population/estimates/housing/sthuhh6.txt. This derived 1990 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1990 through 1992.

— 1993 through 1996: Residential wood consumption data for U.S. Census divisions and for California, Florida, New York, and Texas are from Form EIA-457, "1993 Residential Energy Consumption Survey." Data for the other States in each Division are estimated by allocating the remaining Division data to the States in proportion to the U.S. Department of Commerce, Bureau of the Census, Internet file (ST-98-51) "Estimates of Housing Units,...Annual Time Series, July 1, 1991 to July 1, 1998...," column titled "7/1/93" at http://www.census.gov/population/estimates/housing/sthuhh6.txt. This derived 1993 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1993 through 1996.

— 1997 through 2000: Residential wood consumption data for U.S. Census divisions and for California, Florida, New York, and Texas are from Form EIA-457, "1997 Residential Energy Consumption Survey." Data for the other States in each Division are estimated by allocating the remaining Division data to the States in proportion to the U.S. Department of Commerce, Bureau of the Census, Internet file (ST-98-51) "Estimates of Housing Units,...Annual Time Series, July 1, 1991 to July 1, 1998...," column titled "7/1/97" at http://www.census.gov/population/estimates/housing/sthuhh6.txt. This derived 1997 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 1997 through 2000.

— 2001 through 2004: Residential wood consumption data for U.S. Census divisions and for California, Florida, New York, and Texas are from Form EIA-457, "2001 Residential Energy Consumption Survey." Data for the other States in each Division are estimated by allocating the remaining Division data to the States in proportion to the U.S. Department of Commerce, Bureau of the Census, Internet file "Table 1. Annual Estimates of Housing Units for the United States and States: April 1, 2000 to July 1, 2007," column titled "July 1, 2001" at http://www.census.gov/popest/housing/tables/HU- EST2007-01.xls. This derived 2001 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 2001 through 2004.

— 2005 forward: Residential wood consumption data for U.S. Census divisions and for California, Florida, New York, and Texas are from Form EIA-457, "2005 Residential Energy Consumption Survey." Data for the other States in each Division are estimated by allocating the remaining Division data to the States in proportion to the U.S. Department of Commerce, Bureau of the Census, 2005-2007 American Community Survey 3-Year Estimates, Series B25040, by State, Occupied Housing Units by House Heating Fuel," item titled "Wood," at http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=datasets_2&_lang=en. This derived 2005 State series is used to allocate the *AER* annual U.S. residential wood consumption to the States for 2005 forward.

## Commercial Sector

Estimates of wood consumed in the commercial sector by State for 1960 through 1979 are from the EIA, *Estimates of U.S. Wood Energy Consumption from 1949 to 1981*. The data published in thousand short tons are converted to billion Btu by using the conversion factor of one short ton equals 17.2 million Btu. The assumption was made in that report that wood is consumed in the commercial sector in proportion to consumption in the residential sector each year. For 1980 through 1988, national level commercial wood consumption estimates in trillion Btu are from the EIA, *Annual Energy Review*. Using the same methodology as for previous years, the national data are allocated to the States in proportion to residential sector wood use each year.

For 1989 forward, State-level data on wood and waste consumption by commercial combined-heat-and-power (CHP) and electricity-only plants are available from the EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms. The U.S. total wood consumption in the commercial sector is published in the *AER*. The U.S. total of the State commercial CHP and electricity-only plant wood consumption is subtracted from the *AER* national commercial sector total, and the remainder is allocated to the States in proportion to each State's residential sector wood use each year from 1989 forward.

The data series described above, used to estimate SEDS wood and waste consumption in the commercial sector, are identified as follows ("ZZ" in the variable names represents the two-letter State code that differs for each State):

WDRCPZZ = wood consumed in the residential sector of each State, in thousand cords;
WDCCBUS = wood consumed by the commercial sector in the United States, in billion Btu;
WDC3BZZ = wood consumed by CHP and electricity-only facilities in the commercial sector of each State, in billion Btu; and
WSC3BZZ = waste consumed by CHP and electricity-only facilities in the commercial sector of each State, in billion Btu.

The U.S. totals for the State-level series are calculated as the sum of the State data.

$$WDRCPUS = \Sigma WDRCPZZ$$
$$WDC3BUS = \Sigma WDC3BZZ$$
$$WSC3BUS = \Sigma WSC3BZZ$$

The national total wood consumed by commercial entities other than CHP and electricity-only facilities are calculated as shown below, and those volumes are allocated to the States in proportion to the residential wood consumption series as follows:

$$WDC4BUS = WDCCBUS - WDC3BUS$$
$$WDC4BZZ = (WDRCPZZ / WDRCPUS) * WDC4BUS$$

State totals of commercial wood consumption are calculated as the sum of consumption by CHP and electricity-only facilities and the remaining commercial sector:

$$WDCCBZZ = WDC3BZZ + WDC4BZZ$$

Total commercial consumption of waste is set equal to the commercial consumption of waste by CHP and electricity-only facilities, which are the only commercial facilities with waste consumption, and the U.S. total is calculated as the sum of the State values.

$$WSCCBZZ = WSC3BZZ$$
$$WSCCBUS = \Sigma WSCCBZZ$$

The total wood and waste consumption in the commercial sector is calculated as the sum of wood consumption and waste consumption, and the U.S. total is calculated as the sum of the State data:

$$WWCCBZZ = WDCCBZZ + WSCCBZZ$$
$$WWCCBUS = \Sigma WWCCBZZ$$

### *Data Sources*

WDC3BZZ — Wood energy consumed by CHP and electricity-only facilities in the commercial sector of each State.

- 1960 through 1988: No data available. Values are assumed to be zero.

- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

WDCCBUS — Wood consumed by the commercial sector in the United States.

- 1960 through 1979: EIA, *Estimates of U.S. Wood Energy Consumption from 1949 to 1981*, Table A7. Data published in thousand short tons are converted to Btu using the factor of one short ton equals 17.2 million Btu (as stated in the footnote of Table A7).
- 1980 forward: EIA, data in billion Btu shown in trillion Btu in the *Annual Energy Review 2009*, Table 10.2a.

WSC3BZZ — Waste energy consumed by CHP and electricity-only facilities in the commercial sector of each State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

WDRCPZZ — Wood energy consumed by the residential sector by State. See sources on page 93.

## Industrial Sector

Industrial sector wood and waste consumption estimates by State for 1960 through 1979 are from the EIA, *Estimates of U.S. Wood Energy Consumption from 1949 to 1981*. The data, published in thousand short tons, are converted to billion Btu using the factor 1 short ton equals 17.2 million Btu.

Estimates for 1980 through 1995 are based on a national-level data series published for 1949 forward in the EIA *Annual Energy Review (AER)*. National wood and waste consumption by type is collected by Standard Industrial Classification (SIC) on the EIA triennial survey Form EIA-846, "Manufacturing Energy Consumption Survey" (MECS) for 1985, 1988, 1991, and 1994. The assumption is made that wood and waste use in the manufacturing sector occurs primarily in the industries included in SIC series 2421 (sawmills and planing mills), 2511 (wood household furniture), 2621 (paper mills), 2046 (wet corn milling), and 2061 (raw cane sugar). The amount of wood and waste consumed by each of the SIC groups of industries is estimated from the MECS data, and the MECS proportions are used to allocate the U.S. totals from the *AER* to SIC groups for each year. The SIC annual subtotals are allocated to the States using State-level data on the value added in manufacturing processes for each of the SIC series listed above, as published in the U.S. Department of Commerce, Bureau of the Census, *Census of Manufactures, Industry Series*, for 1982, 1987, and 1992.

Estimates for 1996 forward use the same methodology used for 1980 through 1995 with the exception that the Bureau of the Census *Economic Census* for 1997 and 2002 use North American Industry Classification System (NAICS) instead of Standard Industrial Classifications. Some categories used in the two classification systems are directly comparable (NAICS 311221 to SIC 2046, NAICS 311311 to SIC 2061, and NAICS 322130 to SIC 2631), some are closely (over 97 percent) comparable (NAICS 337122 to SIC 2511 and the sum of NAICS 321113 and 321912 to SIC 2421), and one is roughly (74 percent) comparable (NAICS 322121 to SIC 2621). The EIA survey Form EIA-846, MECS, also uses NAICS codes in the surveys for 1998, 2002, and 2006. The discontinuity in these State allocating series caused by the change from SIC to NAICS categories is not significant in light of the broad assumptions of the estimation methodology.

Also, from 2006 forward, NAICS subtotals are allocated to the States using the State-level series from the U.S. Department of Commerce, 2007 Economic Census, Manufacturing, Geographic Area Series, column titled "Value of shipments" data for NAICS series 311221, 311311, 313, 321113, 3212, 32191, 322121, 322122, 322130, and 3372..

For 1989 forward, State-level data on wood and waste consumption by industrial combined heat and power (CHP) and electricity-only facilities are available from the EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms. These data are used with the manufacturing data to estimate total industrial sector wood and waste consumption for each State.

Industrial wood and waste consumption is expressed in Btu because its components are physically measured in a variety of units (e.g., tons, cubic feet, and kilowatthours). Industrial wood and waste data series are identified in SEDS by the following names ("ZZ" in the variable name represents the two-letter State code that differs for each State):

WDI3BZZ = wood consumed by CHP and electricity-only facilities in the industrial sector in each State, in billion Btu;
WDI4BZZ = wood consumed by the manufacturing portion of the industrial sector of each State, in billion Btu;
WSI3BZZ = waste consumed by CHP and electricity-only facilities in the industrial sector in each State, in billion Btu; and
WSI4BZZ = waste consumed by the manufacturing portion of the industrial sector of each State, in billion Btu.

The U.S. totals of the State series are calculated as the sum of the State data:

WDI3BUS = ΣWDI3BZZ
WDI4BUS = ΣWDI4BZZ
WSI3BUS = ΣWSI3BZZ
WSI4BUS = ΣWSI4BZZ

The U.S. total for wood consumed by the industrial sector is calculated as the sum of consumption by CHP and electricity-only facilities and the manufacturing sector, and the U.S. total is calculated as the sum of the State data:

WDICBZZ = WDI3BZZ + WDI4BZZ
WDICBUS = ΣWDICBZZ

The U.S. total for waste consumed by the industrial sector is calculated as the sum of consumption by CHP and electricity-only facilities and the manufacturing sector, and the U.S. total is calculated as the sum of the State data:

WSICBZZ = WSI3BZZ + WSI4BZZ
WSICBUS = ΣWSICBZZ

The total manufacturing sector is calculated as the sum of wood consumption and the sum of waste consumption, and the U.S. total is calculated as the sum of the State data:

WWI4BZZ = WDI4BZZ + WSI4BZZ
WWI4BUS = ΣWWI4BZZ

The total industrial sector is calculated as the sum of wood consumption and the sum of waste consumption, and the U.S. total is calculated as the sum of the State data:

WWICBZZ = WDICBZZ + WSICBZZ
WWICBUS = ΣWWICBZZ

### *Data Sources*

WDI3BZZ — Wood consumed by CHP and electricity-only facilities in the industrial sector by State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

WDI4BZZ — Wood consumed by the manufacturing sector by State.

- 1960 through 1979: EIA, *Estimates of U.S. Wood Energy Consumption from 1949 to 1981*, Table A10. Data published in thousand short tons are converted to Btu by using the factor of one short ton equals 17.2 million Btu (as published in the footnote of Table A10).
- 1980 forward: EIA estimates developed by using three data sources. U.S. totals for each year are as published for selected years in the EIA, *Annual Energy Review (AER)*, Table 10.2b.
  - 1980 through 1985: U.S. totals from the *AER* are allocated to Standard Industrial Classification (SIC) groups 20, 24, 25, and 26 based on data from the Form EIA-846, "Manufacturing Energy Consumption Survey 1985," Table 3, Columns "Major Byproducts" and "Other." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1982 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the four SIC groups are summed to derive State total wood and waste industrial consumption estimates.
  - 1986 through 1989: U.S. totals from the *AER* are allocated to SIC groups 20, 24, 25, and 26 based on data from the Form EIA-846, "Manufacturing Energy Consumption Survey 1988,"

Tables 2 and 18, columns "Pulping Liquor," "Roundwood," and "Wood Chips." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1987 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the four SIC groups are summed to derive State total industrial wood consumption estimates.

For 1989 only, State-level data on wood consumption by combined heat and power (CHP) and electricity-only facilities are available from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu. These CHP and electricity-only State data are summed and subtracted from the *AER* U.S. total. The remaining value is assumed to be the manufacturing sector and is allocated to the States using the method above. The State values for each of the four SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial wood consumption estimates.

— 1990 through 1993: State-level data on wood consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, and 26 based on unpublished data on pulping liquor, roundwood, and wood chips from the Form EIA-846, "Manufacturing Energy Consumption Survey 1991 (MECS)." SIC groups 20 and 26 are grouped as "Other" in MECS. The proportions of those two groups in the 1988 and 1994 MECS are averaged and used to estimate the breakout for 1991. These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1992 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2541 Wood Partitions and Fixtures, and Industry 2621 Paper Mills. The State values for each of the four SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial wood consumption estimates.

— 1994 and 1995: State-level data on wood consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, 26, and "Other" based on data from the Form EIA-846, "1994 Manufacturing Energy Consumption Survey," Table A7, columns "Pulping or Black Liquor," "Wood from Trees," and "Wood from Mills." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1992 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the five SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial wood consumption estimates.

— 1996 and 1997: State-level data on wood consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report," in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, 26, and "Other" based on data from the Form EIA-846, "1994 Manufacturing Energy Consumption Survey," Table A7, columns "Pulping or Black Liquor," "Wood from Trees," and "Wood from Mills." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1997 Economic Census.* In the *Economic Census* the SIC groupings for the State data are replaced by North American Industry Classification System (NAICS) industry groups. The two industry classification systems are not identical, but NAICS groups are chosen that compare with SIC categories as closely as possible. The State series are from Table 2, column titled "Value Added by Manufacturer," from the publications for NAICS Industry 311221 Wet Corn Milling (for SIC 20 Food), Industry 321113 Sawmills and Industry 3212 Engineered Wood Product Manufacturing (for SIC 24 Wood), Industry 3372 Office Furniture Manufacturing (for SIC 25 Furniture), Industry 322121 Paper Mills, and Industry 322130 Paperboard Mills (for SIC 26 Paper), and Industry 313 Textile Mills (for Other SIC). The State values

for each of the five NAICS group subtotals and the CHP and electricity-only facilities are summed to derive State total industrial wood consumption estimates.

— 1998 through 2005: State-level data on wood consumption by CHP and electricity-only facilities from the Form EIA-923, "Power Plant Operations Report" and predecessor forms, in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to NAICS industry groups 311, 321, 322, 337, and "Other" based on data from the Form EIA-846, "Manufacturing Energy Consumption Survey," 1998 (for 1998–2001), 2002 (for 2002–2005), and 2006 (for 2006 forward), table entitled "Selected Wood and Wood-Related Products in Fuel Consumption," columns "Pulping or Black Liquor," "Wood from Trees," and "Wood from Mills." These NAICS subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *Economic Census* for 1997 (1998–2000) and 2002 (2001 forward). The State series are from Table 2, column titled "Value Added by Manufacturer," from the publications for NAICS Industry 311221 Wet Corn Milling (for NAICS 311 Food), Industry 321113 Sawmills and Industry 3212 Engineered Wood Product Manufacturing (for NAICS 321 Wood products), Industry 3372 Office Furniture Manufacturing (for NAICS 337 Furniture), Industry 322121 Paper Mills, and Industry 322130 Paperboard Mills (for NAICS 322 Paper), and Industry 313 Textile Mills (for Other NAICS). The State values for each of the five NAICS group subtotals and the CHP and electricity-only facilities are summed to derive State total industrial wood consumption estimates.

— 2006 forward: NAICS subtotals are allocated to the States using the State-level series from the U.S. Department of Commerce, *2007 Economic Census*, *Manufacturing*, *Geographic Area Series*, column titled "Value of shipments" data for NAICS series 311221, 321113, 3212, 3372, 322121, 322130, and 313 shown in the data sets at http://factfinder.census.gov/servlet/SelectIndustryProductServlet?sector=15293431&subsector=NBSP&industry=15293915%3ANAICS2007&gss=y&gas=y&cat_chnge=n&selectionType=list&category=NAICS2007&selected_industry=15293915.

WSI3BZZ — Waste consumed by CHP and electricity-only facilities in the industrial sector by State.

- 1960 through 1988: No data available. Values are assumed to be zero.
- 1989 forward: EIA, Form EIA-923, "Power Plant Operations Report" and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

WSI4BZZ — Waste consumed by the manufacturing sector by State.

- 1960 through 1980: No data available. Values assumed to be zero.
- 1981 forward: EIA estimates developed by using three data sources. U.S. totals for each year are as published for selected years in the EIA, *Annual Energy Review (AER)*, Table 10.2b.
  - — 1981 through 1985: U.S. totals from the *AER* are allocated to Standard Industrial Classifications (SIC) groups 20, 24, 25, and 26 based on data from the EIA "Manufacturing Energy Consumption Survey 1985 (MECS)," Table 3, columns "Major By-products" and "Other." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1982 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the four SIC groups are summed to derive State total industrial waste consumption estimates.
  - — 1986 through 1989: U.S. totals from the *AER* are allocated to SIC groups 20, 24, 25, and 26 based on data from the Form EIA-846, "Manufacturing Energy Consumption Survey 1988," Tables 2 and 18, columns "Waste" and "Biomass." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1987 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the four SIC groups are summed to derive State total industrial waste consumption estimates.

For 1989 only, State-level data on waste consumption by CHP and electricity-only facilities are available from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu. These CHP and electricity-only State data are summed and subtracted from the *AER* U.S. total. The remaining value is assumed to be the manufacturing sector and is allocated to the States using the method above. The State values for each of the four SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial waste consumption estimates.

— 1990 through 1993: State-level data on waste consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, and 26 based on unpublished data on waste and biomass from the Form EIA-846, "Manufacturing Energy Consumption Survey 1991 (MECS)." SIC groups 20 and 26 are grouped as "Other" in MECS 1991. The proportions of those two groups in the 1988 and 1994 MECS are averaged and used to estimate the breakout for 1991. These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1992 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2541 Wood Partitions and Fixtures, and Industry 2621 Paper Mills. The State values for each of the four SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial waste consumption estimates.

— 1994 and 1995: State-level data on waste consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report" in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, 26, and "Other" based on data from the Form EIA-846, "1994 Manufacturing Energy Consumption Survey," Table A7, columns "Agricultural Waste" and "Wood and Paper Refuse." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1992 Census of Manufactures,* Table 2, column titled "Value Added by Manufacturer," from the publications for Industry 2061 Raw Cane Sugar, Industry 2046 Wet Corn Milling, Industry 2421 Sawmills and Planing Mills, Industry 2511 Wood Household Furniture, Industry 2621 Paper Mills, and Industry 2631 Paperboard Mills. The State values for each of the five SIC groups and the CHP and electricity-only facilities are summed to derive State total industrial waste consumption estimates.

— 1996 and 1997: State-level data on waste consumption by CHP and electricity-only facilities from the Form EIA-867, "Annual Nonutility Power Producer Report" or Form EIA-860, "Annual Electric Generator Report" in billion Btu are summed and subtracted from the *AER* U.S. total. The remaining national value is allocated to SIC groups 20, 24, 25, 26, and "Other" based on data from the Form EIA-846, "1994 Manufacturing Energy Consumption Survey," Table A7, columns "Agricultural Waste" and "Wood and Paper Refuse." These SIC subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *1997 Economic Census*. In the *Economic Census* the SIC groupings for the State data are replaced by North American Industry Classification System (NAICS) industry groups. The two industry classification systems are not identical, but NAICS groups are chosen that compare with SIC categories as closely as possible. The State series are from Table 2, column titled "Value Added by Manufacturer," from the publications for NAICS Industry 311311 Sugar Cane Mills, and Industry 311221 Wet Corn Milling (for SIC 20 Food), Industry 321912 Cut Stock, Resawing Lumber, and Planing (for SIC 24 Wood), Industry 3372 Office Furniture Manufacturing (for SIC 25 Furniture), Industry 322122 Newsprint Mills, and Industry 322130 Paperboard Mills (for SIC 26 Paper), and Industry 313 Textile Mills (for Other SIC). The State values for each of the five NAICS group subtotals and the CHP and electricity-only facilities are summed to derive State total industrial waste consumption estimates.

— 1998 forward: State-level data on waste consumption by CHP and electricity-only facilities from the Form EIA-923, "Power Plant Operations Report" and predecessor forms, in billion Btu are summed and subtracted from the AER U.S. total. The remaining national value is allocated to NAICS industry groups 311, 321, 337, and 322, and "Other" based on data from the Form EIA-846, "Manufacturing Energy Consumption Survey,"

1998 (for 1998–2001), 2002 (for 2002–2005), and 2006 (for 2006 forward), Table A7, columns "Agricultural Waste" and "Wood and Paper Refuse." These NAICS subtotals are allocated to the States using State-level series from the U.S. Department of Commerce, Bureau of the Census, *Economic Census* for 1997 (1998–2000) and 2002 (2001 forward). The State series are from Table 2, column titled "Value Added by Manufacturer," from the publications for NAICS Industry 311311 Sugar Cane Mills, and Industry 311221 Wet Corn Milling (for SIC 20 Food), Industry 321912 Cut Stock, Resawing Lumber, and Planing (for SIC 24 Wood), Industry 3372 Office Furniture Manufacturing (for SIC 25 Furniture), Industry 322122 Newsprint Mills, and Industry 322130 Paperboard Mills (for SIC 26 Paper), and Industry 313 Textile Mills (for Other SIC). The State values for each of the five NAICS group subtotals and the CHP and electricity-only facilities are summed to derive State total industrial waste consumption estimates.

— 2006 forward: NAICS subtotals are allocated to the States using the State-level series from the U.S. Department of Commerce, *2007 Economic Census*, *Manufacturing*, *Geographic Area Series*, column titled "Value of shipments" data for NAICS series 311311, 311221, 32191, 3372, 322122, 322130, and 313 shown in the data sets at http://factfinder.census.gov/servlet/SelectIndustryProductServlet?sector=15293431&subsector=NBSP&industry=15293915%3ANAICS2007&gss=y&gas=y&cat_chnge=n&selectionType=list&category=NAICS2007&selected_industry=15293915.

## Electric Power Sector

Electric power sector use of wood and waste to generate electricity is based on data series from EIA Form EIA-923, "Power Plant Operations Report," and predecessor forms and is estimated in SEDS using two methods. From 2001 forward, the Btu content of the wood and waste consumed by electric power plants is reported on the data collection forms and used in SEDS. Prior to 2001, Btu data were not collected by the source data forms and data on electricity generation from wood and waste are used instead. Net generation of electricity is converted to equivalent Btu using the fossil-fueled steam-electric plant conversion factor, and the resulting Btu values are entered into SEDS. Rarely, power plants can use more electricity than they generate from wood and waste energy sources and a negative net generation (and, therefore, Btu consumption) value can be seen in SEDS. From 1960 through 1981, electricity generation from wood and waste are reported combined and from 1982 forward generation or Btu values from each source are reported separately.

The data series are identified in SEDS by the following names ("ZZ" in the variable name represents the two-letter State code that differs for each State):

WDEIBZZ = wood consumed by the electric power sector in each State (included in waste energy for 1960 through 1981), in million Btu; and

WSEIBZZ = waste consumed by the electric power sector in each State (includes wood energy for 1960 through 1981), in million Btu.

The U.S. totals are calculated as the sum of the State data, and wood and waste are summed to provide a total (WW) value:

$$WDEIBUS = \Sigma WDEIBZZ$$
$$WSEIBUS = \Sigma WSEIBZZ$$

$$WWEIBZZ = WDEIBZZ + WSEIBZZ$$
$$WWEIBUS = \Sigma WWEIBZZ$$

### *Data Sources*

WDEIBZZ — Wood consumed by the electric power sector by State.

- 1960 through 1981: Data included in waste energy sources, see WSEIBZZ.
- 1982 through 2000: EIA, Form EIA-759, "Monthly Power Plant Report," electricity generation from wood converted to Btu using the fossil-fueled steam-electric power plant conversion factor shown in Table B1 (http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm).
- 2001 forward: EIA Form EIA-923, "Power Plant Operations Report" and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

WSEIBZZ — Waste consumed by the electric power sector by State.

- 1960 through 2000: EIA, Form EIA-759, "Monthly Power Plant Report" and predecessor forms, electricity generation from waste (includes wood energy sources from 1960 through 1981) converted to Btu using the fossil-fueled steam-electric power plant conversion factor shown in Table B1 (http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm).
- 2001 forward: EIA, Form EIA-923, "Power Plant Operations Report" and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

### Totals

State total consumption of wood and waste is calculated as the sum of the consumption in the residential, commercial, and industrial sectors as well as consumption by the electric power sector. The U.S. total is the sum of the State data:

WDTCBZZ = WDRCBZZ + WDCCBZZ + WDICBZZ + WDEIBZZ
WDTCBUS = ΣWDTCBZZ

WSTCBZZ = WSCCBZZ + WSICBZZ + WSEIBZZ
WSTCBUS = ΣWSTCBZZ

WWTCBZZ = WDTCBZZ + WSTCBZZ
WWTCBUS = ΣWWTCBZZ

## Additional Calculations

Additional calculations are made in SEDS to aggregate some data series to be shown in the tables of this report. Wood and biomass waste, fuel ethanol, and losses and co-products generated during the production of fuel ethanol were combined to be shown under "biomass" in the summary tables titled "Energy Consumption Estimates by Source" as follows:

BMTCB = WWTCB + EMTCB + EMLCB

## Renewable Energy Total

Renewable energy subtotals for each consuming sector in billion Btu are calculated for each State and the U.S. totals. In addition, the industrial sector includes energy losses and co-products from the production of fuel ethanol (EMLCB).

RERCB = GERCB + SOHCB + WDRCB
RECCB = EMCCB + GECCB +HYCCB + WWCCB
REICB = EMICB + EMLCB + GEICB + HYICB + WWICB
REACB = EMACB

REEIB = GEEGB + HYEGB + SOEGB + WWEIB + WYEGB

RETCB = RERCB + RECCB + REICB + REACB + REEIB

In the calculations of all aggregated series, data for any component series that are not available in the earlier years are assumed to be zero.

# Section 6. Electricity

This section describes electrical energy sources; electricity consumed by end users (i.e., electricity sold to end users); estimates of the electrical system energy losses incurred in the generation, transmission, and distribution of electricity; and estimates of net interstate sales of electricity.

## Electrical Energy Sources

### *Physical Units*

Electricity is produced from a number of energy sources. In the State Energy Data System (SEDS), coal, natural gas, and petroleum are measured in physical units of thousand short tons, million cubic feet, and thousand barrels, respectively, as they are consumed by the electric power sector. Since wood and waste are measured in a variety of physical units, they are converted to the equivalent heat content and entered into SEDS measured in British thermal units. Because comparable measures in physical units for nuclear power, hydroelectric, wood, waste, geothermal, wind, photovoltaic, and solar thermal energy sources are not available, energy output in the form of electricity produced from these energy sources, in million kilowatthours, is used instead. The variable names for these data are as follows ("ZZ" in the variable name represents the two-letter State code that differs for each State):

CLEIPZZ = coal consumed by the electric power sector (described in Section 2 of this report), in thousand short tons;
ELEXPZZ = electricity exported from the United States, in million kilowatthours;
ELIMPZZ = electricity imported into the United States, in million kilowatthours;
GEEGPZZ = electricity produced from geothermal energy by the electric power sector (described in Section 5), in million kilowatthours;
HYEGPZZ = electricity produced from hydroelectric power in the electric power sector (described in Section 5), in million kilowatthours;
NGEIPZZ = natural gas consumed by the electric power sector (described in Section 3), in million cubic feet;
NUEGPZZ = electricity produced from nuclear power in the electric power sector, in million kilowatthours;
PAEIPZZ = petroleum consumed by the electric power sector (described in Section 4), in thousand barrels;
SOEGPZZ = electricity produced from photovoltaic and solar thermal energy sources in the electric power sector (described in Section 5), in million kilwatthours;
WDEIBZZ = wood energy sources consumed by the electric power sector (described in Section 5), in billion Btu;
WSEIBZZ = waste energy sources consumed by the electric power sector (described in Section 5), in billion Btu; and
WYEGPZZ = electricity produced from wind energy by the electric power sector (described in Section 5), in million kilowatthours.

The U.S. totals for these series are calculated as the sum of the State data.

### *British Thermal Units (Btu)*

In order to total all the energy that is used to produce electricity, the energy sources are converted to the common unit of Btu. The methods for calculating the Btu content of coal, natural gas, petroleum, and renewable energy sources consumed for generating electric power are explained in their respective sections of this documentation. Nuclear electric power is described in the following section.

Total energy consumed by the electric power sector is the sum of all primary energy used to generate electricity, including net imports of electricity across U.S. borders (ELNIBZZ, see page 105). To eliminate the double counting of supplemental gaseous fuels, which are accounted for in the fossil fuels from which they are derived, and in natural gas, they are removed from the total:

TEEIBZZ = CLEIBZZ + NGEIBZZ + PAEIBZZ + NUEGBZZ + GEEGBZZ + HYEGBZZ + SOEGBZZ + WWEIBZZ + WYEGBZZ + ELNIBZZ - SFEIBZZ
TEEIBUS = ΣTEEIBZZ

## Nuclear Electric Power

Electricity generated from nuclear power, in million kilowatthours, by both regulated electric utilities and nonutility power producers are included in the State Energy Data System (SEDS) electric power sector. In the following formulas, "ZZ" in the variable name represents the two-letter State code that differs for each State:

NUEGPZZ = electricity produced from nuclear power in the electric power sector, in million kilowatthours.

The U.S. total is calculated as the sum of the State data:

NUEGPUS = ΣNUEGPZZ

Nuclear power used for generating electricity is the total nuclear energy, NUETP, included in EIA consumption data:

NUETPZZ = NUEGPZZ
NUETPUS = NUEGPUS

The factor for converting electricity produced from nuclear energy (NUETKUS) is developed from data collected from nuclear steam-electric power plants. These U.S. average factors, which vary from year to year, can be found in Appendix B, Table B1, http://www.eia.gov/state/seds/seds-technical-notes-complete.cfm.

NUETKUS = factor for converting nuclear electricity from kilowatthours to Btu.

The formulas for applying the nuclear factor are:

NUEGBZZ = NUEGPZZ * NUETKUS
NUEGBUS = ΣNUEGBZZ

NUETBZZ = NUEGBZZ
NUETBUS = NUEGBUS

### *Data Sources*

NUEGPZZ — Electricity produced from nuclear power in the electric power sector by State.

- 1960 through 1977: Federal Power Commission, News Release, "Power Production, Fuel Consumption, and Installed Capacity Data," table titled "Net Generation of Electric Utilities by State and Source."
- 1978 through 1980: U.S. Energy Information Administration (EIA), *Energy Data Reports*, "Power Production, Fuel Consumption and Installed Capacity Data," table titled "Net Generation of Electric Utilities by State and Source" (1978) and Table 36 (1979 and 1980).
- 1981 through 1985: EIA, Form EIA-759, "Monthly Power Plant Report," and predecessor forms. Data are published in the EIA, *Electric Power Annual 1985*, Table 6.
- 1986 forward: EIA, Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

NUETKUS — Factor for converting electricity produced from nuclear power from physical units to Btu.

- 1960 through 1984: Calculated annually by the EIA by dividing the total heat content consumed in reactors at nuclear plants by the total (net) electricity generated by nuclear plants. The heat content and electricity generation are reported on FERC Form 1, "Annual Report of Major Electric Utilities, Licensees, and Others" and Form EIA-412, "Annual Report of Public Electric Utilities," and predecessor forms. The factors for 1982 through 1984 are published in the following:

— 1982: EIA, *Historical Plant Cost and Annual Production Expenses for Selected Electric Plants 1982*, page 215.
— 1983 and 1984: EIA, *Electric Plant Cost and Power Production Expenses 1991*, Table 13.

- 1985 forward: Calculated annually by EIA using the heat rate reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms), and the generation reported on Form EIA-923, "Power Plant Operations Report" (and predecessor forms).

## Electricity Imports and Exports

Electricity transmitted across U.S. borders with Canada and Mexico are included in the State Energy Data System (SEDS) electric power sector.

ELEXPZZ = electricity exported from the United States by State, in million kilowatthours;
ELIMPZZ = electricity imported into the United States by State, in million kilowatthours;

U.S. totals are calculated as the sum of the State data:

ELIMPUS = ΣELIMPZZ
ELEXPUS = ΣELEXPZZ

Net imports are derived by subtracting exports of electricity from imports:

ELNIPZZ = ELIMPZZ – ELEXPZZ
ELNIPUS = ΣELNIPZZ

Imports and exports of electricity in million kilowatthours are converted to billion Btu by multiplying the physical unit data by the conversion factor of 3.412 thousand Btu per kilowatthour.

ELIMBZZ = ELIMPZZ * 3.412
ELIMBUS = ΣELIMBZZ
ELEXBZZ = ELEXPZZ * 3.412
ELEXBUS = ΣELEXBZZ

ELNIBZZ = ELIMBZZ – ELEXBZZ
ELNIBUS = ΣELNIBZZ

### Data Sources

ELEXPZZ — Electricity exported from the United States (assumed to be produced by hydroelectric power through 1988) by State.

- 1960 through 1981: Economic Regulatory Administration, *Staff Reports*, "Report on Electric Energy Exchanges with Canada and Mexico." Source data are arranged by the Regional Reliability Council Areas and then by the electric utility. State data were tabulated by aggregating the data of all electric utilities within each State.
- 1982 and 1983: U.S. Energy Information Administration (EIA) State estimates are based on data from Economic Regulatory Administration Form ERA-781R, "Annual Report of Electrical Export/Import Data." State estimates are consistent with national and regional totals published in the ERA, *Electricity Exchanges Across International Borders*.
- 1984 through 1987: EIA State estimates are based on data from Economic Regulatory Administration Form ERA-781R, "Annual Report of Electrical Export/Import Data," the Federal Energy Regulatory Commission Form 1, and the Bonneville Power Administration Annual Report. State estimates are consistent with national and regional totals published in the ERA, *Electricity Transactions Across International Borders*.
- 1988 forward: EIA State estimates are based on data from DOE, Office of Electricity Delivery and Energy Reliability, OE-781R, "Annual Report of International Electric Export/Import Data," and predecessor forms, and the Canada National Energy Board report, "Electricity Exports and Imports, Monthly Statistics for December...."

ELIMPZZ — Electricity imported into the United States (assumed to be produced by hydroelectric power through 1988) by State.

- 1960 through 1981: Economic Regulatory Administration, *Staff Reports*, "Report on Electric Energy Exchanges with Canada and Mexico." Source data are arranged by the Regional Reliability Council Areas and then by the electric utility. State data were tabulated by aggregating the data of all electric utilities within each State.

- 1982 and 1983: EIA State estimates are based on data from Economic Regulatory Administration Form ERA-781R, "Annual Report of Electrical Export/Import Data." State estimates are consistent with national and regional totals published in the ERA, *Electricity Exchanges Across International Borders*.
- 1984 through 1987: EIA State estimates are based on data from Economic Regulatory Administration Form ERA-781R, "Annual Report of Electrical Export/Import Data," the Federal Energy Regulatory Commission Form 1, and the Bonneville Power Administration Annual Report. State estimates are consistent with national and regional totals published in the ERA, *Electricity Transactions Across International Borders*.
- 1988 forward: EIA State estimates are based on data from DOE, Office of Electricity Delivery and Energy Reliability, OE-781R, "Annual Report of International Electric Export/Import Data," and predecessor forms, and the Canada National Energy Board report, "Electricity Exports and Imports, Monthly Statistics for December...."

## Electricity Consumed by the End User

### *Physical Units*

The amount of electricity sold to end users is considered to be the amount of electricity consumed by the end-use sectors. Six electricity sales data series, in physical units of million kilowatthours, are used to estimate consumption of electricity by end-use sector. The variable names for these data are as follows ("ZZ" in the variable name represents the two-letter State code that differs for each State):

ESRCPZZ = electricity sold to the residential sector;
ESCMPZZ = electricity sold to the commercial sector (excluding electricity sold to "Other" users);
ESICPZZ = electricity sold to the industrial sector;
ESACPZZ = electricity sold to the transportation sector (2003 forward);
ESOTPZZ = electricity sold to "Other" users (i.e., public street and highway lighting, other public authorities, railroads and railways, and interdepartmental sales) (1960 through 2002); and
ESTRPZZ = electricity consumed by transit systems (1960 through 2002).

U.S. totals for the six State-level series are calculated as the sum of the State data.

Sales of electricity to the residential and industrial sectors contained in the U.S. Energy Information Administration (EIA) *Electric Sales and Revenues* database are used directly as consumption of electricity by these sectors.

Beginning in 2003, sales of electricity to the commercial sector contained in the *Electric Sales and Revenues* database are used directly as consumption of electricity by this sector. Prior to 2003, commercial electricity consumption is estimated as the sum of sales to the commercial sector and the portion of sales to the "Other" sector that is not used for transportation:

ESCCPZZ = ESCMPZZ + ESOTPZZ – ESTRPZZ
ESCCPUS = ΣESCCPZZ

From 2003 forward, transportation electricity sales data are taken directly from the *Electric Sales and Revenues* database. From 1960 through 2002, consumption of electricity for transportation, ESACPZZ, is equal to the electricity consumed by transit systems, ESTRPZZ, from the U.S. Department of Transportation, Federal Transit Administration.

Total electricity consumed is represented by ESTCPZZ and is calculated by adding the four end-use sector estimates:

ESTCPZZ = ESRCPZZ + ESCCPZZ + ESICPZZ + ESACPZZ
ESTCPUS = ΣESTCPZZ

### *British Thermal Units (Btu)*

Electricity consumption estimates are converted into Btu by applying a constant factor of 3.412 thousand Btu per kilowatthour as illustrated in the formulas:

ESRCBZZ = ESRCPZZ * 3.412
ESTCBZZ = ESTCPZZ * 3.412

U.S. totals for the Btu series are calculated as the sum of the State data.

### Additional Calculations

Beginning in 2003, electricity sold for transportation use is available from the EIA *Electric Sales and Revenues* database. For years prior to 2003, additional calculations are performed in the State Energy Data System (SEDS) to provide data for the EIA *Monthly Energy Review* and *Annual Energy Review* to use in estimating transportation electricity use. The share of electricity sold to the "Other" category of consumers that is used for transportation is calculated:

ESTRSUS = ESTRPUS / ESOTPUS

### Additional Notes on Electricity Sales

1. Beginning in 2003, the source for electricity consumed by the transportation sector is the EIA Form EIA-861, "Annual Electric Power Industry Report." This is the first year that electricity sales data are collected separately for the transportation sector (previously these volumes were included in Commercial and "Other"). In 2003, information from the National Transit Data (NTD) System is used to supplement the EIA data for three States with missing or incomplete volumes: Missouri, Ohio, and Tennessee.

2. The source for the electricity sales data for 1960 through 1983 is the EIA Form EIA-826, "Electric Utility Company Monthly Statement," and predecessor forms. Electricity sales data for 1984 forward are from Form EIA-861, "Annual Electric Utility Report." At the national level, data from both forms correspond closely (within 3 percent) for all end-use sectors. However, differences in the number of survey respondents and the reporting of commercial and industrial sales caused inconsistencies between 1983 and 1984 data in those end-use sectors for some States. See EIA *Electric Power Annual, 1991,* DOE/EIA-0348(91), p. 130, and *An Assessment of the Quality of Selected EIA Data Series, Electric Power Data*, DOE/EIA-0292(87), pp. 17–28, for detailed discussions of the reporting differences.

3. For 1960 through 1983, electricity sales data for the District of Columbia and Maryland are combined on the survey forms. Estimates of separate sales for the District of Columbia and Maryland were created by using electricity sales data by end-use sector by communities from the FERC Form 1, "Annual Report of Major Electric Utilities, Licensees, and Others," filed by the Potomac Electric Power Company (PEPCO). PEPCO sales to the District of Columbia were assumed to be total electricity sales in the District of Columbia. Electricity sales to the District of Columbia reported by PEPCO on the FERC Form 1 were subtracted from the EIA-826 District of Columbia and Maryland aggregate figures to obtain estimates of Maryland electricity sales by sector. Beginning with 1981 data, electric utilities were no longer required to report sales to specific communities. Sales data for the District of Columbia for 1981 through 1983 were obtained directly from PEPCO's accounting department.

### Data Sources

ESACPZZ — Electricity consumed by the transportation sector by State.

- 1960 through 2002: Equal to ESTRPZZ.
- 2003 forward: EIA, "Historical EPA Electric Sales and Revenue Spreadsheets", http://www.eia.gov/cneaf/electricity/epa/sales_state.xls, sector name "Total Electric Industry", column "Transportation Sales." Data from the U.S. Department of Transportation, National Transit Database, http://www.ntdprogram.gov/ntdprogram/data.htm, (click on "Data Tables") are used for the following States: Missouri, Ohio, and Tennessee. See Additional Note 1 on page 107.

ESCMPZZ — Electricity sold to the commercial sector by State.

Note: Data for Maryland and the District of Columbia were combined for 1960 through 1983. The method for disaggregating the data is explained in Additional Note 3 on page 107.

- 1960 through 1975: Federal Power Commission, *Electric Power Statistics*, "Sales of Electric Energy to Ultimate Consumers."
- 1976 through 1980: EIA, *Electric Power Annual* (November 1982), Table 125.
- 1981 through 1983: EIA, Form EIA-826, "Electric Utility Company Monthly Statement," and predecessor forms. Published data rounded to gigawatthours in EIA, *Electric Power Annual 1983*, Table 51.
- 1984 through 1986: EIA, Form EIA-861, "Annual Electric Utility Report." Unpublished data.
- 1987: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual 1988,* Table 19.

- 1988 and 1989: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual,* Table 27.
- 1990 forward: EIA, "Historical EPA Electric Sales and Revenue Spreadsheets," http://www.eia.gov/cneaf/electricity/epa/sales_state.xls, sector name "Total Electric Industry," column "Commercial Sales."

ESICPZZ — Electricity sold to (consumed by) the industrial sector by State.

Note: Data for Maryland and the District of Columbia were combined for 1960 through 1983. The method for disaggregating the data is explained in Additional Note 3 on page 107.

- 1960 through 1975: Federal Power Commission, Electric Power Statistics, "Sales of Electric Energy to Ultimate Consumers."
- 1976 through 1980: EIA, *Electric Power Annual* (November 1982), Table 126.
- 1981 through 1983: EIA, Form EIA-826, "Electric Utility Company Monthly Statement," and predecessor forms. Published data rounded to gigawatthours in EIA, *Electric Power Annual 1983*, Table 51.
- 1984 through 1986: EIA, Form EIA-861, "Annual Electric Utility Report." Unpublished data.
- 1987: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual 1988*, Table 19.
- 1988 and 1989: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual,* Table 27.
- 1990 forward: EIA, "Historical EPA Electric Sales and Revenue Spreadsheets," http://www.eia.gov/cneaf/electricity/epa/sales_state.xls, sector name "Total Electric Industry," column "Industrial Sales."

ESOTPZZ — Electricity sold to the "Other" sector (i.e., public street and highway lighting, sales to other public authorities, railroads and railways, and interdepartmental sales) by State.

Note: Data for Maryland and the District of Columbia were combined for 1960 through 1983. The method for disaggregating the data is explained in Additional Note 3 on page 107.

- 1960 through 1975: Federal Power Commission, *Electric Power Statistics*, "Sales of Electric Energy to Ultimate Consumers."
- 1976 through 1980: EIA, *Electric Power Annual* (November 1982), Table 127.
- 1981 through 1983: EIA, Form EIA-826, "Electric Utility Company Monthly Statement," and predecessor forms. Published data rounded to gigawatthours in EIA, *Electric Power Annual 1983*, Table 51.
- 1984 through 1986: EIA, Form EIA-861, "Annual Electric Utility Report." Unpublished data.
- 1987: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual 1988*, Table 19.
- 1988 and 1989: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual,* Table 27.
- 1990 through 2002: EIA, "Historical EPA Electric Sales and Revenue Spreadsheets," http://www.eia.gov/cneaf/electricity/epa/sales_state.xls, sector name "Total Electric Industry," column "Other Sales."
- 2003 forward: Series discontinued. Values are zero.

ESRCPZZ — Electricity sold to (consumed by) the residential sector by State.

Note: Data for Maryland and the District of Columbia were combined for 1960 through 1983. The method for disaggregating the data is explained in Additional Note 3 on page 107.

- 1960 through 1975: Federal Power Commission, *Electric Power Statistics*, "Sales of Electric Energy to Ultimate Consumers."
- 1976 through 1980: EIA, *Electric Power Annual* (November 1982), Table 124.
- 1981 through 1983: EIA, Form EIA-826, "Electric Utility Company Monthly Statement," and predecessor forms. Published data rounded to gigawatthours in EIA, *Electric Power Annual 1983*, Table 51.
- 1984 through 1986: EIA, Form EIA-861, "Annual Electric Utility Report." Unpublished data.
- 1987: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual 1988*, Table 19.
- 1988 and 1989: EIA, Form EIA-861, "Annual Electric Utility Report." Published in the EIA, *Electric Power Annual,* Table 27.
- 1990 forward: EIA, "Historical EPA Electric Sales and Revenue Spreadsheets," http://www.eia.gov/cneaf/electricity/epa/sales_state.xls, sector name "Total Electric Industry," column "Residential Sales."

ESTRPZZ — Electricity consumed by transit systems by State.

Notes: The transit system data include electricity used to operate commuter rail, rapid rail, streetcars or light rail, cable cars, trolley-buses,

motorbuses, automated guideways, inclined plane railways, and aerial tramways. These data do not include electricity used by Amtrak. These data are available on a fiscal year basis (July 1 through June 30) for 1979 through 1982 and for calendar years 1983 forward. Some data for 1979 through 1983 were adjusted by EIA on the basis of an analysis of historical trends. Electricity consumption for the District of Columbia for 1976 through 2002 is partially apportioned to Maryland and Virginia on the basis of electricity consumption data from the Washington Metropolitan Area Transit Authority.

- 1960 through 1978: EIA estimates are based on data from:
  - The American Public Transit Association (formerly the American Transit Association) annual operating reports.
  - Pushkarev, Boris S. and others, *Urban Rail in America*. (Bloomington, IN: Indiana University Press, 1982.)
  - U.S. Department of Transportation, *A Directory of Regularly Scheduled, Fixed Route, Local Public Transportation Service in Urbanized Areas Over 50,000 Population*, 1980 and 1981.
- 1979 through 1989: U.S. Department of Transportation, Urban Mass Transportation Administration, *National Urban Mass Transportation Statistics, Section 15 Annual Report*, table titled "Energy Consumption: Details by Transit System."
  - 1979 and 1980: Table 2.13.1.
  - 1981 and 1982: Table 3.13.1.
  - 1983 through 1989: Table 3.12.
- 1990 through 2002: U.S. Department of Transportation, Federal Transit Administration, *Data Tables for the Section 15 Report Year*, http://www.ntdprogram.gov/ntdprogram, (click on "Access NTD Data" and then "Data Tables."):
  - 1990: Table 2.12.
  - 1991: Table 13.
  - 1992 through 1997: Table 15.
  - 1998: Table 16.
  - 1999 through 2002: Table 17.
- 2003 forward: Series replaced by ESACPZZ. Values are zero.

# Estimates of Electrical System Energy Losses

### *British Thermal Units (Btu)*

Electrical system energy losses, identified by "LO," include all losses incurred in the generation, transmission, and distribution of electricity, including plant use and unaccounted for quantities. Total losses for the United States, LOTCBUS, is assumed to be the difference between the total of all energy consumed by the electric power sector (TEEIBUS) and the total electricity sold to end users (ESTCBUS). Total losses for the United States is calculated in billion Btu as follows:

LOTCBUS = TEEIBUS – ESTCBUS

Because Alaska and Hawaii have no exchanges of electricity with other States, their electrical system energy losses are estimated as the difference between the sum of all energy consumed by the State's electric power sector and the electricity sold within the State:

LOTCBAK = TEEIBAK – ESTCBAK
LOTCBHI = TEEIBHI – ESTCBHI

Individual State electrical system energy losses for the remaining States are estimated by a different method. The difference between each of the contiguous 48 States' (including the District of Columbia) TEEIB series and ESTCB is not only the losses but also any net interstate flow of electricity that may occur between States. In some cases these net interstate flows are substantial. Therefore, an effort is made to estimate separately each State's losses and net interstate flow. The methodology is to calculate the contiguous-48-State subtotal of losses and subtotal of sales; to create annual losses-to-sales ratios for the aggregate of the 48 States; and to apply the annual losses-to-sales ratios from the total 48 States to the individual 48 States' sales to estimate their losses.

The following steps are performed to complete the losses estimates. A subtotal of losses in the contiguous 48 States, LOTCB48, is created by subtracting the Alaska and Hawaii losses from the total United States' losses:

LOTCB48 = LOTCBUS – (LOTCBAK + LOTCBHI)

A similar subtotal of electricity sales in the 48 States only, ESTCB48, is calculated:

ESTCB48 = ESTCBUS – (ESTCBAK + ESTCBHI)

The losses-to-sales ratio for the contiguous 48 States only, ELLSS48, is calculated:

ELLSS48 = LOTCB48 / ESTCB48

Over the period covered in the State Energy Data System (SEDS), the ratio is fairly constant, with a slight downward trend. For 1960, the losses-to-sales ratio is 2.5; for 1961 through 1983 the ratio is around 2.4; for 1984 through the 1990s it fluctuates between 2.2 and 2.3; and for recent years the losses-to-sales ratio gradually move downward from 2.27 in 2000 to 2.15 in 2008.

The U.S. ratios are applied to each State's sales to the major end-use sectors and total sales (temporarily including Alaska, Hawaii, and the 48-State subtotal for processing convenience):

LORCBZZ = ESRCBZZ * ELLSS48
LOCCBZZ = ESCCBZZ * ELLSS48
LOICBZZ = ESICBZZ * ELLSS48
LOACBZZ = ESACBZZ * ELLSS48
LOTCBZZ = ESTCBZZ * ELLSS48

Alaska, Hawaii, and the contiguous 48-State subtotal are recalculated to their original estimates. The end-use losses for Alaska and Hawaii are created in proportion to each sector's share of the State's total electricity sales:

LOTCBAK = TEEIBAK – ESTCBAK
LOTCBHI = TEEIBHI – ESTCBHI
LOTCB48 = LOTCBUS – (LOTCBAK + LOTCBHI)

LORCBAK(HI) = (ESRCBAK(HI) / ESTCBAK(HI)) * LOTCBAK(HI)
LOCCBAK(HI) = (ESCCBAK(HI) / ESTCBAK(HI)) * LOTCBAK(HI)
LOICBAK(HI) = (ESICBAK(HI) / ESTCBAK(HI)) * LOTCBAK(HI)
LOACBAK(HI) = (ESACBAK(HI) / ESTCBAK(HI)) * LOTCBAK(HI)

Losses for the United States, including Alaska and Hawaii, are the sums of all the States' losses.

## Net Interstate Flow of Electricity

### *British Thermal Units (Btu)*

An estimate of the net interstate flow of electricity is calculated as the difference between the total electricity sales and attributed losses and the total energy consumption by the electric power sector within each State. The estimated net interstate flow of electricity (ELISB) for each State and the United States is calculated:

ELISBZZ = (ESTCBZZ + LOTCBZZ) – TEEIBZZ
ELISBUS = ΣELISBZZ

Positive net interstate flow for a State means that the amount consumed within the State (including attributed losses) is greater than the amount of energy consumed by the electric power sector in the State. That is, the State is using more electricity than it generates and, therefore, is a net buyer from other States.

A negative number indicates that the State's consumption by the electric power sector is greater than the requirements for electricity within its own borders, and, therefore, it is a net seller of electricity to other States.

# Section 7. Total Energy

The preceding sections of this documentation describe how EIA arrives at State end-use consumption estimates by individual energy source in the State Energy Data System (SEDS). This section describes how all energy sources are added in Btu to create total energy consumption and end-use consumption estimates.

## Total Energy Consumption

Total energy consumption by State is defined in SEDS as the sum of all energy sources consumed. The total includes all primary energy sources used directly by the energy-consuming sectors (residential, commercial, industrial, transportation, and electric power), as well as net interstate sales of electricity (ELISB) and net imports of electricity (ELNIB).

Energy sources can be categorized as renewable and non-renewable sources:

*Non-Renewable Sources*

Fossil fuels:

- coal (CL)
- net imports of coal coke (U.S. only)
- natural gas excluding supplemental gaseous fuels (NN)
- petroleum products excluding fuel ethanol blended into motor gasoline (PM)

Nuclear electric power (NU)

*Renewable Sources*

- fuel ethanol minus denaturant (EM)
- geothermal direct use energy and geothermal heat pumps (GE)
- conventional hydroelectric power (HY)
- solar thermal direct use energy, and photovoltaic electricity net generation (SO)
- electricity produced by wind (WY)
- wood and wood-derived fuels (WD)
- biomass waste (WS)

Total consumption of fossil fuels in billion Btu are calculated for each State and the United States as follows:

FFTCBZZ = CLTCBZZ + NNTCBZZ + PMTCBZZ
FFTCBUS = CLTCBUS + CCNIBUS + NNTCBUS + PMTCBUS

The definition and calculation of the total consumption of each fossil fuel energy source is explained in Sections 2 through 4. Renewable energy total consumption (RETCB) is described in Section 5, and nuclear electric power (NUETB) is described in Section 6.

Total energy consumption in billion Btu for each State and the United States is calculated as follows:

TETCBZZ = FFTCBZZ + NUETBZZ + RETCBZZ + ELNIBZZ + ELISBZZ

TETCBUS = FFTCBUS + NUETBUS + RETCBUS + ELNIBUS

## Total Energy Consumption by End Use

Total energy consumption for each of the four end-use sectors (residential, commercial, industrial, and transportation) is the sum of all energy sources consumed by the sector. Each sector total includes retail sales of electricity, which is produced from other primary energy sources, and electrical system energy losses, which are allocated to the end-use sectors based on electricity sales.

Energy sources are presented as they are consumed; that is, natural gas includes supplemental gaseous fuels that are commingled with the natural gas, and petroleum products include fuel ethanol that is blended into motor gasoline.

In general, total energy consumed by the four end-use sectors by State and for the United States as a whole include the following:

- coal (CL)
- natural gas (NG), which includes supplemental gaseous fuels
- all petroleum products (PA), which include fuel ethanol blended into motor gasoline
- geothermal direct use energy and geothermal heat pumps (GE)
- conventional hydroelectric power (HY)
- solar thermal direct use energy and photovoltaic electricity net generation (SO)
- wood (WD)
- biomass waste (WS)
- electricity sales (ES)
- electrical system energy losses (LO)

Prior to 1993, motor gasoline data from the source do not include fuel ethanol, so fuel ethanol is added to the total consumption calculation from 1960 through 1992. (Fuel ethanol data before 1981 are not available and are assumed to be zero.)

To prevent double counting of supplemental gaseous fuels (SF), which are accounted for as part of the fossil fuels from which they are derived, and also as part of natural gas, supplemental gaseous fuels are removed from total energy for the residential, commercial, industrial, and electric power sectors.

Specific details for each of the end-use sectors are described below.

## Residential Sector

Solar thermal direct use energy and photovoltaic electricity net generation for the residential and commercial sectors combined (SOHCB) are included only in the residential sector because the individual sector use cannot be identified:

TERCB = CLRCB + NGRCB + PARCB + GERCB + SOHCB + WDRCB + ESRCB + LORCB - SFRCB

## Commercial Sector

From 1960 through 1992:

TECCB = CLCCB + NGCCB + PACCB + EMCCB + GECCB + HYCCB + WDCCB + WSCCB + ESCCB + LOCCB - SFCCB

From 1993 forward:

TECCB = CLCCB + NGCCB + PACCB + ESCCB+ GECCB + HYCCB + WDCCB + WSCCB + LOCCB - SFCCB

## Industrial Sector

The industrial sector includes energy losses and co-products from the production of fuel ethanol (EMLCB). It includes net imports of coal coke (CCNIBUS) in the U.S. total but not in the individual State estimates because no reliable means of allocating the U.S. amount to the States has been developed.

From 1960 through 1992:

TEICBUS = CLICBUS + CCNIBUS + NGICBUS + PAICBUS + EMICBUS + EMLCBUS + GEICBUS + HYICBUS + WDICBUS + WSICBUS + ESICBUS + LOICBUS - SFINBUS

TEICBZZ = CLICBZZ + NGICBZZ + PAICBZZ + EMICBZZ + EMLCBZZ + GEICBZZ + HYICBZZ + WDICBZZ + WSICBZZ + ESICBZZ + LOICBZZ - SFINBZZ

From 1993 forward:

TEICBUS =

CLICBUS + CCNIBUS + NGICBUS + PAICBUS + EMLCBUS + GEICBUS + HYICBUS + WDICBUS + WSICBUS + ESICBUS + LOICBUS - SFINBUS

TEICBZZ = CLICBZZ + NGICBZZ + PAICBZZ + EMLCBZZ + GEICBZZ + HYICBZZ + WDICBZZ + WSICBZZ + ESICBZZ + LOCIBZZ - SFINBZZ

### Transportation Sector

From 1960 through 1992:

TEACB = CLACB + NGACB + PAACB + EMACB + ESACB + LOACB

From 1993 forward:

TEACB = CLACB + NGACB + PAACB + ESACB + LOACB

## Total End-Use Energy Consumption

Total end-use energy consumption is the sum of the four end-use sectors' energy consumption. This series is represented by "TX."

TETXB = TEACB + TECCB + TEICB + TERCB

Mathematically, total end-use energy consumption (TETXB) equals total primary energy consumption (TETCB). Conceptually, the difference between the two variables is the way in which the electric power sector is incorporated. TETXB is calculated by summing: (1) the direct consumption of primary energy sources by end-use sector; (2) total retail electricity sales to end-use sectors; and (3) the losses incurred through the generation, transmission, and distribution of electricity, which are allocated to the four end-use sectors. TETCB, on the other hand, is calculated by summing the overall consumption of each primary energy source, which includes both direct end-use consumption and consumption by the electric power sector for electricity. The slight discrepancies between TETXB and TETCB are caused by independent rounding of the components.

## Total Net Energy

A set of totals is calculated to estimate consumption in the four major end-use sectors excluding each sector's share of all electrical system energy losses that are incurred in the generation, transmission, and distribution of electricity. This series is total net energy consumed and is represented by "TN."

Total net energy consumed by the residential, commercial, industrial, and transportation sectors are calculated:

TNRCB = TERCB – LORCB
TNICB = TEICB – LOICB
TNCCB = TECCB – LOCCB
TNACB = TEACB – LOACB

## Total Energy Consumed per Capita

The energy consumed per person residing in each State and in the United States is estimated by dividing the total energy series ("TE") by the resident population as published by the U.S. Department of Commerce, Bureau of the Census. The U.S. total population may be revised more frequently than the State population estimates, so the sum of the available States' population data may not equal the U.S. totals. Therefore, the U.S. total population is input into SEDS instead of being calculated as the sum of the States' values. The variable names for the series are ("ZZ" in the variable name represents the two-letter State code that differs for each State):

TPOPPZZ = resident population of each State; and
TPOPPUS = resident population of the United States.

Estimated energy consumption per capita for each State and the United States, in million Btu, is represented by "TETPB" and is calculated:

TETPB = TETCB / TPOPP

The residential, commercial, industrial, and transportation sectors' energy consumption per capita are estimated:

TERPB = TERCB / TPOPP
TECPB = TECCB / TPOPP
TEIPB = TEICB / TPOPP
TEAPB = TEACB / TPOPP

### *Data Sources*

TPOPPUS — Resident population of the United States. July 1 estimates for all years.

- 1960 through 1989: U.S. Department of Commerce, Bureau of the Census http://www.census.gov/popest/archives/1990s/popclockest.txt.
- 1990 through 1999: U.S. Department of Commerce, Bureau of the Census, Internet Release http://www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/.
- 2000 forward: http://www.census.gov/popest/states/NST-ann-est.html.

TPOPPZZ — Resident population by State. July 1 estimates for all years.

- 1960 and 1970: U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States, 1980,* Section 1 Population, "No. 10. Resident Population--States: 1950 to 1979".
- 1980: U.S. Department of Commerce, Bureau of the Census, http://www.census.gov/popest/archives/1980s/s5yr8090.txt.
- 1960 through 1989: U.S. Department of Commerce, Bureau of the Census, *Current Population Reports*, "Population Estimates and Projections," Series P-25. Specific publication numbers and table numbers:
  - — 1961 through 1969: Number 460, Table 1.
  - — 1971 through 1979: Number 957, Table 4.
  - — 1981 through 1989: Number 1058, Table 3.
- 1990 through 1999: U.S. Department of Commerce, Bureau of the Census, Internet Release http://www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/index.html.
- 2000 forward: http://www.census.gov/popest/states/NST-ann-est.html.

## Total Energy Consumed per Real Dollar of Gross Domestic Product

Total energy consumed per chained (2005) dollar of output by State and the United States is estimated by dividing the total energy series ("TE") by real gross domestic product (GDP) as published by the U.S. Department of Commerce, Bureau of Economic Analysis, beginning in 1977.

For 1997 forward, BEA reports real GDP by State based on the North American Industry Classification System (NAICS). From 1977 through 1997, BEA reports real GDP by State based on the Standard Industrial Classification (SIC). A set of quantity indexes for real GDP by State (1997=100) is available for 1977 through 1997. Given the differences in NAICS and SIC, BEA has cautioned against appending the two data series in an attempt to construct a single time series. However, for the purpose of comparing energy intensity by State over time, real GDP for 1977 through 1996 are calculated in SEDS by applying the quantity indexes to the 1997 real GDP.

There are two series available for real GDP at the national level - the national series contained in the "National Income and Product Accounts," and the U.S. GDP in the Regional Economic Accounts, the source of the State GDP dataset. These series are not strictly comparable due to slight differences in coverage, and the different sources and vintages of data used. SEDS uses the national series from the "National Income and Product Accounts" for real GDP at the U.S. level. For details on these two series, see BEA Regional Economic Accounts: Methodologies, http://bea.gov/regional/methods.cfm.

The variable names for the series are ("ZZ" in the variable name represents the two-letter State code that differs for each State):

GDPRXUS = real gross domestic product of the United States in million chained (2005) dollars.; and

GDPRXZZ = real gross domestic product by State in million chained (2005) dollars.

Estimated energy consumption per real chained (2005) dollar for each State and the United States, in thousand Btu per chained (2005) dollar, is represented by "TETGR" and is calculated:

TETGR = TETCB / GDPRX

### *Data Sources*

GDPRXUS — Real gross domestic product of the United States in million chained (2005) dollars.

- 1977 forward: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Products Accounts, http://www.bea.gov/national/ nipaweb/index.asp.

GDPRXZZ — Real gross domestic product by State in million chained (2005) dollars.

- 1977 through 1996: U.S. Department of Commerce, Bureau of Economic Analysis, http://www.bea.gov/regional/gsp/default.cfm?series=SIC.
- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, http://www.bea.gov/regional/gsp/default.cfm?series=NAICS.

Appendix A

# State Energy Data System Variables

This is an alphabetical listing of all the variable names used in the State Energy Data System (SEDS). Provided for each variable on the system are: a brief description of the variable; units of the variable as found in SEDS; and the formulas used in SEDS to create the variable. If a variable is not one created by SEDS but is entered into the system, it is described as an independent variable. Formulas are provided for the State calculations ("ZZ" in the variable name would be replaced by the two-letter code for each State) and for the U.S. calculation (wherever appropriate).

Variables in SEDS have five-letter names that consist of the following components:

| **Character Positions:** | **1 and 2** | **3 and 4** | **5** |
|---|---|---|---|
| **Identify:** | Type of energy | Energy activity or consumption end-use sector | Type of data |

Characters 1 through 4 are explained in the description of each variable.

Character 5 is one of the following:

B = Data in British thermal units (Btu)
K = Factor for converting data from physical units to Btu
M = Data in alternative physical units
P = Data in standardized physical units
S = Share or ratio expressed as a fraction
V = Value added in manufacture.

Associated with or attached to the variable names are two-letter U.S. Postal Service codes for the 50 States and the District of Columbia (represented by "ZZ" in the following variable names) and the United States ("US"). In this system, the United States means the 50 States and the District of Columbia. Some estimates of electricity sales and losses are derived by using only the contiguous 48 States and the District of Columbia. The variables used in those calculations are identified by "48."

| | | | |
|---|---|---|---|
| ABICB | Aviation gasoline blending components total consumed by the industrial sector. | Billion Btu | ABICBZZ = ABTCBZZ<br>ABICBUS = ABTCBUS |
| ABICP | Aviation gasoline blending components total consumed by the industrial sector. | Thousand barrels | ABICPZZ = ABTCPZZ<br>ABICPUS = ABTCPUS |
| ABTCB | Aviation gasoline blending components total consumed. | Billion Btu | ABTCBZZ = ABTCPZZ * 5.048<br>ABTCBUS = ΣABTCBZZ |
| ABTCP | Aviation gasoline blending components total consumed. | Thousand barrels | ABTCPZZ = (COCAPZZ / COCAPUS) * ABTCPUS<br>ABTCPUS is independent. |
| AICAP | Aluminum ingot production capacity. | Short tons | AICAPZZ is independent.<br>AICAPUS = ΣAICAPZZ |
| ARICB | Asphalt and road oil consumed by the industrial sector. | Billion Btu | ARICBZZ = ARICPZZ * 6.636<br>ARICBUS = ΣARICBZZ |
| ARICP | Asphalt and road oil consumed by the industrial sector. | Thousand barrels | ARICPZZ = ASICPZZ + RDICPZZ<br>ARICPUS = ΣARICPZZ |
| ARTCB | Asphalt and road oil total consumed. | Billion Btu | ARTCBZZ = ARICBZZ<br>ARTCBUS = ARICBUS |
| ARTCP | Asphalt and road oil total consumed. | Thousand barrels | ARTCPZZ = ASTCPZZ + RDTCPZZ<br>ARTCPUS = ΣARTCPZZ |
| ARTXB | Asphalt and road oil total end-use consumption. | Billion Btu | ARTCBZZ = ARICBZZ<br>ARTCBUS = ARICBUS |
| ARTXP | Asphalt and road oil total end-use consumption. sectors. | Thousand barrels | ARTXPZZ = ARICPZZ<br>ARTXPUS = ARICPUS |
| ASICP | Asphalt consumed by the industrial sector. | Thousand barrels | ASICPZZ = (ASINPZZ / ASINPUS) * ASTCPUS<br>ASICPUS = ΣASICPZZ |
| ASINP | Asphalt sold to the industrial sector. | Short tons | ASINPZZ is independent.<br>ASINPUS = ΣASINPZZ |
| ASTCP | Asphalt total consumed. | Thousand barrels | ASTCPZZ = ASICPZZ<br>ASTCPUS is independent. |
| AVACB | Aviation gasoline consumed by the transportation sector. | Billion Btu | AVACBZZ = AVACPZZ * 5.048<br>AVACBUS = ΣAVACBZZ |

| | | | |
|---|---|---|---|
| AVACP | Aviation gasoline consumed by the transportation sector. | Thousand barrels | AVACPZZ = (AVTTPZZ / AVTTPUS) * AVTCPUS<br>AVACPUS = ΣAVACPZZ |
| AVMIP | Aviation gasoline issued to the military. | Thousand barrels | AVMIPZZ is independent.<br>AVMIPUS = ΣAVMIPZZ |
| AVNMM | Aviation gasoline sold to nonmilitary users. | Thousand gallons | AVNMMZZ is independent.<br>AVNMMUS = ΣAVNMMZZ |
| AVNMP | Aviation gasoline sold to nonmilitary users. | Thousand barrels | AVNMPZZ = AVNMMZZ / 42<br>AVNMPUS = ΣAVNMPZZ |
| AVTCB | Aviation gasoline total consumed. | Billion Btu | AVTCBZZ = AVACBZZ<br>AVTCBUS = ΣAVTCBZZ |
| AVTCP | Aviation gasoline total consumed. | Thousand barrels | AVTCPZZ = AVACPZZ<br>AVTCPUS is independent. |
| AVTTP | Aviation gasoline total sales to the transportation sector. | Thousand barrels | AVTTPZZ = AVNMPZZ + AVMIPZZ<br>AVTTPUS = ΣAVTTPZZ |
| AVTXB | Aviation gasoline total end-use consumption. | Billion Btu | AVTXBZZ = AVACBZZ<br>AVTXBUS = ΣAVTXBZZ |
| AVTXP | Aviation gasoline total end-use consumption. | Thousand barrels | AVTXPZZ = AVACPZZ<br>AVTXPUS = SAVTXPZZ |
| BMTCB | Biomass total consumed. | Billion Btu | BMTCB = WWTCB + EMTCB + EMLCB |
| CCEXBUS | Coal coke exported from the United States. | Billion Btu | CCEXBUS = CCEXPUS * 24.80 |
| CCEXPUS | Coal coke exported from the United States. | Thousand short tons | CCEXPUS is independent. |
| CCIMBUS | Coal coke imported into the United States. | Billion Btu | CCIMBUS = CCIMPUS * 24.80 |
| CCIMPUS | Coal coke imported into the United States. | Thousand short tons | CCIMPUS is independent. |
| CCNIBUS | Coal coke net imports into the United States. | Billion Btu | CCNIBUS = CCIMBUS – CCEXBUS |
| CCNIPUS | Coal coke net imports into the United States. | Thousand short tons | CCNIPUS = CCIMPUS – CCEXPUS |
| CGVAV | Value of shipments or calue added in the manufacture of corrugated and solid fiber boxes. | Million dollars | CGVAVZZ is independent.<br>CGVAVUS = ΣCGVAVZZ |
| CLACB | Coal consumed by the transportation sector. | Billion Btu | CLACBZZ = CLACPZZ * CLACKZZ<br>CLACBUS = ΣCLACBZZ |

| | | | |
|---|---|---|---|
| CLACK | Factor for converting coal consumed by the transportation sector from physical units to Btu. | Million Btu per short ton | CLACKZZ is independent.<br>CLACKUS = CLACBUS / CLACPUS |
| CLACP | Coal consumed by the transportation sector. | Thousand short tons | CLACPZZ = (CLICPZZ / CLICPUS) * CLACPUS<br>CLACPUS is independent. |
| CLCCB | Coal consumed by the commercial sector. | Billion Btu | CLCCBZZ = CLCCPZZ * CLHCKZZ<br>CLCCBUS = ΣCLCCBZZ |
| CLCCP | Coal consumed by the commercial sector. | Thousand short tons | CLCCP = CLHCPZZ - CLRCPZZ<br>CLCCPUS = ΣCLCCPZZ |
| CLEIB | Coal consumed by the electric power sector. | Billion Btu | CLEIBZZ = CLEIPZZ * CLEIKZZ<br>CLEIBUS = ΣCLEIBZZ |
| CLEIK | Factor for converting coal consumed by the electric power sector from physical units to Btu. | Million Btu per short ton | CLEIKZZ is independent.<br>CLEIKUS = CLEIBUS / CLEIPUS |
| CLEIP | Coal consumed by the electric power sector. | Thousand short tons | CLEIPZZ is independent<br>CLEIPUS = ΣCLEIPZZ |
| CLHCB | Coal consumed by the residential and commercial sectors. | Billion Btu | CLHCBZZ = CLCCBZZ + CLRCBZZ<br>CLHCBUS = ΣCLHCBZZ |
| CLHCK | The factor for converting coal consumed by the residential and commercial sectors from physical units to Btu. | Million Btu per short ton | CLHCKZZ is independent.<br>CLHCKUS = CLHCBUS / CLHCPUS |
| CLHCP | Coal consumed by the residential and commercial sectors. | Thousand short tons | CLHCPZZ = (CLHDPZZ / CLHDPUS) * CLHCPUS<br>CLHCPUS is independent. |
| CLHDP | Coal distributed to the residential and commercial sectors. | Thousand short tons | CLHDPZZ is independent.<br>CLHDPUS = ΣCLHDPZZ |
| CLICB | Coal consumed by the industrial sector. | Billion Btu | CLICBZZ = CLKCBZZ + CLOCBZZ<br>CLICBUS = ΣCLICBZZ |
| CLICP | Coal consumed by the industrial sector. | Thousand short tons | CLICPZZ = CLKCPZZ + CLOCPZZ<br>CLICPUS = ΣCLICPZZ |
| CLKCB | Coal consumed at coke plants (coking coal). | Billion Btu | CLKCBZZ = CLKCPZZ * CLKCKZZ<br>CLKCBUS = ΣCLKCBZZ |
| CLKCK | The factor for converting coal consumed at at coke plants from physical units to Btu. | Million Btu per short ton | CLKCKZZ is independent.<br>CLKCKUS = CLKCBUS / CLKCPUS |

| | | | |
|---|---|---|---|
| CLKCP | Coal consumed by coke plants (coking coal). | Thousand short tons | CLKCPZZ = (CLKDPZZ / CLKDPUS) * CLKCPUS<br>CLKCPUS is independent. |
| CLKDP | Coal distributed to coke plants (coking coal). | Thousand short tons | CLKDPZZ is independent.<br>CLKDPUS = ΣCLKDPZZ |
| CLOCB | Coal consumed by other industrial users. | Billion Btu | CLOCBZZ = CLOCPZZ * CLOCKZZ<br>CLOCBUS = ΣCLOCBZZ |
| CLOCK | The factor for converting coal consumed by other industrial users from physical units to Btu. | Million Btu per short ton | CLOCKZZ is independent.<br>CLOCKUS = CLOCBUS / CLOCPUS |
| CLOCP | Coal consumed by other industrial users. | Thousand short tons | CLOCPZZ = (CLODPZZ / CLODPUS) * CLOCPUS<br>CLOCPUS is independent. |
| CLODP | Coal distributed to other industrial users. | Thousand short tons | CLODPZZ is independent.<br>CLODPUS = ΣCLODPZZ |
| CLRCB | Coal consumed by the residential sector. | Billion Btu | CLRCBZZ = CLRCPZZ * CLHCKZZ<br>CLRCBUS = ΣCLRCBZZ |
| CLRCP | Coal consumed by the residential sector. | Thousand short tons | CLRCPZZ = CLHCPZZ * CLRCSUS<br>CLRCPUS = ΣCLRCPZZ |
| CLRCSUS | The share of residential and commercial coal consumed by the residential sector. | Percent | CLRCSUS is independent. |
| CLTCB | Coal total consumed. | Billion Btu | CLTCBZZ = CLRCBZZ + CLCCBZZ + CLICBZZ + CLACBZZ + CLEIBZZ<br>CLTCBUS = ΣCLTCBZZ |
| CLTCP | Coal total consumed. | Thousand short tons | CLTCPZZ = CLRCPZZ + CLCCPZZ + CLICPZZ + CLACPZZ + CLEIPZZ<br>CLTCPUS = ΣCLTCPZZ |
| CLTXB | Coal total end-use consumption. | Billion Btu | CLTXBZZ = CLACBZZ + CLCCBZZ + CLICBZZ + CLRCBZZ<br>CLTXBUS = ΣCLTXBZZ |
| CLTXP | Coal total end-use consumption. | Thousand barrels | CLTXPZZ = CLACPZZ + CLCCPZZ + CLICPZZ + CLRCPZZ<br>CLTXPUS = ΣCLTXPZZ |
| COCAP | Crude oil operating capacity at refineries. | Barrels per calendar day | COCAPZZ is independent.<br>COCAPUS = ΣCOCAPZZ |

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| COICB | Crude oil consumed by the industrial sector. | Billion Btu | COICBZZ = COTCBZZ<br>COICBUS = COTCBUS |
| COICP | Crude oil consumed by the industrial sector. | Thousand barrels | COICPZZ = COTCPZZ<br>COICPUS = COTCPUS |
| COTCB | Crude oil consumed in petroleum industry operations. | Billion Btu | COTCBZZ = COTCPZZ * 5.800<br>COTCBUS = ΣCOTCBZZ |
| COTCP | Crude oil consumed in petroleum industry operations. | Thousand barrels | COTCPZZ is independent.<br>COTCPUS = ΣCOTCPZZ |
| CTCAP | Catalytic cracking charge capacity of petroleum refineries. | 1960 through 1979:<br>Barrels per calendar day<br>1980 forward:<br>Barrels per stream day | CTCAPZZ is independent.<br>CTCAPUS = ΣCTCAPZZ |
| DFACB | Distillate fuel oil consumed by the transportation sector. | Billion Btu | DFACBZZ = DFACPZZ * 5.825<br>DFACBUS = ΣDFACBZZ |
| DFACP | Distillate fuel oil consumed by the transportation sector. | Thousand barrels | DFACPZZ = (DFTRPZZ / DFNDPZZ) * DFNCPZZ<br>DFACPUS = ΣDFACPZZ |
| DFBKP | Distillate fuel oil sales for vessel bunkering use, excluding that sold to the Armed Forces. | Thousand barrels | DFBKPZZ is independent.<br>DFBKPUS = ΣDFBKPZZ |
| DFCCB | Distillate fuel oil consumed by the commercial sector. | Billion Btu | DFCCBZZ = DFCCPZZ * 5.825<br>DFCCBUS = ΣDFCCBZZ |
| DFCCP | Distillate fuel oil consumed by the commercial sector. | Thousand barrels | DFCCPZZ = (DFCMPZZ / DFNDPZZ) * DFNCPZZ<br>DFCCPUS = ΣDFCCPZZ |
| DFCMP | Distillate fuel oil sales to the commercial sector. | Thousand barrels | DFCMPZZ is independent.<br>DFCMPUS = ΣDFCMPZZ |
| DFEIB | Distillate fuel oil consumed by the electric power sector. | Billion Btu | DFEIBZZ = DFEIPZZ * 5.825<br>DFEIBUS = ΣDFEIBZZ |
| DFEIP | Distillate fuel oil (excluding kerosene-type jet fuel) consumed by the electric power sector. | Thousand barrels | DFEIPZZ = DKEIPZZ – JKEUPZZ<br>DFEIPUS = ΣDFEIPZZ |
| DFIBP | Distillate fuel oil sales for industrial space heating and other industrial use, including farm use. | Thousand barrels | DFIBPZZ is independent.<br>DFIBPUS = ΣDFIBPZZ |

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| DFICB | Distillate fuel oil consumed by the industrial sector. | Billion Btu | DFICBZZ = DFICPZZ * 5.825<br>DFICBUS = ΣDFICBZZ |
| DFICP | Distillate fuel oil consumed by the industrial sector. | Thousand barrels | DFICPZZ = (DFINPZZ / DFNDPZZ) * DFNCPZZ<br>DFICPUS = ΣDFICPZZ |
| DFINP | Distillate fuel oil sales to the industrial sector. | Thousand barrels | DFINPZZ = DFIBPZZ + DFOCPZZ + DFOFPZZ + DFOTPZZ<br>DFINPUS = ΣDFINPZZ |
| DFMIP | Distillate fuel oil sales to the Armed Forces, regardless of use. | Thousand barrels | DFMIPZZ is independent.<br>DFMIPUS = ΣDFMIPZZ |
| DFNCP | Distillate fuel oil consumption by all sectors other than the electric power sector. | Thousand barrels | DFNCPZZ = (DFNDPZZ / DFNDPUS) * DFNCPUS<br>DFNCPUS = DFTCPUS – DFEIPUS |
| DFNDP | Distillate fuel oil sales to all sectors other than the electric power sector. | Thousand barrels | DFNDPZZ = DFRSPZZ + DFCMPZZ + DFINPZZ + DFTRPZZ<br>DFNDPUS = ΣDFNDPZZ |
| DFOCP | Distillate fuel oil sales for use by oil companies. | Thousand barrels | DFOCPZZ is independent.<br>DFOCPUS = ΣDFOCPZZ |
| DFOFP | Distillate fuel oil sales as diesel fuel for off-highway use. | Thousand barrels | DFOFPZZ is independent.<br>DFOFPUS = ΣDFOFPZZ |
| DFONP | Distillate fuel oil sales as diesel fuel for on-highway use. | Thousand barrels | DFONPZZ is independent.<br>DFONPUS = ΣDFONPZZ |
| DFOTP | Distillate fuel oil sales for all other uses not identified in other sales categories. | Thousand barrels | DFOTPZZ is independent.<br>DFOTPUS = ΣDFOTPZZ |
| DFRCB | Distillate fuel oil consumed by the residential sector. | Billion Btu | DFRCBZZ = DFRCPZZ * 5.825<br>DFRCBUS = ΣDFRCBZZ |
| DFRCP | Distillate fuel oil consumed by the residential sector. | Thousand barrels | DFRCPZZ = (DFRSPZZ / DFNDPZZ) * DFNCPZZ<br>DFRCPUS = ΣDFRCPZZ |
| DFRRP | Distillate fuel oil sales for use by railroads. | Thousand barrels | DFRRPZZ is independent.<br>DFRRPUS = ΣDFRRPZZ |
| DFRSP | Distillate fuel oil sales to the residential sector. | Thousand barrels | DFRSPZZ is independent.<br>DFRSPUS = ΣDFRSPZZ |
| DFTCB | Distillate fuel oil total consumed. | Billion Btu | DFTCBZZ = DFRCBZZ + DFCCBZZ + DFICBZZ + DFACBZZ + DFEIBZZ |

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| | | | DFTCBUS = ΣDFTCBZZ |
| DFTCP | Distillate fuel oil total consumed. | Thousand barrels | DFTCPZZ = DFNCPZZ + DFEIPZZ<br>DFTCPUS is independent. |
| DFTRP | Distillate fuel oil sales to the transportation sector. | Thousand barrels | DFTRPZZ = DFBKPZZ + DFMIPZZ + DFRRPZZ + DFONPZZ<br>DFTRPUS = ΣDFTRPZZ |
| DFTXB | Distillate fuel oil total end-use consumption. | Billion Btu | DFTXBZZ = DFACBZZ + DFCCBZZ + DFICBZZ + DFRCBZZ<br>DFTXBUS = ΣDFTXBZZ |
| DFTXP | Distillate fuel oil total end-use consumption. | Thousand barrels | DFTXPZZ = DFACPZZ + DFCCPZZ + DFICPZZ + DFRCPZZ<br>DFTXPUS = ΣDFTXPZZ |
| DKEIB | Distillate fuel oil and kerosene-type jet fuel consumed by the electric power sector. | Billion Btu | DKEIBZZ = DFEIBZZ + JKEUBZZ<br>DKEIBUS = ΣDKEIBZZ |
| DKEIP | Distillate fuel oil and kerosene-type jet fuel consumed by the electric power sector. | Thousand barrels | DKEIPZZ is independent.<br>DKEIPUS = ΣDKEIPZZ |
| ELEXB | Electricity exported from the United States. | Billion Btu | ELEXBZZ = ELEXPZZ * 3.412<br>ELEXBUS = ΣELEXBZZ |
| ELEXP | Electricity exported from the United States. | Million kilowatthours | ELEXPZZ is independent.<br>ELEXPUS = ΣELEXPZZ |
| ELIMB | Electricity imported into the United States | Billion Btu | ELIMBZZ = ELIMPZZ * 3.412<br>ELIMBUS = ΣELIMBZZ |
| ELIMP | Electricity imported into the United States | Million kilowatthours | ELIMPZZ is independent.<br>ELIMPUS = ΣELIMPZZ |
| ELISB | Net interstate flow of electricity. (Negative indicates flow out of State; positive indicates flow into State.) | Billion Btu | ELISBZZ = (ESTCBZZ + LOTCBZZ) – TEEIBZZ<br>ELISBUS = ΣELISBZZ |
| ELLSS48 | The ratio of electrical system energy losses to electricity sold in the contiguous 48 States and the District of Columbia. | Fraction | ELLSS48 = LOTCB48 / ESTCB48 |
| ELNIB | Net imports of electricity into the United States. | Billion Btu | ELNIBZZ = ELIMBZZ - ELEXBZZ<br>ELNIBUS = ΣELNIBZZ |

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| ELNIP | Net imports of electricity into the United States. | Million kilowatthours | ELNIPZZ = ELIMPZZ - ELEXPZZ<br>ELNIPUS = ΣELNIPZZ |
| EMACB | Fuel ethanol excluding denaturant consumed by the transportation sector. | Billion Btu | EMACBZZ = (MGACPZZ / MGTCPZZ) * EMTCBZZ<br>EMACBUS = ΣEMACBZZ |
| EMCCB | Fuel ethanol excluding denaturant consumed by the commercial sector. | Billion Btu | EMCCBZZ = (MGCCPZZ / MGTCPZZ) * EMTCBZZ<br>EMCCBUS = ΣEMCCBZZ |
| EMICB | Fuel ethanol excluding denaturant consumed by the industrial sector. | Billion Btu | EMICBZZ = (MGICPZZ * MGTCPZZ) * EMTCBZZ<br>EMICBUS = ΣEMICBZZ |
| EMLCB | Energy losses and co-products from the production of fuel ethanol. | Billion Btu | EMLCBZZ = (EMPRBZZ / EMPRBUS) * EMLCBUS<br>EMLCBUS is independent |
| EMPRB | Fuel ethanol production excluding denaturant. | Billion Btu | EMPRBZZ is independent.<br>EMPRBUS = ΣEMPRBZZ |
| EMTCB | Fuel ethanol excluding denaturant total consumed. . | Billion Btu | EMTCBZZ = (EMTCBUS / ENTCBUS) * ENTCBZZ<br>EMTCBUS is independent. |
| ENACB | Fuel ethanol including denaturant consumed by the transportation sector. | Billion Btu | ENACBZZ = (MGACPZZ / MGTCPZZ) * ENTCBZZ<br>ENACBUS = ΣENACBZZ |
| ENACP | Fuel ethanol including denaturant consumed by the transportation sector. | Thousand barrels | ENACPZZ = (MGACPZZ / MGTCPZZ) * ENTCPZZ<br>ENACPUS = ΣENACPZZ |
| ENCCB | Fuel ethanol including denaturant consumed by the commercial sector. | Billion Btu | ENCCBZZ = (MGCCPZZ / MGTCPZZ) * ENTCBZZ<br>ENCCBUS = ΣENCCBZZ |
| ENCCP | Fuel ethanol including denaturant consumed by the commercial sector. | Thousand barrels | ENCCPZZ = (MGCCPZZ / MGTCPZZ) * ENTCPZZ<br>ENCCPUS = ΣENCCPZZ |
| ENICB | Fuel ethanol including denaturant consumed by the industrial sector. | Billion Btu | ENICBZZ = (MGICPZZ / MGTCPZZ) * ENTCBZZ<br>ENICBUS = ΣENICBZZ |
| ENICP | Fuel ethanol including denaturant consumed by the industrial sector. | Thousand barrels | ENICPZZ = (MGICPZZ / MGTCPZZ) * ENTCPZZ<br>ENICPUS = ΣENICPZZ |
| ENTCB | Fuel ethanol including denaturant total consumed. | Billion Btu | ENTCBZZ = ENTCPZZ * ENTCKUS<br>ENTCBUS is independent. |
| ENTCK | Fuel ethanol total consumed conversion factor. | Million Btu per barrel | ENTCKUS = ENTCBUS / ENTCPUS |

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| ENTCP | Fuel ethanol total consumed. | Thousand gallons | ENTCPZZ = (ENTRPZZ / ENTRPUS) * ENTCPUS<br>ENTCPUS is independent. |
| ENTRP | Fuel ethanol blended into motor gasoline. | Thousand gallons | ENTRPZZ is independent.<br>ENTRPUS = ΣENTRPZZ |
| ESACB | Electricity consumed by (i.e., sold to) the transportation sector. | Billion Btu | ESACBZZ = ESACPZZ * 3.412<br>ESACBUS = ΣESACBZZ |
| ESACP | Electricity consumed by (i.e., sold to) the transportation sector. | Million kilowatthours | ESACPZZ = ESTRPZZ<br>ESACPUS = ΣESACPZZ |
| ESCCB | Electricity consumed by (i.e., sold to) the commercial sector. | Billion Btu | ESCCBZZ = ESCCPZZ * 3.412<br>ESCCBUS = ΣESCCBZZ |
| ESCCP | Electricity consumed by (i.e., sold to) the commercial sector. | Million kilowatthours | ESCCPZZ = ESCMPZZ + ESOTPZZ – ESACPZZ<br>ESCCPUS = ΣESCCPZZ |
| ESCMP | Electricity sold to a portion of the commercial sector. | Million kilowatthours | ESCMPZZ is independent.<br>ESCMPUS = ΣESCMPZZ |
| ESICB | Electricity consumed by (i.e., sold to) the industrial sector. | Billion Btu | ESICBZZ = ESICPZZ * 3.412<br>ESICBUS = ΣESICBZZ |
| ESICP | Electricity consumed by (i.e., sold to) the industrial sector. | Million kilowatthours | ESICPZZ is independent.<br>ESICPUS = ΣESICPZZ |
| ESOTP | Electricity sold to the "Other" sector (i.e., public street and highway lighting, sales to other public authorities, railroads and railways, and interdepartmental sales). | Million kilowatthours | ESOTPZZ is independent.<br>ESOTPUS = ΣESOTPZZ |
| ESRCB | Electricity consumed by (i.e., sold to) the residential sector. | Billion Btu | ESRCBZZ = ESRCPZZ * 3.412<br>ESRCBUS = ΣESRCBZZ |
| ESRCP | Electricity consumed by (i.e., sold to) the residential sector. | Million kilowatthours | ESRCPZZ is independent.<br>ESRCPUS = ΣESRCPZZ |
| ESTCB | Electricity total consumed (i.e., sold). | Billion Btu | ESTCBZZ = ESTCPZZ * 3.412<br>ESTCBUS = ΣESTCBZZ<br>ESTCB48 = ESTCBUS – (ESTCBAK + ESTCBHI) |
| ESTCP | Electricity total consumed (i.e., sold). | Million kilowatthours | ESTCPZZ = ESRCPZZ + ESCCPZZ + ESICPZZ + ESACPZZ<br>ESTCPUS = ΣESTCPZZ |

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| ESTRP | Electricity consumed by transit systems. | Million kilowatthours | ESTRPZZ is independent.<br>ESTRPUS = ΣESTRPZZ |
| ESTRSUS | The share of electricity sold to the "Other" sector (ESOTP) that is used for transportation. | Fraction | ESTRSUS = ESACPUS / ESOTPUS |
| ESTXB | Electricity total end-use consumption (i.e., sold). | Billion Btu | ESTXBZZ = ESACBZZ + ESCCBZZ + ESICBZZ + ESRCBZZ<br>ESTXBUS = ΣESTXBZZ |
| ESTXP | Electricity total end-use consumption (i.e., sold). | Thousand barrels | ESTXPZZ = ESACPZZ + ESCCPZZ + ESICPZZ + ESRCPZZ<br>ESTXPUS = ΣESTXPZZ |
| FFETKUS | Fossil-fueled steam-electric power plant conversion factor. | Thousand Btu per kilowatthour | FFETKUS is independent. |
| FFTCB | Fossil fuels, total consumed. | Billion Btu | FFTCBZZ = CLTCBZZ + NNTCBZZ + PMTCBZZ<br>FFTCBUS = CLTCBZZ + CCNIBUS + NNTCBZZ + PMTCBZZ |
| FNICB | Petrochemical feedstocks, naphtha less than 401° F, consumed by the industrial sector. | Billion Btu | FNICBZZ = FNTCBZZ<br>FNICBUS = FNTCBUS |
| FNICP | Petrochemical feedstocks, naphtha less than 401° F, consumed by the industrial sector. | Thousand barrels | FNICPZZ = FNTCPZZ<br>FNICPUS = FNTCPUS |
| FNTCB | Petrochemical feedstocks, naphtha less than 401° F, total consumed. | Billion Btu | FNTCBZZ = FNTCPZZ * 5.248<br>FNTCBUS = ΣFNTCBZZ |
| FNTCP | Petrochemical feedstocks, naphtha less than 401° F, total consumed. | Thousand barrels | FNTCPZZ = (OCVAVZZ / OCVAVUS) * FNTCPUS<br>FNTCPUS is independent. |
| FOICB | Petrochemical feedstocks, other oils equal to or greater than 401° F, consumed by the industrial sector. | Billion Btu | FOICBZZ = FOTCBZZ<br>FOICBUS = FOTCBUS |
| FOICP | Petrochemical feedstocks, other oils equal to or greater than 401° F, consumed by the industrial sector. | Thousand barrels | FOICPZZ = FOTCPZZ<br>FOICPUS = FOTCPUS |
| FOTCB | Petrochemical feedstocks, other oils equal to or greater than 401° F, total consumed. | Billion Btu | FOTCBZZ = FOTCPZZ * 5.825<br>FOTCBUS = ΣFOTCBZZ |
| FOTCP | Petrochemical feedstocks, other oils equal to or greater than 401° F, total consumed. | Thousand barrels | FOTCPZZ = (OCVAVZZ / OCVAVUS) * FOTCPUS<br>FOTCPUS is independent. |

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| FSICB | Petrochemical feedstocks, still gas, consumed by the industrial sector. | Billion Btu | FSICBZZ = FSTCBZZ<br>FSICBUS = FSTCBUS |
| FSICP | Petrochemical feedstocks, still gas, consumed by the industrial sector. | Thousand barrels | FSICPZZ = FSTCPZZ<br>FSICPUS = FSTCPUS |
| FSTCB | Petrochemical feedstocks, still gas, total consumed. | Billion Btu | FSTCBZZ = FSTCPZZ * 6.000<br>FSTCBUS = ΣFSTCBZZ |
| FSTCP | Petrochemical feedstocks, still gas, total consumed. | Thousand barrels | FSTCPZZ = (COCAPZZ / COCAPUS) * FSTCPUS<br>FSTCPUS is independent. |
| GDPRX | Real gross domestic product. | Million chained (2005) dollars | GDPRXZZ is independent.<br>GDPRXUS is independent. |
| GECCB | Direct use of geothermal energy and heat pumps in the commercial sector. | Billion Btu | GECCBZZ is independent.<br>GECCBUS = ΣGECCBZZ |
| GEEGB | Electricity produced from geothermal energy by the electric power sector. | Billion Btu | GEEGBZZ = GEEGPZZ * FFETKUS<br>GEEGBUS = ΣGEEGBZZ |
| GEEGP | Electricity produced from geothermal energy by the electric power sector. | Million kilowatthours | GEEGPZZ is independent.<br>GEEGPUS = ΣGEEGPZZ |
| GEICB | Direct use of geothermal energy and heat pumps in the industrial sector. | Billion Btu | GEICBZZ is independent.<br>GEICBUS = ΣGEICBZZ |
| GERCB | Direct use of geothermal energy and heat pumps in the residential sector. | Billion Btu | GERCBZZ is independent.<br>GERCBUS = ΣGERCBZZ |
| GETCB | Geothermal total energy consumed. | Billion Btu | GETCBZZ = GERCBZZ + GECCBZZ + GEICBZZ + GEEGBZZ<br>GETCBUS = ΣGETCBZZ |
| GETXB | Geothermal total end-use consumption. | Billion Btu | GETXBZZ = GECCBZZ + GEICBZZ + GERCBZZ<br>GETXBUS = ΣGETXBZZ |
| GETXV | Geothermal total end-use expenditures. | | GETXVZZ = GECCVZZ + GEICVZZ + GERCVZZ<br>GETXVUS = ΣGETXVZZ |
| HVC5P | Electricity produced from conventional hydropower in the commercial sector. | Million kilowatthours | HVC5PZZ is independent.<br>HVC5PUS = ΣHVC5PZZ |
| HVEGB | Electricity produced from conventional hydropower by the electric power sector. | Billion Btu | HVEGBZZ = HVEGPZZ * FFETKUS<br>HVEGBUS = ΣHVEGZZ |

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| HVEGP | Electricity produced from conventional hydropower by the electric power sector. | Million kilowatthours | HVEGPZZ is independent.<br>HVEGPUS = ΣHVEGPZZ |
| HVI5P | Electricity produced from conventional hydropower in the commercial sector. | Million kilowatthours | HVI5PZZ is independent.<br>HVI5PUS = ΣHVI5PZZ |
| HYCCB | Electricity produced from conventional hydropower in the commercial sector. | Billion Btu | HYCCBZZ = HYCCPZZ * FFETKUS<br>HYCCBUS = ΣHYCCBZZ |
| HYCCP | Electricity produced from conventional hydropower in the commercial sector. | Million kilowatthours | HYCCPZZ = HVC5PZZ<br>HYCCPUS = ΣHYCCPZZ |
| HYEGB | Electricity produced from all types of hydropower by the electric power sector. | Billion Btu | HYEGBZZ = HYEGPZZ * FFETKUS<br>HYEGBUS = ΣHYEGBZZ |
| HYEGP | Electricity produced from all types of hydropower by the electric power sector. | Million kilowatthours | HYEGPZZ = HVEGPZZ<br>HYEGPUS = ΣHYEGPZZ |
| HYICB | Electricity produced from conventional hydropower in the industrial sector. | Billion Btu | HYICBZZ = HYICPZZ * FFETKUS<br>HYICBUS = ΣHYICBZZ |
| HYICP | Electricity produced from conventional hydropower in the industrial sector. | Million kilowatthours | HYICPZZ = HVI5PZZ<br>HYICPUS = ΣHYICPZZ |
| HYTCB | Electricity produced from hydropower; total production. | Billion Btu | HYTCBZZ = HYCCBZZ + HYEGBZZ + HYICBZZ<br>HYTCBUS = ΣHYTCBZZ |
| HYTCP | Electricity produced from hydropower; total production. | Million kilowatthours | HYTCPZZ = HYCCPZZ + HYEGPZZ + HYICPZZ<br>HYTCPUS = ΣHYTCPZZ |
| HYTXB | Hydroelectricity produced by the end-use sectors. | Billion Btu | HYTXBZZ = HYCCBZZ + HYICBZZ<br>HYTXBUS = ΣHYTXBZZ |
| HYTXP | Hydroelectricity produced by the end-use sectors. | Million kilowatthours | HYTXPZZ = HYCCPZZ + HYICPZZ<br>HYTXPUS = ΣHYTXPZZ |
| JFACB | Jet fuel consumed by the transportation sector. | Billion Btu | JFACBZZ = JKACBZZ + JNACBZZ<br>JFACBUS = ΣJFACBZZ |
| JFACP | Jet fuel consumed by the transportation sector. | Thousand barrels | JFACPZZ = JKACPZZ + JNACPZZ<br>JFACPUS = ΣJFACPZZ |
| JFEUB | Jet fuel consumed by electric power sector. | Billion Btu | JFEUBZZ = JKEUBZZ<br>JFEUBUS = JKEUBUS |

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| JFEUP | Jet fuel consumed by electric power sector. | Thousand barrels | JFEUPZZ = JKEUPZZ<br>JFEUPUS = JKEUPUS |
| JFTCB | Jet fuel total consumed. | Billion Btu | JFTCBZZ = JFACBZZ + JFEUBZZ<br>JFTCBUS = ΣJFTCBZZ |
| JFTCP | Jet fuel total consumed. | Thousand barrels | JFTCPZZ = JFACPZZ + JFEUPZZ<br>JFTCPUS = ΣJFTCPZZ |
| JFTXB | Jet fuel total end-use consumption. | Billion Btu | JFTXBZZ = JFACBZZ<br>JFTXBUS = ΣJFTXBZZ |
| JFTXP | Jet fuel total end-use consumption. | Thousand barrels | JFTXPZZ = JFACPZZ<br>JFTXPUS = ΣJFTXPZZ |
| JKACB | Kerosene-type jet fuel consumed by the transportation sector. | Billion Btu | JKACBZZ = JKACPZZ * 5.670<br>JKACBUS = ΣJKACBZZ |
| JKACP | Kerosene-type jet fuel consumed by the transportation sector. | Thousand barrels | JKACPZZ = (JKTTPZZ / JKTTPUS) * JKACPUS<br>JKACPUS = JKTCPUS – JKEUPUS |
| JKEUB | Kerosene-type jet fuel consumed by electric power sector. | Billion Btu | JKEUBZZ = JKEUPZZ * 5.670<br>JKEUBUS = ΣJKEUBZZ |
| JKEUP | Kerosene-type jet fuel consumed by electric power sector. | Thousand barrels | JKEUPZZ is independent.<br>JKEUPUS = ΣJKEUPZZ |
| JKTCB | Kerosene-type jet fuel total consumed. | Billion Btu | JKTCBZZ = JKTCPZZ * 5.670<br>JKTCBUS = ΣJKTCBZZ |
| JKTCP | Kerosene-type jet fuel total consumed. | Thousand barrels | JKTCPZZ = JKACPZZ + JKEUPZZ<br>JKTCPUS is independent. |
| JKTTP | Kerosene-type jet fuel total sold. | Thousand gallons | JKTTPZZ is independent.<br>JKTTPUS = ΣJKTTPZZ |
| JNACB | Naphtha-type jet fuel consumed by the transportation sector. | Billion Btu | JNACBZZ = JNTCBZZ<br>JNACBUS = JNTCBUS |
| JNACP | Naphtha-type jet fuel consumed by the transportation sector. | Thousand barrels | JNACPZZ = JNTCPZZ<br>JNACPUS = JNTCPUS |
| JNMIP | Naphtha-type jet fuel issued to the military. | Thousand barrels | JNMIPZZ is independent.<br>JNMIPUS = ΣJNMIPZZ |

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| JNTCB | Naphtha-type jet fuel total consumed. | Billion Btu | JNTCBZZ = JNTCPZZ * 5.355<br>JNTCBUS = ΣJNTCBZZ |
| JNTCP | Naphtha-type jet fuel total consumed. | Thousand barrels | JNTCPZZ = (JNMIPZZ / JNMIPUS) * JNTCPUS<br>JNTCPUS is independent. |
| KSCCB | Kerosene consumed by the commercial sector. | Billion Btu | KSCCBZZ = KSCCPZZ * 5.670<br>KSCCBUS = ΣKSCCBZZ |
| KSCCP | Kerosene consumed by the commercial sector. | Thousand barrels | KSCCPZZ = (KSCMPZZ / KSTTPZZ) * KSTCPZZ<br>KSCCPUS = ΣKSCCPZZ |
| KSCMP | Kerosene sold to the commercial sector. | Thousand barrels | KSCMPZZ is independent.<br>KSCMPUS = ΣKSCMPZZ |
| KSICB | Kerosene consumed by the industrial sector. | Billion Btu | KSICBZZ = KSICPZZ * 5.670<br>KSICBUS = ΣKSICBZZ |
| KSICP | Kerosene consumed by the industrial sector. | Thousand barrels | KSICPZZ = (KSINPZZ / KSTTPZZ) * KSTCPZZ<br>KSICPUS = ΣKSICPZZ |
| KSIHP | Kerosene sold for industrial heating. | Thousand barrels | KSIHPZZ is independent.<br>KSIHPUS = ΣKSIHPZZ |
| KSINP | Kerosene sold to the industrial sector. | Thousand barrels | KSINPZZ = KSOTPZZ + KSIHPZZ<br>KSINPUS = ΣKSINPZZ |
| KSOTP | Kerosene sold for all other uses, including farm use. | Thousand barrels | KSOTPZZ is independent.<br>KSOTPUS = ΣKSOTPZZ |
| KSRCB | Kerosene consumed by the residential sector. | Billion Btu | KSRCBZZ = KSRCPZZ * 5.670<br>KSRCBUS = ΣKSRCBZZ |
| KSRCP | Kerosene consumed by the residential sector. | Thousand barrels | KSRCPZZ = (KSRSPZZ / KSTTPZZ) * KSTCPZZ<br>KSRCPUS = ΣKSRCPZZ |
| KSRSP | Kerosene sold to the residential sector. | Thousand barrels | KSRSPZZ is independent.<br>KSRSPUS = ΣKSRSPZZ |
| KSTCB | Kerosene total consumed. | Billion Btu | KSTCBZZ = KSRCBZZ + KSICBZZ + KSCCBZZ<br>KSTCBUS = ΣKSTCBZZ |
| KSTCP | Kerosene total consumed. | Thousand barrels | KSTCPZZ = (KSTTPZZ / KSTTPUS) * KSTCPUS<br>KSTCPUS is independent. |

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| KSTTP | Kerosene total sold. | Thousand barrels | KSTTPZZ = KSRSPZZ + KSCMPZZ + KSINPZZ<br>KSTTPUS = ΣKSTTPZZ |
| KSTXB | Kerosene total end-use consumption. | Billion Btu | KSTXBZZ = KSCCBZZ + KSICBZZ + KSRCBZZ<br>KSTXBUS = ΣKSTXBZZ |
| KSTXP | Kerosene total end-use consumption. | Thousand barrels | KSTXPZZ = KSCCPZZ + KSICPZZ + KSRCPZZ<br>KSTXPUS = ΣKSTXPZZ |
| LGACB | LPG consumed by the transportation sector. | Billion Btu | LGACBZZ = LGACPZZ * LGTCKUS<br>LGACBUS = ΣLGACBZZ |
| LGACP | LPG consumed by the transportation sector. | Thousand barrels | LGACPZZ = LGCBPZZ * LGTRSUS<br>LGACPUS = ΣLGACPZZ |
| LGCBM | LPG sales for internal combustion engine use. | Thousand gallons | LGCBMZZ is independent.<br>LGCBMUS = ΣLGCBMZZ |
| LGCBP | LPG consumed for internal combustion engine use. | Thousand barrels | LGCBPZZ = LGCBMZZ / 42<br>LGCBPUS = ΣLGCBPZZ |
| LGCCB | LPG consumed by the commercial sector. | Billion Btu | LGCCBZZ = LGCCPZZ * LGTCKUS<br>LGCCBUS = ΣLGCCBZZ |
| LGCCP | LPG consumed by the commercial sector. | Thousand barrels | LGCCPZZ = LGHCPZZ * 0.15<br>LGCCPUS = ΣLGCCPZZ |
| LGCCS | The share of residential and commercial LPG consumed by the commercial sector. | Percent | LGCCSZZ is independent. |
| LGHCM | LPG sold for residential and commercial use. | Thousand gallons | LGHCMZZ is independent.<br>LGHCMUS = ΣLGHCMZZ |
| LGHCP | LPG consumed by the residential and commercial sectors. | Thousand barrels | LGHCPZZ = LGHCMZZ / 42<br>LGHCPUS = ΣLGHCPZZ |
| LGICB | LPG consumed by the industrial sector. | Billion Btu | LGICBZZ = LGICPZZ * LGTCKUS<br>LGICBUS = ΣLGICBZZ |
| LGICP | LPG consumed by the industrial sector. | Thousand barrels | LGICPZZ = LGTCPZZ – (LGRCPZZ + LGCCPZZ + LGACPZZ)<br>LGICPUS = ΣLGICPZZ |
| LGRCB | LPG consumed by the residential sector. | Billion Btu | LGRCBZZ = LGRCPZZ * LGTCKUS<br>LGRCBUS = ΣLGRCBZZ |

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| LGRCP | LPG consumed by the residential sector. | Thousand barrels | LGRCPZZ = LGHCPZZ * 0.85<br>LGRCPUS = ΣLGRCPZZ |
| LGRCS | The share of residential and commercial LPG consumed by the residential sector. | Percent | LGRCSZZ is independent. |
| LGTCB | LPG total consumed. | Billion Btu | LGTCBZZ = LGRCBZZ + LGCCBZZ + LGICBZZ + LGACBZZ<br>LGTCBUS = ΣLGTCBZZ |
| LGTCKUS | Factor for converting LPG from physical units to Btu. | Million Btu per barrel | LGTCKUS is independent. |
| LGTCP | LPG total consumed. | Thousand barrels | LGTCPZZ = (LGTTPZZ / LGTTPUS) * LGTCPUS<br>LGTCPUS is independent. |
| LGTRSUS | The transportation sector's share of LPG internal combustion engine sales. | Fraction | LGTRSUS is independent. |
| LGTTP | LPG total sold. | Thousand gallons | LGTTPZZ is independent.<br>LGTTPUS = ΣLGTTPZZ |
| LGTXB | LPG total end-use consumption. | Billion Btu | LGTXBZZ = LGACBZZ + LGCCBZZ + LGICBZZ + LGRCBZZ<br>LGTXBUS = ΣLGTXBZZ |
| LGTXP | LPG total end-use consumption. | Thousand barrels | LGTXPZZ = LGACPZZ + LGCCPZZ + LGICPZZ + LGRCPZZ<br>LGTXPUS = ΣLGTXPZZ |
| LOACB | The transportation sector's share of electrical system energy losses. | Billion Btu | LOACBZZ = ESACBZZ * ELLSS48<br>Exceptions:<br>LOACBAK = (ESACBAK / ESTCBAK) * LOTCBAK<br>LOACBHI = (ESACBHI / ESTCBHI) * LOTCBHI<br>LOACBUS = ΣLOACBZZ |
| LOCCB | The commercial sector's share of electrical system energy losses. | Billion Btu | LOCCBZZ = ESCCBZZ * ELLSS48<br>Exceptions:<br>LOCCBAK = (ESCCBAK / ESTCBAK) * LOTCBAK<br>LOCCBHI = (ESCCBHI / ESTCBHI) * LOTCBHI<br>LOCCBUS = ΣLOCCBZZ |
| LOICB | The industrial sector's share of electrical system energy losses. | Billion Btu | LOICBZZ = ESICBZZ * ELLSS48<br>Exceptions:<br>LOICBAK = (ESICBAK / ESTCBAK) * LOTCBAK<br>LOICBHI = (ESICBHI / ESTCBHI) * LOTCBHI |

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| | | | LOICBUS = ΣLOICBZZ |
| LORCB | The residential sector's share of electrical system energy losses. | Billion Btu | LORCBZZ = ESRCBZZ * ELLSS48<br>Exceptions:<br>LORCBAK = (ESRCBAK / ESTCBAK) * LOTCBAK<br>LORCBHI = (ESRCBHI / ESTCBHI) * LOTCBHI<br>LORCBUS = ΣLORCBZZ |
| LOTCB | Total electrical system energy losses. | Billion Btu | LOTCBZZ = ESTCBZZ * ELLSS48<br>Exceptions:<br>LOTCBAK = TEEIBAK – ESTCBAK<br>LOTCBHI = TEEIBHI – ESTCBHI<br>LOTCBUS = TEEIBUS – ESTCBUS<br>LOTCB48 = LOTCBUS – (LOTCBAK + LOTCBHI) |
| LOTXB | Total electrical system energy losses allocated to the end-use sectors. | Billion Btu | LOTXBZZ = LOACBZZ + LOCCBZZ + LOICBZZ + LORCBZZ<br>LOTXBUS = ΣLOTXBZZ |
| LUACB | Lubricants consumed by the transportation sector. | Billion Btu | LUACBZZ = LUACPZZ * 6.065<br>LUACBUS = ΣLUACBZZ |
| LUACP | Lubricants consumed by the transportation sector. | Thousand barrels | LUACPZZ = (LUTRPZZ / LUTTPZZ) * LUTCPZZ<br>LUACPUS = ΣLUACPZZ |
| LUICB | Lubricants consumed by the industrial sector. | Billion Btu | LUICBZZ = LUICPZZ * 6.065<br>LUICBUS = ΣLUICBZZ |
| LUICP | Lubricants consumed by the industrial sector. | Thousand barrels | LUICPZZ = (LUINPZZ / LUTTPZZ) * LUTCPZZ<br>LUICPUS = ΣLUICPZZ |
| LUINP | Lubricants sold to the industrial sector. | Thousand barrels | LUINPZZ is independent.<br>LUINPUS = ΣLUINPZZ |
| LUTCB | Lubricants total consumed. | Billion Btu | LUTCBZZ = LUICBZZ + LUACBZZ<br>LUTCBUS = ΣLUTCBZZ |
| LUTCP | Lubricants total consumed. | Thousand barrels | LUTCPZZ = (LUTTPZZ / LUTTPUS) * LUTCPUS<br>LUTCPUS is independent. |
| LUTRP | Lubricants sold to the transportation sector. | Thousand barrels | LUTRPZZ is independent.<br>LUTRPUS = ΣLUTRPZZ |
| LUTTP | Lubricants total sold. | Thousand barrels | LUTTPZZ = LUINPZZ + LUTRPZZ<br>LUTTPUS = ΣLUTTPZZ |

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| LUTXB | Lubricants total end-use consumption. | Billion Btu | LUTXBZZ = LUACBZZ + LUICBZZ<br>LUTXBUS = ΣLUTXBZZ |
| LUTXP | Lubricants total end-use consumption. | Thousand barrels | LUTXPZZ = LUACPZZ + LUICPZZ<br>LUTXPUS = ΣLUTXPZZ |
| MBICB | Motor gasoline blending components consumed by the industrial sector. | Billion Btu | MBICBZZ = MBTCBZZ<br>MBICBUS = MBTCBUS |
| MBICP | Motor gasoline blending components consumed by the industrial sector. | Thousand barrels | MBICPZZ = MBTCPZZ<br>MBICPUS = MBTCPUS |
| MBTCB | Motor gasoline blending components total consumed. | Billion Btu | MBTCBZZ = MBTCPZZ * 5.253<br>MBTCBUS = ΣMBTCBZZ |
| MBTCP | Motor gasoline blending components total consumed. | Thousand barrels | MBTCPZZ = (COCAPZZ / COCAPUS) * MBTCPUS<br>MBTCPUS is independent. |
| MGACB | Motor gasoline consumed by the transportation sector. | Billion Btu | MGACBZZ = MGACPZZ * MGTCKUS<br>MGACBUS = ΣMGACBZZ |
| MGACP | Motor gasoline consumed by the transportation sector. | Thousand barrels | MGACPZZ = (MGTRPZZ / MGTTPZZ) * MGTCPZZ<br>MGACPUS = ΣMGACPZZ |
| MGAGP | Motor gasoline sold for agricultural use. | Thousand gallons | MGAGPZZ is independent.<br>MGAGPUS = ΣMGAGPZZ |
| MGCCB | Motor gasoline consumed by the commercial sector. | Billion Btu | MGCCBZZ = MGCCPZZ * MGTCKUS<br>MGCCBUS = ΣMGCCBZZ |
| MGCCP | Motor gasoline consumed by the commercial sector. | Thousand barrels | MGCCPZZ = (MGCMPZZ / MGTTPZZ) * MGTCPZZ<br>MGCCPUS = ΣMGCCPZZ |
| MGCMP | Motor gasoline sold to the commercial sector. | Thousand gallons | MGCMPZZ = MGMSPZZ + MGPNPZZ<br>MGCMPUS = ΣMGCMPZZ |
| MGCUP | Motor gasoline sold for construction use. | Thousand gallons | MGCUPZZ is independent.<br>MGCUPUS = ΣMGCUPZZ |
| MGICB | Motor gasoline consumed by the industrial sector. | Billion Btu | MGICBZZ = MGICPZZ * MGTCKUS<br>MGICBUS = ΣMGICBZZ |
| MGICP | Motor gasoline consumed by the industrial sector. | Thousand barrels | MGICPZZ = (MGINPZZ / MGTTPZZ) * MGTCPZZ<br>MGICPUS = ΣMGICPZZ |

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| MGINP | Motor gasoline sold to the industrial sector. | Thousand gallons | MGINPZZ = MGAGPZZ + MGCUPZZ + MGIYPZZ<br>MGINPUS = ΣMGINPZZ |
| MGIYP | Motor gasoline sold for industrial and commercial use (Federal Highway Administration terminology). | Thousand gallons | MGIYPZZ is independen.<br>MGIYPUS = ΣMGIYPZZ |
| MGMFP | Motor gasoline sold for highway use. | Thousand gallons | MGMFPZZ is independent.<br>MGMFPUS = ΣMGMFPZZ |
| MGMRP | Motor gasoline sold for marine use. | Thousand gallons | MGMRPZZ is independent.<br>MGMRPUS = ΣMGMRPZZ |
| MGMSP | Motor gasoline sold for miscellaneous and unclassified uses. | Thousand gallons | MGMSPZZ is independent.<br>MGMSPUS = ΣMGMSPZZ |
| MGPNP | Motor gasoline sold for public nonhighway use. | Thousand gallons | MGPNPZZ is independent.<br>MGPNPUS = ΣMGPNPZZ |
| MGSFP | Motor gasoline special fuels sold (primarily diesel fuel with small amounts of liquefied petroleum gases). | Thousand gallons | MGSFPZZ is independent.<br>MGSFPUS = ΣMGSFPZZ |
| MGTCB | Motor gasoline total consumed. | Billion Btu | MGTCBZZ = MGCCBZZ + MGICBZZ + MGACBZZ<br>MGTCBUS = ΣMGTCBZZ |
| MGTCP | Motor gasoline total consumed. | Thousand barrels | MGTCPZZ = (MGTTPZZ / MGTTPUS) * MGTCPUS<br>MGTCPUS is independent. |
| MGTCKUS | Factor for converting motor gasoline from physical units to Btu. | Million Btu per barrel | MGTCKUS is independent. |
| MGTRP | Motor gasoline sold to the transportation sector. | Thousand gallons | MGTRPZZ = MGMFPZZ + MGMRPZZ – MGSFPZZ<br>MGTRPUS = ΣMGTRPZZ |
| MGTTP | Motor gasoline total sold. | Thousand gallons | MGTTPZZ = MGCMPZZ + MGINPZZ + MGTRPZZ<br>MGTTPUS = ΣMGTTPZZ |
| MGTXB | Motor gasoline total end-use consumption. | Billion Btu | MGTXBZZ = MGACBZZ + MGCCBZZ + MGICBZZ<br>MGTXBUS = ΣMGTXBZZ |
| MGTXP | Motor gasoline total end-use consumption. | Thousand barrels | MGTXPZZ = MGACPZZ + MGCCPZZ + MGICPZZ<br>MGTXPUS = ΣMGTXPZZ |
| MMTCB | Motor gasoline total consumed, excluding fuel ethanol. | Billion Btu | MMTCBZZ = MGTCBZZ - ENTCBZZ<br>MMTCBUS = MGTCBUS - ENTCBUS |

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| MSICB | Miscellaneous petroleum products consumed by the industrial sector. | Billion Btu | MSICBZZ = MSTCBZZ<br>MSICBUS = MSTCBUS |
| MSICP | Miscellaneous petroleum products consumed by the industrial sector. | Thousand barrels | MSICPZZ = MSTCPZZ<br>MSICPUS = MSTCPUS |
| MSTCB | Miscellaneous petroleum products total consumed. | Billion Btu | MSTCBZZ = MSTCPZZ * 5.796<br>MSTCBUS = ΣMSTCBZZ |
| MSTCP | Miscellaneous petroleum products total consumed. | Thousand barrels | MSTCPZZ = (OCVAVZZ / OCVAVUS) * MSTCPUS<br>MSTCPUS is independent. |
| NAICB | Natural gasoline consumed by the industrial sector. | Billion Btu | NAICBZZ = NATCBZZ<br>NAICBUS = NATCBUS |
| NAICP | Natural gasoline consumed by the industrial sector. | Thousand barrels | NAICPZZ = NATCPZZ<br>NAICPUS = NATCPUS |
| NATCB | Natural gasoline total consumed. | Billion Btu | NATCBZZ = NATCPZZ * 4.620<br>NATCBUS = ΣNATCBZZ |
| NATCP | Natural gasoline total consumed. | Thousand barrels | NATCPZZ = (OCVAVZZ / OCVAVUS) * NATCPUS<br>NATCPUS is independent. |
| NGACB | Natural gas consumed by the transportation sector. | Billion Btu | NGACBZZ = NGACPZZ * NGTXKZZ<br>NGACBUS = ΣNGACBZZ |
| NGACP | Natural gas consumed by the transportation sector. | Million cubic feet | NGACPZZ = NGPZPZZ + NGVHPZZ<br>NGACPUS = ΣNGACPZZ |
| NGCCB | Natural gas delivered to the commercial sector, used as consumption (including supplemental gaseous fuels). | Billion Btu | NGCCBZZ = NGCCPZZ * NGTXKZZ<br>NGCCBUS = ΣNGCCBZZ |
| NGCCP | Natural gas delivered to the commercial sector, used as consumption (including supplemental gaseous fuels). | Million cubic feet | NGCCPZZ is independent.<br>NGCCPUS = ΣNGCCPZZ |
| NGEIB | Natural gas consumed by the electric power sector (including supplemental gaseous fuels). | Billion Btu | NGEIBZZ = NGEIPZZ * NGEIKZZ<br>NGEIBUS = ΣNGEIBZZ |
| NGEIK | Factor for converting natural gas consumed by the electric power sector from physical units to Btu. | Thousand Btu per cubic foot | NGEIKZZ is independent.<br>NGEIKUS = NGEIBUS / NGEIPUS |
| NGEIP | Natural gas consumed by the electric power sector (including supplemental gaseous fuels). | Million cubic feet | NGEIPZZ is independent.<br>NGEIPUS = ΣNGEIPZZ |

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| NGICB | Natural gas consumed by the industrial sector (including supplemental gaseous fuels). | Billion Btu | NGICBZZ = NGICPZZ * NGTXKZZ<br>NGICBUS = ΣNGICBZZ |
| NGICP | Natural gas consumed by the industrial sector (including supplemental gaseous fuels). | Million cubic feet | NGICPZZ = NGINPZZ + NGLEPZZ + NGPLPZZ<br>NGICPUS = ΣNGICPZZ |
| NGINP | A portion of the natural gas delivered to the industrial sector. | Million cubic feet | NGINPZZ is independent.<br>NGINPUS = ΣNGINPZZ |
| NGLEP | Natural gas consumed as lease fuel. | Million cubic feet | NGLEPZZ is independent.<br>NGLEPUS = ΣNGLEPZZ |
| NGLPB | Natural gas consumed as lease and plant fuel. | Billion Btu | NGLPBZZ = NGLPPZZ * NGTXKZZ<br>NGLPBUS = ΣNGLPBZZ |
| NGLPP | Natural gas consumed as lease and plant fuel. | Million cubic feet | NGLPPZZ = NGLEPZZ + NGPLPZZ<br>NGLPPUS = ΣNGLPPZZ |
| NGPLP | Natural gas consumed as plant fuel. | Million cubic feet | NGPLPZZ is independent.<br>NGPLPUS = ΣNGPLPZZ |
| NGPZB | Natural gas consumed as pipeline fuel. | Billion Btu | NGPZBZZ = NGPZPZZ * NGTXKZZ<br>NGPZBUS = ΣNGPZBZZ |
| NGPZP | Natural gas consumed as pipeline fuel. | Million cubic feet | NGPZPZZ is independent.<br>NGPZPUS = ΣNGPZPZZ |
| NGRCB | Natural gas delivered to the residential sector, used as consumption (including supplemental gaseous fuels). | Billion Btu | NGRCBZZ = NGRCPZZ * NGTXKZZ<br>NGRCBUS = ΣNGRCBZZ |
| NGRCP | Natural gas delivered to the residential sector, used as consumption (including supplemental gaseous fuels). | Million cubic feet | NGRCPZZ is independent.<br>NGRCPUS = ΣNGRCPZZ |
| NGSFP | Supplemental gaseous fuels supplies. | Million cubic feet | NGSFPZZ is independent.<br>NGSFPUS = ΣNGSFPZZ |
| NGTCB | Natural gas total consumed (including supplemental gaseous fuels). | Billion Btu | NGTCBZZ = NGTCPZZ * NGTCKZZ<br>NGTCBUS = ΣNGTCBZZ |
| NGTCK | Factor for converting natural gas total consumed from physical units to Btu. | Thousand Btu per cubic foot | NGTCKZZ is independent.<br>NGTCKUS = NGTCBUS / NGTCPUS |
| NGTCP | Natural gas total consumed (including supplemental gaseous fuels). | Million cubic feet | NGTCPZZ = NGRCPZZ + NGCCPZZ + NGICPZZ + NGACPZZ + NGEIPZZ |

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| | | | NGTCPUS = ΣNGTCPZZ |
| NGTXB | Natural gas total end-use consumption (including supplemental gaseous fuels). | Billion Btu | NGTXBZZ = NGACBZZ + NGCCBZZ + NGICBZZ + NGRCBZZ<br>NGTXBUS = ΣNGTXBZZ |
| NGTXK | Factor for converting natural gas consumed by all sectors other than the electric utility sector from physical units to Btu. | Thousand Btu per cubic foot | NGTXKZZ = (NGTCBZZ – NGEIBZZ) / (NGTCPZZ – NGEIPZZ)<br>NGTXKUS = (NGTCBUS – NGEIBUS) / (NGTCPUS – NGEIPUS) |
| NGTXP | Natural gas total end-use consumption (including supplemental gaseous fuels). | Million cubic feet | NGTXPZZ = NGACPZZ + NGCCPZZ + NGICPZZ + NGRCPZZ<br>NGTXPUS = ΣNGTXPZZ |
| NGTZP | Natural gas consumed in sectors that have supplemental gaseous fuels commingled with natural gas. | Million cubic feet | NGTZPZZ = NGCCPZZ + NGRCPZZ + NGINPZZ + NGEIPZZ<br>NGTZPUS = ΣNGTZPZZ |
| NGVHB | Natural gas consumed as vehicle fuel. | Billion Btu | NGVHBZZ = NGVHPZZ * NGTXKZZ<br>NGVHBUS = ΣNGVHBZZ |
| NGVHP | Natural gas consumed as vehicle fuel. | Million cubic feet | NGVHPZZ is independent.<br>NGVHPUS = ΣNGVHPZZ |
| NNACB | Natural gas consumed by the transportation sector. | Billion Btu | NNACBZZ = NGACBZZ<br>NNACBUS = ΣNNACBZZ |
| NNCCB | Natural gas consumed by the commercial sector (excluding supplemental gaseous fuels). | Billion Btu | NNCCBZZ = NGCCBZZ – SFCCBZZ<br>NNCCBUS = ΣNNCCBZZ |
| NNEIB | Natural gas consumed by the electric power sector (excluding supplemental gaseous fuels). | Billion Btu | NNEIBZZ = NGEIBZZ – SFEIBZZ<br>NNEIBUS = ΣNNEIBZZ |
| NNICB | Natural gas consumed by the industrial sector (excluding supplemental gaseous fuels). | Billion Btu | NNICBZZ = NGICBZZ – SFINBZZ<br>NNICBUS = ΣNNICBZZ |
| NNRCB | Natural gas consumed by the residential sector (excluding supplemental gaseous fuels). | Billion Btu | NNRCBZZ = NGRCBZZ – SFRCBZZ<br>NNRCBUS = ΣNNRCBZZ |
| NNTCB | Natural gas total consumed (excluding supplemental gaseous fuels). | Billion Btu | NNTCBZZ = NGTCBZZ – SFTCBZZ<br>NNTCBUS = ΣNNTCBZZ |
| NUEGB | Electricity produced from nuclear power in the electric power sector. | Billion Btu | NUEGBZZ = NUEGPZZ * NUETKUS<br>NUEGBUS = ΣNUEGBZZ |

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| NUEGP | Electricity produced from nuclear power in the electric power sector. | Million kilowatthours | NUEGPZZ is independent.<br>NUEGPUS = ΣNUEGPZZ |
| NUETB | Electricity total produced from nuclear power. | Billion Btu | NUETBZZ = NUEGBZZ<br>NUETBUS = ΣNUETBZZ |
| NUETKUS | Factor for converting electricity produced from nuclear power from physical units to Btu. | Thousand Btu per kilowatthour | NUETKUS is independent. |
| NUETP | Electricity total produced from nuclear power. | Million kilowatthours | NUETPZZ = NUEGPZZ<br>NUETPUS = ΣNUETPZZ |
| OCVAV | Value of shipments or value added in manufacture of industrial organic chemicals. | Million dollars | OCVAVZZ is independent.<br>OCVAVUS = ΣOCVAVZZ |
| P1ICB | Asphalt and road oil, kerosene, lubricants, and "other petroleum products" consumed by the industrial sector. | Billion Btu | P1ICBZZ = ARICBZZ + KSICBZZ + LUICBZZ + POICBZZ<br>P1ICBUS = ΣP1ICBZZ |
| P1ICP | Asphalt and road oil, kerosene, lubricants, and "other petroleum products" consumed by the industrial sector. | Thousand barrels | P1ICPZZ = ARICPZZ + KSICPZZ + LUICPZZ + POICPZZ<br>P1ICPUS = ΣP1ICPZZ |
| P1TCB | Asphalt and road oil, aviation gasoline, kerosene, lubricants, and "other petroleum products" total consumed. | Billion Btu | P1TCBZZ = ARTCBZZ + AVTCBZZ + KSTCBZZ + LUTCBZZ + POTCBZZ<br>P1TCBUS = ΣP1TCBZZ |
| P1TCP | Asphalt and road oil, aviation gasoline, kerosene, lubricants, and "other petroleum products" total consumed. | Thousand barrels | P1TCPZZ = ARTCPZZ + AVTCPZZ + KSTCPZZ + LUTCPZZ + POTCPZZ<br>P1TCPUS = ΣP1TCPZZ |
| P1TXB | Asphalt and road oil, aviation gasoline, kerosene, lubricants, and “other petroleum products” total end-use consumption. | Billion Btu | P1TXBZZ = ARTXBZZ + AVTXBZZ + KSTXBZZ + LUTXBZZ + POTXBZZ<br>P1TXBUS = ΣP1TXBZZ |
| P1TXP | Asphalt and road oil, aviation gasoline, kerosene, lubricants, and “other petroleum products” total end-use consumption. | Thousand barrels | P1TXPZZ = ARTXPZZ + AVTXPZZ + KSTXPZZ + LUTXPZZ + POTXPZZ<br>P1TXPUS = ΣP1TXPZZ |
| PAACB | All petroleum products consumed by the transportation sector. | Billion Btu | PAACBZZ = AVACBZZ + DFACBZZ + JKACBZZ + JNACBZZ + LGACBZZ + LUACBZZ + MGACBZZ + RFACBZZ<br>PAACBUS = ΣPAACBZZ |

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| PAACKUS | Factor for converting all petroleum products consumed by the transportation sector from physical units to Btu. | Million Btu per barrel | PAACKUS = PAACBUS / PAACPUS |
| PAACP | All petroleum products consumed by the transportation sector. | Thousand barrels | PAACPZZ = AVACPZZ + DFACPZZ + JKACPZZ + JNACPZZ + LGACPZZ + LUACPZZ + MGACPZZ + RFACPZZ<br>PAACPUS = ΣPAACPZZ |
| PACCB | All petroleum products consumed by the commercial sector. | Billion Btu | PACCBZZ = DFCCBZZ + KSCCBZZ + LGCCBZZ + MGCCBZZ + PCCCBZZ + RFCCBZZ<br>PACCBUS = ΣPACCBZZ |
| PACCKUS | Factor for converting all petroleum products consumed by the commercial sector from physical units to Btu. | Million Btu per barrel | PACCKUS = PACCBUS / PACCPUS |
| PACCP | All petroleum products consumed by the commercial sector. | Thousand barrels | PACCPZZ = DFCCPZZ + KSCCPZZ + LGCCPZZ + MGCCPZZ + PCCCPZZ + RFCCPZZ<br>PACCPUS = ΣPACCPZZ |
| PAEIB | All petroleum products consumed by the electric power sector. | Billion Btu | PAEIBZZ = DFEIBZZ + JKEUBZZ + PCEIBZZ + RFEIBZZ<br>PAEIBUS = ΣPAEIBZZ |
| PAEIKUS | Factor for converting all petroleum products consumed by the electric power sector from physical units to Btu. | Million Btu per barrel | PAEIKUS = PAEIBUS / PAEIPUS |
| PAEIP | All petroleum products consumed by the electric power sector. | Thousand barrels | PAEIPZZ = DFEIPZZ + JKEUPZZ + PCEIPZZ + RFEIPZZ<br>PAEIPUS = ΣPAEIPZZ |
| PAHCBUS | All petroleum products consumed by the residential and commercial sectors combined. | Billion Btu | PAHCBUS = PARCBUS + PACCBUS |
| PAHCKUS | Factor for converting all petroleum products consumed by the residential and commercial sectors combined from physical units to Btu. | Million Btu per barrel | PAHCKUS = PAHCBUS / PAHCPUS |
| PAHCPUS | All petroleum products consumed by the residential and commercial sectors combined. | Thousand barrels | PAHCPUS = PARCPUS + PACCPUS |
| PAICB | All petroleum products consumed by the industrial sector. | Billion Btu | PAICBZZ = ARICBZZ + DFICBZZ + KSICBZZ + LGICBZZ + LUICBZZ + MGICBZZ + RFICBZZ + POICBZZ<br>PAICBUS = ΣPAICBZZ |

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| PAICKUS | Factor for converting all petroleum products consumed by the industrial sector from physical units to Btu. | Million Btu per barrel | PAICKUS = PAICBUS / PAICPUS |
| PAICP | All petroleum products consumed by the industrial sector. | Thousand barrels | PAICPZZ = ARICPZZ + DFICPZZ + KSICPZZ + LGICPZZ + LUICPZZ + MGICPZZ + RFICPZZ + POICPZZ<br>PAICPUS = ΣPAICPZZ |
| PARCB | All petroleum products consumed by the residential sector. | Billion Btu | PARCBZZ = DFRCBZZ + KSRCBZZ + LGRCBZZ<br>PARCBUS = ΣPARCBZZ |
| PARCKUS | Factor for converting all petroleum products consumed by the residential sector from physical units to Btu. | Million Btu per barrel | PARCKUS = PARCBUS / PARCPUS |
| PARCP | All petroleum products consumed by the residential sector. | Thousand barrels | PARCPZZ = DFRCPZZ + KSRCPZZ + LGRCPZZ<br>PARCPUS = ΣPARCPZZ |
| PATCB | All petroleum products consumed by all sectors. | Billion Btu | PATCBZZ = ARTCBZZ + AVTCBZZ + DFTCBZZ + JKTCBZZ + JNTCBZZ + KSTCBZZ + LGTCBZZ + LUTCBZZ + MGTCBZZ + RFTCBZZ + POTCBZZ<br>PATCBUS = ΣPATCBZZ |
| PATCKUS | Factor for converting all petroleum products consumed by all sectors from physical units to Btu. | Million Btu per barrel | PATCKUS = PATCBUS / PATCPUS |
| PATCP | All petroleum products consumed by all sectors. | Thousand barrels | PATCPZZ = ARTCPZZ + AVTCPZZ + DFTCPZZ + JKTCPZZ + JNTCPZZ + KSTCPZZ + LGTCPZZ + LUTCPZZ + MGTCPZZ + RFTCPZZ + POTCPZZ<br>PATCPUS = ΣPATCPZZ |
| PATXB | All petroleum products total end-use consumption. | Billion Btu | PATXBZZ = ARTXBZZ + AVTXBZZ + KSTXBZZ + LUTXBZZ + POTXBZZ + DFTXBZZ + JFTXBZZ + LGTXBZZ + MGTXBZZ + RFTXBZZ<br>PATXBUS = ΣPATXBZZ |
| PATXP | All petroleum products total end-use consumption. | Thousand barrels | PATXPZZ = ARTXPZZ + AVTXPZZ + KSTXPZZ + LUTXPZZ + POTXPZZ + DFTXPZZ + JFTXPZZ + LGTXPZZ + MGTXPZZ + RFTXPZZ<br>PATXPUS = ΣPATXPZZ |

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| PCC3M | Petroleum coke consumed for combined heat and power in the commercial sector. | Thousand tons | PCC3MZZ is independent.<br>PCC3MUS = ΣPCC3MZZ |
| PCCCB | Petroleum coke consumed for combined heat and power in the commercial sector. | Billion Btu | PCCCBZZ = PCCCPZZ * 6.024<br>PCCCBUS = ΣPCCCBZZ |
| PCCCP | Petroleum coke consumed for combined heat and power in the commercial sector. | Thousand barrels | PCCCPZZ = PCC3MZZ * 5<br>PCCCPUS = ΣPCCCPZZ |
| PCEIB | Petroleum coke consumed by the electric power sector. | Billion Btu | PCEIBZZ = PCEIPZZ * 6.024<br>PCEIBUS = ΣPCEIBZZ |
| PCEIM | Petroleum coke consumed by the electric power sector. | Thousand tons | PCEIMZZ is independent.<br>PCEIMUS = ΣPCEIMZZ |
| PCEIP | Petroleum coke consumed by the electric power sector. | Thousand barrels | PCEIPZZ = PCEIMZZ * 5<br>PCEIPUS = ΣPCEIPZZ |
| PCI3B | Petroleum coke consumed for combined heat and power in the industrial sector. | Billion Btu | PCI3BZZ = PCI3PZZ * 6.024<br>PCI3BUS = ΣPCI3BZZ |
| PCI3M | Petroleum coke consumed for combined heat and power in the industrial sector. | Thousand tons | PCI3MZZ is independent.<br>PCI3MUS = ΣPCI3MZZ |
| PCI3P | Petroleum coke consumed for combined heat and power in the industrial sector. | Thousand barrels | PCI3PZZ = PCI3MZZ * 5<br>PCI3PUS = ΣPCI3PZZ |
| PCICB | Petroleum coke consumed in the industrial sector. | Billion Btu | PCICBZZ = PCICPZZ * 6.024<br>PCICBUS = ΣPCICBZZ |
| PCICP | Petroleum coke consumed in the industrial sector. | Thousand barrels | PCICPZZ = PCI3PZZ + PCRFPZZ + PCOCPZZ<br>PCICPUS = PCTCPUS – PCEIPUS – PCCCPUS |
| PCOCB | Petroleum coke consumed in the industrial sector other than for refinery use and combined heat and power. | Billion Btu | PCOCBZZ = PCOCPZZ * 6.024<br>PCOCBUS = ΣPCOCBZZ |
| PCOCP | Petroleum coke consumed in the industrial sector other than for refinery use and combined heat and power. | Thousand barrels | PCOCPZZ = (AICAPZZ / AICAPUS) * PCOCPUS<br>PCOCPUS = PCICPUS – PCI3PUS – PCRFPUS |
| PCRFB | Petroleum coke used at refineries as both catalytic and marketable coke. | Billion Btu | PCRFBZZ = PCRFPZZ * 6.024<br>PCRFBUS = ΣPCRFBZZ |
| PCRFP | Petroleum coke used at refineries as both catalytic and marketable coke. | Thousand barrels | PCRFPZZ = (CTCAPZZ / CTCAPGZ) * PCRFPGZ or<br>(CTCAPZZ / CTCAPPZ) * PCRFPPZ or |

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| | | | is independent.<br>PCRFPUS is independent. |
| PCTCB | Petroleum coke total consumed. | Billion Btu | PCTCBZZ = PCCCBZZ + PCICBZZ + PCEIBZZ<br>PCTCBUS = ΣPCTCBZZ |
| PCTCP | Petroleum coke total consumed. | Thousand barrels | PCTCPZZ = PCCCPZZ + PCICPZZ + PCEIPZZ<br>PCTCPUS is independent. |
| PIVAV | Value of shipments or value added in the manufacture of paints and allied products. | Million dollars | PIVAVZZ is independent.<br>PIVAVUS = ΣPIVAVZZ |
| PLICB | Plant condensate consumed by the industrial sector. | Billion Btu | PLICBZZ = PLTCBZZ<br>PLICBUS = PLTCBUS |
| PLICP | Plant condensate consumed by the industrial sector. | Thousand barrels | PLICPZZ = PLTCPZZ<br>PLICPUS = PLTCPUS |
| PLTCB | Plant condensate total consumed. | Billion Btu | PLTCBZZ = PLTCPZZ * 5.418<br>PLTCBUS = ΣPLTCBZZ |
| PLTCP | Plant condensate total consumed. | Thousand barrels | PLTCPZZ = (OCVAVZZ / OCVAVUS) * PLTCPUS<br>PLTCPUS is independent. |
| PMTCB | All petroleum products consumed by all sectors, excluding fuel ethanol blended into motor gasoline. | Billion Btu | PMTCBZZ = PATCBZZ - ENTCBZZ<br>PMTCBUS = PATCBUS - ENTCBUS |
| POICB | Other petroleum products consumed by the industrial sector. | Billion Btu | POICBZZ = ABICBZZ + COICBZZ + FNICBZZ + FOICBZZ + FSICBZZ + MBICBZZ + MSICBZZ + NAICBZZ + PCICBZZ + PLICBZZ + PPICBZZ + SGICBZZ + SNICBZZ + UOICBZZ + USICBZZ + WXICBZZ<br>POICBUS = ΣPOICBZZ |
| POICP | Other petroleum products consumed by the industrial sector. | Thousand barrels | POICPZZ = ABICPZZ + COICPZZ + FNICPZZ + FOICPZZ + FSICPZZ + MBICPZZ + MSICPZZ + NAICPZZ + PCICPZZ + PLICPZZ + PPICPZZ + SGICPZZ + SNICPZZ + UOICPZZ + USICPZZ + WXICPZZ<br>POICPUS = ΣPOICPZZ |
| POTCB | Other petroleum products total consumed. | Billion Btu | POTCBZZ = ABTCBZZ + COTCBZZ + FNTCBZZ + FOTCBZZ + FSTCBZZ + MBTCBZZ + MSTCBZZ + NATCBZZ + |

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| | | | PCTCBZZ + PLTCBZZ + PPTCBZZ + SGTCBZZ + SNTCBZZ + UOTCBZZ + USTCBZZ + WXTCBZZ<br>POTCBUS = ΣPOTCBZZ |
| POTCP | Other petroleum products total consumed. | Thousand barrels | POTCPZZ = ABTCPZZ + COTCPZZ + FNTCPZZ + FOTCPZZ + FSTCPZZ + MBTCPZZ + MSTCPZZ + NATCPZZ + PCTCPZZ + PLTCPZZ + PPTCPZZ + SGTCPZZ + SNTCPZZ + UOTCPZZ + USTCPZZ + WXTCPZZ<br>POTCPUS = ΣPOTCPZZ |
| POTXB | Other petroleum products total end-use consumption. | Billion Btu | POTXBZZ = POICBZZ + PCCCBZZ<br>POTXBUS = ΣPOTXBZZ |
| POTXP | Other petroleum products total end-use consumption. | Thousand barrels | POTXPZZ = POICPZZ + PCCCPZZ<br>POTXPUS = ΣPOTXPZZ |
| PPICB | Pentanes plus consumed by the industrial sector. | Billion Btu | PPICBZZ = PPTCBZZ<br>PPICBUS = PPTCBUS |
| PPICP | Pentanes plus consumed by the industrial sector. | Thousand barrels | PPICPZZ = PPTCPZZ<br>PPICPUS = PPTCPUS |
| PPTCB | Pentanes plus total consumed. | Billion Btu | PPTCBZZ = PPTCPZZ * 4.620<br>PPTCBUS = ΣPPTCBZZ |
| PPTCP | Pentanes plus total consumed. | Thousand barrels | PPTCPZZ = (OCVAVZZ / OCVAVUS) * PPTCPUS<br>PPTCPUS is independent. |
| RDICP | Road oil consumed by the industrial sector. | Thousand barrels | RDICPZZ = (RDINPZZ / RDINPUS) * RDTCPUS<br>RDICPUS = ΣRDICPZZ |
| RDINP | Road oil sold to the industrial sector. | Short tons | RDINPZZ is independent.<br>RDINPUS = ΣRDINPZZ |
| RDTCP | Road oil total consumed. | Thousand barrels | RDTCPZZ = RDICPZZ<br>RDTCPUS is independent. |
| REACB | Renewable energy sources consumed by the transportation sector. | Billion Btu | REACBZZ = EMACBZZ<br>REACBUS = EMACBUS |
| RECCB | Renewable energy sources consumed by the commercial sector. | Billion Btu | RECCBZZ = EMCCBZZ + GECCBZZ + HYCCBZZ + WWCCBZZ |

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| | | | RECCBUS = EMCCBUS + GECCBUS + HYCCBUS + WWCCBUS |
| REEIB | Renewable energy sources consumed by the electric power sector. | Billion Btu | REEIBZZ = HYEGBZZ + GEEGBZZ + SOEGBZZ+ WWEIBZZ + WYEGBZZ<br>REEIBUS = HYEGBUS + GEEGBUS + SOEGBUS+ WWEIBUS + WYEGBUS |
| REICB | Renewable energy sources consumed by the industrial sector. | Billion Btu | REICBZZ = EMICBZZ + EMLCBZZ + GEICBZZ + HYICBZZ + WWICBZZ<br>REICBUS = EMICBUS + EMLCBUS + GEICBUS + HYICBUS + WWICBUS |
| RERCB | Renewable energy sources consumed by the residential sector. | Billion Btu | RERCBZZ = WDRCBZZ + GERCBZZ + SOHCBZZ<br>RERCBUS = WDRCBUS + GERCBUS + SOHCBUS |
| RETCB | Renewable energy sources total consumed. | Billion Btu | RETCBZZ = RERCBZZ + RECCBZZ + REICBZZ + REACBZZ + REEIBZZ<br>RETCBUS = RERCBUS + RECCBUS + REICBUS + REACBUS + REEIBUS |
| RFACB | Residual fuel oil consumed by the transportation sector. | Billion Btu | RFACBZZ = RFACPZZ * 6.287<br>RFACBUS = ΣRFACBZZ |
| RFACP | Residual fuel oil consumed by the transportation sector. | Thousand barrels | RFACPZZ = (RFTRPZZ / RFNDPZZ) * RFNCPZZ<br>RFACPUS = ΣRFACPZZ |
| RFBKP | Residual fuel oil sold for vessel bunkering use, excluding deliveries to the Armed Forces. | Thousand barrels | RFBKPZZ is independent.<br>RFBKPUS = ΣRFBKPZZ |
| RFCCB | Residual fuel oil consumed by the commercial sector. | Billion Btu | RFCCBZZ = RFCCPZZ * 6.287<br>RFCCBUS = ΣRFCCBZZ |
| RFCCP | Residual fuel oil consumed by the commercial sector. | Thousand barrels | RFCCPZZ = (RFCMPZZ / RFNDPZZ) * RFNCPZZ<br>RFCCPUS = ΣRFCCPZZ |
| RFCMP | Residual fuel oil sold to the commercial sector. | Thousand barrels | RFCMPZZ is independent.<br>RFCMPUS = ΣRFCMPZZ |
| RFEIB | Residual fuel oil consumed by the electric power sector. | Billion Btu | RFEIBZZ = RFEIPZZ * 6.287<br>RFEIBUS = ΣRFEIBZZ |
| RFEIP | Residual fuel oil consumed by the electric power sector. | Thousand barrels | RFEIPZZ is independent.<br>RFEIPUS = ΣRFEIPZZ |
| RFIBP | A portion of residual fuel oil sold for industrial use, including industrial space heating. | Thousand barrels | RFIBPZZ is independent.<br>RFIBPUS = ΣRFIBPZZ |

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| RFICB | Residual fuel oil consumed by the industrial sector. | Billion Btu | RFICBZZ = RFICPZZ * 6.287<br>RFICBUS = ΣRFICBZZ |
| RFICP | Residual fuel oil consumed by the industrial sector. | Thousand barrels | RFICPZZ = (RFINPZZ / RFNDPZZ) * RFNCPZZ<br>RFICPUS = ΣRFICPZZ |
| RFINP | Residual fuel oil sold to the industrial sector. | Thousand barrels | RFINPZZ = RFIBPZZ + RFOCPZZ + RFMSPZZ<br>RFINPUS = ΣRFINPZZ |
| RFMIP | Residual fuel oil sold to the Armed Forces, regardless of use. | Thousand barrels | RFMIPZZ is independent.<br>RFMIPUS = ΣRFMIPZZ |
| RFMSP | Residual fuel oil sold for miscellaneous uses. | Thousand barrels | RFMSPZZ is independent.<br>RFMSPUS = ΣRFMSPZZ |
| RFNCP | Residual fuel oil consumption by all sectors other than the electric utility sector. | Thousand barrels | RFNCPZZ = (RFNDPZZ / RFNDPUS) * RFNCPUS<br>RFNCPUS = RFTCPUS – RFEIPUS |
| RFNDP | Residual fuel oil sold to all sectors other than the electric utility sector. | Thousand barrels | RFNDPZZ = RFCMPZZ + RFINPZZ + RFTRPZZ<br>RFNDPUS = ΣRFNDPZZ |
| RFOCP | Residual fuel oil sold for use by oil companies. | Thousand barrels | RFOCPZZ is independent.<br>RFOCPUS = ΣRFOCPZZ |
| RFRRP | Residual fuel oil sold for use by railroads. | Thousand barrels | RFRRPZZ is independent.<br>RFRRPUS = ΣRFRRPZZ |
| RFTCB | Residual fuel oil total consumed. | Billion Btu | RFTCBZZ = RFCCBZZ + RFICBZZ + RFACBZZ + RFEIBZZ<br>RFTCBUS = ΣRFTCBZZ |
| RFTCP | Residual fuel oil total consumed. | Thousand barrels | RFTCPZZ = RFNCPZZ + RFEIPZZ<br>RFTCPUS is independent. |
| RFTRP | Residual fuel oil sold to the transportation sector. | Thousand barrels | RFTRPZZ = RFBKPZZ + RFMIPZZ + RFRRPZZ<br>RFTRPUS = SRFTRPZZ |
| RFTXB | Residual fuel oil total end-use consumption. | Billion Btu | RFTXBZZ = RFACBZZ + RFCCBZZ + RFICBZZ<br>RFTXBUS = ΣRFTXBZZ |
| RFTXP | Residual fuel oil total end-use consumption. | Thousand barrels | RFTXPZZ = RFACPZZ + RFCCPZZ + RFICPZZ<br>RFTXPUS = ΣRFTXPZZ |

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| SFCCB | Supplemental gaseous fuels consumed by the commercial sector. | Billion Btu | SFCCBZZ = SFCCPZZ * NGTXKZZ<br>SFCCBUS = ΣSFCCBZZ |
| SFCCP | Supplemental gasesous fuels consumed by the commercial sector. | Million cubic feet | SFCCPZZ = NGSFPZZ * (NGCCPZZ / NGTZPZZ)<br>SFCCPUS = ΣSFCCPZZ |
| SFEIB | Supplemental gaseous fuels consumed by the electric power sector. | Billion Btu | SFEIBZZ = SFEIPZZ * NGEIKZZ<br>SFEIBUS = ΣSFEIBZZ |
| SFEIP | Supplemental gaseous fuels consumed by the electric power sector. | Million cubic feet | SFEIPZZ = NGSFPZZ * (NGEIPZZ / NGTZPZZ)<br>SFEIPUS = ΣSFEIPZZ |
| SFINB | Supplemental gaseous fuels consumed by the industrial sector. | Billion Btu | SFINBZZ = SFINPZZ * NGTXKZZ<br>SFINBUS = ΣSFINBZZ |
| SFINP | Supplemental gaseous fuels consumed by the industrial sector. | Million cubic feet | SFINPZZ = NGSFPZZ * (NGINPZZ / NGTZPZZ)<br>SFINPUS = ΣSFINPZZ |
| SFRCB | Supplemental gaseous fuels consumed by the residential sector. | Billion Btu | SFRCBZZ = SFRCPZZ * NGTXKZZ<br>SFRCBUS = ΣSFRCBZZ |
| SFRCP | Supplemental gaseous fuels consumed by the residential sector. | Million cubic feet | SFRCPZZ = NGSFPZZ * (NGRCPZZ / NGTZPZZ)<br>SFRCPUS = ΣSFRCPZZ |
| SFTCB | Supplemental gaseous fuels total consumed. | Billion Btu | SFTCBZZ = SFCCBZZ + SFINBZZ + SFRCBZZ + SFEIBZZ<br>SFTCBUS = ΣSFTCBZZ |
| SFTCP | Supplemental gaseous fuels total consumed. | Million cubic feet | SFTCPZZ = SFCCPZZ + SFINPZZ + SFRCPZZ + SFEIPZZ<br>SFTCPUS = ΣSFTCPZZ |
| SGICB | Still gas consumed by the industrial sector. | Billion Btu | SGICBZZ = SGTCBZZ<br>SGICBUS = SGTCBUS |
| SGICP | Still gas consumed by the industrial sector. | Thousand barrels | SGICPZZ = SGTCPZZ<br>SGICPUS = SGTCPUS |
| SGTCB | Still gas total consumed. | Billion Btu | SGTCBZZ = SGTCPZZ * 6.000<br>SGTCBUS = ΣSGTCBZZ |
| SGTCP | Still gas total consumed. | Thousand barrels | SGTCPZZ = (COCAPZZ / COCAPUS) * SGTCPUS<br>SGTCPUS is independent. |
| SNICB | Special naphthas consumed by the industrial sector. | Billion Btu | SNICBZZ = SNTCBZZ<br>SNICBUS = SNTCBUS |

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| SNICP | Special naphthas consumed by the industrial sector. | Thousand barrels | SNICPZZ = SNTCPZZ<br>SNICPUS = SNTCPUS |
| SNTCB | Special naphthas total consumed. | Billion Btu | SNTCBZZ = SNTCPZZ * 5.248<br>SNTCBUS = ΣSNTCBZZ |
| SNTCP | Special naphthas total consumed. | Thousand barrels | SNTCPZZ = (PIVAVZZ / PIVAVUS) * SNTCPUS<br>SNTCPUS is independent. |
| SOEGB | Electricity produced from photovoltaic and solar thermal energy by electric power sector. | Billion Btu | SOEGBZZ = SOEGPZZ * FFETKUS<br>SOEGBUS = ΣSOEGBZZ |
| SOEGP | Electricity produced from photovoltaic and solar thermal energy by electric power sector. | Million kilowatthours | SOEGPZZ is independent.<br>SOEGPUS = ΣSOEGPZZ |
| SOHCB | Solar thermal energy consumed by the residential and commercial sectors. | Billion Btu | SOHCBZZ = (SOTTPZZ / SOTTPUS) * SOHCBUS<br>SOHCBUS is independent. |
| SOTCB | Photovoltaic and solar thermal energy sources total consumed. | Billion Btu | SOTCBZZ = SOHCBZZ + SOEGBZZ<br>SOTCBUS = ΣSOTCBZZ |
| SOTTP | Shipments of solar thermal collectors. | Square feet | SOTTPZZ is independent.<br>SOTTPUS = ΣSOTTPZZ |
| SOTXB | Photovoltaic and solar thermal energy total end-use consumption. | Billion Btu | SOTXBZZ = SOHCBZZ<br>SOTXBUS = ΣSOTXBZZ |
| TEACB | Total energy consumed by the transportation sector. | Billion Btu | TEACBZZ = CLACBZZ + NGACBZZ + PAACBZZ + ESACBZZ + LOACBZZ<br>TEACBUS = CLACBUS + NGACBUS + PAACBUS + ESACBUS + LOACBUS |
| TEAPB | The transportation sector's energy consumption per capita. | Million Btu | TEAPBZZ = TEACBZZ / TPOPPZZ<br>TEAPBUS = TEACBUS / TPOPPUS |
| TECCB | Total energy consumed by the commercial sector. | Billion Btu | TECCBZZ = CLCCBZZ + NGCCBZZ + PACCBZZ + HYCCBZZ + WWCCBZZ + GECCBZZ + ESCCBZZ + LOCCBZZ - SFCCBZZ<br>TECCBUS = CLCCBUS + NGCCBUS + PACCBUS + HYCCBUS + WWCCBUS + GECCBUS + ESCCBUS + LOCCBUS - SFCCBUS |
| TECPB | The commercial sector's energy consumption per capita. | Million Btu | TECPBZZ = TECCBZZ / TPOPPZZ<br>TECPBUS = TECCBUS / TPOPPUS |
| TEEIB | Total energy consumed by the electric power sector plus net imports of electricity into the | Billion Btu | TEEIBZZ = CLEIBZZ + NGEIBZZ + PAEIBZZ + HYEGBZZ + NUEGBZZ + GEEGBZZ + |

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| | United States. | | WWEIBZZ + SOEGBZZ+ WYEGBZZ + ELNIBZZ - SFEIBZZ<br>TEEIBUS = ΣTEEIBZZ |
| TEICB | Total energy consumed by the industrial sector. | Billion Btu | TEICBZZ = CLICBZZ + NGICBZZ + PAICBZZ + HYICBZZ + WWICBZZ + GEICBZZ + ESICBZZ + LOICBZZ + EMLCBZZ - SFINBZZ<br>TEICBUS = CLICBUS + CCNIBUS + NGICBUS + PAICBUS + HYICBUS + WWICBUS + GEICBUS + ESICBUS + LOICBUS + EMLCBUS - SFINBUS |
| TEIPB | The industrial sector's energy consumption per capita. | Million Btu | TEIPBZZ = TEICBZZ / TPOPPZZ<br>TEIPBUS = TEICBUS / TPOPPUS |
| TERCB | Total energy consumed by the residential sector. | Billion Btu | TERCBZZ = CLRCBZZ + NGRCBZZ + PARCBZZ + WDRCBZZ + GERCBZZ + SOHCBZZ + ESRCBZZ + LORCBZZ - SFRCBZZ<br>TERCBUS = CLRCBUS + NGRCBUS + PARCBUS + WDRCBUS + GERCBUS + SOHCBUS + ESRCBUS + LORCBUS - SFRCBUS |
| TERPB | The residential sector's energy consumption per capita. | Million Btu | TERPBZZ = TERCBZZ / TPOPPZZ<br>TERPBUS = TERCBUS / TPOPPUS |
| TETCB | Total energy consumed. | Billion Btu | TETCBZZ = FFTCBZZ + NUETBZZ + RETCBZZ + ELNIBZZ + ELISBZZ<br>TETCBUS = FFTCBUS + NUETBUS + RETCBUS + ELNIBUS |
| TETGR | Total energy consumed per dollar of real gross domestic product. | Thousand Btu per chained (2000) dollar | TETGRZZ = TETCBZZ / GDPRXZZ<br>TETGRUS = TETCBUS / GDPRXUS |
| TETPB | Total energy consumption per capita. | Million Btu | TETPBZZ = TETCBZZ / TPOPPZZ<br>TETPBUS = TETCBUS / TPOPPUS |
| TETXB | Total end-use energy consumption. | Billion Btu | TETXBZZ = TEACBZZ + TECCBZZ + TEICBZZ + TERCBZZ<br>TETXBUS = ΣTETXBZZ |
| TNACB | Total net energy consumed by the transportation sector excluding the sector's share of electrical system energy losses. | Billion Btu | TNACBZZ = TEACBZZ – LOACBZZ<br>TNACBUS = TEACBUS – LOACBUS |

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| TNCCB | Total net energy consumed by the commercial sector excluding the sector's share of electrical system energy losses. | Billion Btu | TNCCBZZ = TECCBZZ – LOCCBZZ<br>TNCCBUS = TECCBUS – LOCCBUS |
| TNICB | Total net energy consumed by the industrial sector excluding the sector's share of electrical system energy losses. | Billion Btu | TNICBZZ = TEICBZZ – LOICBZZ<br>TNICBUS = TEICBUS – LOICBUS |
| TNRCB | Total net energy consumed by the residential sector excluding the sector's share of electrical system energy losses. | Billion Btu | TNRCBZZ = TERCBZZ – LORCBZZ<br>TNRCBUS = TERCBUS – LORCBUS |
| TNTXB | Total primary energy and electricity consumed by the end-use sectors. | Billion Btu | TNTXBZZ = TNACBZZ + TNCCBZZ + TNICBZZ + TNRCBZZ<br>TNTXBUS = ΣTNTXBZZ |
| TPOPP | The resident population including the Armed Forces residing in each State. | Thousand | TPOPPZZ is independent.<br>TPOPPUS is independent. |
| UOICB | Unfinished oils consumed by the industrial sector. | Billion Btu | UOICBZZ = UOTCBZZ<br>UOICBUS = UOTCBUS |
| UOICP | Unfinished oils consumed by the industrial sector. | Thousand barrels | UOICPZZ = UOTCPZZ<br>UOICPUS = UOTCPUS |
| UOTCB | Unfinished oils total consumed. | Billion Btu | UOTCBZZ = UOTCPZZ * 5.825<br>UOTCBUS = ΣUOTCBZZ |
| UOTCP | Unfinished oils total consumed. | Thousand barrels | UOTCPZZ = (COCAPZZ / COCAPUS) * UOTCPUS<br>UOTCPUS is independent. |
| USICB | Unfractionated stream consumed by the industrial sector. | Billion Btu | USICBZZ = USTCBZZ<br>USICBUS = USTCBUS |
| USICP | Unfractionated stream consumed by the industrial sector. | Thousand barrels | USICPZZ = USTCPZZ<br>USICPUS = USTCPUS |
| USTCB | Unfractionated stream total consumed. | Billion Btu | USTCBZZ = USTCPZZ * 5.418<br>USTCBUS = ΣUSTCBZZ |
| USTCP | Unfractionated stream total consumed. | Thousand barrels | USTCPZZ = (OCVAVZZ / OCVAVUS) * USTCPUS<br>USTCPUS is independent. |
| WDC3B | Wood consumed by CHP and electricity-only facilities in the commercial sector. | Billion Btu | WDC3BZZ is independent.<br>WDC3BUS = ΣWDC3BZZ |

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| WDC4B | Wood energy consumed for other uses in the commercial sector. | Billion Btu | WDC4BZZ = (WDRCPZZ / WDRCPUS) * WDC4BUS<br>WDC4BUS = WDCCBUS – WDC3BUS |
| WDCCB | Wood energy consumed by the commercial sector, total. | Billion Btu | WDCCBZZ = WDC3BZZ + WDC4BZZ<br>WDCCBUS is independent. |
| WDEIB | Wood consumed by the electric power sector. | Billion Btu | WDEIBZZ is independent.<br>WDEIBUS = ΣWDEIBZZ |
| WDI3B | Wood consumed by CHP and electricity-only facilities in the industrial sector. | Billion Btu | WDI3BZZ is independent.<br>WDI3BUS = ΣWDI3BZZ |
| WDI4B | Wood energy consumed for other uses in the industrial sector. | Billion Btu | WDI4BZZ is independent.<br>WDI4BUS = ΣWDI4BZZ |
| WDICB | Wood energy consumed by the industrial sector, total. | Billion Btu | WDICBZZ = WDI3BZZ + WDI4BZZ<br>WDICBUS = ΣWDICBZZ |
| WDRCB | Wood energy consumed by the residential sector. | Billion Btu | WDRCBZZ = WDRCPZZ * 20<br>WDRCBUS = ΣWDRCBZZ |
| WDRCP | Wood energy consumed by the residential sector. | Thousand cords | WDRCPZZ is independent.<br>WDRCPUS = ΣWDRCPZZ |
| WDTCB | Wood energy, total consumed. | Billion Btu | WDTCBZZ = WDRCBZZ + WDCCBZZ + WDICBZZ + WDEIBZZ<br>WDTCBUS = ΣWDTCBZZ |
| WSC3B | Waste consumed by CHP and electricity-only facilities in the commercial sector. | Billion Btu | WSC3BZZ is independent.<br>WSC3BUS = ΣWSC3BZZ |
| WSCCB | Waste consumed in the commercial sector, total. | Billion Btu | WSCCBZZ = WSC3BZZ<br>WSCCBUS = ΣWSCCBZZ |
| WSEIB | Waste consumed by the electric power sector. | Billion Btu | WSEIBZZ is independent.<br>WSEIBUS = ΣWSEIBZZ |
| WSI3B | Waste consumed by CHP and electricity-only facilities in the industrial sector. | Billion Btu | WSI3BZZ is independent.<br>WSI3BUS = ΣWSI3BZZ |
| WSI4B | Waste energy consumed for other uses in the industrial sector. | Billion Btu | WSI4BZZ is independent.<br>WSI4BUS = ΣWSI4BZZ |
| WSICB | Waste energy consumed by the industrial sector, total. | Billion Btu | WSICBZZ = WSI3BZZ + WSI4BZZ<br>WSICBUS = ΣWSICBZZ |

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| WSTCB | Waste energy, total consumed. | Billion Btu | WSTCBZZ = WSCCBZZ + WSICBZZ + WSEIBZZ<br>WSTCBUS = ΣWSTCBZZ |
| WWCCB | Wood and waste consumed in the commercial sector. | Billion Btu | WWCCBZZ = WDCCBZZ + WSCCBZZ<br>WWCCBUS = ΣWWCCBZZ |
| WWEIB | Wood and waste consumed by the electric power sector. | Billion Btu | WWEIBZZ = WDEIBZZ + WSEIBZZ<br>WWEIBUS = ΣWWEIBZZ |
| WWI4B | Wood and waste consumed in manufacturing processes in the industrial sector. | Billion Btu | WWI4BZZ = WDI4BZZ + WSI4BZZ<br>WWI4BUS = ΣWWI4BZZ |
| WWICB | Wood and waste consumed in the industrial sector, total. | Billion Btu | WWICBZZ = WDICBZZ + WSICBZZ<br>WWICBUS = ΣWWICBZZ |
| WWTCB | Wood and waste total consumed. | Billion Btu | WWTCBZZ = WDTCBZZ + WSTCBZZ<br>WWTCBUS = ΣWWTCBZZ |
| WXICB | Waxes consumed by the industrial sector. | Billion Btu | WXICBZZ = WXTCBZZ<br>WXICBUS = WXTCBUS |
| WXICP | Waxes consumed by the industrial sector. | Thousand barrels | WXICPZZ = WXTCPZZ<br>WXICPUS = WXTCPUS |
| WXTCB | Waxes total consumed. | Billion Btu | WXTCBZZ = WXTCPZZ * 5.537<br>WXTCBUS = ΣWXTCBZZ |
| WWTXB | Wood and waste total end-use consumption. | Billion Btu | WWTXBZZ = WDRCBZZ + WDCCBZZ + WDICBZZ + WSCCBZZ + WSICBZZ<br>WWTXBUS = ΣWWTXBZZ |
| WXTCP | Waxes total consumed. | Thousand barrels | WXTCPZZ = (CGVAVZZ / CGVAVUS) * WXTCPUS<br>WXTCPUS is independent. |
| WYEGB | Electricity produced from wind energy at electric power sector. | Billion Btu | WYEGBZZ = WYEGPZZ * FFETKUS<br>WYEGBUS = ΣWYEGBZZ |
| WYEGP | Electricity produced from wind energy at electric power sector. | Million kilowatthours | WYEGPZZ is independent.<br>WYEGPUS = ΣWYEGPZZ |
| WYTCB | Electricity produced from wind energy total produced. | Billion Btu | WYTCBZZ = WYEGBZZ<br>WYTCBUS = ΣWYTCBZZ |

Appendix B

# Thermal Conversion Factors

**Table B1. Approximate Heat Content of Petroleum and Heat Rates for Electricity, Selected Years, 1960-2009**

| | Petroleum Consumption | | | Electricity Net Generation | |
|---|---|---|---|---|---|
| | Liquefied Petroleum Gases (LGTCKUS) | Motor Gasoline (MGTCKUS) | Total Petroleum Products [a] (PATCKUS) | Fossil-Fueled Steam-Electric Plants [b] (FFETKUS) | Nuclear Steam-Electric Plants (NUETKUS) |
| Year | Million Btu per Barrel | | | Btu per Kilowatthour | |
| 1960 | 4.011 | 5.253 | 5.55503 | 10,760 | 11,629 |
| 1965 | 4.011 | 5.253 | 5.53200 | 10,453 | 11,804 |
| 1970 | 3.779 | 5.253 | 5.50317 | 10,494 | 10,977 |
| 1975 | 3.715 | 5.253 | 5.49427 | 10,406 | 11,013 |
| 1976 | 3.711 | 5.253 | 5.50448 | 10,373 | 11,047 |
| 1977 | 3.677 | 5.253 | 5.51825 | 10,435 | 10,769 |
| 1978 | 3.669 | 5.253 | 5.51865 | 10,361 | 10,941 |
| 1979 | 3.680 | 5.253 | 5.49383 | 10,353 | 10,879 |
| 1980 | 3.674 | 5.253 | 5.47933 | 10,388 | 10,908 |
| 1981 | 3.643 | 5.253 | 5.44818 | 10,453 | 11,030 |
| 1982 | 3.615 | 5.253 | 5.41514 | 10,454 | 11,073 |
| 1983 | 3.614 | 5.253 | 5.40567 | 10,520 | 10,905 |
| 1984 | 3.599 | 5.253 | 5.39530 | 10,440 | 10,843 |
| 1985 | 3.603 | 5.253 | 5.38744 | 10,447 | 10,622 |
| 1986 | 3.640 | 5.253 | 5.41832 | 10,446 | 10,579 |
| 1987 | 3.659 | 5.253 | 5.40281 | 10,419 | 10,442 |
| 1988 | 3.652 | 5.253 | 5.41017 | 10,324 | 10,602 |
| 1989 | 3.683 | 5.253 | 5.40967 | 10,432 | 10,583 |
| 1990 | 3.625 | 5.253 | 5.41084 | 10,402 | 10,582 |
| 1991 | 3.614 | 5.253 | 5.38408 | 10,436 | 10,484 |
| 1992 | 3.624 | 5.253 | 5.37773 | 10,342 | 10,471 |
| 1993 | 3.606 | 5.253 | 5.37911 | 10,309 | 10,504 |
| 1994 | 3.635 | [c] 5.230 | 5.36097 | 10,316 | 10,452 |
| 1995 | 3.623 | 5.215 | 5.34138 | 10,312 | 10,507 |
| 1996 | 3.613 | 5.216 | 5.33638 | 10,340 | 10,503 |
| 1997 | 3.616 | 5.213 | 5.33598 | 10,213 | 10,494 |
| 1998 | 3.614 | 5.212 | 5.34899 | 10,197 | 10,491 |
| 1999 | 3.616 | 5.211 | 5.32807 | 10,226 | 10,450 |
| 2000 | 3.607 | 5.210 | 5.32576 | 10,201 | 10,429 |
| 2001 | 3.614 | 5.210 | 5.34502 | 10,333 | 10,443 |
| 2002 | 3.613 | 5.208 | 5.32382 | 10,173 | 10,442 |
| 2003 | 3.629 | 5.207 | 5.34050 | 10,241 | 10,421 |
| 2004 | 3.618 | 5.215 | 5.34989 | 10,022 | 10,427 |
| 2005 | 3.620 | 5.218 | 5.36466 | 9,999 | 10,436 |
| 2006 | 3.605 | 5.218 | 5.35306 | 9,919 | 10,436 |
| 2007 | 3.591 | 5.219 | 5.34661 | 9,884 | 10,485 |
| 2008 | 3.600 | 5.218 | 5.33917 | 9,854 | 10,453 |
| 2009 | 3.558 | 5.218 | 5.30113 | 9,760 | 10,460 |

[a] This factor is not actually applied in SEDS but is displayed here for information.
[b] This factor is the average for electricity generated at U.S. fossil-fueled steam-electric plants. In SEDS, it is applied to convert hydroelectricity, electricity generated for distribution from geothermal, wind, photovoltaic, and solar thermal energy. Through 2000, it is also used as the thermal conversion factor for wood and waste electricity net generation at electric utilities; beginning in 2001, Btu data for wood and biomass waste consumed by the electric power sector are available from surveys.
[c] There is a discontinuity in this time series between 1993 and 1994; beginning in 1994, the single constant factor is replaced by a factor that is a quantity-weighted average of motor gasoline's major components.
Where shown, R = Revised data, NA = Not available.
Sources: See source listing at the end of this appendix.

## Table B2. Approximate Heat Content of Natural Gas Consumed by the Electric Power Sector, Selected Years, 1960-1998

(Thousand Btu per Cubic Foot)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.03500 | 1.03400 | 1.03100 | 1.03300 | 1.13300 | 1.09900 | 1.02904 | 1.02310 | 1.02760 | 1.02950 | 1.03302 |
| Alaska | – – | 1.01000 | 1.00500 | 1.00600 | 1.00600 | 1.00600 | 1.02703 | 1.00343 | 1.00233 | 1.00242 | 1.00268 |
| Arizona | 1.03500 | 1.07600 | 1.05900 | 1.07100 | 1.05700 | 1.05900 | 1.03061 | 1.02137 | 1.01496 | 1.01378 | 1.01415 |
| Arkansas | 1.03500 | 1.00100 | 1.00400 | 1.01100 | 1.02600 | 1.05500 | 1.01765 | 1.01913 | 1.02344 | 1.02498 | 1.01929 |
| California | 1.03500 | 1.07300 | 1.05400 | 1.06300 | 1.05200 | 1.05100 | 1.03205 | 1.02831 | 1.02584 | 1.02032 | 1.02304 |
| Colorado | 1.03500 | 0.91200 | 0.97400 | 0.99600 | 0.98100 | 0.98900 | 1.04148 | 1.06306 | 1.12266 | 1.04229 | 1.06423 |
| Connecticut | 1.03500 | 1.02200 | 1.01600 | 1.00500 | – – | 1.03100 | 1.03057 | 1.02147 | 1.02345 | 1.02248 | 1.02601 |
| Delaware | 1.03500 | 1.04300 | 1.02000 | 1.07300 | 1.04200 | 1.03800 | 1.07008 | 1.03206 | 1.03420 | 1.03452 | 0.97091 |
| District of Columbia | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Florida | 1.03500 | 1.03700 | 1.04100 | 1.00900 | 1.01500 | 1.01100 | 1.01308 | 1.01396 | 1.01127 | 1.04256 | 1.04912 |
| Georgia | 1.03500 | 1.04000 | 1.03100 | 1.02900 | 1.03500 | 1.02400 | 1.02411 | 1.02690 | 1.02431 | 1.00946 | 1.02606 |
| Hawaii | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Idaho | – – | – – | – – | 1.05300 | 1.03700 | 1.04900 | – – | – – | 1.03541 | 1.03499 | 1.03000 |
| Illinois | 1.03500 | 1.02900 | 1.02500 | 1.02900 | 1.02400 | 1.02700 | 1.02323 | 1.01663 | 1.01965 | 1.01557 | 1.01928 |
| Indiana | 1.03500 | 0.99900 | 1.00600 | 1.00000 | 1.00400 | 1.00500 | 1.00251 | 1.02040 | 1.01995 | 1.02040 | 1.01648 |
| Iowa | 1.03500 | 1.01000 | 1.00900 | 1.00800 | 1.00800 | 1.02100 | 1.01396 | 1.00934 | 1.00500 | 1.00831 | 1.01268 |
| Kansas | 1.03500 | 0.99500 | 0.99800 | 0.99100 | 0.96000 | 0.96800 | 0.99773 | 0.98910 | 0.98351 | 0.98586 | 1.00521 |
| Kentucky | 1.03500 | 1.02800 | 1.01700 | 1.01700 | 1.02400 | 1.02400 | 1.02300 | 1.02032 | 1.01867 | 1.02012 | 1.02181 |
| Louisiana | 1.03500 | 1.04200 | 1.02900 | 1.05900 | 1.04100 | 1.04700 | 1.04485 | 1.04248 | 1.04232 | 1.03456 | 1.04232 |
| Maine | – – | – – | – – | – – | – – | – – | 1.01023 | 1.00909 | 1.00798 | 1.00656 | 1.03733 |
| Maryland | 1.03500 | 1.02500 | 1.02200 | 0.94300 | 1.02300 | 1.02500 | 1.03390 | 1.03470 | 1.02970 | 1.03684 | 1.03865 |
| Massachusetts | 1.03500 | 1.01300 | 1.01200 | 1.00200 | 1.00000 | 1.03900 | 1.04723 | 1.02632 | 1.02968 | 1.02836 | 1.04262 |
| Michigan | 1.03500 | 1.01400 | 1.01500 | 0.83400 | 0.73700 | 0.46000 | 0.81306 | 0.85452 | 0.87193 | 0.87129 | 0.88699 |
| Minnesota | 1.03500 | 0.99800 | 1.00200 | 0.98400 | 0.99400 | 1.00200 | 1.01509 | 1.01111 | 1.00989 | 1.01220 | 1.05067 |
| Mississippi | 1.03500 | 1.02900 | 1.02500 | 1.03000 | 1.01700 | 1.03900 | 1.03399 | 1.03375 | 1.03141 | 1.02934 | 1.03307 |
| Missouri | 1.03500 | 1.02000 | 1.00700 | 0.97700 | 0.97900 | 0.99200 | 1.01841 | 1.00814 | 1.01468 | 1.01471 | 1.01668 |
| Montana | 1.03500 | 1.00100 | 1.03200 | 1.14900 | 1.04900 | 1.20400 | 1.15891 | 1.03758 | 1.03955 | 1.02892 | 1.03493 |
| Nebraska | 1.03500 | 0.99100 | 1.00800 | 0.98200 | 0.95000 | 0.95700 | 0.95929 | 1.00724 | 1.01050 | 1.00967 | 1.00763 |
| Nevada | 1.03500 | 1.06200 | 1.08200 | 1.06700 | 1.07100 | 1.06500 | 1.03101 | 1.03278 | 1.03316 | 1.02715 | 1.03558 |
| New Hampshire | – – | – – | – – | 1.00000 | – – | – – | – – | 1.01847 | 1.02436 | 1.01700 | 1.02281 |
| New Jersey | 1.03500 | 1.04500 | 1.02600 | 1.02800 | 1.03400 | 1.04600 | 1.03553 | 1.03175 | 1.03056 | 1.03482 | 1.04144 |
| New Mexico | 1.03500 | 1.10800 | 1.08300 | 1.03300 | 1.02900 | 1.01300 | 1.03374 | 1.01865 | 0.99824 | 1.00067 | 0.99571 |
| New York | 1.03500 | 1.02600 | 1.02100 | 1.02500 | 1.03600 | 1.03500 | 1.03195 | 1.02207 | 1.02327 | 1.02371 | 1.02447 |
| North Carolina | 1.03500 | 1.03300 | 1.02400 | 1.03100 | 1.03400 | 1.03300 | 1.02675 | 1.02627 | 1.02727 | 1.02622 | 1.02605 |
| North Dakota | 1.03500 | 1.00000 | 1.03100 | 1.05400 | 1.05400 | 1.05400 | 1.03798 | 1.06620 | 1.05874 | 1.06653 | – – |
| Ohio | 1.03500 | 1.03300 | 1.02300 | 0.86400 | 1.00400 | 1.01400 | 1.01125 | 1.02324 | 1.02085 | 1.02017 | 1.02219 |
| Oklahoma | 1.03500 | 1.02600 | 1.03200 | 1.03800 | 1.04800 | 1.04400 | 1.04175 | 1.03384 | 1.02824 | 1.03153 | 1.02999 |
| Oregon | 1.03500 | 1.07000 | 1.04500 | 1.03700 | 0.99800 | – – | 1.02708 | 1.01079 | 1.01909 | 1.01602 | 1.01970 |
| Pennsylvania | 1.03500 | 1.03800 | 1.03300 | 1.00000 | 1.02000 | 1.00000 | 0.93491 | 1.02997 | 1.03198 | 1.02662 | 1.02931 |
| Rhode Island | 1.03500 | 1.04200 | 1.02100 | 1.04200 | 1.02200 | 1.03400 | 1.03209 | 1.02108 | 1.02322 | 1.01327 | 1.02253 |
| South Carolina | 1.03500 | 1.04200 | 1.02800 | 1.02800 | 1.03000 | 1.02900 | 1.02381 | 1.02322 | 1.02027 | 1.01971 | 1.03096 |
| South Dakota | 1.03500 | 0.99700 | 1.00400 | 1.00000 | 0.98800 | 1.01000 | 1.02803 | 1.01701 | 1.01705 | 1.01916 | 1.02159 |
| Tennessee | 1.03500 | 1.04600 | 1.02200 | – – | 1.01600 | – – | 1.02723 | 1.01900 | 1.01661 | 1.01905 | 1.02160 |
| Texas | 1.03500 | 1.03700 | 1.02700 | 1.01900 | 1.03700 | 1.03600 | 1.03509 | 1.02517 | 1.02413 | 1.02310 | 1.02420 |
| Utah | 1.03500 | 0.92500 | 0.93800 | 0.94100 | 0.95500 | 1.07500 | 1.02690 | 1.04876 | 1.01896 | 1.02582 | 1.03583 |
| Vermont | – – | – – | – – | 1.00000 | 1.00000 | 1.00000 | 1.02734 | 1.00079 | 1.01462 | 1.01156 | 1.01387 |
| Virginia | 1.03500 | 1.03100 | 1.02600 | 1.09800 | 1.10400 | 1.04000 | 1.03021 | 1.03249 | 1.03700 | 1.04719 | 1.03817 |
| Washington | – – | – – | – – | – – | 1.03000 | 1.03300 | 1.02854 | 1.02840 | 1.02830 | 1.02308 | 1.03466 |
| West Virginia | 1.03500 | 1.07100 | 1.02900 | 0.57500 | 1.00000 | 1.00000 | 1.00000 | 1.02782 | 1.01379 | 1.03654 | 1.00391 |
| Wisconsin | 1.03500 | 1.01800 | 1.01900 | 1.01600 | 1.00700 | 1.00000 | 1.01645 | 1.01529 | 1.01525 | 1.01687 | 1.01313 |
| Wyoming | 1.03500 | 0.92600 | 1.02300 | 0.84300 | 0.84700 | 1.04800 | 1.03513 | 1.04319 | 1.03950 | 1.04120 | 1.04402 |
| U.S. Average | 1.03500 | 1.03765 | 1.02944 | 1.02341 | 1.03313 | 1.03706 | 1.02725 | 1.02126 | 1.01968 | 1.02011 | 1.02380 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B3. Approximate Heat Content of Natural Gas Consumed by the Electric Power Sector, 1999-2009
(Thousand Btu per Cubic Foot)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.02466 | 1.02720 | 1.03999 | 1.02482 | 1.02735 | 1.02490 | 1.02715 | 1.02886 | 1.03280 | 1.02817 | 1.02512 |
| Alaska | 1.00220 | 1.00287 | 1.00408 | 1.00931 | 1.00443 | 1.00662 | 1.00565 | 1.00657 | 1.00661 | 1.00578 | 1.00620 |
| Arizona | 1.01305 | 1.01636 | 1.02258 | 1.01840 | 1.00837 | 1.01981 | 1.02431 | 1.02054 | 1.02192 | 1.02732 | 1.02212 |
| Arkansas | 1.02477 | 1.01993 | 1.03733 | 1.01635 | 1.03201 | 1.02981 | 1.02893 | 1.02800 | 1.02554 | 1.03182 | 1.02463 |
| California | 1.02214 | 1.02000 | 1.02692 | 1.02158 | 1.02340 | 1.02943 | 1.02923 | 1.03244 | 1.03131 | 1.02863 | 1.02701 |
| Colorado | 1.05450 | 1.05607 | 1.04663 | 1.01720 | 1.03365 | 1.04100 | 1.03495 | 1.03880 | 1.03756 | 1.03734 | 1.03407 |
| Connecticut | 1.02435 | 1.01244 | 1.01368 | 1.02096 | 1.00753 | 1.01519 | 1.01130 | 1.00951 | 1.01186 | 1.01349 | 1.01208 |
| Delaware | 0.98135 | 1.01667 | 1.03674 | 1.01702 | 1.04250 | 1.03234 | 1.03715 | 1.03675 | 1.03567 | 1.03416 | 1.02425 |
| District of Columbia | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Florida | 1.04135 | 1.03646 | 1.04178 | 1.02549 | 1.03436 | 1.03106 | 1.03436 | 1.02849 | 1.02777 | 1.02853 | 1.02411 |
| Georgia | 1.02673 | 1.01594 | 1.01916 | 1.02187 | 1.02437 | 1.03006 | 1.04566 | 1.04015 | 1.04010 | 1.03513 | 1.03502 |
| Hawaii | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Idaho | 1.05000 | 1.04000 | 1.02873 | 0.97895 | 1.00233 | 1.02837 | 1.02118 | 1.02677 | 1.02491 | 1.01606 | 1.01424 |
| Illinois | 1.02158 | 1.01971 | 1.02217 | 1.01163 | 1.01482 | 1.02479 | 1.02019 | 1.02249 | 1.02269 | 1.01906 | 1.01887 |
| Indiana | 1.01879 | 1.01671 | 1.01952 | 1.02554 | 1.02143 | 1.01530 | 1.01773 | 1.01513 | 1.01438 | 1.01418 | 1.01250 |
| Iowa | 1.00841 | 1.00859 | 1.01366 | 1.00652 | 1.01055 | 0.99858 | 1.00334 | 1.00438 | 1.00836 | 1.01045 | 1.00811 |
| Kansas | 1.01066 | 1.01145 | 1.01026 | 1.00055 | 1.00340 | 1.00469 | 1.00872 | 1.01478 | 1.01988 | 1.01631 | 1.01378 |
| Kentucky | 1.01939 | 1.01993 | 1.02461 | 1.02367 | 1.02339 | 1.02559 | 1.03241 | 1.02800 | 1.02683 | 1.02504 | 1.02428 |
| Louisiana | 1.03837 | 1.03444 | 1.04067 | 1.02701 | 1.03237 | 1.02900 | 1.02964 | 1.03741 | 1.03258 | 1.03173 | 1.03008 |
| Maine | 1.00113 | 1.02126 | 1.03355 | 1.03812 | 1.03671 | 1.03940 | 1.05201 | 1.05568 | 1.05798 | 1.05765 | 1.04890 |
| Maryland | 1.03691 | 1.04123 | 1.03292 | 1.04258 | 1.03771 | 1.04042 | 1.04852 | 1.04652 | 1.04467 | 1.03151 | 1.04798 |
| Massachusetts | 1.01500 | 1.03492 | 1.03677 | 1.01676 | 1.02782 | 1.03221 | 1.03287 | 1.03225 | 1.03655 | 1.03407 | 1.03426 |
| Michigan | 0.89247 | 0.93402 | 0.98984 | 1.00796 | 1.01273 | 1.01718 | 1.01550 | 1.01063 | 1.01474 | 1.01457 | 1.01578 |
| Minnesota | 1.01762 | 1.01789 | 1.02240 | 1.00549 | 1.00424 | 1.00642 | 1.00874 | 1.00680 | 1.00800 | 1.01323 | 1.01090 |
| Mississippi | 1.02502 | 1.02791 | 1.02876 | 1.02547 | 1.03317 | 1.03223 | 1.03170 | 1.03232 | 1.03099 | 1.02441 | 1.01564 |
| Missouri | 1.01323 | 1.01404 | 1.09902 | 1.00874 | 1.01643 | 1.02217 | 1.02147 | 1.02477 | 1.02310 | 1.01775 | 1.01751 |
| Montana | 1.03116 | 1.01796 | 1.01456 | 1.00424 | 0.96097 | 1.01815 | 1.01286 | 1.01072 | 1.04481 | 1.02083 | 1.01852 |
| Nebraska | 1.00966 | 1.01493 | 1.02166 | 0.97649 | 0.99665 | 0.98684 | 0.99775 | 1.00548 | 1.01590 | 1.00586 | 0.99842 |
| Nevada | 1.04377 | 1.02377 | 1.02606 | 1.01984 | 1.02357 | 1.03028 | 1.03657 | 1.02932 | 1.02989 | 1.04160 | 1.03165 |
| New Hampshire | 1.02137 | 1.06897 | 1.07395 | 1.04734 | 1.04563 | 1.04609 | 1.04446 | 1.04314 | 1.05527 | 1.04914 | 1.03552 |
| New Jersey | 1.03534 | 1.03151 | 1.03223 | 1.03139 | 1.03536 | 1.03834 | 1.03463 | 1.03521 | 1.03452 | 1.03188 | 1.02914 |
| New Mexico | 0.99600 | 0.99198 | 0.98219 | 1.00212 | 1.00030 | 1.02147 | 1.00549 | 1.00779 | 1.01786 | 1.01728 | 1.02752 |
| New York | 1.02417 | 1.01798 | 1.01882 | 1.01869 | 1.02450 | 1.02161 | 1.02147 | 1.01924 | 1.02114 | 1.01970 | 1.01966 |
| North Carolina | 1.02230 | 1.01722 | 1.02404 | 1.00970 | 1.00650 | 1.00925 | 1.01375 | 1.01299 | 1.01322 | 1.01147 | 1.00741 |
| North Dakota | – – | – – | 1.02795 | 1.00955 | 1.02473 | 1.05000 | 1.11556 | 1.08016 | 1.08205 | 1.07724 | 1.03880 |
| Ohio | 1.02092 | 1.01937 | 1.01881 | 1.02436 | 1.03350 | 1.02890 | 1.02907 | 1.03092 | 1.03230 | 1.03361 | 1.03274 |
| Oklahoma | 1.02781 | 1.02916 | 1.03073 | 1.02546 | 1.02943 | 1.03132 | 1.03020 | 1.03032 | 1.02859 | 1.03282 | 1.03338 |
| Oregon | 1.01631 | 1.01753 | 1.02083 | 1.01681 | 1.02119 | 1.02040 | 1.02003 | 1.02464 | 1.03321 | 1.02051 | 1.02201 |
| Pennsylvania | 1.03645 | 1.03405 | 1.03347 | 1.02808 | 1.03904 | 1.03707 | 1.03585 | 1.03422 | 1.03028 | 1.03372 | 1.02897 |
| Rhode Island | 1.01450 | 1.03065 | 1.03204 | 1.01847 | 1.02214 | 1.02100 | 1.02128 | 1.01687 | 1.02556 | 1.02043 | 1.02235 |
| South Carolina | 1.06091 | 1.03751 | 1.03684 | 1.02819 | 1.02769 | 1.03375 | 1.03487 | 1.04906 | 1.03832 | 1.03597 | 1.03821 |
| South Dakota | 1.01887 | 1.01954 | 1.02662 | 0.98021 | 0.96027 | 0.98334 | 1.00858 | 1.00539 | 1.00981 | 1.00587 | 0.99447 |
| Tennessee | 1.02350 | 1.03286 | 1.03974 | 1.02305 | 1.03185 | 1.02562 | 1.02331 | 1.02767 | 1.02607 | 1.02797 | 1.02910 |
| Texas | 1.02190 | 1.02101 | 1.03022 | 1.01876 | 1.02061 | 1.02274 | 1.02805 | 1.02568 | 1.02324 | 1.02265 | 1.02049 |
| Utah | 1.03557 | 1.04434 | 1.04643 | 1.00534 | 1.00428 | 1.00032 | 1.04427 | 1.04983 | 1.04095 | 1.04876 | 1.03549 |
| Vermont | 1.01200 | 1.01200 | 1.01200 | 1.01839 | 1.01936 | 1.02000 | 0.88972 | 1.01596 | 1.01826 | 1.00046 | 1.00465 |
| Virginia | 1.03962 | 1.03747 | 1.02995 | 1.02431 | 1.02763 | 1.02690 | 1.03214 | 1.02936 | 1.02961 | 1.03997 | 1.03766 |
| Washington | 1.03892 | 1.02537 | 1.02829 | 1.02601 | 1.02061 | 1.02441 | 1.02332 | 1.02568 | 1.02351 | 1.02966 | 1.02957 |
| West Virginia | 1.00630 | 1.00560 | 1.02595 | 1.03648 | 1.05677 | 1.06013 | 1.03941 | 1.04647 | 1.04044 | 1.04295 | 1.04967 |
| Wisconsin | 1.01690 | 1.01176 | 1.01630 | 0.97485 | 0.98648 | 0.99750 | 1.01029 | 1.01153 | 1.01693 | 1.01407 | 1.01508 |
| Wyoming | 1.04402 | 1.02728 | 1.03070 | 0.92340 | 0.93450 | 0.94595 | 0.92542 | 0.99055 | 0.97678 | 0.97572 | 0.98686 |
| U.S. Average | 1.02158 | 1.02139 | 1.02874 | 1.02070 | 1.02414 | 1.02651 | 1.02840 | 1.02760 | 1.02732 | 1.02714 | 1.02494 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B4. Approximate Heat Content of Natural Gas Consumed by All Sectors Except Electric Power, Selected Years, 1960-1998
(Thousand Btu per Cubic Foot)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.03500 | 1.03400 | 1.03100 | 1.02891 | 1.03349 | 1.03770 | 1.02900 | 1.02917 | 1.03313 | 1.04144 | 1.03955 |
| Alaska | 1.03500 | 1.01000 | 1.00500 | 1.00470 | 1.00231 | 1.00600 | 0.94586 | 1.00619 | 0.98908 | 0.99979 | 0.99874 |
| Arizona | 1.03500 | 1.07600 | 1.05900 | 1.04957 | 1.04558 | 1.04578 | 1.03233 | 1.03798 | 1.01012 | 1.02278 | 1.01667 |
| Arkansas | 1.03500 | 1.00100 | 1.00400 | 0.99503 | 0.99415 | 1.01677 | 1.00761 | 1.08447 | 1.02637 | 1.01395 | 1.02485 |
| California | 1.03500 | 1.07300 | 1.05400 | 1.05594 | 1.04358 | 1.03848 | 1.03198 | 1.01096 | 1.03426 | 1.01711 | 1.05636 |
| Colorado | 1.03500 | 0.91200 | 0.97400 | 0.89576 | 0.99471 | 0.99923 | 1.00299 | 1.01419 | 1.01517 | 1.00918 | 1.00627 |
| Connecticut | 1.03500 | 1.02200 | 1.01600 | 1.00500 | 1.02200 | 1.02998 | 1.03333 | 1.02969 | 1.02869 | 1.02792 | 1.02600 |
| Delaware | 1.03500 | 1.04300 | 1.02000 | 1.01468 | 1.03285 | 1.02197 | 1.00925 | 1.03556 | 1.03561 | 1.03525 | 1.06180 |
| District of Columbia | 1.03500 | 1.02400 | 1.01600 | 1.01200 | 1.00300 | 1.01500 | 1.00800 | 1.00600 | 1.00900 | 1.02100 | 1.02700 |
| Florida | 1.03500 | 1.03700 | 1.04100 | 1.07754 | 1.06968 | 1.10911 | 1.08380 | 1.06972 | 1.11625 | 1.05806 | 1.05438 |
| Georgia | 1.03500 | 1.04000 | 1.03100 | 1.02672 | 1.03196 | 1.02801 | 1.02702 | 1.02597 | 1.02298 | 1.02784 | 1.02709 |
| Hawaii | – – | – – | – – | – – | 0.96300 | 1.08200 | 1.07000 | 1.04800 | 1.05700 | 1.03000 | 1.05600 |
| Idaho | 1.03500 | 1.06500 | 1.06100 | 1.05500 | 1.05301 | 1.04900 | 1.02800 | 1.03000 | 1.02999 | 1.03089 | 1.03821 |
| Illinois | 1.03500 | 1.02900 | 1.02500 | 1.02590 | 1.02196 | 1.04008 | 1.02199 | 1.02013 | 1.01898 | 1.02124 | 1.02217 |
| Indiana | 1.03500 | 0.99900 | 1.00600 | 0.98976 | 0.98894 | 1.00801 | 1.01823 | 1.01187 | 1.01093 | 1.01092 | 1.01701 |
| Iowa | 1.03500 | 1.01000 | 1.00900 | 1.00800 | 1.00287 | 1.01091 | 1.00687 | 1.00492 | 1.00601 | 1.00901 | 1.01096 |
| Kansas | 1.03500 | 0.99500 | 0.99800 | 0.98159 | 0.99404 | 0.99990 | 0.99911 | 1.00306 | 0.99685 | 1.00225 | 0.99370 |
| Kentucky | 1.03500 | 1.02800 | 1.01700 | 1.00799 | 1.00886 | 1.03004 | 1.04003 | 1.09629 | 1.04924 | 1.05029 | 1.03435 |
| Louisiana | 1.03500 | 1.04200 | 1.02900 | 1.03153 | 1.03707 | 1.03819 | 1.04137 | 1.03321 | 1.04431 | 1.13486 | 1.07709 |
| Maine | – – | – – | 1.01200 | 1.02400 | 1.02400 | 1.03500 | 1.00477 | 1.01613 | 1.01607 | 1.01405 | 1.01681 |
| Maryland | 1.03500 | 1.02500 | 1.02200 | 1.01323 | 1.01990 | 1.03408 | 1.02720 | 1.02506 | 1.02895 | 1.03378 | 1.03679 |
| Massachusetts | 1.03500 | 1.01300 | 1.01200 | 1.00402 | 1.01646 | 1.02388 | 1.03523 | 1.02584 | 1.02600 | 1.01939 | 1.01524 |
| Michigan | 1.03500 | 1.01400 | 1.01500 | 1.02420 | 1.01961 | 1.02304 | 1.04436 | 1.04042 | 1.03412 | 1.04030 | 1.04705 |
| Minnesota | 1.03500 | 0.99800 | 1.00200 | 1.00225 | 0.99709 | 1.00401 | 1.00379 | 1.01305 | 1.01812 | 1.01810 | 1.01875 |
| Mississippi | 1.03500 | 1.02900 | 1.02500 | 1.02189 | 1.03421 | 1.02459 | 1.03266 | 1.02111 | 1.02937 | 1.03587 | 1.05199 |
| Missouri | 1.03500 | 1.02000 | 1.00700 | 1.00822 | 1.01577 | 1.01714 | 1.01089 | 1.00695 | 1.01093 | 1.00987 | 1.01062 |
| Montana | 1.03500 | 1.00100 | 1.03200 | 1.01927 | 1.00926 | 0.99897 | 1.02672 | 1.02995 | 1.02993 | 1.03101 | 1.02592 |
| Nebraska | 1.03500 | 0.99100 | 1.00800 | 0.99650 | 0.98019 | 0.98226 | 0.98383 | 0.97938 | 1.00694 | 0.99776 | 1.00281 |
| Nevada | 1.03500 | 1.06200 | 1.08200 | 1.06700 | 1.05209 | 1.06122 | 1.03099 | 1.03329 | 1.03993 | 1.02680 | 1.04807 |
| New Hampshire | 1.03500 | 1.01200 | 1.01000 | 1.01024 | 1.02000 | 1.02700 | 1.01400 | 1.01005 | 1.01900 | 1.01083 | 1.01091 |
| New Jersey | 1.03500 | 1.04500 | 1.02600 | 1.03111 | 1.03269 | 1.02214 | 1.02434 | 1.03463 | 1.03722 | 1.03504 | 1.03715 |
| New Mexico | 1.03500 | 1.10800 | 1.08300 | 1.07555 | 1.04776 | 1.08795 | 1.05642 | 1.02024 | 1.03464 | 1.02240 | 0.97888 |
| New York | 1.03500 | 1.02600 | 1.02100 | 1.01476 | 1.02277 | 1.02724 | 1.02930 | 1.03108 | 1.02699 | 1.02704 | 1.02956 |
| North Carolina | 1.03500 | 1.03300 | 1.02400 | 1.01799 | 1.01175 | 1.03400 | 1.03209 | 1.03319 | 1.03615 | 1.03628 | 1.04095 |
| North Dakota | 1.03500 | 1.00000 | 1.03100 | 1.00077 | 1.05200 | 1.06200 | 1.03200 | 1.05000 | 1.05100 | 1.05000 | 1.03800 |
| Ohio | 1.03500 | 1.03300 | 1.02300 | 1.02403 | 1.01606 | 1.04403 | 1.04005 | 1.03812 | 1.03805 | 1.04510 | 1.04018 |
| Oklahoma | 1.03500 | 1.02600 | 1.03200 | 0.99619 | 1.00198 | 1.01970 | 1.02103 | 1.01462 | 1.02259 | 1.00586 | 1.00666 |
| Oregon | 1.03500 | 1.07000 | 1.04500 | 1.03900 | 1.04620 | 1.03000 | 1.02270 | 1.04450 | 1.04356 | 1.05050 | 1.04997 |
| Pennsylvania | 1.03500 | 1.03800 | 1.03300 | 1.02505 | 1.02201 | 1.03409 | 1.03938 | 1.03528 | 1.03407 | 1.03525 | 1.03633 |
| Rhode Island | 1.03500 | 1.04200 | 1.02100 | 1.01399 | 1.02094 | 1.03291 | 1.02678 | 1.02871 | 1.09977 | 1.03591 | 1.02711 |
| South Carolina | 1.03500 | 1.04200 | 1.02800 | 1.02346 | 1.03312 | 1.02800 | 1.02824 | 1.02717 | 1.03008 | 1.03120 | 1.03418 |
| South Dakota | 1.03500 | 0.99700 | 1.00400 | 1.00000 | 0.99811 | 1.01000 | 1.01589 | 1.01392 | 1.01394 | 1.01794 | 1.00890 |
| Tennessee | 1.03500 | 1.04600 | 1.02200 | 1.03100 | 1.01600 | 1.03400 | 1.03502 | 1.03110 | 1.03203 | 1.03107 | 1.03019 |
| Texas | 1.03500 | 1.03700 | 1.02700 | 1.02966 | 1.03085 | 1.03909 | 1.04215 | 1.04232 | 1.03666 | 1.03009 | 1.04975 |
| Utah | 1.03500 | 0.92500 | 0.93800 | 0.95023 | 1.09212 | 1.07500 | 1.08848 | 1.06384 | 1.04260 | 1.04241 | 1.04637 |
| Vermont | – – | – – | 1.00600 | 1.00930 | 0.98936 | 0.99185 | 0.98245 | 0.99591 | 1.01500 | 1.01200 | 1.01195 |
| Virginia | 1.03500 | 1.03100 | 1.02600 | 1.01868 | 1.01471 | 1.03899 | 1.04266 | 1.03071 | 1.03928 | 1.04374 | 1.04382 |
| Washington | 1.03500 | 1.07500 | 1.05500 | 1.04200 | 1.05216 | 1.04000 | 1.03000 | 1.04218 | 1.03856 | 1.04878 | 1.04667 |
| West Virginia | 1.03500 | 1.07100 | 1.02900 | 1.03805 | 1.03201 | 1.06707 | 1.07108 | 1.06116 | 1.06110 | 1.06811 | 1.06321 |
| Wisconsin | 1.03500 | 1.01800 | 1.01900 | 1.02023 | 1.00804 | 1.01004 | 1.00591 | 1.01089 | 1.01296 | 1.01076 | 1.01085 |
| Wyoming | 1.03500 | 0.92600 | 1.02300 | 0.93453 | 1.06069 | 1.05100 | 1.09905 | 1.06303 | 1.06102 | 1.06903 | 1.06706 |
| U.S. Average | 1.03500 | 1.03182 | 1.02543 | 1.02232 | 1.02375 | 1.03156 | 1.03079 | 1.02981 | 1.03076 | 1.03524 | 1.03740 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B5. Approximate Heat Content of Natural Gas Consumed by All Sectors Except Electric Power, 1999-2009
(Thousand Btu per Cubic Foot)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.03584 | 1.04401 | 1.03244 | 1.02934 | 1.02954 | 1.02504 | 1.02978 | 1.02749 | 1.02112 | 1.02288 | 1.02685 |
| Alaska | 0.99983 | 0.76085 | 1.01051 | 1.00357 | 1.00396 | 1.00373 | 1.00384 | 1.00479 | 1.00480 | 1.00603 | 1.00485 |
| Arizona | 1.01596 | 1.01006 | 1.00624 | 1.01745 | 1.01270 | 1.01722 | 1.02335 | 1.01878 | 1.02568 | 1.02621 | 1.01826 |
| Arkansas | 1.01791 | 1.01885 | 1.01324 | 1.02441 | 1.03070 | 1.00914 | 1.00956 | 1.03087 | 0.99976 | 1.00868 | 1.01153 |
| California | 1.01470 | 0.95633 | 1.01548 | 1.01926 | 1.01992 | 1.01997 | 1.02313 | 1.02279 | 1.01242 | R 1.02921 | 1.02699 |
| Colorado | 1.00036 | 0.99802 | 1.00535 | 1.00732 | 1.00973 | 1.00646 | 1.02754 | 1.03023 | 1.01694 | 1.01537 | 1.01471 |
| Connecticut | 1.02391 | 1.02845 | 1.02306 | 1.02418 | 1.02614 | 1.02429 | 1.02534 | 1.02646 | 1.02901 | 1.02049 | 1.02332 |
| Delaware | 1.06761 | 1.04125 | 1.03282 | 1.03652 | 1.03781 | 1.03599 | 1.03694 | 1.03707 | 1.03891 | 1.03395 | 1.03161 |
| District of Columbia | 1.02100 | 1.02700 | 1.02600 | 1.02400 | 1.02700 | 1.02700 | 1.05200 | 1.02500 | 1.02700 | 1.02800 | 1.03500 |
| Florida | 1.04611 | 1.10825 | 1.06501 | 1.03582 | 1.04167 | 1.03571 | 1.03773 | 1.03152 | 1.08009 | R 1.03158 | 1.03074 |
| Georgia | 1.02703 | 1.01823 | 1.03452 | 1.02554 | 1.02943 | 1.02886 | 1.03516 | 1.02961 | 1.02477 | 1.02462 | 1.02343 |
| Hawaii | 1.05500 | 1.04700 | 1.03600 | 1.06000 | 1.04700 | 1.04800 | 1.03700 | 1.04700 | 1.03700 | 1.04300 | 1.04000 |
| Idaho | 1.03770 | 1.02464 | 1.01754 | 1.02994 | 1.03093 | 1.04099 | 1.05286 | 1.04651 | 1.02384 | 1.02531 | 1.02335 |
| Illinois | 1.02202 | 1.02211 | 1.01989 | 1.01312 | 1.01501 | 1.01364 | 1.01467 | 1.01567 | 1.01340 | 1.01382 | 1.01279 |
| Indiana | 1.01798 | 1.02522 | 1.02416 | 1.00678 | 1.09050 | 1.00871 | 1.01802 | 1.01711 | 1.02366 | 1.01292 | 1.01519 |
| Iowa | 1.01925 | 1.00493 | 1.00375 | 1.00292 | 1.00286 | 1.00317 | 1.00626 | 1.01268 | 1.01016 | 1.00997 | 1.00696 |
| Kansas | 0.99516 | 1.00759 | 1.00451 | 1.00856 | 1.01247 | 1.01335 | 1.01431 | 1.01939 | 1.01782 | 1.03584 | 1.01966 |
| Kentucky | 1.03234 | 1.04038 | 1.03727 | 1.03679 | 1.03723 | 1.03521 | 1.02873 | 1.02906 | 1.02702 | 1.03544 | 1.03650 |
| Louisiana | 1.04300 | 1.06383 | 1.02388 | 1.03217 | 1.03192 | 1.03267 | 1.04416 | 1.03811 | 1.03308 | 1.03572 | 1.02877 |
| Maine | 1.01944 | 1.15291 | 1.17664 | 1.04642 | 1.04570 | 1.04407 | 1.04565 | 1.05204 | 1.10044 | 1.06847 | 1.04278 |
| Maryland | 1.03362 | 1.03286 | 1.03744 | 1.03629 | 1.03802 | 1.03677 | 1.04794 | 1.03684 | 1.03601 | 1.03762 | 1.03590 |
| Massachusetts | 1.06021 | 1.04444 | 1.04537 | 1.03497 | 1.02813 | 1.02838 | 1.01466 | 1.00974 | 1.00836 | R 1.01618 | 1.03062 |
| Michigan | 1.04155 | 1.03633 | 1.03105 | 1.02097 | 1.02992 | 1.02516 | 1.01492 | 1.01800 | 1.02451 | 1.02415 | 1.02168 |
| Minnesota | 1.01905 | 1.01492 | 1.01167 | 1.00706 | 1.00818 | 1.00702 | 1.01225 | 1.01670 | 1.02118 | R 1.02361 | 1.03016 |
| Mississippi | 1.04182 | 1.04308 | 1.02193 | 1.03602 | 1.03604 | 1.02863 | 1.02861 | 1.02439 | 1.02900 | 1.02742 | 1.02240 |
| Missouri | 1.01298 | 1.01512 | 1.00628 | 1.01240 | 1.01378 | 1.01978 | 1.01980 | 1.02044 | 1.01827 | 1.00517 | 1.00567 |
| Montana | 1.02397 | 1.02402 | 1.02202 | 1.02103 | 1.02324 | 1.02602 | 1.04008 | 1.01705 | 1.01560 | 1.01597 | 1.01093 |
| Nebraska | 0.99858 | 1.00455 | 1.01683 | 1.00831 | 1.00742 | 1.00966 | 1.00982 | 1.01242 | 1.01816 | 1.01123 | 1.01228 |
| Nevada | 1.02043 | 1.02996 | 1.02332 | 1.03344 | 1.03535 | 1.03226 | 1.04352 | 1.03740 | 1.04863 | 1.03340 | 1.02950 |
| New Hampshire | 1.00864 | 1.05764 | 1.06172 | 1.05012 | 1.04005 | 1.04325 | 1.02018 | 1.01914 | 1.01423 | R 1.02021 | 1.03409 |
| New Jersey | 1.03990 | 1.03601 | 1.03840 | 1.03905 | 1.03871 | 1.03919 | 1.04015 | 1.03625 | 1.03516 | 1.03343 | 1.02895 |
| New Mexico | 0.97522 | 0.96773 | 0.97338 | 0.97226 | 1.02286 | 1.02556 | 1.02456 | 1.02137 | 1.03022 | 1.01689 | 1.02820 |
| New York | 1.02845 | 1.03229 | 1.03347 | 1.02489 | 1.02778 | 1.02735 | 1.02638 | 1.02196 | 1.02550 | R 1.02166 | 1.02164 |
| North Carolina | 1.03577 | 1.03075 | 1.04244 | 1.03665 | 1.04235 | 1.03550 | 1.03670 | 1.03477 | 1.03703 | 1.02970 | 1.02603 |
| North Dakota | 1.04500 | 1.03500 | 1.02900 | 1.00300 | 1.00900 | 1.02100 | 1.03600 | 1.04400 | 1.04700 | 1.04200 | 1.05500 |
| Ohio | 1.03722 | 1.04226 | 1.04231 | 1.03838 | 1.03606 | 1.04536 | 1.04349 | 1.03926 | 1.03723 | 1.04020 | 1.04144 |
| Oklahoma | 1.02064 | 1.00814 | 1.02651 | 1.02958 | 1.03033 | 1.03081 | 1.02986 | 1.03335 | 1.06474 | R 1.03143 | 1.03271 |
| Oregon | 1.06029 | 1.03123 | 1.02890 | 1.02536 | 1.00705 | 1.00851 | 1.03607 | 1.03575 | 1.01946 | 1.02491 | 1.02554 |
| Pennsylvania | 1.03598 | 1.03503 | 1.05476 | 1.03772 | 1.04006 | 1.03924 | 1.04055 | 1.03868 | 1.04106 | 1.03899 | 1.03985 |
| Rhode Island | 1.03037 | 1.04690 | 1.02937 | 1.03022 | 1.02614 | 1.02694 | 1.02067 | 1.01716 | 1.04105 | 1.02183 | 1.02396 |
| South Carolina | 1.02895 | 1.02852 | 1.03810 | 1.03294 | 1.03684 | 1.03529 | 1.03775 | 1.03780 | 1.03646 | 1.03327 | 1.03131 |
| South Dakota | 1.00502 | 1.00347 | 0.99519 | 0.99959 | 1.00322 | 1.00278 | 1.00686 | 1.00279 | 1.00242 | 1.00392 | 1.00211 |
| Tennessee | 1.02708 | 1.03708 | 1.03697 | 1.03209 | 1.03303 | 1.03307 | 1.03529 | 1.03832 | 1.03944 | 1.03718 | 1.02798 |
| Texas | 1.03769 | 1.03343 | 1.02371 | 1.03316 | 1.02899 | 1.03089 | 1.02796 | 1.02623 | 1.03139 | 1.02659 | 1.02474 |
| Utah | 1.05582 | 1.05145 | 1.05259 | 1.06018 | 1.06688 | 1.05639 | 1.05372 | 1.05713 | 1.06255 | 1.06236 | 1.04659 |
| Vermont | 1.01200 | 1.01200 | 1.01200 | 1.00394 | 1.00595 | 1.00391 | 1.00444 | 1.00094 | 1.00095 | 1.00502 | 1.00500 |
| Virginia | 1.03772 | 1.03461 | 1.03814 | 1.03552 | 1.03730 | 1.03066 | 1.04226 | 1.03531 | 1.04410 | 1.03732 | 1.03530 |
| Washington | 1.05368 | 1.04243 | 1.03480 | 1.02961 | 1.02633 | 1.02787 | 1.02955 | 1.02995 | 1.02666 | 1.03011 | 1.03018 |
| West Virginia | 1.05517 | 1.06822 | 1.06778 | 1.06233 | 1.06615 | 1.05798 | 1.06755 | 1.11936 | 1.07412 | 1.07454 | 1.08234 |
| Wisconsin | 1.01171 | 1.00990 | 1.00852 | 1.00881 | 1.00940 | 1.00756 | 1.01345 | 1.01093 | 1.01354 | 1.01399 | 1.01387 |
| Wyoming | 1.05101 | 1.04635 | 1.05569 | 1.04402 | 1.04641 | 1.04549 | 1.04262 | 1.04139 | 1.03889 | 1.03142 | 1.03134 |
| U.S. Average | 1.02937 | 1.01978 | 1.02624 | 1.02521 | 1.02864 | 1.02602 | 1.02791 | 1.02723 | 1.02739 | R 1.02652 | 1.02529 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B6. Approximate Heat Content of Natural Gas Total Consumption, Selected Years, 1960-1998

(Thousand Btu per Cubic Foot)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.03500 | 1.03400 | 1.03100 | 1.02900 | 1.03400 | 1.03800 | 1.02900 | 1.02900 | 1.03300 | 1.04100 | 1.03900 |
| Alaska | 1.03500 | 1.01000 | 1.00500 | 1.00500 | 1.00300 | 1.00600 | 0.95400 | 1.00600 | 0.99000 | 1.00000 | 0.99900 |
| Arizona | 1.03500 | 1.07600 | 1.05900 | 1.05200 | 1.04900 | 1.05000 | 1.03200 | 1.03500 | 1.01100 | 1.02100 | 1.01600 |
| Arkansas | 1.03500 | 1.00100 | 1.00400 | 0.99700 | 1.00100 | 1.01900 | 1.00900 | 1.07600 | 1.02600 | 1.01500 | 1.02400 |
| California | 1.03500 | 1.07300 | 1.05400 | 1.05700 | 1.04600 | 1.04300 | 1.03200 | 1.01600 | 1.03200 | 1.01800 | 1.04700 |
| Colorado | 1.03500 | 0.91200 | 0.97400 | 0.91300 | 0.99300 | 0.99900 | 1.00500 | 1.01800 | 1.02400 | 1.01200 | 1.01200 |
| Connecticut | 1.03500 | 1.02200 | 1.01600 | 1.00500 | 1.02200 | 1.03000 | 1.03300 | 1.02800 | 1.02800 | 1.02700 | 1.02600 |
| Delaware | 1.03500 | 1.04300 | 1.02000 | 1.02000 | 1.03500 | 1.02500 | 1.02600 | 1.03400 | 1.03500 | 1.03500 | 1.03700 |
| District of Columbia | 1.03500 | 1.02400 | 1.01600 | 1.01200 | 1.00300 | 1.01500 | 1.00800 | 1.00600 | 1.00900 | 1.02100 | 1.02700 |
| Florida | 1.03500 | 1.03700 | 1.04100 | 1.04300 | 1.04100 | 1.05300 | 1.04300 | 1.03300 | 1.05000 | 1.04800 | 1.05100 |
| Georgia | 1.03500 | 1.04000 | 1.03100 | 1.02700 | 1.03200 | 1.02800 | 1.02700 | 1.02600 | 1.02300 | 1.02700 | 1.02700 |
| Hawaii | 1.03500 | – – | 0.96200 | 0.94700 | 0.96300 | 1.08200 | 1.07000 | 1.04800 | 1.05700 | 1.03000 | 1.05600 |
| Idaho | 1.03500 | 1.06500 | 1.06100 | 1.05500 | 1.05300 | 1.04900 | 1.02800 | 1.03000 | 1.03000 | 1.03100 | 1.03800 |
| Illinois | 1.03500 | 1.02900 | 1.02500 | 1.02600 | 1.02200 | 1.04000 | 1.02200 | 1.02000 | 1.01900 | 1.02100 | 1.02200 |
| Indiana | 1.03500 | 0.99900 | 1.00600 | 0.99000 | 0.98900 | 1.00800 | 1.01800 | 1.01200 | 1.01100 | 1.01100 | 1.01700 |
| Iowa | 1.03500 | 1.01000 | 1.00900 | 1.00800 | 1.00300 | 1.01100 | 1.00700 | 1.00500 | 1.00600 | 1.00900 | 1.01100 |
| Kansas | 1.03500 | 0.99500 | 0.99800 | 0.98400 | 0.98700 | 0.99800 | 0.99900 | 1.00200 | 0.99600 | 1.00100 | 0.99500 |
| Kentucky | 1.03500 | 1.02800 | 1.01700 | 1.00800 | 1.00900 | 1.03000 | 1.04000 | 1.09600 | 1.04900 | 1.05000 | 1.03400 |
| Louisiana | 1.03500 | 1.04200 | 1.02900 | 1.03700 | 1.03800 | 1.04000 | 1.04200 | 1.03500 | 1.04400 | 1.11800 | 1.07000 |
| Maine | 1.03500 | – – | 1.01200 | 1.02400 | 1.02400 | 1.03500 | 1.00500 | 1.01600 | 1.01600 | 1.01400 | 1.01700 |
| Maryland | 1.03500 | 1.02500 | 1.02200 | 1.01300 | 1.02000 | 1.03400 | 1.02800 | 1.02600 | 1.02900 | 1.03400 | 1.03700 |
| Massachusetts | 1.03500 | 1.01300 | 1.01200 | 1.00400 | 1.01600 | 1.02700 | 1.03800 | 1.02600 | 1.02700 | 1.02200 | 1.02300 |
| Michigan | 1.03500 | 1.01400 | 1.01500 | 1.01200 | 1.01100 | 1.01500 | 1.02200 | 1.01700 | 1.01200 | 1.01600 | 1.02000 |
| Minnesota | 1.03500 | 0.99800 | 1.00200 | 1.00100 | 0.99700 | 1.00400 | 1.00400 | 1.01300 | 1.01800 | 1.01800 | 1.02000 |
| Mississippi | 1.03500 | 1.02900 | 1.02500 | 1.02300 | 1.02800 | 1.02800 | 1.03300 | 1.02600 | 1.03000 | 1.03400 | 1.04600 |
| Missouri | 1.03500 | 1.02000 | 1.00700 | 1.00600 | 1.01400 | 1.01700 | 1.01100 | 1.00700 | 1.01100 | 1.01000 | 1.01100 |
| Montana | 1.03500 | 1.00100 | 1.03200 | 1.02100 | 1.01200 | 1.00100 | 1.02800 | 1.03000 | 1.03000 | 1.03100 | 1.02600 |
| Nebraska | 1.03500 | 0.99100 | 1.00800 | 0.99400 | 0.97800 | 0.98200 | 0.98300 | 0.98000 | 1.00700 | 0.99800 | 1.00300 |
| Nevada | 1.03500 | 1.06200 | 1.08200 | 1.06700 | 1.06100 | 1.06200 | 1.03100 | 1.03300 | 1.03600 | 1.02700 | 1.04100 |
| New Hampshire | 1.03500 | 1.01200 | 1.01000 | 1.01000 | 1.02000 | 1.02700 | 1.01400 | 1.01100 | 1.01900 | 1.01100 | 1.01100 |
| New Jersey | 1.03500 | 1.04500 | 1.02600 | 1.03100 | 1.03300 | 1.02600 | 1.02600 | 1.03400 | 1.03600 | 1.03500 | 1.03800 |
| New Mexico | 1.03500 | 1.10800 | 1.08300 | 1.06400 | 1.04300 | 1.07400 | 1.05400 | 1.02000 | 1.02900 | 1.01900 | 0.98200 |
| New York | 1.03500 | 1.02600 | 1.02100 | 1.01500 | 1.02500 | 1.02900 | 1.03000 | 1.02800 | 1.02600 | 1.02600 | 1.02800 |
| North Carolina | 1.03500 | 1.03300 | 1.02400 | 1.01800 | 1.01200 | 1.03400 | 1.03200 | 1.03300 | 1.03600 | 1.03600 | 1.04000 |
| North Dakota | 1.03500 | 1.00000 | 1.03100 | 1.00100 | 1.05200 | 1.06200 | 1.03200 | 1.05000 | 1.05100 | 1.05000 | 1.03800 |
| Ohio | 1.03500 | 1.03300 | 1.02300 | 1.02300 | 1.01600 | 1.04400 | 1.04000 | 1.03800 | 1.03800 | 1.04500 | 1.04000 |
| Oklahoma | 1.03500 | 1.02600 | 1.03200 | 1.01500 | 1.02300 | 1.02800 | 1.02700 | 1.02000 | 1.02400 | 1.01200 | 1.01400 |
| Oregon | 1.03500 | 1.07000 | 1.04500 | 1.03900 | 1.04600 | 1.03000 | 1.02300 | 1.04000 | 1.04000 | 1.04600 | 1.04300 |
| Pennsylvania | 1.03500 | 1.03800 | 1.03300 | 1.02500 | 1.02200 | 1.03400 | 1.03700 | 1.03500 | 1.03400 | 1.03500 | 1.03600 |
| Rhode Island | 1.03500 | 1.04200 | 1.02100 | 1.01400 | 1.02100 | 1.03300 | 1.02800 | 1.02600 | 1.06000 | 1.02400 | 1.02500 |
| South Carolina | 1.03500 | 1.04200 | 1.02800 | 1.02400 | 1.03300 | 1.02800 | 1.02800 | 1.02700 | 1.03000 | 1.03100 | 1.03400 |
| South Dakota | 1.03500 | 0.99700 | 1.00400 | 1.00000 | 0.99800 | 1.01000 | 1.01600 | 1.01400 | 1.01400 | 1.01800 | 1.01000 |
| Tennessee | 1.03500 | 1.04600 | 1.02200 | 1.03100 | 1.01600 | 1.03400 | 1.03500 | 1.03100 | 1.03200 | 1.03100 | 1.03000 |
| Texas | 1.03500 | 1.03700 | 1.02700 | 1.02600 | 1.03300 | 1.03800 | 1.04000 | 1.03700 | 1.03300 | 1.02800 | 1.04100 |
| Utah | 1.03500 | 0.92500 | 0.93800 | 0.95000 | 1.08600 | 1.07500 | 1.08800 | 1.06300 | 1.04200 | 1.04200 | 1.04600 |
| Vermont | 1.03500 | – – | 1.00600 | 1.00800 | 0.99000 | 0.99200 | 0.98700 | 0.99600 | 1.01500 | 1.01200 | 1.01200 |
| Virginia | 1.03500 | 1.03100 | 1.02600 | 1.01900 | 1.01600 | 1.03900 | 1.04200 | 1.03100 | 1.03900 | 1.04400 | 1.04300 |
| Washington | 1.03500 | 1.07500 | 1.05500 | 1.04200 | 1.05200 | 1.04000 | 1.03000 | 1.04000 | 1.03700 | 1.04600 | 1.04500 |
| West Virginia | 1.03500 | 1.07100 | 1.02900 | 1.03700 | 1.03200 | 1.06700 | 1.07100 | 1.06100 | 1.06100 | 1.06800 | 1.06300 |
| Wisconsin | 1.03500 | 1.01800 | 1.01900 | 1.02000 | 1.00800 | 1.01000 | 1.00600 | 1.01100 | 1.01300 | 1.01100 | 1.01100 |
| Wyoming | 1.03500 | 0.92600 | 1.02300 | 0.93400 | 1.06000 | 1.05100 | 1.09900 | 1.06300 | 1.06100 | 1.06900 | 1.06700 |
| U.S. Average | 1.03500 | 1.03271 | 1.02618 | 1.02249 | 1.02549 | 1.03253 | 1.03019 | 1.02818 | 1.02890 | 1.03254 | 1.03460 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B7. Approximate Heat Content of Natural Gas Total Consumption, 1999-2009
(Thousand Btu per Cubic Foot)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 1.03500 | 1.04200 | 1.03400 | 1.02800 | 1.02900 | 1.02500 | 1.02900 | 1.02800 | 1.02600 | 1.02500 | 1.02600 |
| Alaska | 1.00000 | 0.78100 | 1.01000 | 1.00400 | 1.00400 | 1.00400 | 1.00400 | 1.00500 | 1.00500 | 1.00600 | 1.00500 |
| Arizona | 1.01500 | 1.01300 | 1.01500 | 1.01800 | 1.01000 | 1.01900 | 1.02400 | 1.02000 | 1.02300 | 1.02700 | 1.02100 |
| Arkansas | 1.01900 | 1.01900 | 1.01600 | 1.02300 | 1.03100 | 1.01300 | 1.01400 | 1.03000 | 1.00700 | 1.01500 | 1.01600 |
| California | 1.01700 | 0.97900 | 1.02000 | 1.02000 | 1.02100 | 1.02300 | 1.02500 | 1.02600 | 1.01900 | 1.02900 | 1.02700 |
| Colorado | 1.00700 | 1.00800 | 1.01300 | 1.00900 | 1.01400 | 1.01300 | 1.02900 | 1.03200 | 1.02200 | 1.02000 | 1.01900 |
| Connecticut | 1.02400 | 1.02500 | 1.02100 | 1.02300 | 1.02100 | 1.02100 | 1.02000 | 1.01900 | 1.02200 | 1.01800 | 1.01900 |
| Delaware | 1.03700 | 1.03700 | 1.03400 | 1.03000 | 1.03900 | 1.03500 | 1.03700 | 1.03700 | 1.03800 | 1.03400 | 1.03000 |
| District of Columbia | 1.02100 | 1.02700 | 1.02600 | 1.02400 | 1.02700 | 1.02700 | 1.05200 | 1.02500 | 1.02700 | 1.02800 | 1.03500 |
| Florida | 1.04300 | 1.06000 | 1.04900 | 1.02800 | 1.03600 | 1.03200 | 1.03500 | 1.02900 | 1.03600 | 1.02900 | 1.02500 |
| Georgia | 1.02700 | 1.01800 | 1.03300 | 1.02500 | 1.02900 | 1.02900 | 1.03700 | 1.03200 | 1.02900 | 1.02700 | 1.02700 |
| Hawaii | 1.05500 | 1.04700 | 1.03600 | 1.06000 | 1.04700 | 1.04800 | 1.03700 | 1.04700 | 1.03700 | 1.04300 | 1.04000 |
| Idaho | 1.03800 | 1.02500 | 1.01900 | 1.02800 | 1.02700 | 1.03900 | 1.04800 | 1.04400 | 1.02400 | 1.02400 | 1.02200 |
| Illinois | 1.02200 | 1.02200 | 1.02000 | 1.01300 | 1.01500 | 1.01400 | 1.01500 | 1.01600 | 1.01400 | 1.01400 | 1.01300 |
| Indiana | 1.01800 | 1.02500 | 1.02400 | 1.00800 | 1.08700 | 1.00900 | 1.01800 | 1.01700 | 1.02300 | 1.01300 | 1.01500 |
| Iowa | 1.01900 | 1.00500 | 1.00400 | 1.00300 | 1.00300 | 1.00300 | 1.00600 | 1.01200 | 1.01000 | 1.01000 | 1.00700 |
| Kansas | 0.99700 | 1.00800 | 1.00500 | 1.00800 | 1.01200 | 1.01300 | 1.01400 | 1.01900 | 1.01800 | 1.03400 | 1.01900 |
| Kentucky | 1.03200 | 1.04000 | 1.03700 | 1.03600 | 1.03700 | 1.03500 | 1.02900 | 1.02900 | 1.02700 | 1.03500 | 1.03600 |
| Louisiana | 1.04200 | 1.05800 | 1.02700 | 1.03100 | 1.03200 | 1.03200 | 1.04100 | 1.03800 | 1.03300 | 1.03500 | 1.02900 |
| Maine | 1.01800 | 1.07300 | 1.05700 | 1.03900 | 1.03800 | 1.04000 | 1.05100 | 1.05500 | 1.07500 | 1.06200 | 1.04600 |
| Maryland | 1.03400 | 1.03400 | 1.03700 | 1.03700 | 1.03800 | 1.03700 | 1.04800 | 1.03800 | 1.03700 | 1.03700 | 1.03700 |
| Massachusetts | 1.04800 | 1.04200 | 1.04300 | 1.02900 | 1.02800 | 1.03000 | 1.02200 | 1.02000 | 1.02100 | 1.02300 | 1.03200 |
| Michigan | 1.01800 | 1.02200 | 1.02500 | 1.01900 | 1.02800 | 1.02400 | 1.01500 | 1.01700 | 1.02300 | 1.02300 | 1.02100 |
| Minnesota | 1.01900 | 1.01500 | 1.01200 | 1.00700 | 1.00800 | 1.00700 | 1.01200 | 1.01600 | 1.02000 | 1.02300 | 1.02900 |
| Mississippi | 1.03600 | 1.03800 | 1.02500 | 1.03100 | 1.03500 | 1.03000 | 1.03000 | 1.02800 | 1.03000 | 1.02600 | 1.01900 |
| Missouri | 1.01300 | 1.01500 | 1.01700 | 1.01200 | 1.01400 | 1.02000 | 1.02000 | 1.02100 | 1.01900 | 1.00700 | 1.00700 |
| Montana | 1.02400 | 1.02400 | 1.02200 | 1.02100 | 1.02300 | 1.02600 | 1.04000 | 1.01700 | 1.01600 | 1.01600 | 1.01100 |
| Nebraska | 0.99900 | 1.00500 | 1.01700 | 1.00700 | 1.00700 | 1.00900 | 1.00900 | 1.01200 | 1.01800 | 1.01100 | 1.01200 |
| Nevada | 1.03400 | 1.02600 | 1.02500 | 1.02500 | 1.02800 | 1.03100 | 1.03900 | 1.03200 | 1.03600 | 1.03900 | 1.03100 |
| New Hampshire | 1.00900 | 1.05800 | 1.06200 | 1.05000 | 1.04300 | 1.04500 | 1.03600 | 1.03500 | 1.04000 | 1.04000 | 1.03500 |
| New Jersey | 1.03900 | 1.03500 | 1.03700 | 1.03700 | 1.03800 | 1.03900 | 1.03900 | 1.03600 | 1.03500 | 1.03300 | 1.02900 |
| New Mexico | 0.97900 | 0.97200 | 0.97500 | 0.97700 | 1.01900 | 1.02500 | 1.02100 | 1.01800 | 1.02700 | 1.01700 | 1.02800 |
| New York | 1.02700 | 1.02800 | 1.02900 | 1.02300 | 1.02700 | 1.02600 | 1.02500 | 1.02100 | 1.02400 | 1.02100 | 1.02100 |
| North Carolina | 1.03500 | 1.03000 | 1.04100 | 1.03300 | 1.04000 | 1.03300 | 1.03400 | 1.03200 | 1.03300 | 1.02700 | 1.02300 |
| North Dakota | 1.04500 | 1.03500 | 1.02900 | 1.00300 | 1.00900 | 1.02100 | 1.03600 | 1.04400 | 1.04700 | 1.04200 | 1.05500 |
| Ohio | 1.03700 | 1.04200 | 1.04200 | 1.03800 | 1.03600 | 1.04500 | 1.04300 | 1.03900 | 1.03700 | 1.04000 | 1.04100 |
| Oklahoma | 1.02300 | 1.01500 | 1.02800 | 1.02800 | 1.03000 | 1.03100 | 1.03000 | 1.03200 | 1.04900 | 1.03200 | 1.03300 |
| Oregon | 1.05100 | 1.02700 | 1.02600 | 1.02300 | 1.01200 | 1.01300 | 1.03000 | 1.03200 | 1.02500 | 1.02300 | 1.02400 |
| Pennsylvania | 1.03600 | 1.03500 | 1.05400 | 1.03700 | 1.04000 | 1.03900 | 1.04000 | 1.03800 | 1.03900 | 1.03800 | 1.03700 |
| Rhode Island | 1.02300 | 1.03800 | 1.03100 | 1.02300 | 1.02400 | 1.02400 | 1.02100 | 1.01700 | 1.03200 | 1.02100 | 1.02300 |
| South Carolina | 1.03100 | 1.02900 | 1.03800 | 1.03200 | 1.03600 | 1.03500 | 1.03700 | 1.04100 | 1.03700 | 1.03400 | 1.03400 |
| South Dakota | 1.00600 | 1.00500 | 0.99900 | 0.99900 | 1.00100 | 1.00200 | 1.00700 | 1.00300 | 1.00300 | 1.00400 | 1.00200 |
| Tennessee | 1.02700 | 1.03700 | 1.03700 | 1.03200 | 1.03300 | 1.03300 | 1.03500 | 1.03800 | 1.03900 | 1.03700 | 1.02800 |
| Texas | 1.03200 | 1.02900 | 1.02600 | 1.02800 | 1.02600 | 1.02800 | 1.02800 | 1.02600 | 1.02800 | 1.02500 | 1.02300 |
| Utah | 1.05500 | 1.05100 | 1.05200 | 1.05500 | 1.06100 | 1.05300 | 1.05300 | 1.05600 | 1.05700 | 1.05900 | 1.04400 |
| Vermont | 1.01200 | 1.01200 | 1.01200 | 1.00400 | 1.00600 | 1.00400 | 1.00400 | 1.00100 | 1.00100 | 1.00500 | 1.00500 |
| Virginia | 1.03800 | 1.03500 | 1.03700 | 1.03400 | 1.03600 | 1.03000 | 1.04000 | 1.03400 | 1.04000 | 1.03800 | 1.03600 |
| Washington | 1.05200 | 1.03800 | 1.03300 | 1.02900 | 1.02500 | 1.02700 | 1.02800 | 1.02900 | 1.02600 | 1.03000 | 1.03000 |
| West Virginia | 1.05500 | 1.06800 | 1.06700 | 1.06200 | 1.06600 | 1.05800 | 1.06700 | 1.11700 | 1.07300 | 1.07400 | 1.08200 |
| Wisconsin | 1.01200 | 1.01000 | 1.00900 | 1.00700 | 1.00800 | 1.00700 | 1.01300 | 1.01100 | 1.01400 | 1.01400 | 1.01400 |
| Wyoming | 1.05100 | 1.04600 | 1.05500 | 1.04000 | 1.04400 | 1.04500 | 1.04200 | 1.04100 | 1.03800 | 1.03100 | 1.03100 |
| U.S. Average | 1.02770 | 1.02014 | 1.02684 | 1.02410 | 1.02760 | 1.02614 | 1.02804 | 1.02733 | 1.02737 | R 1.02669 | 1.02519 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B8. Approximate Heat Content of Coal Consumed by the Residential and Commercial Sector, Selected Years, 1960-1998

(Million Btu per Short Ton)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 24.90955 | 24.77905 | 23.93285 | 23.51979 | 24.04242 | 24.40711 | 24.62888 | 24.64589 | 24.63827 | 24.64215 | 25.47588 |
| Alaska | 18.90636 | 18.80731 | 18.16504 | 17.68304 | – – | 15.80000 | 15.80000 | 15.80000 | 15.80000 | 15.84800 | 15.71000 |
| Arizona | – – | – – | – – | – – | – – | 19.78800 | 18.69794 | 21.96150 | 19.28500 | 19.10306 | 21.69872 |
| Arkansas | – – | – – | – – | – – | 23.89952 | 22.99046 | 24.83396 | – – | – – | 24.49708 | 25.08934 |
| California | 23.01295 | 22.89238 | 22.11061 | – – | 23.10930 | 23.55520 | 23.18400 | 23.29600 | 23.28200 | 23.10055 | 23.62691 |
| Colorado | 22.95289 | 22.83264 | 22.05291 | 20.82582 | 21.46057 | 21.21743 | 21.43489 | 22.16939 | 22.10652 | 18.71008 | 22.43624 |
| Connecticut | 24.86790 | 24.40178 | 23.47600 | 22.27200 | 22.71900 | 23.03100 | 25.19900 | 23.80410 | 24.63800 | 24.49700 | 27.35000 |
| Delaware | 24.72100 | 24.31600 | 23.47600 | 22.27200 | 23.14289 | 24.11686 | 24.85615 | 24.69600 | 24.93390 | 25.05444 | 26.90254 |
| District of Columbia | 25.10862 | 24.97707 | 24.12411 | 23.24075 | 24.54122 | 24.88768 | 24.96081 | 25.17800 | 24.74271 | 24.57946 | 25.31000 |
| Florida | – – | – – | – – | – – | 24.28341 | 24.88200 | 24.86125 | 24.64400 | 25.04400 | – – | 26.04235 |
| Georgia | 24.74225 | 24.61262 | 23.77210 | 23.49417 | 24.32123 | 24.83223 | 25.14330 | 24.98009 | 25.04400 | 25.69800 | 25.65432 |
| Hawaii | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Idaho | 24.83140 | 24.70130 | 23.85776 | 22.66294 | 22.29152 | 22.83215 | 22.47778 | 21.71685 | 21.72486 | 22.68311 | 19.71901 |
| Illinois | 24.04164 | 23.91539 | 23.09871 | 22.52260 | 22.06925 | 22.26944 | 22.45162 | 22.51632 | 22.68127 | 22.80243 | 21.96000 |
| Indiana | 24.06516 | 23.93847 | 23.12085 | 22.13233 | 21.88129 | 22.25860 | 22.46054 | 22.29025 | 22.23182 | 22.19420 | 22.75000 |
| Iowa | 21.32126 | 21.20956 | 20.48526 | 18.27722 | 20.22308 | 21.40188 | 23.96001 | 24.36084 | 24.52912 | 23.56166 | 24.41000 |
| Kansas | 21.78815 | 21.67400 | 20.93384 | – – | 21.18218 | 21.14600 | 24.27951 | 23.94481 | 24.10800 | 22.52800 | 24.68789 |
| Kentucky | 24.43091 | 24.28447 | 23.45391 | 23.17784 | 23.83696 | 24.34440 | 24.45011 | 24.92797 | 24.35637 | 23.26395 | 25.46950 |
| Louisiana | – – | – – | – – | – – | 21.36502 | – – | – – | 25.07800 | – – | 24.53000 | – – |
| Maine | 24.96425 | 24.70177 | 23.61235 | 22.51890 | 23.54561 | 24.27817 | 24.93701 | 24.69600 | 24.63800 | 24.49700 | 26.34731 |
| Maryland | 25.03270 | 24.87495 | 23.94377 | 22.93823 | 24.04282 | 24.74887 | 25.06708 | 24.83796 | 25.08097 | 25.13840 | 25.31044 |
| Massachusetts | 24.89361 | 24.49344 | 23.55718 | 22.43028 | 23.41739 | 23.77832 | 25.07028 | 24.83425 | 24.79549 | 24.70762 | 27.34861 |
| Michigan | 24.75940 | 24.62836 | 23.78687 | 23.46574 | 24.35257 | 24.46038 | 24.81175 | 24.66160 | 24.84902 | 24.59315 | 24.80000 |
| Minnesota | 21.97087 | 21.85576 | 21.10939 | 19.25676 | 20.82860 | 19.14210 | 17.89230 | 20.25825 | 17.54796 | 18.40880 | 19.25179 |
| Mississippi | – – | – – | – – | – – | 22.99343 | 24.54115 | 24.85200 | – – | – – | 24.49708 | – – |
| Missouri | 22.94167 | 22.82147 | 22.04212 | 21.40447 | 21.80697 | 22.80191 | 21.93585 | 22.63423 | 22.66103 | 22.82574 | 22.00000 |
| Montana | 21.33557 | 21.22380 | 20.49901 | 20.38911 | 22.04235 | 17.68025 | 18.78135 | 21.22785 | 18.18800 | 17.85986 | 23.37560 |
| Nebraska | 20.91322 | 20.80366 | 20.09322 | 18.40616 | 18.03826 | 21.52621 | 21.37396 | 20.32116 | 24.63800 | 17.33200 | 20.74919 |
| Nevada | 25.11444 | 25.04926 | 24.21082 | 23.32668 | 22.43015 | 23.56200 | 24.01028 | 23.44269 | 23.28200 | 23.09600 | 22.98804 |
| New Hampshire | 24.72100 | 24.31600 | 23.47600 | 22.27200 | 22.71900 | 23.03100 | 25.17092 | 24.86761 | 24.84196 | 24.55195 | 27.35000 |
| New Jersey | 24.72427 | 24.35398 | 23.48102 | 22.26344 | 22.71900 | 23.21834 | 25.17308 | 24.69600 | 24.63800 | 24.49700 | 25.22885 |
| New Mexico | 22.99301 | 22.87255 | 22.09147 | – – | 19.78553 | 19.81693 | 18.69800 | 19.23183 | 19.32888 | 18.92150 | 24.76400 |
| New York | 24.70038 | 24.36019 | 23.49620 | 22.57414 | 23.33679 | 23.81886 | 24.85588 | 24.95806 | 24.82789 | 24.83757 | 25.45000 |
| North Carolina | 24.76213 | 24.63240 | 23.79120 | 23.49258 | 24.42236 | 24.85944 | 25.18700 | 25.16371 | 24.83876 | 24.99447 | 26.70000 |
| North Dakota | 15.55018 | 15.46871 | 14.94046 | 13.75718 | 13.24298 | 13.13815 | 13.90962 | 15.53547 | 14.92702 | 14.93796 | 14.27578 |
| Ohio | 23.86178 | 23.73246 | 22.92073 | 22.32478 | 23.20690 | 23.83693 | 24.14408 | 24.43882 | 23.79691 | 23.89197 | 25.25000 |
| Oklahoma | 22.72718 | 22.60811 | 21.83605 | 20.67259 | 23.29143 | 23.39403 | 24.83400 | 25.89400 | 26.12800 | 17.35345 | 19.93863 |
| Oregon | 24.60503 | 24.47612 | 23.64027 | 22.38275 | 22.72195 | 22.60723 | 23.18400 | 23.29600 | – – | 23.09600 | 22.00000 |
| Pennsylvania | 24.73076 | 24.36478 | 23.54189 | 22.48706 | 23.15028 | 23.72419 | 25.11754 | 24.82982 | 24.70349 | 24.64969 | 25.26545 |
| Rhode Island | 24.72100 | 24.31600 | 23.47600 | 22.27200 | 22.71900 | 23.03100 | 25.19900 | 24.69600 | 24.63800 | 24.49700 | 27.35000 |
| South Carolina | 24.76172 | 24.63199 | 23.79081 | 23.49264 | 24.41433 | 24.85378 | 24.87489 | 25.50314 | 24.71660 | 24.97200 | 26.21051 |
| South Dakota | 19.41154 | 19.30984 | 18.65041 | 16.85997 | 18.42630 | 19.36902 | 18.37453 | 19.07166 | 21.61937 | 17.33200 | 19.76699 |
| Tennessee | 24.71533 | 24.58404 | 23.74488 | 23.48019 | 23.96977 | 24.38903 | 24.74124 | 25.27626 | 25.04338 | 25.02904 | 26.04000 |
| Texas | 14.95177 | 14.87344 | 14.36552 | – – | 15.20049 | 22.51056 | 25.89608 | – – | – – | 25.51014 | 24.81832 |
| Utah | 25.89198 | 25.75633 | 24.87676 | 23.74007 | 23.17910 | 23.56200 | 23.14974 | 23.29600 | 23.28200 | 23.09345 | 23.54893 |
| Vermont | 24.72100 | 24.31600 | 23.47600 | 22.27200 | 22.71900 | 24.39899 | 25.19900 | 24.69600 | 24.63800 | 24.61419 | 27.35000 |
| Virginia | 24.78525 | 24.65237 | 23.81029 | 23.46220 | 24.41436 | 24.86362 | 25.08712 | 24.99689 | 25.10405 | 24.92831 | 26.40706 |
| Washington | 22.90924 | 22.78922 | 22.01097 | 19.96772 | 22.77100 | 23.45190 | 21.73662 | 22.63392 | 23.09783 | 22.87154 | 26.60000 |
| West Virginia | 24.99691 | 24.86595 | 24.01679 | 23.70919 | 24.05881 | 24.85990 | 25.01748 | 24.82246 | 24.68019 | 24.73754 | 25.76982 |
| Wisconsin | 21.92254 | 21.80607 | 21.06114 | 18.98021 | 24.26544 | 24.56793 | 24.97777 | 25.07766 | 25.05235 | 24.92021 | 27.45000 |
| Wyoming | 20.62538 | 20.51732 | 19.81665 | 18.57163 | 17.80856 | 17.26200 | 19.93489 | 18.24057 | 18.19276 | 18.03000 | 20.31540 |
| U.S. Average | 23.94283 | 23.77600 | 22.98985 | 22.12012 | 22.89233 | 22.68213 | 23.02050 | 23.02709 | 22.71809 | 22.37879 | 23.27631 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B9. Approximate Heat Content of Coal Consumed by the Residential and Commercial Sector, 1999-2009
(Million Btu per Short Ton)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 25.88280 | 25.45000 | 18.84468 | 24.23196 | 24.22414 | 24.22414 | 25.12953 | 24.29513 | 25.19517 | – – | – – |
| Alaska | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.28028 | 15.35632 |
| Arizona | 21.95554 | 21.95554 | 18.81885 | 18.96261 | 18.65717 | 18.77970 | 18.95945 | 18.91365 | 19.70261 | – – | – – |
| Arkansas | 25.46394 | – – | – – | 25.20226 | – – | 25.20226 | – – | 25.20226 | 22.93197 | – – | – – |
| California | 23.74003 | 23.79000 | 23.54564 | 25.20226 | 24.57779 | 22.39951 | 22.69029 | 23.54564 | – – | – – | – – |
| Colorado | 22.48006 | 21.70600 | 22.42877 | 22.40126 | 22.49956 | 22.46007 | 22.38331 | 22.32441 | 22.41875 | 24.19459 | 22.92806 |
| Connecticut | 27.53000 | 24.84184 | 25.19040 | 25.20226 | 25.17420 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| Delaware | 26.15092 | 26.11800 | 25.20226 | – – | – – | – – | – – | 25.20226 | 25.20226 | – – | – – |
| District of Columbia | 25.30000 | 25.30000 | 24.69356 | 24.69356 | 24.69356 | 24.69356 | 24.69356 | – – | 24.69356 | 27.39468 | 28.02766 |
| Florida | 25.97502 | 25.75000 | 23.49457 | 24.35506 | 24.70354 | – – | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| Georgia | 25.84901 | 25.64200 | 25.71566 | 25.71566 | – – | 25.71415 | 24.87197 | – – | 24.33092 | 28.00000 | 28.00000 |
| Hawaii | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Idaho | 21.04956 | 22.06000 | 22.34782 | 22.07382 | 21.64352 | 18.44441 | 21.28274 | 21.54563 | 23.00660 | 23.49119 | 23.08752 |
| Illinois | 21.96000 | 21.95496 | 23.09564 | 23.07288 | 22.94355 | 22.88660 | 22.90367 | 22.93419 | 22.91509 | 22.22723 | 22.24502 |
| Indiana | 25.00000 | 23.51901 | 22.30349 | 22.27207 | 22.38880 | 22.34328 | 22.45479 | 22.37152 | 22.35171 | 23.07269 | 23.15207 |
| Iowa | 25.97000 | 26.10085 | 23.86811 | 24.17926 | 24.05462 | 23.39265 | 23.53537 | 23.40740 | 23.40796 | 23.15424 | 23.08238 |
| Kansas | 24.70725 | 24.15600 | 24.17185 | 24.02541 | 23.54564 | – – | – – | 23.54564 | – – | – – | – – |
| Kentucky | 26.23869 | 26.40800 | 24.90121 | 24.70391 | 24.37750 | 24.09277 | 24.06740 | 23.66777 | 23.69848 | 27.27378 | 27.31635 |
| Louisiana | – – | 23.48200 | – – | – – | – – | – – | – – | – – | 24.35479 | – – | – – |
| Maine | 26.08147 | 25.92200 | 25.19811 | 25.19627 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| Maryland | 25.29975 | 25.07200 | 24.92243 | 24.61596 | 24.79575 | 24.69992 | 24.70913 | 24.73325 | 24.74548 | 26.13809 | 26.56948 |
| Massachusetts | 27.53458 | 27.07000 | 25.39455 | 24.64837 | 24.99683 | 24.46855 | 24.96940 | 24.77280 | 24.63665 | – – | – – |
| Michigan | 25.10000 | 25.09987 | 24.08681 | 23.59538 | 23.70301 | 24.50332 | 24.35677 | 24.37527 | 24.46919 | 25.59426 | 26.01563 |
| Minnesota | 19.31135 | 19.29400 | 24.33092 | 17.38221 | 18.74383 | 20.36034 | 19.42854 | 17.78220 | 19.32423 | 18.04887 | 17.96712 |
| Mississippi | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Missouri | 22.43000 | 22.01372 | 22.98069 | 23.14705 | 23.25095 | 23.19464 | 23.21647 | 23.19520 | 23.07965 | 22.71598 | 22.95438 |
| Montana | 17.09403 | 16.01600 | 18.22272 | 18.51422 | 18.41265 | 18.11776 | 18.12135 | 18.11776 | 18.11776 | 25.04621 | 24.27397 |
| Nebraska | – – | – – | 22.34669 | 22.39411 | 22.43902 | 22.39620 | 22.37023 | 22.29536 | 22.34906 | – – | – – |
| Nevada | 23.10820 | 23.10820 | 19.61653 | 18.11776 | 18.11776 | 18.11776 | 18.11776 | 18.11776 | 22.34906 | – – | – – |
| New Hampshire | 27.53000 | 25.92200 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| New Jersey | 25.31653 | 25.50000 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| New Mexico | 25.11200 | 25.21200 | 18.81885 | 18.78502 | 19.00920 | 19.24556 | 18.81298 | 18.92875 | 18.58149 | – – | – – |
| New York | 25.51000 | 25.31147 | 24.84639 | 25.09365 | 25.20226 | 24.99169 | 25.01044 | 24.85989 | 24.91799 | 25.25304 | 25.36348 |
| North Carolina | 27.00000 | 27.00000 | 25.07997 | 24.82548 | 25.32901 | 24.77161 | 25.37342 | 25.11335 | 25.31826 | 26.73843 | 26.80263 |
| North Dakota | 14.26426 | 14.22800 | 16.00252 | 16.22776 | 16.37937 | 16.98175 | 18.09798 | 17.84725 | 15.91616 | 17.12253 | 17.23075 |
| Ohio | 24.14000 | 24.01316 | 24.11117 | 24.20238 | 24.14877 | 21.33540 | 23.98104 | 24.19434 | 24.12152 | 26.65248 | 26.85035 |
| Oklahoma | 19.77893 | – – | 24.21484 | 24.21484 | 24.21484 | – – | 24.27606 | 24.55713 | 24.69356 | – – | – – |
| Oregon | 23.30868 | 23.30868 | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Pennsylvania | 25.44396 | 26.38599 | 25.13691 | 25.10969 | 25.12376 | 25.10462 | 25.13163 | 25.12478 | 25.12626 | 25.72858 | 25.95802 |
| Rhode Island | 27.53000 | 25.92200 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | – – | – – |
| South Carolina | 26.34668 | – – | – – | 25.20226 | – – | – – | – – | 24.33114 | 25.20226 | 27.54165 | 27.51232 |
| South Dakota | 20.36609 | 20.86800 | 23.50629 | 17.38116 | 17.38116 | 17.38116 | 17.38116 | 17.38116 | 17.38116 | 25.89251 | 24.90000 |
| Tennessee | 26.04000 | 26.04538 | 24.45667 | 24.55328 | 23.83116 | 23.49719 | 24.70386 | 24.38566 | 24.53965 | 25.61255 | 25.66006 |
| Texas | 16.25125 | 16.28000 | 25.62310 | 18.68536 | 19.22769 | 25.68290 | 25.71566 | 25.20226 | 25.20226 | 27.48310 | 27.25015 |
| Utah | 23.36625 | 23.21000 | 23.54375 | 23.54578 | 23.54700 | 23.54652 | 23.55080 | 23.54245 | 23.53943 | – – | – – |
| Vermont | 27.53000 | 25.92200 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.20226 | 25.36313 | – – | – – |
| Virginia | 26.45535 | 26.17391 | 25.04189 | 25.04500 | 24.92450 | 25.00427 | 24.85854 | 24.74545 | 24.77679 | 26.51997 | 26.00720 |
| Washington | 25.98000 | 25.96100 | 23.48820 | 23.50574 | 23.51911 | 23.51009 | – – | 17.38116 | 17.38116 | – – | – – |
| West Virginia | 25.70998 | 25.74200 | 24.76458 | 24.74624 | 24.76538 | 24.71213 | 24.69710 | 24.71636 | 24.70421 | – – | – – |
| Wisconsin | 26.79000 | 27.65942 | 24.44771 | 24.30858 | 24.71652 | 24.32607 | 18.94545 | 24.35425 | 24.33542 | 26.89024 | 26.86511 |
| Wyoming | 20.19004 | 20.11600 | 17.74573 | 17.83742 | 17.86023 | 17.87893 | 17.86891 | 17.89542 | 17.90731 | 21.84996 | 21.27074 |
| U.S. Average | 23.66758 | 23.36355 | 22.70619 | 22.44931 | 22.48756 | 22.31421 | 22.05262 | 21.91488 | 22.17880 | 22.94115 | 22.81966 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B10. Approximate Heat Content of Coal Consumed by Other Industrial Users, Selected Years, 1960-1998

(Million Btu per Short Ton)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 25.17776 | 24.96027 | 23.54166 | 22.98960 | 24.10560 | 24.38311 | 24.67898 | 24.84808 | 24.78508 | 24.67890 | 24.87433 |
| Alaska | 19.42837 | 19.25707 | 18.14004 | 17.68383 | – – | – – | – – | – – | 15.80000 | 15.84800 | 15.71000 |
| Arizona | 21.61434 | 21.42376 | 20.18105 | 19.77788 | 20.37305 | 20.25740 | 20.07050 | 19.96204 | 19.79709 | 19.54036 | 19.25030 |
| Arkansas | 25.42843 | 25.20422 | – – | 21.33575 | 21.40613 | 21.30956 | 22.80790 | 23.95685 | 23.98664 | 23.58123 | 24.43193 |
| California | 26.05221 | 25.82250 | 24.32464 | 22.98540 | 22.17313 | 23.29909 | 22.52224 | 23.29600 | 23.28200 | 23.05519 | 22.99659 |
| Colorado | 23.55826 | 23.35054 | 21.99607 | 21.39183 | 21.81821 | 21.56832 | 21.10513 | 21.70231 | 21.57372 | 21.57222 | 21.26260 |
| Connecticut | 25.78016 | 25.55285 | 24.07063 | 23.62736 | – – | 24.41914 | 25.19900 | – – | – – | – – | – – |
| Delaware | 25.35920 | 25.12886 | 23.74325 | 23.44148 | 24.47242 | 24.71973 | 24.93784 | 25.19175 | 25.14560 | 25.21542 | 25.16859 |
| District of Columbia | 25.88358 | 25.65536 | 24.16719 | 23.78591 | 24.35746 | – – | – – | – – | – – | – – | – – |
| Florida | – – | – – | – – | 23.54145 | 22.89184 | 24.77766 | 25.00471 | 25.10701 | 25.11598 | 25.05234 | 25.00217 |
| Georgia | 25.42319 | 25.19903 | 23.73733 | 23.50777 | 24.33122 | 24.81778 | 25.14819 | 25.19814 | 25.13735 | 25.08994 | 25.07925 |
| Hawaii | – – | – – | – – | – – | – – | 24.68800 | 24.81000 | 21.50000 | 21.50000 | 22.49862 | 23.04000 |
| Idaho | 22.54363 | 22.34486 | 21.04872 | 19.93455 | 17.68403 | 17.76163 | 17.85823 | 19.03477 | 18.16585 | 17.33200 | 18.15972 |
| Illinois | 23.84790 | 23.63069 | 22.26726 | 21.69430 | 22.35658 | 22.79936 | 22.55646 | 22.83681 | 22.84938 | 23.17145 | 23.04887 |
| Indiana | 24.01127 | 23.79938 | 22.41888 | 21.82415 | 22.25323 | 22.43118 | 22.71236 | 23.05468 | 22.71535 | 23.18017 | 23.25752 |
| Iowa | 23.56545 | 23.33520 | 21.98253 | 21.31980 | 21.51657 | 22.61050 | 22.58587 | 20.97803 | 21.30743 | 20.93210 | 21.17668 |
| Kansas | 22.67087 | 22.47098 | 21.16753 | 20.47974 | 21.56793 | 21.50635 | 24.22372 | 24.24071 | 25.47579 | 24.52305 | 24.79541 |
| Kentucky | 24.73441 | 24.49683 | 23.11929 | 22.90395 | 24.05911 | 24.51775 | 24.63342 | 24.84676 | 24.74520 | 24.48063 | 24.69544 |
| Louisiana | – – | – – | – – | – – | 22.15263 | 24.05362 | 19.97897 | 18.13611 | 25.01815 | 24.85731 | 25.18061 |
| Maine | 25.88863 | 25.62632 | 24.13365 | 23.97519 | 24.43949 | 24.86127 | 24.92375 | 25.10225 | 25.02589 | 24.98213 | 24.50979 |
| Maryland | 25.90399 | 25.67570 | 24.18970 | 23.65802 | 24.48487 | 24.72752 | 25.11792 | 25.32368 | 25.13270 | 25.11468 | 25.02943 |
| Massachusetts | 26.14994 | 25.90591 | 24.40195 | 23.79824 | 24.60203 | 24.84959 | 24.87740 | 25.17556 | 24.90749 | 25.03547 | 24.47621 |
| Michigan | 24.83068 | 24.61006 | 23.18747 | 22.89244 | 24.04413 | 24.74112 | 24.45063 | 24.02603 | 24.34533 | 24.35386 | 23.73938 |
| Minnesota | 19.52134 | 19.34921 | 18.22684 | 18.91730 | 17.08375 | 20.69045 | 18.56250 | 19.07827 | 19.14046 | 18.86921 | 18.61519 |
| Mississippi | 25.68109 | 25.45466 | 23.97813 | 23.21260 | 23.44243 | 23.39939 | 23.25386 | 24.07263 | 23.90664 | 23.67600 | 24.07408 |
| Missouri | 23.60136 | 23.39246 | 22.03613 | 21.43028 | 22.00267 | 22.32881 | 22.98843 | 23.17545 | 23.13412 | 22.82012 | 22.90858 |
| Montana | 22.82715 | 22.62588 | 21.31344 | 20.87854 | 19.03489 | 18.06841 | 18.37578 | 18.09956 | 18.21032 | 18.24449 | 17.91315 |
| Nebraska | 21.97456 | 21.78080 | 20.51738 | 19.28537 | 19.19380 | 18.59708 | 19.05305 | 19.35912 | 18.82313 | 19.13176 | 19.07469 |
| Nevada | 26.49581 | 26.14446 | 24.78307 | 23.42175 | 23.16143 | 23.56200 | 23.18400 | 22.66808 | 22.61981 | 22.98074 | 23.13890 |
| New Hampshire | 24.45007 | 24.23285 | 22.94496 | 23.36408 | 24.11207 | 24.62418 | 24.93865 | 25.21628 | – – | – – | – – |
| New Jersey | 25.38804 | 25.15576 | 23.71203 | 23.37734 | 23.52635 | 24.45329 | 25.23639 | 23.98345 | 24.63800 | 24.49700 | 23.78144 |
| New Mexico | 23.03750 | 22.83438 | 21.50984 | – – | 21.86701 | 21.62540 | 21.38800 | 22.00800 | 21.97600 | 21.78800 | 21.98800 |
| New York | 25.71896 | 25.48611 | 24.05437 | 23.63516 | 24.45387 | 24.85826 | 25.10824 | 25.11701 | 25.02823 | 25.16298 | 25.04125 |
| North Carolina | 25.44614 | 25.22177 | 23.75876 | 23.49028 | 24.41869 | 24.88021 | 24.93830 | 25.26890 | 25.14978 | 25.06093 | 25.06861 |
| North Dakota | 14.81208 | 14.68148 | 13.82987 | 13.03850 | 13.12013 | 13.16040 | 13.48903 | 13.35266 | 13.38232 | 13.28668 | 13.34170 |
| Ohio | 24.78928 | 24.56848 | 23.14857 | 22.67582 | 23.33942 | 24.17814 | 24.30376 | 24.51161 | 24.46949 | 24.43845 | 24.36431 |
| Oklahoma | 25.38348 | 25.15967 | – – | 23.43863 | 21.21166 | 21.43419 | 22.80216 | 22.67545 | 22.23193 | 20.88353 | 23.32931 |
| Oregon | 22.67719 | 22.47724 | 21.17342 | 20.34784 | 17.69347 | 17.86804 | 17.35230 | 19.02589 | 21.29915 | 20.52349 | 20.16974 |
| Pennsylvania | 25.47879 | 25.24913 | 23.88921 | 23.42998 | 24.11035 | 24.67778 | 24.92015 | 25.13491 | 25.06116 | 25.16267 | 24.90182 |
| Rhode Island | 24.72100 | 24.31600 | 23.47600 | 22.96321 | 24.09889 | 24.41914 | 25.19900 | – – | – – | – – | – – |
| South Carolina | 25.42102 | 25.19405 | 23.75586 | 23.47287 | 24.39898 | 24.86134 | 25.11786 | 25.19274 | 25.06364 | 25.08769 | 25.03090 |
| South Dakota | 19.90924 | 19.73370 | 18.58902 | 18.76511 | 19.21967 | 17.26200 | 17.33800 | 17.25800 | 17.30000 | 17.41854 | 17.51564 |
| Tennessee | 25.05567 | 24.83269 | 23.41284 | 23.12927 | 24.14518 | 24.57948 | 25.13269 | 25.13542 | 25.02032 | 25.00384 | 25.02139 |
| Texas | 16.85433 | 16.90156 | 17.88528 | 18.82484 | 16.29553 | 15.57653 | 14.78967 | 14.96538 | 15.34020 | 15.55204 | 14.23099 |
| Utah | 26.19847 | 25.96747 | 24.46120 | 23.64361 | 22.33114 | 22.27355 | 23.18867 | 23.00279 | 23.28200 | 23.48885 | 23.05627 |
| Vermont | 26.52519 | 26.29132 | 24.76626 | 24.05572 | 24.88781 | 24.26487 | 25.07890 | – – | – – | 24.49700 | 24.44600 |
| Virginia | 25.46128 | 25.23740 | 23.77727 | 23.47269 | 24.44795 | 24.90014 | 25.06954 | 25.08451 | 25.09830 | 24.94586 | 24.86104 |
| Washington | 25.95480 | 25.72596 | 24.23369 | 23.54643 | 21.36337 | 21.63429 | 22.70686 | 19.00628 | 19.65817 | 20.64702 | 23.00664 |
| West Virginia | 25.51633 | 25.29299 | 23.83024 | 23.52175 | 24.34671 | 24.84946 | 24.88832 | 24.97467 | 24.93964 | 24.96660 | 24.78222 |
| Wisconsin | 24.59694 | 24.37976 | 22.96605 | 21.95744 | 22.73534 | 23.32295 | 24.15041 | 24.21942 | 23.89132 | 24.13111 | 24.27928 |
| Wyoming | 20.53852 | 20.35742 | 19.17657 | 18.35566 | 17.95474 | 17.55529 | 22.17752 | 21.94055 | 21.89685 | 21.58115 | 21.93124 |
| U.S. Average | 24.65746 | 24.46031 | 23.06438 | 22.29033 | 22.69605 | 22.24945 | 22.42959 | 22.11162 | 22.15728 | 22.18651 | 21.96645 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B11. Approximate Heat Content of Coal Consumed by Other Industrial Users, 1999-2009
(Million Btu per Short Ton)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 24.87429 | 25.45000 | 25.56317 | 25.61134 | 25.60454 | 25.33626 | 24.56787 | 24.70862 | 24.93387 | 25.21823 | 25.35285 |
| Alaska | 15.71000 | 15.71000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 | 15.60000 |
| Arizona | 19.23730 | 22.16400 | 21.90688 | 22.34502 | 22.40728 | 21.93836 | 22.16263 | 22.04758 | 21.48787 | 20.59746 | 20.25710 |
| Arkansas | 24.43179 | 25.15400 | 24.92946 | 24.79729 | 24.30495 | 24.40426 | 25.22954 | 24.90428 | 24.60889 | 24.63625 | 24.92090 |
| California | 22.99659 | 23.79000 | 24.12823 | 23.88255 | 24.16352 | 24.12961 | 23.65788 | 24.09150 | 23.72794 | 23.35342 | 23.54885 |
| Colorado | 21.25734 | 21.70600 | 21.76792 | 23.37126 | 23.21756 | 22.77619 | 23.14017 | 22.74847 | 22.94668 | 23.17129 | 22.99906 |
| Connecticut | – – | – – | – – | – – | – – | – – | 24.69356 | – – | – – | – – | – – |
| Delaware | 25.16618 | 26.15092 | 26.08942 | 25.91692 | 25.68903 | 26.08198 | 26.36905 | 26.40967 | 26.37436 | 25.78812 | 25.52747 |
| District of Columbia | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Florida | 25.00308 | 25.75000 | 25.72868 | 25.61772 | 25.50327 | 25.85017 | 25.82357 | 25.40963 | 25.43144 | 25.43242 | 25.77969 |
| Georgia | 25.07909 | 25.64200 | 25.71929 | 25.89083 | 25.86071 | 25.66513 | 25.58213 | 25.67680 | 25.72364 | 25.25716 | 25.44031 |
| Hawaii | 23.04000 | 19.51800 | 18.13971 | 13.21369 | 26.40000 | 23.76000 | 23.87597 | 27.96538 | 24.96357 | 23.35631 | 23.11657 |
| Idaho | 18.15972 | 22.06000 | 20.56167 | 20.87305 | 20.27673 | 20.34949 | 20.57427 | 20.35847 | 20.11580 | 19.82713 | 19.96813 |
| Illinois | 23.05062 | 22.55200 | 22.27503 | 22.00140 | 21.63749 | 21.35039 | 21.60585 | 21.65652 | 21.59127 | 21.34908 | 20.91614 |
| Indiana | 23.26278 | 23.86600 | 24.72806 | 24.56617 | 24.09312 | 24.36426 | 23.44946 | 23.48307 | 23.72260 | 24.15176 | 23.68573 |
| Iowa | 21.17762 | 20.98000 | 20.98995 | 20.46674 | 20.79014 | 20.23722 | 20.18304 | 19.83169 | 20.21639 | 19.79344 | 19.61374 |
| Kansas | 24.79543 | 24.15600 | 23.38449 | 24.01263 | 24.28579 | 24.85503 | 24.51132 | 24.00164 | 23.95535 | 24.70479 | 23.49537 |
| Kentucky | 24.69546 | 26.40800 | 26.07951 | 26.73192 | 26.18923 | 26.29921 | 26.08980 | 26.10292 | 25.46282 | 25.91520 | 25.66917 |
| Louisiana | 25.18061 | 24.50200 | 24.79641 | 24.38702 | 24.23213 | 24.62068 | 24.26804 | 24.09402 | 24.34344 | 24.25409 | 23.56284 |
| Maine | 24.50979 | 25.92200 | 25.87095 | 25.85521 | 26.13598 | 25.57684 | 25.26999 | 25.43767 | 26.22635 | 26.24078 | 26.02192 |
| Maryland | 24.99151 | 25.07200 | 26.15043 | 25.73619 | 25.39493 | 25.12167 | 24.44112 | 24.17387 | 24.46496 | 24.30269 | 24.37407 |
| Massachusetts | 24.47621 | 27.07000 | 26.97528 | 27.05517 | 27.05441 | 27.23207 | 27.44733 | 26.26734 | 26.11529 | 26.53850 | 26.45096 |
| Michigan | 23.73938 | 24.91200 | 25.09757 | 25.51789 | 25.63669 | 25.18729 | 25.02474 | 24.87818 | 25.23345 | 24.94190 | 24.18524 |
| Minnesota | 18.61053 | 19.29400 | 19.46505 | 19.33533 | 18.93818 | 18.99910 | 18.99020 | 18.93201 | 19.04910 | 19.22290 | 19.19324 |
| Mississippi | 24.07408 | 23.92200 | 24.17841 | 24.36851 | 24.14262 | 23.32565 | 23.65026 | 24.16007 | 23.87344 | 23.36384 | 23.50386 |
| Missouri | 22.91315 | 23.12800 | 22.97924 | 23.15466 | 23.06086 | 23.00128 | 22.79619 | 22.73549 | 22.46448 | 22.50819 | 22.53649 |
| Montana | 18.02330 | 16.01600 | 16.45749 | 14.69448 | 14.62430 | 14.87796 | 14.69438 | 14.46974 | 14.78685 | 15.33862 | 14.81488 |
| Nebraska | 19.04352 | 20.50800 | 19.55943 | 20.50057 | 20.26782 | 20.10598 | 19.89831 | 19.42767 | 18.91903 | 18.78924 | 18.54736 |
| Nevada | 23.13890 | 23.28000 | 23.37973 | 23.05508 | 23.27639 | 23.02476 | 22.61537 | 22.65562 | 22.86834 | 21.82894 | 22.11466 |
| New Hampshire | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| New Jersey | 23.53789 | 25.50000 | 24.80000 | 25.20000 | 25.24380 | 25.23317 | 25.20163 | 25.06377 | – – | – – | – – |
| New Mexico | 21.98800 | 25.21200 | 25.06600 | 24.75071 | 25.19525 | 24.67538 | 24.58808 | 24.56943 | 24.64852 | 24.44471 | 24.66091 |
| New York | 25.04584 | 26.29400 | 25.53551 | 25.97046 | 26.07853 | 26.15033 | 26.37665 | 25.92775 | 26.25368 | 26.17590 | 25.98957 |
| North Carolina | 25.06878 | 26.49200 | 26.75042 | 26.39726 | 26.46086 | 26.32947 | 26.21123 | 26.25415 | 26.22276 | 26.12505 | 26.20120 |
| North Dakota | 13.34170 | 14.22800 | 14.17729 | 13.98412 | 14.31013 | 14.34435 | 14.27845 | 14.29338 | 14.28961 | 14.37678 | 14.45608 |
| Ohio | 24.36436 | 24.81600 | 25.03997 | 25.14220 | 25.08606 | 25.23022 | 25.10471 | 25.03739 | 25.19506 | 25.01954 | 24.79681 |
| Oklahoma | 23.32931 | 19.88200 | 19.97336 | 20.14169 | 20.43344 | 21.17481 | 21.15552 | 20.51318 | 20.64326 | 20.46905 | 19.14488 |
| Oregon | – – | – – | – – | 22.26898 | 23.08909 | 21.85459 | 23.53227 | 24.54067 | 24.53553 | 24.35075 | 24.48138 |
| Pennsylvania | 24.90660 | 24.47600 | 24.31768 | 24.11592 | 24.04275 | 23.71597 | 23.08512 | 22.68587 | 22.34064 | 22.14190 | 22.15528 |
| Rhode Island | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| South Carolina | 25.03144 | 26.27000 | 26.07798 | 26.33401 | 26.19595 | 25.98648 | 25.82668 | 25.74241 | 25.91484 | 25.86167 | 25.85775 |
| South Dakota | 17.51564 | 20.86800 | 16.86083 | 16.85455 | 16.76268 | 16.61502 | 16.63025 | 16.64773 | 16.91576 | 16.80974 | 16.61313 |
| Tennessee | 25.02261 | 26.08800 | 25.74152 | 26.03713 | 26.00196 | 25.99079 | 25.90898 | 25.92540 | 25.93565 | 26.06741 | 26.16026 |
| Texas | 14.22843 | 16.28000 | 17.00044 | 17.70065 | 17.54537 | 17.09972 | 17.16594 | 17.29000 | 21.64758 | 21.58698 | 20.48223 |
| Utah | 23.05627 | 23.21000 | 23.45310 | 23.01697 | 23.15785 | 21.02872 | 23.05499 | 23.16044 | 22.79889 | 22.71712 | 22.42655 |
| Vermont | 24.44600 | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Virginia | 24.86104 | 26.38600 | 26.21774 | 25.65424 | 26.31620 | 26.25933 | 26.11264 | 26.05355 | 26.07739 | 25.89165 | 25.72338 |
| Washington | 23.00664 | 22.33200 | 22.65849 | 22.06989 | 23.17996 | 21.86739 | 20.75241 | 21.28815 | 23.38872 | 19.96149 | 20.69139 |
| West Virginia | 24.78182 | 25.74200 | 25.53245 | 25.44492 | 25.17669 | 24.56337 | 24.80656 | 24.95200 | 24.97023 | 24.98111 | 25.36032 |
| Wisconsin | 24.27942 | 23.69800 | 23.54541 | 23.45084 | 23.18524 | 23.15207 | 23.09987 | 22.71690 | 22.77891 | 22.79363 | 22.49285 |
| Wyoming | 21.93124 | 20.11600 | 19.98672 | 20.14835 | 19.84803 | 19.91358 | 19.75331 | 19.82848 | 19.84741 | 19.64270 | 19.61387 |
| U.S. Average | 21.88346 | 22.47646 | 22.65178 | 22.57467 | 22.51083 | 22.46391 | 22.17371 | 22.03535 | 22.37089 | 22.27483 | 21.86728 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B12. Approximate Heat Content of Coal Consumed by the Electric Power Sector, Selected Years, 1960-1998
(Million Btu per Short Ton)

| State | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 24.12600 | 23.70400 | 23.31400 | 23.16350 | 23.91189 | 24.11116 | 24.29927 | 23.71814 | 23.62530 | 23.23960 | 23.11732 |
| Alaska | 17.72900 | 17.85800 | 17.08000 | 17.40000 | 15.80000 | 15.80000 | 15.80000 | 15.80000 | 15.80000 | 15.80000 | 16.90141 |
| Arizona | – – | 20.85000 | 21.23800 | 21.08957 | 21.24312 | 20.98564 | 20.95147 | 20.57766 | 20.44148 | 20.34739 | 20.38344 |
| Arkansas | – – | – – | – – | – – | 17.00887 | 17.20748 | 17.47750 | 17.36965 | 17.39802 | 17.41297 | 17.34710 |
| California | – – | – – | – – | – – | – – | – – | 20.70330 | 22.06625 | 23.45821 | 21.85178 | 22.24980 |
| Colorado | 20.54600 | 21.32200 | 21.53000 | 19.80780 | 19.99201 | 19.49701 | 19.65952 | 19.77843 | 19.90650 | 19.73791 | 19.76528 |
| Connecticut | 26.54800 | 25.90800 | 23.54800 | 23.90400 | – – | 26.31651 | 25.80757 | 25.61179 | 25.61007 | 25.78092 | 25.60594 |
| Delaware | 25.98200 | 26.39200 | 24.18600 | 24.53412 | 24.92212 | 25.92406 | 26.06306 | 26.17331 | 26.03587 | 26.13235 | 25.90669 |
| District of Columbia | 27.46000 | 26.94800 | 25.92000 | 25.61888 | – – | – – | – – | – – | – – | – – | – – |
| Florida | 24.60600 | 23.76200 | 22.74800 | 23.09252 | 23.68622 | 24.45038 | 24.81791 | 24.30112 | 24.38155 | 24.32881 | 24.27066 |
| Georgia | 25.04200 | 24.93200 | 23.75600 | 23.75121 | 23.80495 | 24.24094 | 23.63792 | 22.99264 | 23.07567 | 23.26596 | 23.34800 |
| Hawaii | – – | – – | – – | – – | – – | – – | 17.56757 | 22.46192 | 21.99277 | 21.86457 | 21.98890 |
| Idaho | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Illinois | 21.69400 | 21.44800 | 21.00200 | 20.25912 | 20.59267 | 20.96903 | 21.58672 | 20.23176 | 20.09605 | 19.81497 | 19.95586 |
| Indiana | 22.64000 | 22.46600 | 22.03000 | 21.22923 | 21.63186 | 21.31356 | 21.12450 | 20.72512 | 20.75962 | 20.84809 | 20.99836 |
| Iowa | 20.76800 | 21.21800 | 20.88800 | 20.38486 | 18.63318 | 18.19661 | 17.82578 | 17.46392 | 17.36788 | 17.35340 | 17.75846 |
| Kansas | 23.75400 | 24.19200 | 24.10000 | 19.95680 | 18.36976 | 17.53691 | 17.84113 | 17.46468 | 17.63768 | 17.53745 | 17.39772 |
| Kentucky | 22.97200 | 22.89200 | 21.85200 | 21.48102 | 22.91705 | 22.76930 | 23.09104 | 23.29869 | 23.07877 | 23.16404 | 23.09505 |
| Louisiana | – – | 16.03793 | – – | – – | – – | 16.90673 | 16.42027 | 16.16720 | 16.32941 | 16.25260 | 16.19171 |
| Maine | 28.58000 | – – | – – | – – | – – | – – | 28.00000 | 25.50000 | 25.50000 | 26.00000 | 25.50000 |
| Maryland | 26.61600 | 26.37200 | 24.61200 | 24.32290 | 24.75727 | 25.32555 | 25.47905 | 25.92837 | 25.77953 | 25.82604 | 25.83073 |
| Massachusetts | 26.35200 | 26.07200 | 23.26000 | 24.34726 | 26.75129 | 26.56066 | 26.12189 | 25.40011 | 25.28340 | 25.12795 | 25.11719 |
| Michigan | 24.88400 | 24.80400 | 24.20200 | 23.66213 | 24.02458 | 23.39292 | 22.24344 | 21.37664 | 21.04777 | 21.18818 | 21.17513 |
| Minnesota | 22.39000 | 22.17600 | 20.27400 | 17.94022 | 17.55670 | 17.45075 | 17.64386 | 17.69994 | 17.86324 | 17.81417 | 17.80430 |
| Mississippi | 24.85800 | 24.89000 | 24.09800 | 23.16389 | 23.99361 | 24.25244 | 25.11539 | 22.43229 | 21.98747 | 20.96791 | 21.25237 |
| Missouri | 21.90400 | 21.55000 | 21.51800 | 21.49363 | 21.30576 | 21.28922 | 20.75755 | 18.50887 | 18.16688 | 17.97357 | 17.86978 |
| Montana | 13.50000 | 13.14000 | 15.47400 | 15.95909 | 17.00328 | 17.30703 | 17.10463 | 16.99483 | 16.87895 | 16.81662 | 16.83133 |
| Nebraska | 24.78200 | 24.56800 | 23.91400 | 20.95357 | 18.80879 | 17.29876 | 17.12467 | 17.19095 | 17.19019 | 17.19342 | 17.16400 |
| Nevada | – – | 25.48800 | 25.65400 | 22.38788 | 22.07779 | 22.76835 | 22.19062 | 22.12016 | 22.27863 | 22.36387 | 22.40233 |
| New Hampshire | 25.44800 | 27.90400 | 27.43200 | 26.70098 | 26.81635 | 26.90451 | 26.64473 | 26.26872 | 26.25812 | 26.12156 | 26.28170 |
| New Jersey | 26.76842 | 26.45784 | 24.94400 | 25.40124 | 26.18199 | 26.47525 | 26.83090 | 26.51285 | 26.07115 | 26.01541 | 26.14646 |
| New Mexico | 25.00000 | 18.00400 | 17.96600 | 17.84874 | 17.69514 | 18.37577 | 18.23374 | 18.06103 | 18.22953 | 18.14272 | 18.16905 |
| New York | 26.50514 | 26.67800 | 24.66400 | 24.05032 | 24.63519 | 25.20035 | 25.71847 | 25.91197 | 25.83610 | 26.01414 | 26.04338 |
| North Carolina | 26.24200 | 25.81400 | 24.11400 | 23.78836 | 24.53799 | 24.97487 | 25.19066 | 25.05575 | 24.94896 | 24.80074 | 24.85444 |
| North Dakota | 13.83600 | 13.91800 | 13.66600 | 13.34445 | 13.23368 | 13.15028 | 13.26794 | 13.16609 | 13.18832 | 13.09621 | 13.12410 |
| Ohio | 23.77000 | 23.56400 | 22.50000 | 21.91934 | 22.88041 | 23.62539 | 23.77469 | 24.24279 | 24.07984 | 23.78736 | 23.81224 |
| Oklahoma | 25.94198 | 24.00000 | 25.07600 | 25.07607 | 17.39280 | 17.16768 | 17.79161 | 17.46308 | 17.48181 | 17.58891 | 17.67738 |
| Oregon | – – | – – | – – | – – | 16.39258 | 16.58400 | 16.69555 | 17.76504 | 17.56340 | 17.51550 | 17.37069 |
| Pennsylvania | 23.43570 | 24.09503 | 23.34132 | 23.49794 | 24.17625 | 24.44508 | 23.35218 | 22.65412 | 22.62252 | 22.70900 | 22.84248 |
| Rhode Island | 28.15200 | 27.46800 | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| South Carolina | 26.73400 | 25.82200 | 24.27400 | 24.16051 | 24.84295 | 25.13214 | 25.30294 | 25.70586 | 25.52136 | 25.70091 | 25.55763 |
| South Dakota | 17.16800 | 17.90400 | 16.57200 | 12.61613 | 12.59940 | 12.20986 | 13.20310 | 14.27626 | 18.32551 | 17.62504 | 17.75382 |
| Tennessee | 24.04000 | 23.59000 | 22.59400 | 21.98283 | 23.25397 | 23.65727 | 23.94393 | 24.29681 | 24.22004 | 23.99457 | 24.23173 |
| Texas | – – | – – | – – | 13.10305 | 14.79112 | 14.80734 | 14.57822 | 14.72568 | 14.98921 | 15.01066 | 15.05700 |
| Utah | 24.94000 | 25.18400 | 24.81200 | 23.64976 | 22.90042 | 23.60722 | 23.00247 | 22.78871 | 22.76216 | 22.40057 | 22.31132 |
| Vermont | 27.76000 | 27.34000 | 24.87000 | 25.74400 | 25.92600 | 25.62800 | – – | – – | – – | – – | – – |
| Virginia | 26.72600 | 26.47400 | 24.78200 | 23.93019 | 25.01317 | 25.62794 | 25.46145 | 25.53894 | 25.25975 | 25.15090 | 25.22663 |
| Washington | – – | – – | – – | 16.20000 | 16.20000 | 16.20000 | 16.27013 | 16.53810 | 15.86645 | 16.08781 | 16.43364 |
| West Virginia | 23.90800 | 23.73600 | 23.31800 | 23.22075 | 24.26929 | 24.82719 | 24.93097 | 24.48178 | 24.50303 | 24.54181 | 24.37571 |
| Wisconsin | 24.20800 | 24.03600 | 22.44600 | 21.23552 | 20.52333 | 19.54733 | 19.11105 | 18.56316 | 18.47512 | 18.67642 | 18.65018 |
| Wyoming | 14.84600 | 15.99000 | 16.53400 | 16.62585 | 17.59029 | 17.50962 | 17.68200 | 17.54191 | 17.47664 | 17.65017 | 17.63874 |
| U.S. Average | 23.92159 | 23.78120 | 22.57470 | 21.65048 | 21.35691 | 21.02274 | 20.77650 | 20.54157 | 20.54538 | 20.51618 | 20.51614 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

## Table B13. Approximate Heat Content of Coal Consumed by the Electric Power Sector, 1999-2009
(Million Btu per Short Ton)

| State | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 22.19134 | 22.06190 | 21.89221 | 22.45197 | 21.79318 | 21.47523 | 21.61294 | 21.54145 | 21.67367 | 21.26109 | 20.71354 |
| Alaska | 16.65753 | 16.57100 | 16.53408 | 16.13460 | 16.26433 | 16.04137 | 15.27687 | 15.30578 | 15.08520 | 14.45657 | 14.54582 |
| Arizona | 20.50387 | 20.42598 | 20.30467 | 20.30611 | 20.19154 | 20.39898 | 20.28681 | 20.26956 | 19.97240 | 19.67550 | 19.48405 |
| Arkansas | 17.30255 | 17.35216 | 17.41107 | 17.28087 | 17.01818 | 16.97861 | 16.95471 | 16.95785 | 16.97025 | 17.17531 | 17.11712 |
| California | 23.45239 | 23.50623 | 23.53335 | 23.59704 | 24.40935 | 24.37754 | 23.71536 | 24.38820 | 24.31097 | 23.80176 | 23.98892 |
| Colorado | 19.55575 | 19.68516 | 19.56638 | 19.57370 | 19.46454 | 19.66264 | 19.81655 | 19.60565 | 19.60517 | 19.67296 | 19.62278 |
| Connecticut | 24.57017 | 24.54238 | 24.57295 | 22.61785 | 20.35817 | 20.58489 | 20.22853 | 20.32643 | 20.58579 | 20.34505 | 21.95897 |
| Delaware | 25.85637 | 25.89995 | 22.85394 | 24.64016 | 24.86200 | 24.57168 | 24.28918 | 24.63733 | 24.81605 | 24.54760 | 24.68127 |
| District of Columbia | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Florida | 24.36377 | 24.39667 | 24.19654 | 24.47833 | 24.54170 | 24.31041 | 24.23466 | 24.05163 | 24.03623 | 23.71556 | 23.75536 |
| Georgia | 23.25969 | 23.17564 | 23.32263 | 23.27634 | 23.19329 | 21.86980 | 21.87928 | 21.90760 | 21.95509 | 21.60805 | 21.25027 |
| Hawaii | 21.92900 | 21.96268 | 21.95915 | 22.85558 | 22.78043 | 22.38158 | 22.18415 | 22.07703 | 22.12487 | 21.30587 | 21.41385 |
| Idaho | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Illinois | 19.88917 | 19.00766 | 18.96250 | 17.98552 | 18.05192 | 17.94055 | 17.68141 | 17.55926 | 17.49529 | 17.48718 | 17.46085 |
| Indiana | 21.17079 | 21.18776 | 21.07405 | 20.63657 | 20.77922 | 20.93030 | 21.19063 | 21.07852 | 20.92302 | 20.86885 | 20.80688 |
| Iowa | 17.74086 | 17.74159 | 17.75174 | 17.45934 | 17.40657 | 17.36765 | 17.28278 | 17.29399 | 17.23753 | 17.05344 | 17.06824 |
| Kansas | 17.28344 | 17.35757 | 17.40822 | 17.09551 | 17.07787 | 17.18522 | 17.00119 | 17.17619 | 17.14540 | 17.01472 | 17.01437 |
| Kentucky | 23.10287 | 23.21985 | 22.85597 | 23.02596 | 22.91007 | 22.74220 | 22.82043 | 22.85545 | 23.22461 | 22.88940 | 22.72381 |
| Louisiana | 16.29411 | 16.06360 | 16.02309 | 15.78423 | 15.83440 | 15.94059 | 15.95451 | 16.12599 | 16.05320 | 15.95925 | 16.04018 |
| Maine | 25.50065 | 25.50206 | 25.50913 | 25.67508 | 26.34278 | 25.70556 | 25.85265 | 25.64576 | 26.24602 | 25.76705 | 25.19476 |
| Maryland | 25.87305 | 25.58099 | 25.39357 | 25.94153 | 25.26517 | 25.16647 | 25.23948 | 25.19092 | 25.00874 | 25.29082 | 24.88576 |
| Massachusetts | 25.17950 | 25.13633 | 24.58141 | 24.98333 | 24.27228 | 23.58180 | 23.16258 | 23.10606 | 22.92145 | 22.85196 | 23.31710 |
| Michigan | 21.03606 | 20.87626 | 20.35290 | 19.80311 | 19.72285 | 19.57401 | 19.80124 | 19.85214 | 19.72277 | 19.52972 | 19.31702 |
| Minnesota | 17.81200 | 17.88333 | 17.84650 | 17.52943 | 17.68778 | 17.63046 | 17.64381 | 17.63271 | 17.68637 | 17.70291 | 17.59197 |
| Mississippi | 22.11560 | 23.07236 | 23.34428 | 19.15204 | 18.37832 | 18.21681 | 17.76711 | 17.96529 | 18.34497 | 18.32406 | 16.51225 |
| Missouri | 17.90978 | 17.83803 | 17.83536 | 17.58855 | 17.52202 | 17.54298 | 17.62647 | 17.53874 | 17.55256 | 17.52599 | 17.44373 |
| Montana | 16.84815 | 16.76161 | 16.76781 | 16.92120 | 17.00369 | 16.98414 | 16.87603 | 16.85404 | 16.83440 | 16.78311 | 16.91265 |
| Nebraska | 17.00357 | 17.26387 | 17.16865 | 17.18567 | 17.23930 | 17.08372 | 17.13192 | 17.01431 | 17.01089 | 16.97944 | 17.08600 |
| Nevada | 22.49028 | 22.46450 | 22.42843 | 20.35415 | 22.53116 | 22.19888 | 22.40665 | 22.79904 | 22.68834 | 21.72476 | 21.04336 |
| New Hampshire | 26.33989 | 26.26371 | 26.10294 | 26.03410 | 26.06670 | 26.14847 | 25.58350 | 27.36274 | 27.57257 | 27.17132 | 27.19008 |
| New Jersey | 26.14399 | 26.10622 | 26.00633 | 25.70562 | 25.49757 | 25.38477 | 25.04601 | 25.00918 | 23.93050 | 23.45131 | 23.44318 |
| New Mexico | 18.26593 | 18.38786 | 18.50342 | 18.57152 | 18.35153 | 18.44824 | 18.54649 | 18.52520 | 18.42953 | 18.36526 | 18.45266 |
| New York | 26.10032 | 26.09609 | 26.03933 | 25.59208 | 25.09965 | 24.07395 | 23.48868 | 22.91565 | 22.94660 | 22.02055 | 21.58535 |
| North Carolina | 24.94669 | 24.96554 | 24.69647 | 24.61092 | 24.69934 | 24.59170 | 24.63823 | 24.38898 | 24.58092 | 24.42968 | 24.61011 |
| North Dakota | 13.09452 | 13.05680 | 13.08158 | 13.00238 | 12.83980 | 12.93326 | 13.19614 | 13.07231 | 13.17149 | 13.30216 | 13.32610 |
| Ohio | 23.85473 | 23.54852 | 23.09420 | 23.27825 | 23.48272 | 23.41907 | 23.03406 | 22.81731 | 22.70492 | 22.42763 | 22.90127 |
| Oklahoma | 17.56985 | 17.71738 | 17.64096 | 17.63499 | 17.58214 | 17.58994 | 17.40067 | 17.43083 | 17.41296 | 17.17425 | 17.23408 |
| Oregon | 17.92307 | 17.27270 | 17.41227 | 17.00023 | 17.12684 | 16.87994 | 16.83949 | 16.72021 | 16.73586 | 16.67497 | 16.83733 |
| Pennsylvania | 23.02907 | 23.16297 | 22.44516 | 23.56468 | 22.98280 | 22.89989 | 22.49018 | 22.22317 | 22.28607 | 22.01264 | 21.92429 |
| Rhode Island | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| South Carolina | 25.56171 | 25.40681 | 25.12150 | 24.67291 | 24.99159 | 24.89171 | 24.83801 | 24.93642 | 24.88119 | 24.61119 | 24.78220 |
| South Dakota | 17.46863 | 17.18875 | 17.08216 | 16.95465 | 16.94182 | 16.95634 | 17.19573 | 16.94489 | 16.93546 | 16.78631 | 16.72299 |
| Tennessee | 24.26070 | 24.20313 | 24.17211 | 23.03553 | 22.89925 | 22.64532 | 22.02668 | 21.96961 | 21.69786 | 21.20838 | 21.03276 |
| Texas | 15.01573 | 15.19314 | 15.33008 | 15.44303 | 15.24670 | 15.27875 | 15.38507 | 15.44616 | 15.24276 | 15.38326 | 15.51691 |
| Utah | 22.90924 | 22.92554 | 22.74758 | 22.51816 | 22.30324 | 22.08183 | 21.70165 | 22.04669 | 22.30438 | 22.21677 | 21.90805 |
| Vermont | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – | – – |
| Virginia | 25.45736 | 25.67355 | 25.37158 | 25.42008 | 24.39707 | 24.46977 | 24.70347 | 24.82489 | 25.05643 | 24.78235 | 24.80581 |
| Washington | 16.46003 | 16.19347 | 16.00174 | 15.99992 | 15.79913 | 16.01380 | 15.83882 | 16.27828 | 16.28884 | 15.90236 | 16.19061 |
| West Virginia | 24.47831 | 24.33315 | 24.14704 | 24.20576 | 24.18395 | 24.05641 | 23.71011 | 23.83154 | 24.06430 | 23.65301 | 23.77381 |
| Wisconsin | 18.59654 | 18.88566 | 18.70978 | 19.23048 | 18.27612 | 18.34803 | 19.31630 | 17.80872 | 17.81311 | 17.69684 | 17.51464 |
| Wyoming | 17.61607 | 17.63312 | 17.72695 | 17.43899 | 17.79030 | 17.64503 | 17.56342 | 17.38634 | 17.28076 | 17.29399 | 17.36819 |
| U.S. Average | 20.48955 | 20.51062 | 20.33690 | 20.23817 | 20.08181 | 19.98002 | 19.98765 | 19.93054 | 19.90845 | 19.71272 | 19.52133 |

– – = Not applicable.
Where shown, R = Revised data.
Sources: See source listing at the end of this appendix.

# Thermal Conversion Factor Source Documentation

## Approximate Heat Content of Petroleum and Natural Gas Plant Liquids

**Asphalt.** EIA adopted the thermal conversion factor of 6.636 million British thermal units (Btu) per barrel as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956*.

**Aviation Gasoline.** EIA adopted the Bureau of Mines thermal conversion factor of 5.048 million Btu per barrel for "Gasoline, Aviation" as published by the Texas Eastern Transmission Corporation in Appendix V of *Competition and Growth in American Energy Markets 1947-1985*, a 1968 release of historical and projected statistics.

**Butane.** EIA adopted the Bureau of Mines thermal conversion factor of 4.326 million Btu per barrel as published in the *California Oil World and Petroleum Industry*, First Issue, April 1942.

**Butane-Propane Mixture.** EIA adopted the Bureau of Mines calculation of 4.130 million Btu per barrel based on an assumed mixture of 60 percent butane and 40 percent propane. See **Butane** and **Propane**.

**Crude Oil (Including Lease Condensate) Used Directly.** EIA adopted the thermal conversion factor of 5.800 million Btu per barrel as reported in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Value of Various Fuels, Adopted January 3, 1950."

**Distillate Fuel Oil.** EIA adopted the thermal conversion factor of 5.825 million Btu per barrel as reported in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Value of Various Fuels, Adopted January 3, 1950."

**Ethane.** EIA adopted the Bureau of Mines thermal conversion factor of 3.082 million Btu per barrel as published in the *California Oil World and Petroleum Industry,* First Issue, April 1942.

**Ethane-Propane Mixture.** EIA calculated 3.308 million Btu per barrel on the basis of an assumed mixture of 70 percent ethane and 30 percent propane. See **Ethane** and **Propane**.

**Isobutane.** EIA adopted the Bureau of Mines thermal conversion factor of 3.974 million Btu per barrel as published in the *California Oil World and Petroleum Industry*, First Issue, April 1942.

**Jet Fuel, Kerosene Type.** EIA adopted the Bureau of Mines thermal conversion factor of 5.670 million Btu per barrel for "Jet Fuel, Commercial" as published by the Texas Eastern Transmission Corporation in Appendix V of *Competition and Growth in American Energy Markets 1947-1985*, a 1968 release of historical and projected statistics.

**Jet Fuel, Naphtha Type.** EIA adopted the Bureau of Mines thermal conversion factor of 5.355 million Btu per barrel for "Jet Fuel, Military" as published by the Texas Eastern Transmission Corporation in Appendix V of *Competition and Growth in American Energy Markets 1947-1985*, a 1968 release of historical and projected statistics.

**Kerosene.** EIA adopted the thermal conversion factor of 5.670 million Btu per barrel as reported in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Values of Various Fuels, Adopted January 3, 1950."

**Liquefied Petroleum Gases.** (LGTCKUS)

- 1960 through 1966: U.S. Department of the Interior, Bureau of Mines, *Mineral Industry Surveys*, "Crude Petroleum and Petroleum Products, 1956," Table 4 footnote, constant value of 4.011 million Btu per barrel.

• 1967 forward: Calculated annually by EIA as a weighted average by multiplying the quantity consumed of each of the component products by each product's conversion factor, listed in this appendix, and dividing the sum of those heat contents by the sum of the quantities consumed. The component products are ethane (including ethylene), propane (including propylene), normal butane (including butylene), butane-propane mixtures, ethane-propane mixtures, and isobutane. Quantities consumed are from: EIA, *Energy Data Reports*, "Petroleum Statement, Annual," Table 1 (1967 through 1980), EIA, *Petroleum Supply Annual*, Table 2 (1981 through 2004), and EIA, *Petroleum Supply Annual*, Table 1 (2005 forward).

**Lubricants.** EIA adopted the thermal conversion factor of 6.065 million Btu per barrel as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956.*

**Miscellaneous Products.** EIA adopted the thermal conversion factor of 5.796 million Btu per barrel as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956.*

**Motor Gasoline.** (MGTCKUS)
• 1960 through 1993: EIA adopted the Bureau of Mines thermal conversion factor of 5.253 million Btu per barrel for "Gasoline, Motor Fuel" as published by the Texas Eastern Transmission Corporation in Appendix V of *Competition and Growth in American Energy Markets 1947-1985*, a 1968 release of historical and projected statistics.
• 1994 forward: EIA calculates national annual quantity-weighted average conversion factors for conventional, reformulated, and oxygenated motor gasolines (see Table B1). The factor for conventional motor gasoline is 5.253 million Btu per barrel, as used for previous years. The factors for reformulated and oxygenated gasolines, both currently 5.150 million Btu per barrel, are based on data published in the Environmental Protection Agency, Office of Mobile Sources, National Vehicle and Fuel Emissions Laboratory report EPA 420-F-95-003, *Fuel Economy Impact Analysis of Reformulated Gasoline*.

**Natural Gasoline.** EIA adopted the thermal conversion factor of 4.620 million Btu per barrel as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956*.

**Pentanes Plus.** EIA assumed the thermal conversion factor to be 4.620 million Btu per barrel, equal to that for natural gasoline. See **Natural Gasoline**.

**Petrochemical Feedstocks, Naphtha Less Than 401 ºF.** EIA assumed the thermal conversion factor to be 5.248 million Btu per barrel, equal to that for special naphthas. See **Special Naphthas**.

**Petrochemical Feedstock, Other Oils Equal to or Greater Than 401 ºF.** EIA assumed the thermal conversion factor to be 5.825 million Btu per barrel, equal to that for distillate fuel oil. See **Distillate Fuel Oil**.

**Petrochemical Feedstock, Still Gas.** Assumed by EIA to be 6.000 million Btu per barrel, equal to the thermal conversion factor for still gas. See **Still Gas**.

**Petroleum Coke.** EIA adopted the thermal conversion factor of 6.024 million Btu per barrel as reported in Btu per short ton in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Value of Various Fuels, Adopted January 3, 1950." The Bureau of Mines calculated this factor by dividing 30,120,000 Btu per short ton, as given in the referenced Bureau of Mines internal memorandum, by 5.0 barrels per short ton, as given in the Bureau of Mines Form 6–1300–M and successor EIA forms.

**Petroleum Products, Total Consumption.** Calculated annually by EIA as the average of the thermal conversion factors for all petroleum products consumed, weighted by the quantity of each petroleum product consumed.

**Plant Condensate.** EIA estimated 5.418 million Btu per barrel from data provided by McClanahan Consultants, Inc., Houston, Texas.

**Propane.** EIA adopted the Bureau of Mines thermal conversion factor of 3.836 million Btu per barrel as published in the *California Oil World and Petroleum Industry*, First Issue, April 1942.

**Residual Fuel Oil.** EIA adopted the thermal conversion factor of 6.287 million Btu per barrel as reported in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Values of Various Fuels, Adopted January 3, 1950."

**Road Oil.** EIA adopted the Bureau of Mines thermal conversion factor of 6.636 million Btu per barrel, equal to that of asphalt and first published by the Bureau of Mines in the *Petroleum Statement, Annual, 1970*. See **Asphalt**.

**Special Naphthas.** EIA adopted the Bureau of Mines thermal conversion factor of 5.248 million Btu per barrel, equal to that of total gasoline (aviation and motor) and first published in the *Petroleum Statement, Annual, 1970*.

**Still Gas.** EIA adopted the Bureau of Mines estimated thermal conversion factor of 6.000 million Btu per barrel and first published in the *Petroleum Statement, Annual, 1970*.

**Unfinished Oil.** EIA assumed the thermal conversion factor to be 5.825 million Btu per barrel, equal to that for distillate fuel oil and first published in the *Annual Report to Congress, Volume 3, 1977*. See **Distillate Fuel Oil**.

**Unfractionated Stream.** EIA assumed the thermal conversion factor to be 5.418 million Btu per barrel, equal to that for plant condensate and first published in the EIA, *Annual Report to Congress, Volume 2, 1981*. See **Plant Condensate**.

**Waxes.** EIA adopted the thermal conversion factor of 5.537 million Btu per barrel as estimated by the Bureau of Mines and first published in the EIA, *Petroleum Statement, Annual, 1956*.

## Approximate Heat Content of Natural Gas

**Natural Gas, Total Consumption.** (NGTCKZZ)

- 1960 through 1962: EIA adopted the thermal conversion factor of 1,035 Btu per cubic foot as estimated by the Bureau of Mines and first published in the *Petroleum Statement, Annual, 1956*.
- 1963 through 1979: EIA adopted the thermal conversion factors calculated annually by the American Gas Association (AGA) and published in *Gas Facts*, an AGA annual.
- 1980 through 1996: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16.
- 1997 forward: EIA, *Natural Gas Annual*, Table 16, http://www.eia.gov/oil_gas/natural_gas/data_publications/natural_gas_annual/ nga_historical.html and unpublished revisions.

**Natural Gas, Consumption by the Electric Power Sector.** (NGEIKZZ)

- 1960 through 1971: Assumed by EIA to be equal to the thermal conversion factor for the consumption of natural gas by all users. See **Natural Gas, Total Consumption.**
- 1972 through 1982: Calculated annually by EIA by dividing the total heat content of natural gas received at steam electric plants 25 megawatts or greater by the total quantity received at those electric plants. The heat contents and quantities received are from the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."
- 1983 through 1988: The average heat content of natural gas received at steam electric plants 50 megawatts capacity or larger from FERC Form 423 and published from 1993 forward in Btu per cubic foot in the EIA, *Cost and Quality of Fuels for Electric Utility Plants,* Table 14, http://www.eia.gov/cneaf/ electricity/cq/cq_sum.html. Note: For States that reported consumption on EIA-759 but were not large enough to report on FERC Form 423, factors were estimated by using previous years' factors or the factor for total natural gas consumption in the State.
- 1989 forward: Calculated by dividing the total heat content of natural gas received at electric power plants (including electric utilities, nonutility power plants and combined heat-and-power plants) by the total quantity consumed in physical units collected by the EIA on Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/ cneaf/electricity/page/eia906_920.html.

## Approximate Heat Content of Coal and Coal Coke

**Coal, Consumption at Coke Plants.** (CLKCKZZ)

- 1960 through 1997: Calculated by EIA as the consumption-weighted average of national-level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS. — Anthracite conversion factor (for all end-use sectors) sources: –1960 through 1997: Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for." — Bituminous coal and lignite conversion factor sources: –1960 through 1972: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coal-Bituminous and Lignite," sum of columns

"Beehive coke plants" and "Oven coke plants." –1973 through 1984: EIA, *Weekly Coal Production*, August 9, 1986, Table 8. –1985 through 1987: EIA, *Weekly Coal Production*, July 16, 1988, Table 7. –1988 through 1997: EIA, Unpublished data from Form EIA-5.

• 1998 through 2000: Average total coal factors by State calculated by EIA using unpublished data from Form EIA-5. The 1998 State factors are used for 1999 and 2000.

• 2001 forward: Calculated by EIA from data reported on Form EIA-5, "Quarterly Coal Consumption and Quality Report, Coke Plants." Coke plant data on tons of coal carbonized to create coke, the volatilities of the coal carbonized, and conversion factors based on coal volatility are used to calculate average conversion factors by State.

**Coal, Consumption by the Electric Power Sector.** (CLEIKZZ)

• 1960 through 1988: Calculated by EIA as the consumption-weighted average of national- level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS. — Anthracite conversion factor sources: –1960 through 1972: U.S. Energy Information Administration (EIA) assumed that all anthracite consumed at electric utilities was recovered from culm banks and river dredging and was estimated to have an average heat content of 17.500 million Btu per short ton. –1973 through 1988: Calculated annually by EIA by dividing the heat content of anthracite receipts at electric utilities by the quantity of anthracite received at electric utilities. These data are reported on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms. — Bituminous coal and lignite conversion factor sources: –1960 through 1972: EIA adopted the average thermal conversion factor of the Bureau of Mines, which used the National Coal Association (NCA) average thermal conversion factor for electric utilities calculated from the Federal Power Commission's (FPC) Form 1 and published in *Steam Electric Plant Factors*, an NCA annual report. The specific tables are: –1960 and 1961, Table 1. –1962 through 1972, Table 2. –1973 through 1982: The average heat content of coal received at steam electric plants 25 megawatts or greater from FPC Form 423 and published in Btu per pound in EIA, *Cost and Quality of Fuels for Electric Utility Plants*, tables titled "Destination and Origin of Coal 'Delivered to' (1973–1979) 'Receipts to' (1980) 'Received at' (1981–1982) Steam-Electric Plants 25-MW or Greater." –1983 through 1988: The average heat content of coal received at steam electric plants 50 megawatts capacity or larger from FERC Form 423 and published in Btu per pound in the EIA, *Cost and Quality of Fuels for Electric Utility Plants.* The 1997 edition is available electronically only via Internet at: http://www.eia.gov/FTPROOT/electricity/019197.pdf. The specific tables are: –1983 and 1984, Table 58. –1985 through 1988, Table 48.

Notes: The State conversion factors for 1960 through 1972 were derived from actual consumption data, while the conversion factors for 1973 to 1988 were based on receipts of coal. The factors for 1960 through 1972 may also have included some quantities of anthracite. These breaks in the series create some data discrepancies. In instances where a State had no receipts for a particular year but did report consumption, it was assumed that the coal received in one year was consumed during the following year and the Btu value of the previous year's receipts was used.

• 1989 forward: Calculated by dividing the total heat content of coal received at electric power plants (including electric utilities, nonutility power plants and combined heat-and-power plants) by the total quantity consumed in physical units collected on Form EIA-923, "Power Plant Operations Report," and predecessor forms, http://www.eia.gov/cneaf/electricity/page/eia906_920.html.

• Alaska factors: The sources used to develop thermal conversion factors for bituminous coal and lignite consumed by the electric power sector—the National Coal Association report and the Federal Power Commission's (FPC) Form 423 and FERC Form 423 published in the *Cost and Quality of Fuels for Electric Utility Plants*—exclude Alaska. However, Alaska reported consumption of bituminous coal and lignite at electric utilities for all years, 1960 forward. Unpublished FPC heat rates for coal at electric utilities in Alaska were used for 1960 through 1972. The 1972 conversion factor (the last year for which a conversion factor was reported for Alaska) was used for 1973 through 1978. According to industry sources, new mines were opened in 1978 and a more representative factor was used for 1979 through 1997. From 1998 forward, the Alaska factor is calculated using the same methodology as is used for other States, described above.

**Coal, Consumption by Other Industrial Users.** (CLOCKZZ)

• 1960 through 1997: Calculated by EIA as the consumption-weighted average of national level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS. — Anthracite conversion factor sources: –1960 through 1997: Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for." — Bituminous coal and lignite conversion factor sources: –1960 through 1973:

Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed by industrial users other than coke plants by the ratios of 1960 through 1973 national averages for the other industrial users to its 1974 average. –1974 through 1997: Calculated by EIA by assuming that the bituminous coal and lignite consumed by industrial users other than coke plants in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to other industrial users in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.

- 1998 through 2000: The average heat content of coal received at manufacturing plants (other than coke plants) consuming more than 1,000 short tons of coal during the year from Form EIA-3A and published in Btu per pound in the EIA *Annual Coal Report* and predecessor publications.
- 2001 forward: Calculated by EIA using unpublished data as the average heat content of (1) coal received at manufacturing plants (other than coke plants) consuming more than 1,000 short tons of coal annually from Form EIA-3, "Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users," and predecessor forms; (2) coal distributed to agricultural, mining, and construction sectors reported on Form EIA-6A, "Coal Distribution Report - Annual" with heat contents for the coal producing State reported on FERC Form 423 and Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants" (discontinued after 2007); and (3) coal consumed by coal mining facilities reported on Form EIA-7A, "Coal Production Report," with heat contents for the coal producing State reported on Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Coal, Consumption by Residential and Commercial Users.** (CLHCKZZ)

- 1960 through 1997: Calculated by EIA as the consumption-weighted average of national-level anthracite conversion factors and State-level bituminous coal and lignite factors using factors and consumption from SEDS. — Anthracite conversion factor sources: –1960 through 1997: Calculated annually by EIA by dividing the heat content of anthracite produced less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumption by all sectors other than the electric utility sector less the quantity of anthracite stock changes, losses, and "unaccounted for." — Bituminous coal and lignite conversion factor sources: –1960 through 1973: Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed in the residential and commercial sector by the ratios of 1960 through 1973 national averages for the sector to its 1974 average. –1974 through 1997: Calculated by EIA by assuming that the bituminous coal and lignite consumed in the residential and commercial sector in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to the residential and commercial sector in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.
- 1998 through 2000: The average heat content of coal received for the residential and commercial sectors as reported on the EIA-860. For States that are not represented in data on the EIA-860, it is assumed that the heat content of the coal receipts in theses sectors is equivalent to the heat content of coal received in the other industrial sector. For States that are not represented in either the EIA-3A data or the EIA-860 data (CT, NH, VT and DC), the heat content of coal receipts in MA is used for CT, NH, and VT, and the heat content of coal receipts in MD is used for DC, since the origin of the coal receipts are similar.
- 2001 through 2007: Calculated by EIA from the coal distribution data reported on Form EIA-6A, "Coal Distribution Report - Annual," and the average heat content of coal reported on FERC Form 423 and Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants." Form EIA-6A provides distribution data for the combined residential and commercial sectors by State of origin to the destination State. FERC Form 423 and Form EIA-423 provide the average heat content of coal produced in the State of origin.
- 2008 forward: Calculated by EIA using unpublished data as the average heat content of coal received at commercial and institutional establishments consuming more than 1,000 short tons of coal annually from Form EIA-3, "Quarterly Coal Consumption and Quality Report, Manufacturing and Transformation/Processing Coal Plants and Commercial and Institutional Coal Users."

**Coal, Consumption by Transportation Users.** (CLACKZZ)
- 1960 through 1977: Assumed by EIA to be equal to the Btu conversion factor for bituminous coal and lignite consumption by industrial users other than coke plants: –1960 through 1973: Estimated by EIA by adjusting the 1974 average heat value of bituminous coal and lignite consumed by industrial users other than coke plants by the ratios of 1960 through 1973 national averages for the other industrial users to its 1974 average. –1974 through 1977: Calculated by EIA by assuming that the bituminous coal and lignite consumed by industrial users other than coke plants in each State contained heating values equal to those of bituminous coal and lignite received at electric utilities in each State from identified coal-producing districts as reported on Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." The average Btu content of coal delivered from each coal-producing district was applied to deliveries to other industrial users in each State and the sum total of the heat content was divided by total tonnages, yielding a weighted average. The coal distribution data by coal-producing district are reported on Form EIA-6, "Coal Distribution Report," and predecessor Bureau of Mines Form 6-1419-Q.
- 1978 forward: Transportation sector coal is included in the other industrial category. Zero is entered for this variable.

**Coal Coke, Imports and Exports.** EIA adopted the Bureau of Mines estimate of 24.800 million Btu per short ton.

## Approximate Heat Content of Renewable Energy Sources

**Fuel Ethanol.** Fuel ethanol, which is derived from agricultural feedstocks (primarily corn) and blended into motor gasoline, is computed separately in SEDS to display the use of renewable energy in the commercial, industrial, and transportation sector. EIA adopted the denatured thermal conversion factor of 3.563 million Btu per barrel published in EIA, *Monthly Energy Review*, Table A3 of Appendix A, http://www.eia.gov/totalenergy/data/annual/txt/ptb1303.html. This factor is calculated by EIA using the 2009 quantity-weighted average of the thermal conversion factors for undenatured ethanol (3.539 million Btu per barrel), pentanes plus used as denaturant (4.620 million Btu per barrel), and conventional motor gasoline used as denaturant (5.253 million Btu per barrel). The undenatured thermal conversion factor of 3.539 million Btu per barrel is published in "Oxygenate Flexibility for Future Fuels," a paper presented by William J. Piel of the ARCO Chemical Company at the National Conference on Reformulated Gasolines and Clean Air Act Implementation, Washington, D.C., October 1991.

**Wood, Consumption by the Residential and Commercial Sectors.** Estimated by EIA to be 20 million Btu per cord of wood. This rough average factor takes into account a number of variables, such as moisture content and species of wood, as explained in the EIA, *Household Energy Consumption and Expenditures 1993*, page 314.

## Approximate Heat Rates for Electricity

**Fossil-Fueled Steam-Electric Plant Generation.** (FFETKUS) There is no generally accepted practice for measuring the thermal conversion rates for power plants that generate electricity from hydroelectric, biomass fuels, geothermal, wind, photovoltaic, or solar thermal energy sources. Therefore, EIA uses data from Form EIA–767 to calculate a rate factor that is equal to the prevailing annual average heat rate factor for fossil-fueled steam-electric power plants in the United States. By using that factor, it is possible to evaluate fossil fuel requirements for replacing those sources during periods of interruption, such as droughts. The heat content of a kilowatthour of electricity produced, regardless of the generation process, is 3,412 Btu per kilowatthour.
- 1960 through 1988: The weighted annual average heat rate for fossil-fueled steam-electric power plants in the United States, as published by EIA in *Electric Plant Cost and Power Production Expenses 1991*, Table 9.
- 1989 through 2000: Calculated annually by EIA by using heat rate data reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms); and net generation data reported on Form EIA-759, "Monthly Power Plant Report." The computation includes data for all electric utility steam-electric plants using fossil fuels.
- 2001 forward: Calculated annually by EIA by using fuel consumption and net generation data reported on Form EIA-923, "Power Plant Operations Report," and predeccessor forms. The computation includes data for all electric utilities and electricity-only independent power producers using fossil fuels.

**Nuclear Steam-Electric Plant Generation.** (NUETKUS)

• 1960 through 1984: Calculated annually by EIA by dividing the total heat content consumed in nuclear generating units by the total (net) electricity generated by nuclear generating units. The heat content and electricity generation data are reported on FERC Form 1, Form EIA-412, and predecessor forms. The factors for 1982 through 1991 are published in the following EIA reports—1982: *Historical Plant Cost and Annual Production Expenses for Selected Electric Plants 1982*, page 215; 1983 and 1984: *Electric Plant Cost and Power Production Expenses 1991*, Table 13.

• 1985 forward: Calculated annually by EIA using the heat rate reported on Form EIA-860, "Annual Electric Generator Report" (and predecessor forms), and the generation reported on Form EIA-923, "Power Plant Operations Report" (and predecessor forms).

Appendix C

# Resident Population

The population data used in the U.S. Energy Information Administration State Energy Data System (SEDS) to calculate per capita consumption are shown in Tables C1 through C5. The data are the U.S. Department of Commerce, Bureau of the Census, resident population estimates by State. The reference date for the estimates is July 1 of each year.

The sum of the State estimates may not match the U.S. estimates. More recent revisions to the U.S. estimates have been incorporated into the U.S. tables available on the Census Bureau website that are not included in the State estimates.

### *Data Sources*

TPOPPUS — Resident population of the United States.

- 1960 through 1989: U.S. Department of Commerce, Bureau of the Census http://www.census.gov/popest/archives/1990s/popclockest.txt
- 1990 through 1999: U.S. Department of Commerce, Bureau of the Census, Internet Release http://www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/
- 2000 forward: http://www.census.gov/popest/states/NST-ann-est.html

TPOPPZZ — Resident population by State.

- 1960 and 1970: U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States, 1980,* Section 1 Population, "No. 10. Resident Population--States: 1950 to 1979."
- 1980: U.S. Department of Commerce, Bureau of the Census, http://www.census.gov/popest/archives/1980s/s5yr8090.txt
- 1960 through 1989: U.S. Department of Commerce, Bureau of the Census, *Current Population Reports*, "Population Estimates and Projections," Series P-25. Specific publication numbers and table numbers:
  - 1961 through 1969: Number 460, Table 1.
  - 1971 through 1979: Number 957, Table 4.
  - 1981 through 1989: Number 1058, Table 3.
- 1990 through 1999: U.S. Department of Commerce, Bureau of the Census, Internet Release http://www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/index.html
- 2000 forward: http://www.census.gov/popest/states/NST-ann-est.html

## Table C1. Resident Population by State, 1960-1969
(Thousand People)

| State | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 3,274 | 3,316 | 3,323 | 3,358 | 3,395 | 3,443 | 3,464 | 3,458 | 3,446 | 3,440 |
| Alaska | 229 | 238 | 246 | 256 | 263 | 271 | 271 | 278 | 285 | 296 |
| Arizona | 1,321 | 1,407 | 1,471 | 1,521 | 1,556 | 1,584 | 1,614 | 1,646 | 1,682 | 1,737 |
| Arkansas | 1,789 | 1,806 | 1,853 | 1,875 | 1,897 | 1,894 | 1,899 | 1,901 | 1,902 | 1,913 |
| California | 15,870 | 16,497 | 17,072 | 17,668 | 18,151 | 18,585 | 18,858 | 19,176 | 19,394 | 19,711 |
| Colorado | 1,769 | 1,844 | 1,899 | 1,936 | 1,970 | 1,985 | 2,007 | 2,053 | 2,120 | 2,166 |
| Connecticut | 2,544 | 2,586 | 2,647 | 2,727 | 2,798 | 2,857 | 2,903 | 2,935 | 2,964 | 3,000 |
| Delaware | 449 | 461 | 469 | 483 | 497 | 507 | 516 | 525 | 534 | 540 |
| District of Columbia | 765 | 778 | 788 | 798 | 798 | 797 | 791 | 791 | 778 | 762 |
| Florida | 5,004 | 5,243 | 5,458 | 5,628 | 5,781 | 5,954 | 6,104 | 6,242 | 6,433 | 6,641 |
| Georgia | 3,956 | 4,015 | 4,086 | 4,172 | 4,258 | 4,332 | 4,379 | 4,408 | 4,482 | 4,551 |
| Hawaii | 642 | 659 | 684 | 682 | 700 | 704 | 710 | 723 | 734 | 750 |
| Idaho | 671 | 684 | 692 | 683 | 680 | 686 | 689 | 688 | 695 | 707 |
| Illinois | 10,086 | 10,130 | 10,280 | 10,402 | 10,580 | 10,693 | 10,836 | 10,947 | 10,995 | 11,039 |
| Indiana | 4,674 | 4,730 | 4,736 | 4,799 | 4,856 | 4,922 | 4,999 | 5,053 | 5,093 | 5,143 |
| Iowa | 2,756 | 2,756 | 2,750 | 2,747 | 2,746 | 2,742 | 2,762 | 2,793 | 2,803 | 2,805 |
| Kansas | 2,183 | 2,215 | 2,231 | 2,217 | 2,209 | 2,206 | 2,200 | 2,197 | 2,216 | 2,236 |
| Kentucky | 3,041 | 3,054 | 3,079 | 3,096 | 3,129 | 3,140 | 3,147 | 3,172 | 3,195 | 3,198 |
| Louisiana | 3,260 | 3,287 | 3,345 | 3,377 | 3,446 | 3,496 | 3,550 | 3,581 | 3,603 | 3,619 |
| Maine | 975 | 995 | 994 | 993 | 993 | 997 | 999 | 1,004 | 994 | 992 |
| Maryland | 3,113 | 3,176 | 3,263 | 3,386 | 3,492 | 3,600 | 3,695 | 3,757 | 3,815 | 3,868 |
| Massachusetts | 5,160 | 5,219 | 5,263 | 5,344 | 5,448 | 5,502 | 5,535 | 5,594 | 5,618 | 5,650 |
| Michigan | 7,834 | 7,893 | 7,933 | 8,058 | 8,187 | 8,357 | 8,512 | 8,630 | 8,696 | 8,781 |
| Minnesota | 3,425 | 3,470 | 3,513 | 3,531 | 3,558 | 3,592 | 3,617 | 3,659 | 3,703 | 3,758 |
| Mississippi | 2,182 | 2,206 | 2,243 | 2,244 | 2,241 | 2,246 | 2,245 | 2,228 | 2,219 | 2,220 |
| Missouri | 4,326 | 4,349 | 4,357 | 4,392 | 4,442 | 4,467 | 4,523 | 4,539 | 4,568 | 4,640 |
| Montana | 679 | 696 | 698 | 703 | 706 | 706 | 707 | 701 | 700 | 694 |
| Nebraska | 1,417 | 1,446 | 1,464 | 1,476 | 1,482 | 1,471 | 1,456 | 1,457 | 1,467 | 1,474 |
| Nevada | 291 | 315 | 352 | 397 | 426 | 444 | 446 | 449 | 464 | 480 |
| New Hampshire | 609 | 618 | 632 | 649 | 663 | 676 | 681 | 697 | 709 | 724 |
| New Jersey | 6,103 | 6,265 | 6,376 | 6,531 | 6,660 | 6,767 | 6,851 | 6,928 | 7,005 | 7,095 |
| New Mexico | 954 | 965 | 979 | 989 | 1,006 | 1,012 | 1,007 | 1,000 | 994 | 1,011 |
| New York | 16,838 | 17,061 | 17,301 | 17,461 | 17,589 | 17,734 | 17,843 | 17,935 | 18,051 | 18,105 |
| North Carolina | 4,573 | 4,663 | 4,707 | 4,742 | 4,802 | 4,863 | 4,896 | 4,952 | 5,004 | 5,031 |
| North Dakota | 634 | 641 | 637 | 644 | 649 | 649 | 647 | 626 | 621 | 621 |
| Ohio | 9,734 | 9,854 | 9,929 | 9,986 | 10,080 | 10,201 | 10,330 | 10,414 | 10,516 | 10,563 |
| Oklahoma | 2,336 | 2,380 | 2,427 | 2,439 | 2,446 | 2,440 | 2,454 | 2,489 | 2,503 | 2,535 |
| Oregon | 1,772 | 1,787 | 1,818 | 1,853 | 1,888 | 1,937 | 1,969 | 1,979 | 2,004 | 2,062 |
| Pennsylvania | 11,329 | 11,392 | 11,355 | 11,424 | 11,519 | 11,620 | 11,664 | 11,681 | 11,741 | 11,741 |
| Rhode Island | 855 | 858 | 871 | 876 | 885 | 893 | 899 | 909 | 922 | 932 |
| South Carolina | 2,392 | 2,409 | 2,423 | 2,460 | 2,475 | 2,494 | 2,520 | 2,533 | 2,559 | 2,570 |
| South Dakota | 683 | 693 | 705 | 708 | 701 | 692 | 683 | 671 | 669 | 668 |
| Tennessee | 3,575 | 3,622 | 3,673 | 3,718 | 3,771 | 3,798 | 3,822 | 3,859 | 3,878 | 3,897 |
| Texas | 9,624 | 9,820 | 10,053 | 10,159 | 10,270 | 10,378 | 10,492 | 10,599 | 10,819 | 11,045 |
| Utah | 900 | 936 | 958 | 974 | 978 | 991 | 1,009 | 1,019 | 1,029 | 1,047 |
| Vermont | 389 | 390 | 393 | 397 | 399 | 404 | 413 | 423 | 430 | 437 |
| Virginia | 3,986 | 4,095 | 4,180 | 4,276 | 4,357 | 4,411 | 4,456 | 4,508 | 4,558 | 4,614 |
| Washington | 2,855 | 2,882 | 2,942 | 2,955 | 2,961 | 2,967 | 3,057 | 3,174 | 3,270 | 3,343 |
| West Virginia | 1,853 | 1,828 | 1,809 | 1,796 | 1,797 | 1,786 | 1,775 | 1,769 | 1,763 | 1,746 |
| Wisconsin | 3,962 | 4,009 | 4,049 | 4,112 | 4,165 | 4,232 | 4,274 | 4,303 | 4,345 | 4,378 |
| Wyoming | 331 | 337 | 333 | 336 | 339 | 332 | 323 | 322 | 324 | 329 |
| United States | 180,671 | 183,691 | 186,538 | 189,242 | 191,889 | 194,303 | 196,560 | 198,712 | 200,706 | 202,677 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table C2. Resident Population by State, 1970-1979
(Thousand People)

| State | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 3,451 | 3,497 | 3,539 | 3,580 | 3,626 | 3,679 | 3,735 | 3,780 | 3,832 | 3,866 |
| Alaska | 304 | 316 | 324 | 331 | 341 | 376 | 401 | 403 | 405 | 403 |
| Arizona | 1,792 | 1,896 | 2,008 | 2,124 | 2,223 | 2,285 | 2,346 | 2,425 | 2,515 | 2,636 |
| Arkansas | 1,932 | 1,972 | 2,019 | 2,059 | 2,101 | 2,160 | 2,170 | 2,209 | 2,243 | 2,271 |
| California | 20,007 | 20,346 | 20,585 | 20,869 | 21,174 | 21,538 | 21,936 | 22,352 | 22,836 | 23,257 |
| Colorado | 2,223 | 2,304 | 2,405 | 2,496 | 2,541 | 2,586 | 2,632 | 2,696 | 2,767 | 2,849 |
| Connecticut | 3,041 | 3,061 | 3,069 | 3,068 | 3,074 | 3,082 | 3,083 | 3,086 | 3,092 | 3,096 |
| Delaware | 551 | 565 | 573 | 578 | 581 | 587 | 590 | 592 | 595 | 595 |
| District of Columbia | 756 | 750 | 742 | 731 | 718 | 707 | 692 | 677 | 665 | 650 |
| Florida | 6,848 | 7,158 | 7,511 | 7,914 | 8,299 | 8,518 | 8,667 | 8,856 | 9,102 | 9,426 |
| Georgia | 4,607 | 4,712 | 4,809 | 4,910 | 4,999 | 5,064 | 5,133 | 5,220 | 5,296 | 5,401 |
| Hawaii | 774 | 802 | 828 | 852 | 868 | 886 | 904 | 918 | 932 | 953 |
| Idaho | 718 | 739 | 763 | 782 | 808 | 832 | 857 | 883 | 911 | 933 |
| Illinois | 11,128 | 11,202 | 11,252 | 11,251 | 11,262 | 11,292 | 11,343 | 11,386 | 11,413 | 11,397 |
| Indiana | 5,202 | 5,253 | 5,302 | 5,338 | 5,362 | 5,366 | 5,389 | 5,426 | 5,470 | 5,501 |
| Iowa | 2,832 | 2,852 | 2,860 | 2,864 | 2,868 | 2,881 | 2,903 | 2,914 | 2,918 | 2,916 |
| Kansas | 2,249 | 2,247 | 2,256 | 2,266 | 2,269 | 2,281 | 2,301 | 2,321 | 2,336 | 2,351 |
| Kentucky | 3,231 | 3,298 | 3,336 | 3,371 | 3,416 | 3,468 | 3,529 | 3,574 | 3,610 | 3,642 |
| Louisiana | 3,652 | 3,710 | 3,762 | 3,788 | 3,820 | 3,886 | 3,951 | 4,014 | 4,069 | 4,138 |
| Maine | 997 | 1,015 | 1,034 | 1,046 | 1,059 | 1,072 | 1,088 | 1,104 | 1,114 | 1,123 |
| Maryland | 3,938 | 4,018 | 4,073 | 4,098 | 4,119 | 4,139 | 4,151 | 4,170 | 4,184 | 4,191 |
| Massachusetts | 5,706 | 5,738 | 5,760 | 5,781 | 5,774 | 5,758 | 5,744 | 5,738 | 5,736 | 5,738 |
| Michigan | 8,890 | 8,974 | 9,029 | 9,078 | 9,118 | 9,118 | 9,129 | 9,171 | 9,218 | 9,266 |
| Minnesota | 3,815 | 3,853 | 3,870 | 3,889 | 3,904 | 3,933 | 3,965 | 3,989 | 4,015 | 4,050 |
| Mississippi | 2,220 | 2,265 | 2,307 | 2,350 | 2,378 | 2,399 | 2,430 | 2,459 | 2,488 | 2,507 |
| Missouri | 4,688 | 4,726 | 4,759 | 4,783 | 4,796 | 4,808 | 4,839 | 4,863 | 4,889 | 4,912 |
| Montana | 698 | 711 | 719 | 727 | 736 | 748 | 757 | 770 | 782 | 787 |
| Nebraska | 1,488 | 1,505 | 1,519 | 1,530 | 1,539 | 1,543 | 1,551 | 1,557 | 1,564 | 1,567 |
| Nevada | 493 | 520 | 547 | 569 | 597 | 620 | 647 | 678 | 719 | 765 |
| New Hampshire | 742 | 762 | 781 | 801 | 816 | 829 | 845 | 870 | 892 | 909 |
| New Jersey | 7,193 | 7,281 | 7,335 | 7,333 | 7,332 | 7,338 | 7,340 | 7,337 | 7,351 | 7,367 |
| New Mexico | 1,023 | 1,054 | 1,079 | 1,106 | 1,131 | 1,160 | 1,189 | 1,216 | 1,238 | 1,285 |
| New York | 18,268 | 18,358 | 18,339 | 18,177 | 18,050 | 18,003 | 17,941 | 17,813 | 17,681 | 17,584 |
| North Carolina | 5,098 | 5,204 | 5,301 | 5,390 | 5,471 | 5,547 | 5,608 | 5,686 | 5,759 | 5,823 |
| North Dakota | 620 | 627 | 631 | 633 | 635 | 639 | 646 | 650 | 651 | 653 |
| Ohio | 10,664 | 10,735 | 10,747 | 10,767 | 10,766 | 10,770 | 10,753 | 10,771 | 10,796 | 10,798 |
| Oklahoma | 2,567 | 2,619 | 2,659 | 2,696 | 2,735 | 2,775 | 2,827 | 2,870 | 2,917 | 2,975 |
| Oregon | 2,101 | 2,151 | 2,197 | 2,242 | 2,285 | 2,330 | 2,378 | 2,447 | 2,518 | 2,588 |
| Pennsylvania | 11,813 | 11,886 | 11,908 | 11,891 | 11,871 | 11,906 | 11,897 | 11,894 | 11,879 | 11,888 |
| Rhode Island | 951 | 963 | 975 | 976 | 951 | 943 | 946 | 950 | 952 | 950 |
| South Carolina | 2,597 | 2,662 | 2,719 | 2,777 | 2,845 | 2,902 | 2,944 | 2,992 | 3,044 | 3,090 |
| South Dakota | 668 | 671 | 677 | 679 | 680 | 681 | 686 | 688 | 689 | 688 |
| Tennessee | 3,937 | 4,014 | 4,095 | 4,147 | 4,214 | 4,276 | 4,347 | 4,423 | 4,486 | 4,560 |
| Texas | 11,236 | 11,510 | 11,759 | 12,020 | 12,269 | 12,569 | 12,904 | 13,193 | 13,500 | 13,888 |
| Utah | 1,066 | 1,101 | 1,135 | 1,170 | 1,200 | 1,236 | 1,275 | 1,320 | 1,368 | 1,420 |
| Vermont | 446 | 454 | 463 | 468 | 473 | 480 | 485 | 492 | 498 | 505 |
| Virginia | 4,659 | 4,751 | 4,824 | 4,901 | 4,971 | 5,047 | 5,122 | 5,193 | 5,270 | 5,308 |
| Washington | 3,413 | 3,448 | 3,448 | 3,479 | 3,550 | 3,621 | 3,694 | 3,776 | 3,889 | 4,018 |
| West Virginia | 1,751 | 1,771 | 1,798 | 1,806 | 1,815 | 1,842 | 1,880 | 1,908 | 1,923 | 1,942 |
| Wisconsin | 4,429 | 4,462 | 4,502 | 4,524 | 4,546 | 4,579 | 4,596 | 4,627 | 4,646 | 4,683 |
| Wyoming | 334 | 340 | 347 | 354 | 366 | 382 | 397 | 413 | 433 | 454 |
| United States | 205,052 | 207,661 | 209,896 | 211,909 | 213,854 | 215,973 | 218,035 | 220,239 | 222,585 | 225,055 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table C3. Resident Population by State, 1980-1989
(Thousand People)

| State | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 3,900 | 3,919 | 3,925 | 3,934 | 3,952 | 3,973 | 3,992 | 4,015 | 4,024 | 4,030 |
| Alaska | 405 | 418 | 450 | 488 | 514 | 532 | 544 | 539 | 542 | 547 |
| Arizona | 2,738 | 2,810 | 2,890 | 2,969 | 3,067 | 3,184 | 3,308 | 3,437 | 3,535 | 3,622 |
| Arkansas | 2,289 | 2,293 | 2,294 | 2,306 | 2,320 | 2,327 | 2,332 | 2,342 | 2,343 | 2,346 |
| California | 23,801 | 24,286 | 24,820 | 25,360 | 25,844 | 26,441 | 27,102 | 27,777 | 28,464 | 29,218 |
| Colorado | 2,909 | 2,978 | 3,062 | 3,134 | 3,170 | 3,209 | 3,237 | 3,260 | 3,262 | 3,276 |
| Connecticut | 3,113 | 3,129 | 3,139 | 3,162 | 3,180 | 3,201 | 3,224 | 3,247 | 3,272 | 3,283 |
| Delaware | 595 | 596 | 599 | 605 | 612 | 618 | 628 | 637 | 648 | 658 |
| District of Columbia | 638 | 637 | 634 | 632 | 633 | 635 | 638 | 637 | 630 | 624 |
| Florida | 9,840 | 10,193 | 10,471 | 10,750 | 11,040 | 11,351 | 11,668 | 11,997 | 12,306 | 12,638 |
| Georgia | 5,486 | 5,568 | 5,650 | 5,728 | 5,835 | 5,963 | 6,085 | 6,208 | 6,316 | 6,411 |
| Hawaii | 968 | 978 | 994 | 1,013 | 1,028 | 1,040 | 1,052 | 1,068 | 1,080 | 1,095 |
| Idaho | 948 | 962 | 974 | 982 | 991 | 994 | 990 | 985 | 986 | 994 |
| Illinois | 11,435 | 11,443 | 11,423 | 11,409 | 11,412 | 11,400 | 11,387 | 11,391 | 11,390 | 11,410 |
| Indiana | 5,491 | 5,480 | 5,468 | 5,450 | 5,458 | 5,459 | 5,454 | 5,473 | 5,492 | 5,524 |
| Iowa | 2,914 | 2,908 | 2,888 | 2,871 | 2,859 | 2,830 | 2,792 | 2,767 | 2,768 | 2,771 |
| Kansas | 2,369 | 2,385 | 2,401 | 2,416 | 2,424 | 2,427 | 2,433 | 2,445 | 2,462 | 2,473 |
| Kentucky | 3,664 | 3,670 | 3,683 | 3,694 | 3,695 | 3,695 | 3,688 | 3,683 | 3,680 | 3,677 |
| Louisiana | 4,223 | 4,283 | 4,353 | 4,395 | 4,400 | 4,408 | 4,407 | 4,344 | 4,289 | 4,253 |
| Maine | 1,127 | 1,133 | 1,137 | 1,145 | 1,156 | 1,163 | 1,170 | 1,185 | 1,204 | 1,220 |
| Maryland | 4,228 | 4,262 | 4,283 | 4,313 | 4,365 | 4,413 | 4,487 | 4,566 | 4,658 | 4,727 |
| Massachusetts | 5,746 | 5,769 | 5,771 | 5,799 | 5,841 | 5,881 | 5,903 | 5,935 | 5,980 | 6,015 |
| Michigan | 9,256 | 9,209 | 9,115 | 9,048 | 9,049 | 9,076 | 9,128 | 9,187 | 9,218 | 9,253 |
| Minnesota | 4,085 | 4,112 | 4,131 | 4,141 | 4,158 | 4,184 | 4,205 | 4,235 | 4,296 | 4,338 |
| Mississippi | 2,525 | 2,539 | 2,557 | 2,568 | 2,578 | 2,588 | 2,594 | 2,589 | 2,580 | 2,574 |
| Missouri | 4,922 | 4,932 | 4,929 | 4,944 | 4,975 | 5,000 | 5,023 | 5,057 | 5,082 | 5,096 |
| Montana | 789 | 795 | 804 | 814 | 821 | 822 | 814 | 805 | 800 | 800 |
| Nebraska | 1,572 | 1,579 | 1,582 | 1,584 | 1,589 | 1,585 | 1,574 | 1,567 | 1,571 | 1,575 |
| Nevada | 810 | 848 | 882 | 902 | 925 | 951 | 981 | 1,023 | 1,075 | 1,137 |
| New Hampshire | 924 | 937 | 948 | 958 | 977 | 997 | 1,025 | 1,054 | 1,083 | 1,105 |
| New Jersey | 7,376 | 7,407 | 7,431 | 7,468 | 7,515 | 7,566 | 7,622 | 7,671 | 7,712 | 7,726 |
| New Mexico | 1,309 | 1,333 | 1,364 | 1,394 | 1,417 | 1,438 | 1,463 | 1,479 | 1,490 | 1,504 |
| New York | 17,567 | 17,568 | 17,590 | 17,687 | 17,746 | 17,792 | 17,833 | 17,869 | 17,941 | 17,983 |
| North Carolina | 5,899 | 5,957 | 6,019 | 6,077 | 6,164 | 6,254 | 6,322 | 6,404 | 6,481 | 6,565 |
| North Dakota | 654 | 660 | 669 | 677 | 680 | 677 | 670 | 661 | 655 | 646 |
| Ohio | 10,801 | 10,788 | 10,757 | 10,738 | 10,738 | 10,735 | 10,730 | 10,760 | 10,799 | 10,829 |
| Oklahoma | 3,041 | 3,096 | 3,206 | 3,290 | 3,286 | 3,271 | 3,253 | 3,210 | 3,167 | 3,150 |
| Oregon | 2,641 | 2,668 | 2,665 | 2,653 | 2,667 | 2,673 | 2,684 | 2,701 | 2,741 | 2,791 |
| Pennsylvania | 11,868 | 11,859 | 11,845 | 11,838 | 11,815 | 11,771 | 11,783 | 11,811 | 11,846 | 11,866 |
| Rhode Island | 949 | 953 | 954 | 956 | 962 | 969 | 977 | 990 | 996 | 1,001 |
| South Carolina | 3,135 | 3,179 | 3,208 | 3,234 | 3,272 | 3,303 | 3,343 | 3,381 | 3,412 | 3,457 |
| South Dakota | 691 | 690 | 691 | 693 | 697 | 698 | 696 | 696 | 698 | 697 |
| Tennessee | 4,600 | 4,628 | 4,646 | 4,660 | 4,687 | 4,715 | 4,739 | 4,783 | 4,822 | 4,854 |
| Texas | 14,338 | 14,746 | 15,331 | 15,752 | 16,007 | 16,273 | 16,561 | 16,622 | 16,667 | 16,807 |
| Utah | 1,473 | 1,515 | 1,558 | 1,595 | 1,622 | 1,643 | 1,663 | 1,678 | 1,689 | 1,706 |
| Vermont | 513 | 516 | 519 | 523 | 527 | 530 | 534 | 540 | 550 | 558 |
| Virginia | 5,368 | 5,444 | 5,493 | 5,565 | 5,644 | 5,715 | 5,812 | 5,932 | 6,037 | 6,120 |
| Washington | 4,155 | 4,236 | 4,277 | 4,300 | 4,344 | 4,400 | 4,453 | 4,532 | 4,640 | 4,746 |
| West Virginia | 1,951 | 1,954 | 1,950 | 1,945 | 1,928 | 1,907 | 1,882 | 1,858 | 1,830 | 1,807 |
| Wisconsin | 4,712 | 4,726 | 4,729 | 4,721 | 4,736 | 4,748 | 4,756 | 4,778 | 4,822 | 4,857 |
| Wyoming | 474 | 492 | 506 | 510 | 505 | 500 | 496 | 477 | 465 | 458 |
| United States | 227,225 | 229,466 | 231,664 | 233,792 | 235,825 | 237,924 | 240,133 | 242,289 | 244,499 | 246,819 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table C4. Resident Population by State, 1990-1999
(Thousand People)

| State | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 4,050 | 4,099 | 4,154 | 4,214 | 4,260 | 4,297 | 4,331 | 4,368 | 4,405 | 4,430 |
| Alaska | 553 | 570 | 589 | 599 | 603 | 604 | 609 | 613 | 620 | 625 |
| Arizona | 3,684 | 3,789 | 3,916 | 4,065 | 4,245 | 4,432 | 4,587 | 4,737 | 4,883 | 5,024 |
| Arkansas | 2,357 | 2,383 | 2,416 | 2,456 | 2,494 | 2,535 | 2,572 | 2,601 | 2,626 | 2,652 |
| California | 29,960 | 30,471 | 30,975 | 31,275 | 31,484 | 31,697 | 32,019 | 32,486 | 32,988 | 33,499 |
| Colorado | 3,308 | 3,387 | 3,496 | 3,614 | 3,724 | 3,827 | 3,920 | 4,018 | 4,117 | 4,226 |
| Connecticut | 3,292 | 3,303 | 3,301 | 3,309 | 3,316 | 3,324 | 3,337 | 3,349 | 3,365 | 3,386 |
| Delaware | 670 | 683 | 695 | 706 | 718 | 730 | 741 | 751 | 763 | 775 |
| District of Columbia | 605 | 601 | 598 | 595 | 589 | 581 | 572 | 568 | 565 | 570 |
| Florida | 13,033 | 13,370 | 13,651 | 13,927 | 14,239 | 14,538 | 14,853 | 15,186 | 15,487 | 15,759 |
| Georgia | 6,513 | 6,653 | 6,817 | 6,978 | 7,157 | 7,328 | 7,501 | 7,685 | 7,864 | 8,046 |
| Hawaii | 1,113 | 1,137 | 1,159 | 1,173 | 1,188 | 1,197 | 1,204 | 1,212 | 1,215 | 1,210 |
| Idaho | 1,012 | 1,041 | 1,072 | 1,109 | 1,145 | 1,177 | 1,203 | 1,229 | 1,252 | 1,276 |
| Illinois | 11,453 | 11,569 | 11,694 | 11,810 | 11,913 | 12,008 | 12,102 | 12,186 | 12,272 | 12,359 |
| Indiana | 5,558 | 5,616 | 5,675 | 5,739 | 5,794 | 5,851 | 5,906 | 5,955 | 5,999 | 6,045 |
| Iowa | 2,781 | 2,798 | 2,818 | 2,837 | 2,851 | 2,867 | 2,880 | 2,891 | 2,903 | 2,918 |
| Kansas | 2,481 | 2,499 | 2,532 | 2,557 | 2,581 | 2,601 | 2,615 | 2,635 | 2,661 | 2,678 |
| Kentucky | 3,694 | 3,722 | 3,765 | 3,812 | 3,849 | 3,887 | 3,920 | 3,953 | 3,985 | 4,018 |
| Louisiana | 4,222 | 4,253 | 4,293 | 4,316 | 4,347 | 4,379 | 4,399 | 4,421 | 4,440 | 4,461 |
| Maine | 1,232 | 1,237 | 1,239 | 1,242 | 1,243 | 1,243 | 1,249 | 1,255 | 1,259 | 1,267 |
| Maryland | 4,800 | 4,868 | 4,923 | 4,972 | 5,023 | 5,070 | 5,112 | 5,157 | 5,204 | 5,255 |
| Massachusetts | 6,023 | 6,018 | 6,029 | 6,061 | 6,095 | 6,141 | 6,180 | 6,226 | 6,272 | 6,317 |
| Michigan | 9,311 | 9,400 | 9,479 | 9,540 | 9,598 | 9,676 | 9,759 | 9,809 | 9,848 | 9,897 |
| Minnesota | 4,390 | 4,441 | 4,496 | 4,556 | 4,610 | 4,660 | 4,713 | 4,763 | 4,813 | 4,873 |
| Mississippi | 2,579 | 2,599 | 2,624 | 2,655 | 2,689 | 2,723 | 2,748 | 2,777 | 2,805 | 2,828 |
| Missouri | 5,129 | 5,171 | 5,217 | 5,271 | 5,324 | 5,378 | 5,432 | 5,481 | 5,522 | 5,562 |
| Montana | 800 | 810 | 826 | 845 | 861 | 877 | 886 | 890 | 892 | 898 |
| Nebraska | 1,582 | 1,596 | 1,612 | 1,626 | 1,639 | 1,657 | 1,674 | 1,686 | 1,696 | 1,705 |
| Nevada | 1,221 | 1,296 | 1,351 | 1,411 | 1,499 | 1,582 | 1,666 | 1,764 | 1,853 | 1,935 |
| New Hampshire | 1,112 | 1,110 | 1,118 | 1,129 | 1,143 | 1,158 | 1,175 | 1,189 | 1,206 | 1,222 |
| New Jersey | 7,763 | 7,815 | 7,881 | 7,949 | 8,014 | 8,083 | 8,150 | 8,219 | 8,287 | 8,360 |
| New Mexico | 1,522 | 1,555 | 1,595 | 1,636 | 1,682 | 1,720 | 1,752 | 1,775 | 1,793 | 1,808 |
| New York | 18,021 | 18,123 | 18,247 | 18,375 | 18,459 | 18,524 | 18,588 | 18,657 | 18,756 | 18,883 |
| North Carolina | 6,664 | 6,784 | 6,897 | 7,043 | 7,187 | 7,345 | 7,501 | 7,657 | 7,809 | 7,949 |
| North Dakota | 638 | 636 | 638 | 641 | 645 | 648 | 650 | 650 | 648 | 644 |
| Ohio | 10,864 | 10,946 | 11,029 | 11,101 | 11,152 | 11,203 | 11,243 | 11,277 | 11,312 | 11,335 |
| Oklahoma | 3,149 | 3,175 | 3,221 | 3,252 | 3,281 | 3,308 | 3,340 | 3,373 | 3,405 | 3,437 |
| Oregon | 2,860 | 2,929 | 2,992 | 3,060 | 3,121 | 3,184 | 3,247 | 3,304 | 3,352 | 3,394 |
| Pennsylvania | 11,903 | 11,982 | 12,049 | 12,120 | 12,166 | 12,198 | 12,220 | 12,228 | 12,246 | 12,264 |
| Rhode Island | 1,006 | 1,011 | 1,013 | 1,015 | 1,016 | 1,017 | 1,021 | 1,025 | 1,031 | 1,040 |
| South Carolina | 3,501 | 3,570 | 3,620 | 3,663 | 3,705 | 3,749 | 3,796 | 3,860 | 3,919 | 3,975 |
| South Dakota | 697 | 704 | 713 | 722 | 731 | 738 | 742 | 744 | 746 | 750 |
| Tennessee | 4,894 | 4,967 | 5,050 | 5,138 | 5,231 | 5,327 | 5,417 | 5,499 | 5,570 | 5,639 |
| Texas | 17,057 | 17,398 | 17,760 | 18,162 | 18,564 | 18,959 | 19,340 | 19,740 | 20,158 | 20,558 |
| Utah | 1,731 | 1,780 | 1,837 | 1,898 | 1,960 | 2,014 | 2,068 | 2,120 | 2,166 | 2,203 |
| Vermont | 565 | 569 | 573 | 578 | 584 | 589 | 594 | 597 | 600 | 605 |
| Virginia | 6,217 | 6,301 | 6,414 | 6,510 | 6,593 | 6,671 | 6,751 | 6,829 | 6,901 | 7,000 |
| Washington | 4,903 | 5,026 | 5,161 | 5,279 | 5,375 | 5,481 | 5,570 | 5,675 | 5,770 | 5,843 |
| West Virginia | 1,793 | 1,799 | 1,806 | 1,818 | 1,820 | 1,824 | 1,823 | 1,819 | 1,816 | 1,812 |
| Wisconsin | 4,905 | 4,964 | 5,025 | 5,085 | 5,134 | 5,185 | 5,230 | 5,266 | 5,298 | 5,333 |
| Wyoming | 454 | 459 | 466 | 473 | 480 | 485 | 488 | 489 | 491 | 492 |
| United States | 249,623 | 252,981 | 256,514 | 259,919 | 263,126 | 266,278 | 269,394 | 272,647 | 275,854 | 279,040 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table C5. Resident Population by State, 2000-2009

(Thousand People)

| State | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | R 4,451 | R 4,463 | R 4,471 | R 4,490 | R 4,511 | R 4,543 | R 4,595 | R 4,634 | R 4,674 | 4,707 |
| Alaska | R 628 | R 634 | R 642 | R 648 | R 659 | R 667 | R 675 | R 680 | R 686 | 695 |
| Arizona | R 5,166 | R 5,304 | R 5,451 | R 5,591 | R 5,759 | R 5,974 | R 6,191 | R 6,360 | R 6,499 | 6,588 |
| Arkansas | R 2,678 | R 2,691 | R 2,704 | R 2,723 | R 2,746 | R 2,776 | R 2,815 | R 2,842 | R 2,867 | 2,887 |
| California | R 33,994 | R 34,482 | R 34,868 | R 35,237 | R 35,538 | R 35,771 | R 35,947 | R 36,186 | R 36,538 | 36,888 |
| Colorado | R 4,328 | R 4,433 | R 4,503 | R 4,546 | R 4,596 | R 4,656 | R 4,748 | R 4,837 | R 4,929 | 5,015 |
| Connecticut | R 3,412 | R 3,428 | R 3,448 | R 3,468 | R 3,474 | R 3,477 | R 3,485 | R 3,488 | R 3,503 | 3,515 |
| Delaware | R 786 | R 795 | R 805 | R 816 | R 827 | R 840 | R 853 | R 865 | R 877 | 884 |
| District of Columbia | R 572 | R 578 | R 580 | R 578 | R 580 | 582 | R 584 | R 586 | R 590 | 600 |
| Florida | R 16,046 | R 16,351 | R 16,675 | R 16,974 | R 17,366 | R 17,773 | R 18,076 | R 18,262 | R 18,410 | 18,510 |
| Georgia | R 8,230 | R 8,419 | R 8,583 | R 8,728 | R 8,907 | R 9,090 | R 9,324 | R 9,527 | R 9,690 | 9,814 |
| Hawaii | R 1,212 | R 1,219 | R 1,226 | R 1,232 | R 1,247 | R 1,259 | R 1,269 | R 1,270 | R 1,280 | 1,288 |
| Idaho | R 1,300 | R 1,321 | R 1,342 | R 1,364 | R 1,391 | R 1,425 | R 1,464 | R 1,498 | R 1,526 | 1,544 |
| Illinois | R 12,438 | R 12,507 | R 12,557 | R 12,599 | R 12,644 | R 12,673 | R 12,715 | R 12,776 | R 12,836 | 12,893 |
| Indiana | R 6,092 | R 6,124 | R 6,149 | R 6,185 | R 6,215 | R 6,253 | R 6,300 | R 6,345 | R 6,387 | 6,417 |
| Iowa | R 2,928 | R 2,929 | R 2,929 | R 2,935 | R 2,942 | R 2,951 | R 2,965 | R 2,980 | R 2,995 | 3,008 |
| Kansas | R 2,693 | R 2,701 | R 2,712 | R 2,720 | R 2,729 | R 2,740 | R 2,754 | R 2,774 | R 2,795 | 2,817 |
| Kentucky | R 4,049 | R 4,069 | R 4,091 | R 4,118 | R 4,146 | R 4,180 | R 4,217 | R 4,255 | R 4,287 | 4,312 |
| Louisiana | R 4,469 | R 4,460 | R 4,465 | R 4,473 | R 4,487 | R 4,495 | R 4,238 | R 4,373 | R 4,449 | 4,489 |
| Maine | R 1,277 | R 1,284 | R 1,293 | R 1,302 | R 1,307 | R 1,310 | R 1,313 | R 1,316 | R 1,318 | 1,316 |
| Maryland | R 5,311 | R 5,374 | R 5,438 | R 5,492 | R 5,538 | R 5,577 | R 5,606 | R 5,627 | R 5,651 | 5,688 |
| Massachusetts | R 6,362 | R 6,411 | R 6,441 | R 6,455 | R 6,453 | R 6,454 | R 6,466 | R 6,500 | R 6,544 | 6,592 |
| Michigan | R 9,955 | R 10,005 | R 10,039 | R 10,072 | R 10,092 | R 10,092 | R 10,082 | R 10,051 | R 9,999 | 9,955 |
| Minnesota | R 4,934 | R 4,982 | R 5,017 | R 5,050 | R 5,080 | R 5,107 | R 5,148 | R 5,191 | R 5,230 | 5,263 |
| Mississippi | R 2,848 | R 2,853 | R 2,858 | R 2,866 | R 2,885 | R 2,899 | R 2,897 | R 2,920 | R 2,939 | 2,950 |
| Missouri | R 5,606 | R 5,643 | R 5,679 | R 5,713 | R 5,756 | R 5,804 | R 5,858 | R 5,906 | R 5,952 | 5,982 |
| Montana | R 903 | R 906 | R 910 | R 917 | R 926 | R 935 | R 946 | R 957 | R 968 | 974 |
| Nebraska | R 1,713 | R 1,718 | R 1,725 | R 1,733 | R 1,741 | R 1,751 | R 1,759 | R 1,769 | R 1,780 | 1,795 |
| Nevada | R 2,018 | R 2,094 | R 2,166 | R 2,236 | R 2,328 | R 2,407 | R 2,491 | R 2,565 | R 2,612 | 2,639 |
| New Hampshire | R 1,240 | R 1,257 | R 1,271 | R 1,282 | R 1,293 | R 1,301 | R 1,311 | R 1,316 | R 1,321 | 1,322 |
| New Jersey | R 8,431 | R 8,488 | R 8,543 | R 8,586 | R 8,610 | R 8,620 | R 8,619 | R 8,631 | R 8,657 | 8,694 |
| New Mexico | R 1,821 | R 1,828 | R 1,849 | R 1,868 | R 1,890 | R 1,915 | R 1,941 | R 1,966 | R 1,984 | 2,007 |
| New York | R 18,997 | R 19,087 | R 19,162 | R 19,235 | R 19,298 | R 19,329 | R 19,354 | R 19,420 | R 19,464 | 19,523 |
| North Carolina | R 8,080 | R 8,202 | R 8,311 | R 8,400 | R 8,518 | R 8,655 | R 8,854 | R 9,048 | R 9,230 | 9,357 |
| North Dakota | R 641 | R 636 | R 633 | R 632 | R 635 | R 635 | R 636 | R 638 | R 641 | 646 |
| Ohio | R 11,363 | R 11,396 | R 11,421 | R 11,450 | R 11,466 | R 11,476 | R 11,491 | R 11,519 | R 11,527 | 11,532 |
| Oklahoma | R 3,454 | R 3,464 | R 3,483 | R 3,496 | R 3,511 | R 3,530 | R 3,572 | R 3,609 | R 3,640 | 3,686 |
| Oregon | R 3,431 | R 3,470 | R 3,517 | R 3,551 | R 3,573 | R 3,617 | R 3,676 | R 3,731 | R 3,781 | 3,823 |
| Pennsylvania | R 12,284 | R 12,297 | R 12,324 | R 12,361 | R 12,387 | R 12,416 | R 12,466 | R 12,518 | R 12,563 | 12,602 |
| Rhode Island | R 1,051 | R 1,058 | R 1,067 | R 1,072 | R 1,076 | R 1,069 | R 1,064 | R 1,060 | R 1,058 | 1,057 |
| South Carolina | R 4,024 | R 4,062 | R 4,102 | R 4,141 | R 4,197 | R 4,251 | R 4,334 | R 4,417 | R 4,498 | 4,554 |
| South Dakota | R 756 | R 759 | R 762 | R 766 | R 773 | R 779 | R 787 | R 796 | R 803 | 811 |
| Tennessee | R 5,703 | R 5,755 | R 5,802 | R 5,857 | R 5,919 | R 5,997 | R 6,090 | R 6,173 | R 6,240 | 6,291 |
| Texas | R 20,945 | R 21,330 | R 21,706 | R 22,048 | R 22,409 | R 22,791 | R 23,357 | R 23,825 | R 24,291 | 24,771 |
| Utah | R 2,244 | R 2,291 | R 2,334 | R 2,378 | R 2,438 | R 2,499 | R 2,582 | R 2,663 | R 2,725 | 2,781 |
| Vermont | R 610 | R 612 | R 615 | R 617 | R 618 | R 619 | R 620 | R 620 | R 621 | 621 |
| Virginia | R 7,105 | R 7,192 | R 7,277 | R 7,352 | R 7,454 | R 7,548 | R 7,634 | R 7,705 | R 7,781 | 7,862 |
| Washington | R 5,911 | R 5,988 | R 6,056 | R 6,109 | R 6,182 | R 6,259 | R 6,371 | R 6,464 | R 6,566 | 6,672 |
| West Virginia | R 1,807 | R 1,798 | R 1,799 | R 1,803 | R 1,803 | R 1,804 | R 1,808 | R 1,812 | R 1,816 | 1,821 |
| Wisconsin | R 5,374 | R 5,408 | R 5,447 | R 5,480 | R 5,512 | R 5,542 | R 5,572 | R 5,602 | R 5,627 | 5,651 |
| Wyoming | R 494 | R 493 | R 497 | R 499 | R 503 | R 506 | R 513 | R 523 | R 533 | 544 |
| United States | R 282,166 | R 285,050 | R 287,746 | R 290,242 | R 292,936 | R 295,618 | R 298,432 | R 301,394 | R 304,177 | 306,656 |

Where shown, R = Revised data.
Source: See first page of this appendix.

Appendix D

# Real Gross Domestic Product by State

The real gross domestic product (GDP) data used in the U.S. Energy Information Administration State Energy Data System to calculate total energy consumed per chained (2005) dollar of output are shown in Tables F1 through F4. The data are the U.S. Department of Commerce, Bureau of Economic Analysis (BEA), real GDP estimates by State, beginning in 1977. The estimates are released in June of each year.

For 1997 forward, BEA reports real GDP by State based on the North American Classification System (NAICS). From 1977 through 1997, BEA reports real GDP by State based on the Standard Industrial Classification (SIC). A set of quality indexes for real GDP by State (1997=100) is available for 1977 through 1997. Given the differences in NAICS and SIC, BEA has cautioned against appending the two data series in an attempt to construct a single time series. However, for the purpose of comparing energy intensity by State over time, real GDP for 1977 through 1996 are calculated in SEDS by applying the quantity indexes to the 1997 real GDP.

For the United States, the national real GDP series from the National Income and Product Accounts is used instead of the United States series in the State GDP dataset. Due to slight differences in coverage and different sources and vintages of data used to estimate the national GDP and State GDP, the U.S. GDP and the State GDP are not strictly compatible. For details, see BEA Regional Economic Accounts: Methodologies, http://bea.gov/regional/methods.cfm.

### *Data Sources*

GDPRXUS — Real gross domestic product of the United States in million chained (2005) dollars.

- 1977 forward: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Products Accounts, http://www.bea.gov/national/ nipaweb/index.asp.

GDPRXZZ — Real gross domestic product by State in million chained (2005) dollars.

- 1977 through 1996: U.S. Department of Commerce, Bureau of Economic Analysis, http://www.bea.gov/regional/gsp/default.cfm?series=SIC.
- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, http://www.bea.gov/regional/gsp/default.cfm?series=NAICS.

## Table D1. Real Gross Domestic Product by State, 1977-1979
(Billion Chained (2005) Dollars)

| State | 1977 | 1978 | 1979 |
|---|---|---|---|
| Alabama | R 69.4 | R 73.9 | R 75.8 |
| Alaska | R 22.8 | R 24.8 | R 26.1 |
| Arizona | R 48.9 | R 54.0 | R 59.1 |
| Arkansas | R 38.6 | R 41.1 | R 41.7 |
| California | R 600.0 | R 641.3 | R 666.6 |
| Colorado | R 70.1 | R 75.5 | R 80.3 |
| Connecticut | R 82.6 | R 87.2 | R 90.6 |
| Delaware | R 21.0 | R 21.9 | R 22.1 |
| District of Columbia | R 59.0 | R 60.4 | R 61.2 |
| Florida | R 187.7 | R 203.1 | R 216.3 |
| Georgia | R 109.3 | R 115.9 | R 121.4 |
| Hawaii | R 29.2 | R 30.3 | R 31.8 |
| Idaho | R 15.1 | R 16.3 | R 16.7 |
| Illinois | R 302.5 | R 315.4 | R 320.4 |
| Indiana | R 121.4 | R 127.1 | R 127.8 |
| Iowa | R 62.4 | R 66.0 | R 67.4 |
| Kansas | R 55.0 | R 56.5 | R 60.0 |
| Kentucky | R 72.8 | R 76.0 | R 77.9 |
| Louisiana | R 121.7 | R 127.2 | R 125.6 |
| Maine | R 21.6 | R 22.2 | R 22.8 |
| Maryland | R 104.2 | R 108.7 | R 112.0 |
| Massachusetts | R 130.8 | R 138.1 | R 143.3 |
| Michigan | R 242.2 | R 251.9 | R 249.7 |
| Minnesota | R 91.4 | R 96.2 | R 100.7 |
| Mississippi | R 40.9 | R 42.1 | R 43.7 |
| Missouri | R 111.2 | R 116.6 | R 119.5 |
| Montana | R 17.7 | R 19.0 | R 19.0 |
| Nebraska | R 34.7 | R 36.7 | R 37.7 |
| Nevada | R 22.6 | R 25.2 | R 26.8 |
| New Hampshire | R 14.7 | R 16.2 | R 17.1 |
| New Jersey | R 185.4 | R 193.1 | R 200.7 |
| New Mexico | R 24.5 | R 25.8 | R 26.1 |
| New York | R 499.1 | R 521.4 | R 532.6 |
| North Carolina | R 122.3 | R 130.0 | R 133.8 |
| North Dakota | R 12.9 | R 14.5 | R 14.9 |
| Ohio | R 251.1 | R 260.3 | R 264.3 |
| Oklahoma | R 67.4 | R 70.2 | R 73.5 |
| Oregon | R 49.7 | R 52.7 | R 54.8 |
| Pennsylvania | R 272.9 | R 283.2 | R 288.7 |
| Rhode Island | R 20.5 | R 21.2 | R 21.9 |
| South Carolina | R 52.7 | R 56.4 | R 58.9 |
| South Dakota | R 12.2 | R 13.0 | R 13.6 |
| Tennessee | R 88.5 | R 94.4 | R 97.4 |
| Texas | R 374.2 | R 394.8 | R 408.0 |
| Utah | R 29.2 | R 31.4 | R 33.0 |
| Vermont | R 8.1 | R 8.9 | R 9.3 |
| Virginia | R 129.1 | R 135.2 | R 139.4 |
| Washington | R 108.8 | R 117.0 | R 124.1 |
| West Virginia | R 35.3 | R 36.1 | R 36.5 |
| Wisconsin | R 102.0 | R 106.6 | R 110.3 |
| Wyoming | R 14.4 | R 15.6 | R 16.2 |
| United States | R 5,377.7 | R 5,677.6 | R 5,855.0 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table D2. Real Gross Domestic Product by State, 1980-1989

(Billion Chained (2005) Dollars)

| State | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | R 75.4 | R 76.7 | R 74.8 | R 78.5 | R 82.2 | R 86.1 | R 87.0 | R 91.8 | R 96.3 | R 96.2 |
| Alaska | R 30.2 | R 34.8 | R 35.7 | R 34.8 | R 36.2 | R 40.2 | R 33.6 | R 39.8 | R 37.5 | R 39.0 |
| Arizona | R 60.9 | R 62.6 | R 61.1 | R 64.6 | R 71.6 | R 76.1 | R 80.6 | R 84.0 | R 88.0 | R 88.8 |
| Arkansas | R 41.1 | R 42.6 | R 41.4 | R 42.7 | R 46.1 | R 46.6 | R 47.5 | R 49.1 | R 51.0 | R 52.0 |
| California | R 686.7 | R 709.3 | R 709.5 | R 734.9 | R 793.9 | R 834.6 | R 866.1 | R 919.6 | R 971.6 | R 1,008.3 |
| Colorado | R 83.3 | R 86.9 | R 88.6 | R 89.8 | R 95.0 | R 97.4 | R 96.8 | R 98.5 | R 101.6 | R 102.8 |
| Connecticut | R 92.3 | R 94.5 | R 96.9 | R 101.7 | R 111.1 | R 117.0 | R 122.4 | R 131.7 | R 139.7 | R 141.6 |
| Delaware | R 21.7 | R 22.1 | R 22.4 | R 24.1 | R 25.9 | R 27.5 | R 28.3 | R 30.3 | R 31.7 | R 34.0 |
| District of Columbia | R 60.6 | R 59.5 | R 57.8 | R 58.3 | R 59.6 | R 60.5 | R 60.8 | R 62.6 | R 65.3 | R 66.5 |
| Florida | R 226.9 | R 237.9 | R 243.7 | R 258.0 | R 279.7 | R 294.8 | R 307.9 | R 327.8 | R 348.1 | R 360.8 |
| Georgia | R 122.9 | R 128.1 | R 130.0 | R 138.5 | R 151.9 | R 163.3 | R 172.8 | R 181.6 | R 189.7 | R 193.5 |
| Hawaii | R 33.0 | R 32.8 | R 33.1 | R 34.4 | R 35.7 | R 36.9 | R 38.2 | R 39.9 | R 42.6 | R 45.1 |
| Idaho | R 16.8 | R 16.8 | R 16.2 | R 17.0 | R 17.3 | R 17.6 | R 17.3 | R 17.7 | R 18.7 | R 19.9 |
| Illinois | R 309.4 | R 313.5 | R 302.5 | R 305.8 | R 327.7 | R 337.4 | R 344.8 | R 355.9 | R 375.9 | R 383.2 |
| Indiana | R 121.0 | R 122.5 | R 115.8 | R 118.5 | R 129.3 | R 131.7 | R 133.8 | R 138.9 | R 145.8 | R 151.1 |
| Iowa | R 65.6 | R 67.6 | R 63.1 | R 60.5 | R 63.9 | R 65.2 | R 64.3 | R 65.8 | R 69.2 | R 71.7 |
| Kansas | R 59.3 | R 61.0 | R 60.5 | R 60.8 | R 63.6 | R 66.0 | R 66.2 | R 68.5 | R 70.3 | R 70.8 |
| Kentucky | R 75.2 | R 77.2 | R 74.5 | R 74.6 | R 80.2 | R 82.6 | R 81.5 | R 84.4 | R 90.1 | R 92.1 |
| Louisiana | R 129.6 | R 133.0 | R 128.0 | R 126.5 | R 134.0 | R 136.4 | R 136.2 | R 136.7 | R 141.8 | R 141.7 |
| Maine | R 23.2 | R 23.4 | R 23.7 | R 24.7 | R 26.4 | R 27.6 | R 28.8 | R 30.7 | R 33.0 | R 33.6 |
| Maryland | R 112.4 | R 114.6 | R 113.6 | R 119.1 | R 127.1 | R 134.4 | R 140.7 | R 148.2 | R 158.4 | R 161.8 |
| Massachusetts | R 146.0 | R 149.6 | R 150.3 | R 159.1 | R 173.9 | R 184.2 | R 193.2 | R 205.7 | R 217.9 | R 219.0 |
| Michigan | R 227.2 | R 227.1 | R 212.9 | R 227.5 | R 246.0 | R 256.3 | R 260.9 | R 263.9 | R 274.8 | R 279.2 |
| Minnesota | R 100.3 | R 103.1 | R 101.5 | R 104.9 | R 115.8 | R 120.4 | R 121.4 | R 127.3 | R 132.4 | R 136.4 |
| Mississippi | R 42.9 | R 44.4 | R 43.0 | R 43.9 | R 46.9 | R 48.2 | R 48.3 | R 51.5 | R 52.7 | R 53.2 |
| Missouri | R 114.8 | R 116.3 | R 114.8 | R 118.5 | R 128.7 | R 130.6 | R 134.2 | R 139.5 | R 145.7 | R 148.7 |
| Montana | R 19.1 | R 19.8 | R 18.9 | R 18.9 | R 19.1 | R 18.6 | R 18.4 | R 18.6 | R 18.4 | R 19.1 |
| Nebraska | R 37.3 | R 39.4 | R 38.5 | R 37.6 | R 40.4 | R 41.8 | R 41.0 | R 41.1 | R 43.5 | R 44.8 |
| Nevada | R 27.6 | R 28.7 | R 28.4 | R 29.3 | R 30.7 | R 32.0 | R 33.8 | R 36.0 | R 39.2 | R 42.2 |
| New Hampshire | R 17.6 | R 18.3 | R 18.7 | R 19.9 | R 22.3 | R 24.3 | R 25.9 | R 28.9 | R 30.7 | R 30.7 |
| New Jersey | R 200.7 | R 206.0 | R 206.4 | R 220.9 | R 238.5 | R 251.0 | R 262.8 | R 280.9 | R 301.6 | R 305.8 |
| New Mexico | R 26.9 | R 27.3 | R 26.8 | R 27.3 | R 28.6 | R 29.7 | R 29.4 | R 29.5 | R 30.0 | R 30.7 |
| New York | R 532.6 | R 542.4 | R 546.4 | R 557.9 | R 591.6 | R 607.5 | R 623.1 | R 649.7 | R 687.2 | R 685.9 |
| North Carolina | R 134.3 | R 139.0 | R 136.1 | R 143.0 | R 155.3 | R 165.1 | R 171.5 | R 179.6 | R 190.1 | R 196.3 |
| North Dakota | R 14.3 | R 16.5 | R 15.9 | R 15.6 | R 15.9 | R 16.0 | R 14.9 | R 15.3 | R 14.1 | R 14.9 |
| Ohio | R 253.1 | R 255.7 | R 242.9 | R 252.7 | R 274.7 | R 284.6 | R 287.2 | R 295.6 | R 306.8 | R 313.4 |
| Oklahoma | R 77.0 | R 81.4 | R 83.8 | R 79.8 | R 83.6 | R 85.0 | R 80.6 | R 79.2 | R 83.0 | R 83.3 |
| Oregon | R 54.4 | R 53.0 | R 50.2 | R 50.7 | R 53.9 | R 55.2 | R 56.3 | R 58.1 | R 61.8 | R 63.5 |
| Pennsylvania | R 281.8 | R 283.0 | R 272.2 | R 279.7 | R 295.0 | R 302.2 | R 307.8 | R 324.7 | R 340.5 | R 346.1 |
| Rhode Island | R 21.7 | R 22.3 | R 22.2 | R 22.8 | R 24.4 | R 26.0 | R 27.4 | R 28.6 | R 30.6 | R 31.4 |
| South Carolina | R 59.1 | R 61.2 | R 60.1 | R 64.0 | R 70.1 | R 72.7 | R 76.1 | R 81.7 | R 85.9 | R 88.7 |
| South Dakota | R 13.0 | R 13.8 | R 13.4 | R 13.3 | R 14.3 | R 14.9 | R 15.1 | R 15.4 | R 15.5 | R 15.8 |
| Tennessee | R 96.0 | R 98.7 | R 96.5 | R 101.7 | R 109.2 | R 113.3 | R 117.0 | R 125.2 | R 131.1 | R 132.4 |
| Texas | R 422.3 | R 449.0 | R 450.6 | R 449.9 | R 476.1 | R 497.4 | R 486.4 | R 484.4 | R 513.5 | R 526.6 |
| Utah | R 33.7 | R 35.0 | R 34.8 | R 36.0 | R 38.8 | R 41.0 | R 40.4 | R 40.6 | R 42.8 | R 43.3 |
| Vermont | R 9.5 | R 9.8 | R 9.8 | R 10.2 | R 10.7 | R 11.3 | R 11.8 | R 12.8 | R 13.9 | R 14.6 |
| Virginia | R 141.5 | R 146.0 | R 146.5 | R 153.2 | R 163.7 | R 171.8 | R 180.6 | R 191.4 | R 201.3 | R 208.3 |
| Washington | R 125.0 | R 128.9 | R 128.9 | R 131.0 | R 135.8 | R 137.1 | R 143.3 | R 149.8 | R 158.8 | R 166.9 |
| West Virginia | R 35.9 | R 35.4 | R 34.4 | R 33.5 | R 35.3 | R 35.7 | R 35.2 | R 35.3 | R 37.9 | R 37.8 |
| Wisconsin | R 108.7 | R 109.0 | R 106.7 | R 108.8 | R 115.4 | R 119.3 | R 121.2 | R 124.8 | R 132.4 | R 135.1 |
| Wyoming | R 17.7 | R 18.3 | R 17.1 | R 16.2 | R 17.0 | R 17.2 | R 16.4 | R 16.0 | R 17.0 | R 17.0 |
| United States | R 5,839.0 | R 5,987.2 | R 5,870.9 | R 6,136.2 | R 6,577.1 | R 6,849.3 | R 7,086.5 | R 7,313.3 | R 7,613.9 | R 7,885.9 |

Where shown, R = Revised data.
Source: See first page of this appendix.

## Table D3. Real Gross Domestic Product by State, 1990-1999
(Billion Chained (2005) Dollars)

| State | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996[a] | 1997[a] | 1998 | 1999 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | R 97.7 | R 100.5 | R 104.8 | R 106.4 | R 110.6 | R 114.4 | R 118.3 | R 122.3 | R 126.2 | R 130.8 |
| Alaska | R 38.7 | R 34.8 | R 35.2 | R 35.1 | R 35.3 | R 37.2 | R 36.7 | R 37.1 | R 35.3 | R 34.9 |
| Arizona | R 89.5 | R 89.8 | R 99.0 | R 104.0 | R 114.1 | R 122.8 | R 132.5 | R 141.7 | R 155.0 | R 168.3 |
| Arkansas | R 52.6 | R 54.9 | R 58.2 | R 60.0 | R 63.4 | R 66.0 | R 68.9 | R 71.3 | R 72.4 | R 76.3 |
| California | R 1,037.9 | R 1,023.0 | R 1,021.3 | R 1,017.2 | R 1,036.4 | R 1,077.4 | R 1,120.6 | R 1,187.9 | R 1,268.5 | R 1,367.8 |
| Colorado | R 105.2 | R 107.4 | R 114.8 | R 122.3 | R 130.7 | R 138.2 | R 145.6 | R 157.5 | R 167.0 | R 179.8 |
| Connecticut | R 142.2 | R 138.8 | R 140.7 | R 138.9 | R 142.0 | R 150.9 | R 154.8 | R 164.7 | R 169.3 | R 173.0 |
| Delaware | R 34.8 | R 36.2 | R 36.5 | R 36.2 | R 38.6 | R 40.2 | R 41.0 | R 42.3 | R 43.4 | R 44.8 |
| District of Columbia | R 67.9 | R 66.7 | R 67.1 | R 68.1 | R 68.1 | R 66.2 | R 65.3 | R 66.0 | R 66.4 | R 69.6 |
| Florida | R 369.4 | R 371.4 | R 385.3 | R 399.9 | R 419.5 | R 435.1 | R 457.5 | R 477.2 | R 500.2 | R 525.0 |
| Georgia | R 197.0 | R 199.5 | R 210.9 | R 220.5 | R 236.4 | R 249.7 | R 266.5 | R 280.7 | R 295.9 | R 316.4 |
| Hawaii | R 48.2 | R 49.0 | R 50.3 | R 49.4 | R 49.3 | R 48.7 | R 48.2 | R 48.1 | R 47.1 | R 47.4 |
| Idaho | R 20.6 | R 21.0 | R 22.5 | R 24.5 | R 26.4 | R 28.6 | R 29.5 | R 31.0 | R 32.3 | R 35.6 |
| Illinois | R 387.3 | R 386.9 | R 402.0 | R 410.6 | R 436.2 | R 448.1 | R 465.8 | R 487.8 | R 502.7 | R 518.6 |
| Indiana | R 151.7 | R 151.7 | R 161.5 | R 166.4 | R 176.5 | R 182.0 | R 189.4 | R 198.1 | R 208.1 | R 214.0 |
| Iowa | R 73.8 | R 74.2 | R 77.8 | R 77.8 | R 84.3 | R 86.7 | R 91.7 | R 96.7 | R 97.5 | R 100.0 |
| Kansas | R 72.4 | R 73.2 | R 75.3 | R 75.8 | R 79.7 | R 80.6 | R 84.0 | R 88.5 | R 92.0 | R 94.7 |
| Kentucky | R 93.2 | R 94.1 | R 99.3 | R 102.3 | R 108.6 | R 112.4 | R 116.6 | R 123.6 | R 127.0 | R 130.9 |
| Louisiana | R 144.6 | R 144.3 | R 134.9 | R 138.0 | R 149.7 | R 157.8 | R 159.3 | R 165.2 | R 172.5 | R 174.4 |
| Maine | R 33.4 | R 32.4 | R 32.8 | R 33.0 | R 33.9 | R 34.7 | R 35.8 | R 37.1 | R 38.4 | R 40.0 |
| Maryland | R 163.7 | R 160.7 | R 162.0 | R 164.7 | R 170.8 | R 173.6 | R 177.8 | R 186.1 | R 193.9 | R 202.1 |
| Massachusetts | R 212.4 | R 206.0 | R 208.7 | R 210.2 | R 219.9 | R 227.5 | R 239.9 | R 254.0 | R 265.6 | R 279.6 |
| Michigan | R 273.6 | R 268.9 | R 280.4 | R 288.7 | R 314.1 | R 314.8 | R 326.1 | R 341.4 | R 349.7 | R 363.5 |
| Minnesota | R 137.8 | R 137.8 | R 145.5 | R 145.8 | R 154.6 | R 159.2 | R 169.4 | R 179.7 | R 189.3 | R 197.8 |
| Mississippi | R 53.4 | R 54.6 | R 57.5 | R 60.1 | R 64.1 | R 67.3 | R 69.3 | R 71.3 | R 73.4 | R 75.5 |
| Missouri | R 147.0 | R 149.3 | R 153.7 | R 154.2 | R 165.1 | R 173.5 | R 180.6 | R 190.3 | R 195.1 | R 199.8 |
| Montana | R 19.5 | R 20.0 | R 21.0 | R 21.9 | R 22.7 | R 22.9 | R 23.3 | R 24.0 | R 24.8 | R 25.3 |
| Nebraska | R 46.7 | R 48.2 | R 50.6 | R 50.8 | R 54.9 | R 55.8 | R 59.0 | R 60.3 | R 60.6 | R 62.3 |
| Nevada | R 45.6 | R 46.6 | R 50.1 | R 54.3 | R 59.6 | R 63.1 | R 68.8 | R 73.5 | R 78.2 | R 84.2 |
| New Hampshire | R 29.6 | R 29.7 | R 30.9 | R 31.3 | R 32.6 | R 35.1 | R 37.8 | R 40.0 | R 43.1 | R 45.1 |
| New Jersey | R 308.1 | R 307.3 | R 312.4 | R 315.9 | R 322.7 | R 330.4 | R 344.8 | R 355.9 | R 363.0 | R 374.7 |
| New Mexico | R 31.4 | R 35.0 | R 37.0 | R 41.0 | R 46.0 | R 46.8 | R 48.8 | R 53.3 | R 54.2 | R 57.8 |
| New York | R 687.8 | R 666.5 | R 675.7 | R 679.0 | R 688.4 | R 702.9 | R 731.9 | R 767.2 | R 789.2 | R 829.6 |
| North Carolina | R 197.6 | R 197.9 | R 208.9 | R 215.5 | R 231.5 | R 242.8 | R 252.2 | R 269.9 | R 281.5 | R 303.2 |
| North Dakota | R 15.4 | R 15.4 | R 16.6 | R 16.4 | R 17.6 | R 18.0 | R 19.3 | R 19.3 | R 20.5 | R 20.4 |
| Ohio | R 316.7 | R 314.4 | R 329.1 | R 331.9 | R 351.8 | R 364.3 | R 376.7 | R 397.4 | R 410.5 | R 418.2 |
| Oklahoma | R 83.7 | R 84.1 | R 86.1 | R 88.3 | R 90.3 | R 92.2 | R 96.7 | R 101.2 | R 103.5 | R 107.0 |
| Oregon | R 66.2 | R 67.3 | R 69.9 | R 74.0 | R 78.5 | R 83.6 | R 95.4 | R 102.4 | R 108.0 | R 111.9 |
| Pennsylvania | R 351.4 | R 352.3 | R 362.9 | R 368.5 | R 378.9 | R 391.4 | R 401.7 | R 416.7 | R 432.3 | R 443.2 |
| Rhode Island | R 31.0 | R 29.9 | R 30.4 | R 30.7 | R 31.0 | R 31.8 | R 32.3 | R 34.4 | R 35.1 | R 36.3 |
| South Carolina | R 91.6 | R 92.4 | R 95.4 | R 98.8 | R 104.4 | R 108.2 | R 111.5 | R 117.3 | R 121.9 | R 127.2 |
| South Dakota | R 16.6 | R 17.4 | R 18.4 | R 19.4 | R 20.5 | R 20.9 | R 21.9 | R 22.3 | R 23.7 | R 25.1 |
| Tennessee | R 131.7 | R 136.4 | R 147.0 | R 153.5 | R 162.7 | R 168.1 | R 173.6 | R 182.3 | R 189.7 | R 196.6 |
| Texas | R 543.5 | R 552.3 | R 574.0 | R 594.6 | R 627.9 | R 659.6 | R 698.6 | R 754.4 | R 802.2 | R 837.3 |
| Utah | R 45.6 | R 47.4 | R 49.2 | R 51.6 | R 55.9 | R 60.0 | R 65.9 | R 68.7 | R 73.1 | R 75.8 |
| Vermont | R 14.8 | R 14.4 | R 15.1 | R 15.3 | R 15.8 | R 15.8 | R 16.5 | R 17.3 | R 18.1 | R 18.9 |
| Virginia | R 211.7 | R 210.9 | R 215.1 | R 221.2 | R 230.1 | R 236.6 | R 246.8 | R 257.4 | R 269.7 | R 284.5 |
| Washington | R 176.6 | R 180.4 | R 186.9 | R 191.7 | R 198.4 | R 199.3 | R 210.4 | R 223.5 | R 237.1 | R 257.2 |
| West Virginia | R 38.5 | R 39.2 | R 40.3 | R 41.5 | R 44.1 | R 45.3 | R 46.3 | R 47.3 | R 48.3 | R 50.1 |
| Wisconsin | R 137.7 | R 139.5 | R 147.2 | R 152.9 | R 161.0 | R 164.3 | R 172.1 | R 179.8 | R 186.8 | R 194.2 |
| Wyoming | R 17.8 | R 18.4 | R 18.7 | R 19.3 | R 19.7 | R 20.3 | R 20.8 | R 21.0 | R 21.5 | R 22.7 |
| United States | R 8,033.9 | R 8,015.1 | R 8,287.1 | R 8,523.4 | R 8,870.7 | R 9,093.7 | R 9,433.9 | R 9,854.3 | R 10,283.5 | R 10,779.8 |

[a] There is a discontinuity in the gross domestic product (GDP) by State time series at 1997, where the data changes from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. Users of the GDP by State estimates are strongly cautioned against appending the two data series in an attempt to construct a single time series of GDP by State estimates.

Where shown, R = Revised data.

Source: See first page of this appendix.

## Table D4. Real Gross Domestic Product by State, 2000-2009

(Billion Chained (2005) Dollars)

| State | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | R 132.6 | R 133.8 | R 137.0 | R 140.0 | R 147.0 | R 151.1 | R 153.9 | R 155.7 | R 156.6 | 152.5 |
| Alaska | R 34.1 | R 35.7 | R 37.1 | R 36.3 | R 38.2 | R 37.8 | R 39.9 | R 40.7 | R 41.1 | 44.6 |
| Arizona | R 179.3 | R 186.0 | R 190.4 | R 200.1 | R 207.6 | R 223.0 | R 239.0 | R 245.2 | R 241.6 | 230.9 |
| Arkansas | R 77.3 | R 78.2 | R 80.3 | R 82.7 | R 85.8 | R 88.2 | R 90.6 | R 91.2 | R 91.8 | 91.8 |
| California | R 1,470.4 | R 1,472.4 | R 1,501.8 | R 1,548.9 | R 1,622.0 | R 1,692.0 | R 1,747.8 | R 1,775.1 | R 1,779.2 | 1,736.9 |
| Colorado | R 195.2 | R 201.8 | R 204.4 | R 205.1 | R 209.4 | R 217.4 | R 223.1 | R 229.6 | R 234.0 | 232.1 |
| Connecticut | R 185.3 | R 186.6 | R 183.6 | R 184.9 | R 194.6 | R 197.1 | R 204.2 | R 209.9 | R 205.3 | 198.4 |
| Delaware | R 46.9 | R 49.1 | R 47.8 | R 50.5 | R 52.8 | R 54.7 | R 55.3 | R 55.6 | R 54.0 | 54.2 |
| District of Columbia | R 69.8 | R 73.8 | R 76.0 | R 77.9 | R 80.9 | R 82.8 | R 84.0 | R 85.8 | R 87.8 | 87.8 |
| Florida | R 548.8 | R 562.9 | R 582.7 | R 609.6 | R 641.0 | R 680.3 | R 706.6 | R 712.6 | R 690.0 | 660.9 |
| Georgia | R 329.7 | R 334.0 | R 337.8 | R 343.1 | R 352.8 | R 363.2 | R 370.1 | R 378.3 | R 372.7 | 356.3 |
| Hawaii | R 48.7 | R 48.3 | R 49.5 | R 51.5 | R 54.2 | R 56.9 | R 58.9 | R 59.8 | R 60.1 | 58.7 |
| Idaho | R 39.4 | R 39.3 | R 40.2 | R 41.3 | R 44.7 | R 48.7 | R 49.5 | R 51.5 | R 51.8 | 49.6 |
| Illinois | R 537.1 | R 538.8 | R 540.7 | R 551.7 | R 565.4 | R 569.5 | R 583.0 | R 591.4 | R 584.3 | 560.0 |
| Indiana | R 221.9 | R 218.2 | R 224.3 | R 232.7 | R 238.8 | R 239.6 | R 242.2 | R 248.7 | R 244.8 | 232.3 |
| Iowa | R 105.3 | R 103.2 | R 106.1 | R 110.1 | R 118.3 | R 120.3 | R 121.4 | R 127.2 | R 126.0 | 124.1 |
| Kansas | R 97.9 | R 99.2 | R 100.2 | R 102.7 | R 102.9 | R 105.2 | R 108.8 | R 113.8 | R 114.9 | 112.5 |
| Kentucky | R 128.3 | R 128.5 | R 131.9 | R 133.4 | R 135.9 | R 139.3 | R 142.5 | R 142.5 | R 143.1 | 138.7 |
| Louisiana | R 168.0 | R 171.6 | R 173.7 | R 181.5 | R 190.7 | R 197.2 | R 192.9 | R 184.4 | R 181.1 | 192.1 |
| Maine | R 41.6 | R 42.5 | R 43.6 | R 44.2 | R 45.8 | R 45.6 | R 46.2 | R 46.5 | R 46.5 | 45.5 |
| Maryland | R 209.7 | R 218.6 | R 225.4 | R 230.8 | R 239.9 | R 248.1 | R 252.4 | R 256.6 | R 258.4 | 256.0 |
| Massachusetts | R 301.3 | R 308.6 | R 308.9 | R 313.4 | R 319.7 | R 323.3 | R 328.2 | R 334.3 | R 337.1 | 329.8 |
| Michigan | R 371.2 | R 362.3 | R 372.9 | R 377.6 | R 373.7 | R 375.3 | R 367.8 | R 368.2 | R 353.2 | 327.4 |
| Minnesota | R 211.2 | R 212.8 | R 217.7 | R 225.1 | R 234.3 | R 238.4 | R 238.9 | R 239.9 | R 242.3 | 234.9 |
| Mississippi | R 76.0 | R 75.9 | R 76.7 | R 79.1 | R 80.4 | R 81.5 | R 83.1 | R 85.5 | R 87.3 | 86.3 |
| Missouri | R 204.8 | R 204.4 | R 208.0 | R 211.9 | R 214.8 | R 216.6 | R 217.1 | R 219.1 | R 221.2 | 213.1 |
| Montana | R 25.8 | R 26.7 | R 26.9 | R 28.1 | R 29.2 | R 30.1 | R 30.9 | R 32.2 | R 31.9 | 32.0 |
| Nebraska | R 65.2 | R 65.9 | R 66.5 | R 70.1 | R 71.1 | R 72.5 | R 74.5 | R 77.1 | R 77.5 | 76.5 |
| Nevada | R 88.1 | R 89.0 | R 91.1 | R 96.1 | R 104.9 | R 114.8 | R 119.5 | R 122.6 | R 119.8 | 111.9 |
| New Hampshire | R 48.7 | R 48.7 | R 50.0 | R 51.4 | R 52.8 | R 53.7 | R 54.5 | R 54.9 | R 54.8 | 53.7 |
| New Jersey | R 393.3 | R 402.0 | R 407.4 | R 415.3 | R 423.7 | R 430.0 | R 440.6 | R 446.1 | R 446.2 | 434.0 |
| New Mexico | R 58.5 | R 60.2 | R 61.6 | R 63.3 | R 67.7 | R 67.8 | R 69.3 | R 69.6 | R 69.9 | 69.1 |
| New York | R 863.2 | R 896.1 | R 892.5 | R 894.0 | R 920.8 | R 961.9 | R 1,002.0 | R 1,020.4 | R 1,016.3 | 976.6 |
| North Carolina | R 316.4 | R 320.6 | R 324.2 | R 327.7 | R 336.0 | R 355.0 | R 370.3 | R 377.6 | R 376.2 | 360.6 |
| North Dakota | R 21.2 | R 21.5 | R 22.6 | R 23.9 | R 24.0 | R 24.7 | R 25.3 | R 26.3 | R 28.1 | 29.1 |
| Ohio | R 429.1 | R 420.4 | R 429.7 | R 434.0 | R 442.3 | R 444.7 | R 440.7 | R 443.6 | R 437.3 | 420.4 |
| Oklahoma | R 110.3 | R 114.7 | R 115.4 | R 116.6 | R 119.9 | R 120.7 | R 126.6 | R 129.5 | R 133.3 | 147.0 |
| Oregon | R 121.2 | R 119.9 | R 125.7 | R 129.2 | R 139.6 | R 143.3 | R 157.7 | R 162.9 | R 164.5 | 158.5 |
| Pennsylvania | R 452.4 | R 453.6 | R 463.5 | R 472.0 | R 479.3 | R 482.3 | R 489.5 | R 499.8 | R 500.4 | 492.0 |
| Rhode Island | R 38.4 | R 39.8 | R 41.4 | R 43.1 | R 44.4 | R 44.2 | R 45.0 | R 44.4 | R 43.8 | 42.9 |
| South Carolina | R 130.8 | R 132.1 | R 134.3 | R 138.4 | R 139.2 | R 141.9 | R 144.1 | R 148.0 | R 146.8 | 140.7 |
| South Dakota | R 26.9 | R 27.6 | R 29.7 | R 30.4 | R 31.0 | R 31.6 | R 31.8 | R 33.1 | R 35.0 | 36.0 |
| Tennessee | R 198.1 | R 200.2 | R 206.5 | R 211.0 | R 219.6 | R 224.5 | R 230.6 | R 230.1 | R 229.9 | 219.3 |
| Texas | R 872.6 | R 895.4 | R 916.4 | R 918.0 | R 968.4 | R 971.0 | R 1,017.5 | R 1,069.9 | R 1,065.9 | 1,066.4 |
| Utah | R 79.6 | R 81.1 | R 81.8 | R 83.3 | R 85.8 | R 90.7 | R 96.8 | R 102.1 | R 103.0 | 102.4 |
| Vermont | R 20.0 | R 20.5 | R 21.0 | R 21.6 | R 22.5 | R 22.8 | R 23.0 | R 23.0 | R 23.3 | 22.9 |
| Virginia | R 298.2 | R 311.2 | R 315.4 | R 326.3 | R 340.1 | R 356.9 | R 363.7 | R 367.0 | R 369.8 | 367.4 |
| Washington | R 259.1 | R 255.3 | R 257.6 | R 261.8 | R 266.1 | R 279.4 | R 290.8 | R 306.3 | R 311.0 | 305.8 |
| West Virginia | R 49.6 | R 49.9 | R 50.6 | R 50.6 | R 51.5 | R 52.0 | R 52.7 | R 53.1 | R 54.3 | 54.8 |
| Wisconsin | R 199.2 | R 200.7 | R 204.5 | R 209.2 | R 215.1 | R 218.9 | R 222.8 | R 225.5 | R 224.1 | 215.7 |
| Wyoming | R 23.1 | R 24.8 | R 25.2 | R 25.6 | R 26.5 | R 26.2 | R 28.7 | R 29.7 | R 31.4 | 35.5 |
| United States | R 11,226.0 | R 11,347.2 | R 11,553.0 | R 11,840.7 | R 12,263.8 | R 12,638.4 | R 12,976.2 | R 13,228.9 | R 13,228.8 | 12,880.6 |

Where shown, R = Revised data.
Source: See first page of this appendix.

Appendix E

# Metric and Other Physical Conversion Factors

Data presented in the State Energy Data System are expressed predominately in units that historically have been used in the United States, such as British thermal units, barrels, cubic feet, and short tons. However, because U.S. commerce involves other nations, most of which use metric units of measure, the U.S. Government is committed to the transition to the metric system, as stated in the Metric Conversion Act of 1975 (Public Law 94–168), amended by the Omnibus Trade and Competitiveness Act of 1988 (Public Law 100–418), and Executive Order 12770 of July 25, 1991.

The metric conversion factors presented in Table D1 can be used to calculate the metric-unit equivalents of values expressed in U.S. customary units. For example, 500 short tons are the equivalent of 453.6 metric tons (500 short tons x 0.9071847 metric tons/short ton = 453.6 metric tons).

In the metric system of weights and measures, the names of multiples and subdivisions of any unit may be derived by combining the name of the unit with prefixes, such as deka, hecto, and kilo, meaning, respectively, 10, 100, 1,000, and deci, centi, and milli, meaning, respectively, one-tenth, one-hundredth, and one-thousandth. Common metric prefixes can be found in Table D2.

The conversion factors presented in Table D3 can be used to calculate equivalents in various physical units commonly used in energy analyses. For example, 10 barrels are the equivalent of 420 U.S. gallons (10 barrels x 42 gallons/barrel = 420 gallons).

## Table E1. Metric Conversion Factors

| U.S. Unit | *multiplied by* | Conversion Factor | *equals* | Metric Unit |
|---|---|---|---|---|
| **Mass** | | | | |
| short tons (2,000 lb) | x | 0.907 184 7 | = | metric tons (t) |
| long tons | x | 1.016 047 | = | metric tons (t) |
| pounds (lb) | x | 0.453 592 37[a] | = | kilograms (kg) |
| pounds uranium oxide (lb $U_3O_8$) | x | 0.384 647[b] | = | kilograms uranium (kgU) |
| ounces, avoirdupois (avdp oz) | x | 28.349 52 | = | grams (g) |
| **Length** | | | | |
| miles (mi) | x | 1.609 344[a] | = | kilometers (km) |
| yard (yd) | x | 0.914 4[a] | = | meters (m) |
| feet (ft) | x | 0.304 8[a] | = | meters (m) |
| inches (in) | x | 2.54[a] | = | centimeters (cm) |
| **Energy** | | | | |
| British Thermal Units (Btu) | x | 1,055.055 852 62[a,c] | = | joules (J) |
| calories (cal) | x | 4.186 8[a] | = | joules (J) |
| kilowatthours (kWh) | x | 3.6[a] | = | megajoules (MJ) |

| U.S. Unit | *multiplied by* | Conversion Factor | *equals* | Metric Unit |
|---|---|---|---|---|
| **Volume** | | | | |
| barrels of oil (bbl) | x | 0.158 987 3 | = | cubic meters ($cm^3$) |
| cubic yards ($yd^3$) | x | 0.764 555 | = | cubic meters ($cm^3$) |
| cubic feet ($ft^3$) | x | 0.028 316 85 | = | cubic meters ($cm^3$) |
| U.S. gallons (gal) | x | 3.785 412 | = | liters (L) |
| ounces, fluid (fl oz) | x | 29.573 53 | = | milliliters (mL) |
| cubic inches ($in^3$) | x | 16.387 06 | = | milliliters (mL) |
| **Area** | | | | |
| acres | x | 0.404 69 | = | hectares (ha) |
| square miles ($mi^2$) | x | 2.589 988 | = | square kilometers ($km^2$) |
| square yards ($yd^2$) | x | 0.836 127 4 | = | square meters ($m^2$) |
| square feet ($ft^2$) | x | 0.092 903 04[a] | = | square meters ($m^2$) |
| square inches ($in^2$) | x | 6.451 6[a] | = | square centimeters ($cm^2$) |
| **Temperature** | | | | |
| degrees Fahrenheit (°F) | x | 5/9 (after subtracting 32)[a,d] | = | degrees Celsius (°C) |

[a]Exact conversion.
[b]Calculated by the U.S. Energy Information Administration.
[c]The Btu used in this table is the International Table Btu adopted by the Fifth International Conference on Properties of Steam, London, 1956.
[d]To convert degrees Celsius (°C) to degrees Fahrenheit (°F) exactly, multiply by 9/5, then add 32.

Notes: • Spaces have been inserted after every third digit to the right of the decimal for ease of reading. • Most metric units shown belong to the International System of Units (SI), and the liter, hectare, and metric ton are accepted for use with the SI units. For more information about the SI units, contact Dr. Barry Taylor at Building 221, Room B160, National Institute of Standards and Technology, Gaithersburg, MD 20899, or at telephone number 301–975–4220.

Sources: General Services Administration, Federal Standard 376B, *Preferred Metric Units for General Use by the Federal Government* (Washington, DC, January 27, 1993), pp. 9–11, 13, and 16. National Institute of Standards and Technology, Special Publications 330, 811, and 814. American National Standards Institute/Institute of Electrical and Electronic Engineers, ANSI/IEEE Std 268–1992, pp. 28 and 29.

## Table E2. Metric Prefixes

| Unit Multiple | Prefix | Symbol | Unit Subdivision | Prefix | Symbol |
|---|---|---|---|---|---|
| $10^{1}$ | deka | da | $10^{-1}$ | deci | d |
| $10^{2}$ | hecto | h | $10^{-2}$ | centi | c |
| $10^{3}$ | kilo | k | $10^{-3}$ | milli | m |
| $10^{6}$ | mega | M | $10^{-6}$ | micro | μ |
| $10^{9}$ | giga | G | $10^{-9}$ | nano | n |
| $10^{12}$ | tera | T | $10^{-12}$ | pico | p |
| $10^{15}$ | peta | P | $10^{-15}$ | femto | f |
| $10^{18}$ | exa | E | $10^{-18}$ | atto | a |
| $10^{21}$ | zetta | Z | $10^{-21}$ | zepto | z |
| $10^{24}$ | yotta | Y | $10^{-24}$ | yocto | Y |

Source: U.S. Department of Commerce, National Institute of Standards and Technology, *The International System of Units (SI),* NIST Special Publication 330, 1991 Edition (Washington, DC, August 1991), p. 10.

## Table E3. Other Physical Conversion Factors

| Energy Source | Original Unit | | Conversion Factor | | Final Unit |
|---|---|---|---|---|---|
| **Petroleum** | barrels (bbl) | x | 42[a] | = | U.S. gallons (gal) |
| **Coal** | short tons | x | 2,000[a] | = | pounds (lb) |
| | long tons | x | 2,240[a] | = | pounds (lb) |
| | metric tons (t) | x | 1,000[a] | = | kilograms (kg) |
| **Wood** | cords (cd) | x | 1.25[b] | = | short tons |
| | cords (cd) | x | 128[a] | = | cubic feet ($ft^3$) |

[a]Exact conversion.
[b]Calculated by the U.S. Energy Information Administration.
Source: U.S. Department of Commerce, National Institute of Standards and Technology, *Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices*, NIST Handbook 44, 1994 Edition (Washington, DC, October 1993), pp. B-10, C-17, and C-21.

Appendix F

# Data and Methodology Changes in the State Energy Data System

Tables and data files in the State Energy Data System (SEDS) supply a new year of data each production cycle. The latest data may be preliminary and, therefore, revised the following cycle. Changes made to consumption and price source data for historical years are also regularly incorporated into SEDS.

Listed below are changes in SEDS contents beyond the standard updates.

## Total Energy and Other Indicators

### *Total End-use Energy Consumption*

A new set of tables for total end-use energy consumption estimates is introduced in this cycle. Estimates for total end-use consumption are calculated by summing the consumption of the four end-use sectors: residential, commercial, industrial, and transportation.

### *Gross Domestic Product*

The source for real gross domestic product (GDP) for the United States has been revised to the national series from the Bureau of Economic Analysis (BEA) National Income and Product Accounts. Previously, the United States series in the State GDP dataset was used. Also, real GDP is converted to chained (2005) dollars by BEA.

## Petroleum

### *Asphalt and Road Oil*

For 2009, only the U.S. total of asphalt and road oil sales is available from the Asphalt Institute. To estimate State-level sales, the U.S. total is disaggregated to each State in proportion to the State's share of total U.S. asphalt and road oil sales in 2008, as published in the 2008 Asphalt Usage Survey for the United States and Canada.

### *Other Petroleum Products*

Beginning in 2006, "other petroleum product" consumption by State is allocated by using value of shipments data from the Economic Census. Allocations for prior years are based on value added.

## Electricity

The approach for assigning missing State transportation consumption volumes has been revised. Information from the U.S. Department of Transportation, National Transit Data (NTD) System, is used to supplement the EIA retail sales data only for States with missing or incomplete volumes in 2003, the first year for which transportation sector data were collected by EIA. In 2003, NTD transportation consumption volumes were assigned to the following States: Missouri, Ohio, and Tennessee. From 2004 forward, all transportation consumption volumes are from the EIA *Electric Sales and Revenues* database.

## Renewable Energy

### *Fuel Ethanol*

For 1981 forward, Btu consumption of fuel ethanol has been revised to reflect the removal of denaturant. Energy losses and co-products from the production of fuel ethanol also have been adjusted for these years.

### *Geothermal Energy*

Electricity produced from geothermal energy is converted from kilowatthours to British thermal units (Btu) by using the U.S. average heat rate of fossil-fueled steam-electric power plants, FFETKUS, as a conversion factor. This is consistent with the approach followed for other non-combustible renewable energy sources – hydroelectric power, wind, photovoltaic, and solar thermal energy. The technology-based geothermal conversion factors are no longer used in Btu calculations.

### *Wood and Waste*

Beginning in 2006, wood and waste consumed by the manufacturing sector by State is allocated by using value of shipments data from the Economic Census; allocations for prior years are based on value added. In addition, beginning in 2005, residential wood consumption by State is allocated by using data on housing units that use wood as the primary heating fuel from the American Community Survey; allocations for prior years are based on total housing units.

# Glossary

**Asphalt:** A dark brown-to-black cement-like material obtained by petroleum processing and containing bitumens as the predominant component; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts.

**ASTM:** The American Society for Testing and Materials.

**Aviation Gasoline (Finished):** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL–G–5572. *Note:* Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components:** Naphthas that will be used for blending or compounding into finished aviation gasoline (e.g., straight run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel (petroleum):** A unit of volume equal to 42 U.S. gallons.

**Barrels per Calendar Day:** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation to account for the following limitations that may delay, interrupt, or slow down production: 1) the capability of downstream processing units to absorb the output of crude oil processing facilities of a given refinery (no reduction is necessary for intermediate streams that are distributed to other than downstream facilities as part of a refinery's normal operation); 2) the types and grades of inputs to be processed; 3) the types and grades of products expected to be manufactured; 4) the environmental constraints associated with refinery operations; 5) the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and 6) the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels per Stream Day:** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Biomass Waste:** Organic non-fossil material of biological origin that is a byproduct or a discarded product. "Biomass waste" includes municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural crop byproducts, straw, and other biomass solids, liquids, and gases; but excludes wood and wood-derived fuels (including black liquor), biofuels feedstock, biodiesel, and fuel ethanol. *Note*: EIA "biomass waste" data also include energy crops grown specifically for energy production, which would not normally constitute waste.

**Black Liquor:** A byproduct of the paper production process, alkaline spent liquor, that can be used as a source of energy. Alkaline spent liquor is removed from the digesters in the process of chemically pulping wood. After evaporation, the residual "black" liquor is burned as a fuel in a recovery furnace that permits the recovery of certain basic chemicals.

**British Thermal Unit (Btu):** The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the

temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

**Bunker Fuels**: Fuel supplied to ships and aircraft, both domestic and foreign, consisting primarily of residual fuel oil and distillate fuel oil for ships and kerosene-type jet fuel for aircraft. The term "international bunker fuels" is used to denote the consumption of fuel for international transport activities. *Note*: For the purposes of greenhouse gas emissions inventories, data on emissions from combustion of international bunker fuels are subtracted from national emissions totals. Historically, bunker fuels have meant only ship fuel.

**Catalytic Cracking:** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Chained Dollar Gross Domestic Product:** A measure of gross domestic product using real prices. See **Chained Dollars** and **Gross Domestic Product (GDP)**.

**Chained Dollars:** A measure used to express real prices. Real prices are those that have been adjusted to remove the effect of changes in the purchasing power of the dollar; they usually reflect buying power relative to a reference year. Prior to 1996, real prices were expressed in constant dollars, a measure based on the weights of goods and services in a single year, usually a recent year. In 1996, the U.S. Department of Commerce introduced the chained-dollar measure. The new measure is based on the average weights of goods and services in successive pairs of years. It is "chained" because the second year in each pair, with its weights, becomes the first year of the next pair. The advantage of using the chained-dollar measure is that it is more closely related to any given period covered and is therefore subject to less distortion over time.

**Coal:** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time. Coals are classified according to their degree of progressive alteration from lignite to anthracite. In the U.S. classification, the ranks of coal include lignite, subbituminous coal, bituminous coal, and anthracite and are based on fixed carbon, volatile matter, heating value, and agglomerating (or caking) properties.

**Coal Coke:** A solid carbonaceous residue derived from low-ash, low-sulfur bituminous coal from which the volatile constituents are driven off by baking in an oven at temperatures as high as 2,000 degrees Fahrenheit so that the fixed carbon and residual ash are fused together. Coke is used as a fuel and as a reducing agent in smelting iron ore in a blast furnace.

**Coke Plants:** Plants where coal is carbonized in slot or beehive ovens for the manufacture of coke.

**Combined-Heat-and-Power (CHP) Plant**: A plant designed to produce both heat and electricity. If one or more units of the plant is a CHP unit, then the whole plant is designated as a CHP plant. *Note*: This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Polices Act (PURPA).

**Commercial Sector:** An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note*: This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

**Conversion Factor:** A number that translates units of one system into corresponding values of another system. Conversion factors can be used to translate physical units of measure for various fuels into Btu equivalents. See **British Thermal Unit**.

**Cord (wood):** A cord of wood measures 4 feet by 4 feet by 8 feet or 128 cubic feet.

**Crude Oil (Including Lease Condensate):** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include: 1) small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included; 2) small amounts of nonhydrocarbons produced with the oil, such as sulfur and various metals; and 3) drip gases, and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

**Crude Oil Used Directly:** Crude oil consumed as fuel by petroleum pipelines and on crude oil leases.

**Cubic foot (cf), natural gas**: The amount of natural gas contained at standard temperature and pressure (60 degrees Fahrenheit and 14.73 pounds standard per square inch) in a cube whose edges are one foot long.

**Denaturant:** Petroleum, typically pentanes plus or conventional motor gasoline, added to fuel ethanol to make it unfit for human consumption. Fuel ethanol is denatured, usually prior to transport from the ethanol production facility, by adding 2 to 5 volume percent denaturant.

**Diesel Fuel:** A fuel composed of distillate fuel oils obtained in petroleum refining operation or blends of such distillate fuel oils with residual fuel oil used in motor vehicles. The boiling point and specific gravity are higher for diesel fuels than for gasoline.

**Distillate Fuel Oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**Electrical System Energy Losses:** The amount of energy lost during generation, transmission, and distribution of electricity, including plant and unaccounted-for uses.

**Electricity Retail Sales:** The amount of electricity sold by electric utilities and other energy service providers to customers purchasing electricity for their own use and not for resale.

**Electric Power Sector**: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS (North American Industry Classification System) 22 category whose primary business is to sell electricity, or electricity and heat, to the public. *Note*: This sector includes electric utilities and independent power producers.

**Electric Utility:** A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Electric utilities are included in the electric power sector. *Note*: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

**End-Use Sectors:** The residential, commercial, industrial, and transportation sectors of the economy.

**Energy:** The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to

produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

**Energy Consumption:** The use of energy as a source of heat or power or as a raw material input in the manufacturing process.

**Energy-Consuming Sectors:** See **Energy-Use Sectors**.

**Energy-Use Sectors:** A group of major energy-consuming components of U.S. society developed to measure and analyze energy use. The sectors most commonly referred to in EIA are: residential, commercial, industrial, transportation, and electric power.

**Ethanol:** See **Fuel Ethanol.**

**Exports:** Shipments of goods from within the 50 States and the District of Columbia to U.S. possessions and territories or to foreign countries.

**Federal Energy Regulatory Commission (FERC):** The Federal agency with jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification. FERC is an independent regulatory agency within the Department of Energy and is the successor to the Federal Power Commission.

**Federal Power Commission (FPC):** The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. It was abolished on September 30, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission, an independent regulatory agency.

**Fiscal Year:** The U.S. Government's fiscal year runs from October 1 through September 30. The fiscal year is designated by the calendar year in which it ends; e.g., fiscal year 2004 begins on October 1, 2003, and ends on September 30, 2004.

**Fossil Fuel:** An energy source formed in the Earth's crust from decayed organic material, such as petroleum, coal, and natural gas.

**Fossil-Fueled Steam-Electric Power Plant:** An electricity generation plant in which the prime mover is a turbine rotated by high-pressure steam produced in a boiler by heat from burning fossil fuels.

**Fuel Ethanol:** Ethanol intended for fuel use. Fuel ethanol in the United States must be anhydrous (less than 1 percent water). Fuel ethanol is denatured (made unfit for human consumption), usually prior to transport from the ethanol production facility, by adding 2 to 5 volume percent petroleum, typically pentanes plus or conventional motor gasoline. Fuel ethanol is used principally for blending in low concentrations with motor gasoline as an oxygenate or octane enhancer. In high concentrations, it is used to fuel alternative-fuel vehicles specially designed for its use.

**Gasohol:** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration between 5.7 percent and 10 percent by volume.

**Geothermal Energy:** Hot water or steam extracted from geothermal reservoirs in the Earth's crust and used for geothermal heat pumps, water heating, or electricity generation.

**Gross Domestic Product (GDP):** The total value of goods and services produced by labor and property located in the United States. As long as the labor and property are located in the United States, the supplier (that is, the workers and, for property, the owners) may be either U.S. residents or residents of foreign countries.

**Heat Content:** The amount of heat energy available to be released by the transformation or use of a specified physical unit of an energy form (e.g., a ton of coal, a barrel of oil, a kilowatthour of electricity, a cubic foot of natural gas, or a pound of steam). The amount of heat energy is commonly expressed in British thermal units (Btu). Note: Heat content of combustible energy forms can be expressed in terms of either gross heat content (higher or upper heating value) or net heat content (lower heating value), depending upon whether or not the available heat energy includes or excludes the energy used to vaporize water (contained in the original energy form or created during the combustion process). The Energy Information Administration typically uses gross heat content values.

**Heat Rate:** A measure of generating station thermal efficiency commonly stated as Btu per kilowatthour. *Note*: Heat rates can be expressed as either gross or net heat rates, depending whether the electricity output is gross or net generation. Heat rates are typically expressed as net heat rates.

**Hydroelectric Power:** The production of electricity from the kinetic energy of falling water.

**Hydroelectric Power, Conventional**: Hydroelectric power generated from flowing water that is not created by hydroelectric pumped storage.

**Hydroelectric Pumped Storage**: Hydroelectric power that is generated during peak load periods by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in an electric power plant at a lower level.

**Hydroelectric Power Plant:** A plant in which the turbine generators are driven by falling water.

**Imports:** Receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

**Independent Power Producer**: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility. *Note:* Independent power producers are included in the electric power sector.

**Industrial Sector:** An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, fishing and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

**Jet Fuel, Kerosene-Type:** A kerosene-based product with a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL–T–5624P and MIL–T–83133D (Grades JP–5 and JP–8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Jet Fuel, Naphtha-Type:** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL–T–5624L (Grade JP–4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds.

**Kerosene:** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See **Jet Fuel, Kerosene-Type**.

**Kilowatthour (kWh)**: A measure of electricity defined as a unit of work or energy, measured as 1 kilowatt (1,000 watts) of power expended for 1 hour. One kilowatthour is equivalent to 3,412 Btu.

**Lease and Plant Fuel:** Natural gas used in well, field, and lease operations (such as gas used in drilling operations, heaters, dehydrators, and field compressors), and as fuel in natural gas processing plants.

**Lease Condensate:** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas plant liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities.

**Liquefied Petroleum Gases (LPG):** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include

ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Lubricants:** Substances used to reduce friction between bearing surfaces, or incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils, from spindle oil to cylinder oil to those used in greases.

**Methanol:** A light, volatile alcohol ($CH_3OH$) eligible for motor gasoline blending.

**Miscellaneous Petroleum Products:** All finished petroleum products not classified elsewhere—for example, petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils.

**Motor Gasoline Blending Components:** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus.

**Motor Gasoline (Finished):** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D–4814 or Federal Specification VV–G–1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10-percent recovery point to 365 to 374 degrees Fahrenheit at the 90-percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. *Note*: Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline.

**Natural Gas**: A gaseous mixture of hydrocarbon compounds, the primary one being methane.

**Natural Gas, Dry:** Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

**Natural Gasoline:** A term used in the gas processing industry to refer to a mixture of liquid hydrocarbons (mostly pentanes and heavier hydrocarbons) extracted from natural gas. It includes isopentane.

**Net Interstate Flow of Electricity:** The difference between the sum of electricity sales and losses within a State and the total amount of electricity generated within that State. A positive number indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

**Non-Biomass Waste:** Material of non-biological origin that is a byproduct or a discarded product. "Non-biomass waste" includes municipal solid waste from non-biogenic sources, such as plastics, and tire-derived fuels.

**Nonutilities:** See **Nonutility Power Producer**.

**Nonutility Power Producer:** A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for electric generation and is not an electric utility. Nonutility power producers include qualifying cogenerators, qualifying small power producers, and other nonutility generators (including independent power producers). Nonutility power producers are without a designated franchised service area and do not file forms listed in the *Code of Federal Regulations*, Title 18, Part 141.

**North American Industry Classification System (NAICS):** A coding system developed jointly by the United States, Canada, and Mexico to classify businesses and industries according to the type of economic activity in which they are engaged. NAICS replaces the Standard Industrial Classification (SIC) codes.

**Nuclear Electric Power (nuclear power):** Electricity generated by the use of the thermal energy released from the fission of nuclear fuel in a reactor.

**PAD Districts:** Petroleum Administration for Defense Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts for the Petroleum Administration for Defense in 1950. The districts were originally instituted for economic and geographic reasons as Petroleum Administration for War (PAW) Districts, which were established in 1942.

**Pentanes Plus:** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Petrochemical Feedstocks:** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. In this report the categories reported are "Naphthas Less Than 401° F. Endpoint" and "Other Oils Equal to or Greater Than 401° F. Endpoint."

**Petroleum:** A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. *Note*: Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

**Petroleum Coke:** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke.

**Petroleum Coke, Catalyst:** The carbonaceous residue that is deposited on and deactivates the catalyst used in many catalytic operations (e.g., catalytic cracking). Carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. That carbon or coke is not recoverable in a concentrated form.

**Petroleum Coke, Marketable:** Those grades of coke produced in delayed or fluid cokers that may be recovered as relatively pure carbon. Marketable petroleum coke may be sold as is or further purified by calcining.

**Petroleum Consumption:** The sum of all refined petroleum products supplied. See **Products Supplied (petroleum)**.

**Petroleum Products:** Products obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Products Supplied (petroleum):** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas-processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows field production, plus refinery production, plus imports, plus unaccounted-for crude oil (plus net receipts when calculated on a PAD District basis) minus stock change, minus crude oil losses, minus refinery inputs, and minus exports.

**Photovoltaic Energy:** Direct-current electricity generated from photovoltaic cells. See **Photovoltaic Cells (PVC)**.

**Photovoltaic Cells (PVC):** An electronic device consisting of layers of semiconductor materials fabricated to form a junction (adjacent layers of materials with different electronic characteristics) and electrical contacts and being capable of converting incident light directly into electricity (direct current).

**Plant Condensate:** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Propane:** A normally gaseous straight-chain hydrocarbon ($C_3H_8$). It is a colorless paraffinic gas that boils at a temperature of -43.67° F. It is extracted from natural gas or refinery gas streams. It includes all products

designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD–5 propane.

**Refinery (petroleum):** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

**Renewable Energy:** Energy obtained from sources that are essentially inexhaustible (unlike, for example, fossil fuels, which are in finite supply). Renewable sources of energy include conventional hydroelectric power, wood, waste, alcohol fuels, geothermal, solar, and wind.

**Residential Sector:** An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

**Residual Fuel Oil:** The heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D396 and D975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore powerplants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Road Oil:** Any heavy petroleum oil, including residual asphaltic oil, used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades, from 0, the most liquid, to 5, the most viscous.

**Short Ton (coal):** A unit of weight equal to 2,000 pounds.

**Solar Thermal Energy:** The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity.

**Special Naphthas:** All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. Those products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specifications D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks, are excluded.

**Standard Industrial Classification (SIC):** A set of codes developed by the Office of Management and Budget which categorizes industries into groups with similar economic activities. It has been replaced by **North American Industry Classification System**.

**Still Gas (refinery gas):** Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, and propylene. It is used primarily as refinery fuel and petrochemical feedstock.

**Supplemental Gaseous Fuels:** Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

**Transportation Sector:** An energy-consuming sector that consists of all vehicles whose primary purpose is transporting people and/or goods from one physical location to another. Included are automobiles; trucks; buses; motorcycles; trains, subways, and other rail vehicles; aircraft; and ships, barges, and other waterborne vehicles. Vehicles whose primary purpose is not transportation (e.g., construction cranes and bulldozers, farming vehicles, and warehouse tractors and forklifts) are classified in the sector of their primary use. In this report, natural gas used in the operation of natural gas pipelines is included in the transportation sector.

**Unfinished Oils:** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams:** Mixtures of unsegregated natural gas liquid components, excluding those in plant condensate. This product is extracted from natural gas.

**United States:** The 50 States and the District of Columbia.

**Value Added by Manufacture:** A measure of manufacturing activity that is derived by subtracting the cost of materials (which covers materials, supplies, containers, fuel, purchased electricity, and contract work) from the value of shipments. This difference is then adjusted by the net change in finished goods and work-in-progress between the beginning- and end-of-year inventories.

**Vessel Bunkering**: Includes sales for the fueling of commercial or private boats, such as pleasure craft, fishing boats, tugboats, and ocean-going vessels, including vessels operated by oil companies. Excluded are volumes sold to the U.S. Armed Forces.

**Waste Energy:** See **Biomass Waste** and **Non-Biomass Waste**.

**Wax:** A solid or semi-solid material consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 100 and 200 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Wind Energy:** Kinetic energy present in wind motion that can be converted to mechanical energy for driving pumps, mills, and electric power generators.

**Wood Energy:** Wood and wood products used as fuel, including round wood (cord wood), limb wood, wood chips, bark, sawdust, forest residues, charcoal, pulp waste, and spent pulping liquor.