

Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2019, Virginia

| Year | Coal Thousand Short Tons | Natural Gas ^a Billion Cubic Feet | Petroleum | | | | | | Hydro-electric Power ^{e,f} Million Kilowatthours | Biomass Wood and Waste ^g | Geothermal ^f | Solar ^{f,h} Million Kilowatthours | Electricity Retail Sales | Net Energy ^{f,i} | Electrical System Energy Losses ^j | Total ^{f,j} |
|------|-----------------------------|--|---------------------|------------------|----------|-----------------------------|-------------------|--------------------|--|--|-------------------------|---|--------------------------|---------------------------|--|----------------------|
| | | | Distillate Fuel Oil | HGL ^b | Kerosene | Motor Gasoline ^c | Residual Fuel Oil | Total ^d | | | | | | | | |
| | | | Thousand Barrels | | | | | | | | | | | | | |
| 1960 | 533 | 11 | 1,388 | 256 | 93 | 223 | 175 | 2,135 | NA | -- | -- | NA | 3,676 | -- | -- | -- |
| 1965 | 342 | 15 | 1,591 | 395 | 97 | 275 | 211 | 2,567 | NA | -- | -- | NA | 6,192 | -- | -- | -- |
| 1970 | 207 | 30 | 2,072 | 498 | 91 | 210 | 118 | 2,989 | NA | -- | -- | NA | 10,804 | -- | -- | -- |
| 1975 | 226 | 32 | 1,935 | 543 | 41 | 310 | 245 | 3,075 | NA | -- | -- | NA | 14,014 | -- | -- | -- |
| 1980 | 152 | 38 | 1,634 | 524 | 46 | 371 | 443 | 3,018 | NA | -- | -- | NA | 16,969 | -- | -- | -- |
| 1985 | 211 | 34 | 2,747 | 629 | 214 | 456 | 443 | 4,489 | NA | -- | -- | NA | 21,491 | -- | -- | -- |
| 1990 | 189 | 41 | 2,815 | 740 | 139 | 478 | 218 | 4,390 | 0 | -- | -- | (s) | 28,082 | -- | -- | -- |
| 1995 | 248 | 57 | 2,657 | 1,001 | 275 | 132 | 205 | 4,269 | 0 | -- | -- | (s) | 33,051 | -- | -- | -- |
| 2000 | 74 | 66 | 3,322 | 1,219 | 276 | 122 | 431 | 5,369 | 0 | -- | -- | (s) | 38,459 | -- | -- | -- |
| 2001 | 115 | 60 | 2,959 | 1,107 | 228 | 124 | 282 | 4,700 | 0 | -- | -- | (s) | 39,329 | -- | -- | -- |
| 2002 | 68 | 63 | 2,457 | 1,065 | 88 | 127 | 74 | 3,811 | 0 | -- | -- | (s) | 40,642 | -- | -- | -- |
| 2003 | 92 | 64 | 3,245 | 1,402 | 195 | 123 | 405 | 5,371 | 0 | -- | -- | (s) | 41,179 | -- | -- | -- |
| 2004 | 83 | 65 | 3,027 | 1,313 | 242 | 124 | 316 | 5,022 | 0 | -- | -- | (s) | 43,025 | -- | -- | -- |
| 2005 | 111 | 66 | 2,980 | 1,261 | 203 | 115 | 83 | 4,642 | 0 | -- | -- | (s) | 44,670 | -- | -- | -- |
| 2006 | 24 | 62 | 2,692 | 1,093 | 168 | 100 | 37 | 4,090 | 0 | -- | -- | (s) | 44,654 | -- | -- | -- |
| 2007 | 75 | 66 | 2,088 | 1,173 | 162 | 116 | 18 | 3,557 | 0 | -- | -- | (s) | 46,971 | -- | -- | -- |
| 2008 | 75 | 67 | 1,549 | 1,445 | 25 | 104 | 20 | 3,143 | 0 | -- | -- | (s) | 46,878 | -- | -- | -- |
| 2009 | 90 | 68 | 1,333 | 1,358 | 28 | 98 | 22 | 2,839 | 0 | -- | -- | (s) | 46,828 | -- | -- | -- |
| 2010 | 84 | 69 | 1,475 | 1,513 | 38 | 80 | 29 | 3,135 | 0 | -- | -- | 1 | 48,037 | -- | -- | -- |
| 2011 | 90 | 64 | 1,153 | 1,568 | 26 | 106 | 12 | 2,864 | 0 | -- | -- | 2 | 47,051 | -- | -- | -- |
| 2012 | 49 | 60 | 1,709 | 1,414 | 11 | 96 | 6 | 3,235 | 0 | -- | -- | 8 | 46,757 | -- | -- | -- |
| 2013 | 51 | 68 | 1,377 | 1,836 | 13 | 93 | 4 | 3,322 | 0 | -- | -- | 8 | 47,751 | -- | -- | -- |
| 2014 | 66 | 72 | 1,598 | 1,981 | 21 | 100 | 4 | 3,704 | 0 | -- | -- | 11 | 47,752 | -- | -- | -- |
| 2015 | 50 | 69 | 1,601 | 1,817 | 13 | 2,234 | 0 | 5,665 | 0 | -- | -- | 13 | 48,347 | -- | -- | -- |
| 2016 | 34 | 68 | 1,494 | 1,898 | 25 | 2,263 | (s) | 5,680 | 0 | -- | -- | 16 | 49,264 | -- | -- | -- |
| 2017 | 37 | 68 | 1,563 | 1,970 | 10 | 2,266 | 0 | 5,808 | 0 | -- | -- | 24 | 50,201 | -- | -- | -- |
| 2018 | 27 | 74 | 1,821 | 1,948 | 12 | 2,303 | 1 | 6,084 | 0 | -- | -- | 23 | 52,268 | -- | -- | -- |
| 2019 | 22 | 71 | 1,879 | 1,829 | 13 | 2,317 | 0 | 6,039 | 0 | -- | -- | 38 | 53,981 | -- | -- | -- |

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| | | | | | | | | | | | | | | | | |
|------|------|------|------|-----|-----|------|-----|------|-----|------|-----|-----|-------|-------|---------|---------|
| 1960 | 13.2 | 11.7 | 8.1 | 1.0 | 0.5 | 1.2 | 1.1 | 11.9 | NA | 0.6 | NA | NA | 12.5 | 49.9 | 31.0 | 80.9 |
| 1965 | 8.4 | 15.3 | 9.3 | 1.5 | 0.5 | 1.4 | 1.3 | 14.1 | NA | 0.4 | NA | NA | 21.1 | 59.3 | 50.4 | 109.8 |
| 1970 | 4.9 | 30.9 | 12.1 | 1.9 | 0.5 | 1.1 | 0.7 | 16.3 | NA | 0.3 | NA | NA | 36.9 | 89.3 | 89.2 | 178.5 |
| 1975 | 5.3 | 33.0 | 11.3 | 2.1 | 0.2 | 1.6 | 1.5 | 16.8 | NA | 0.4 | NA | NA | 47.8 | 103.2 | 114.7 | 217.9 |
| 1980 | 3.7 | 39.0 | 9.5 | 2.0 | 0.3 | 1.9 | 2.8 | 16.5 | NA | 0.5 | NA | NA | 57.9 | 117.7 | 139.1 | 256.7 |
| 1985 | 5.3 | 35.3 | 16.0 | 2.4 | 1.2 | 2.4 | 2.8 | 24.8 | NA | 0.6 | NA | NA | 73.3 | 139.2 | 167.9 | 307.1 |
| 1990 | 4.7 | 42.8 | 16.4 | 2.8 | 0.8 | 2.5 | 1.4 | 23.9 | 0.0 | 7.3 | (s) | (s) | 95.8 | 174.6 | 227.7 | 402.3 |
| 1995 | 6.2 | 58.7 | 15.5 | 3.8 | 1.6 | 0.7 | 1.3 | 22.8 | 0.0 | 5.4 | 0.1 | (s) | 112.8 | 206.0 | 272.2 | 478.1 |
| 2000 | 1.9 | 68.4 | 19.3 | 4.7 | 1.6 | 0.6 | 2.7 | 28.9 | 0.0 | 10.1 | 0.2 | (s) | 131.2 | 240.6 | 316.4 | 557.0 |
| 2001 | 2.9 | 62.1 | 17.2 | 4.3 | 1.3 | 0.6 | 1.8 | 25.2 | 0.0 | 6.2 | 0.3 | (s) | 134.2 | 230.7 | 319.0 | 549.6 |
| 2002 | 1.7 | 64.9 | 14.3 | 4.1 | 0.5 | 0.7 | 0.5 | 20.0 | 0.0 | 5.4 | 0.3 | (s) | 138.7 | 230.9 | 332.8 | 563.7 |
| 2003 | 2.3 | 66.4 | 18.9 | 5.4 | 1.1 | 0.6 | 2.5 | 28.6 | 0.0 | 6.4 | 0.4 | (s) | 140.5 | 244.4 | 327.7 | 572.2 |
| 2004 | 2.1 | 66.5 | 17.6 | 5.0 | 1.4 | 0.6 | 2.0 | 26.7 | 0.0 | 7.2 | 0.4 | (s) | 146.8 | 249.7 | 347.2 | 596.9 |
| 2005 | 2.8 | 68.6 | 17.3 | 4.8 | 1.2 | 0.6 | 0.5 | 24.4 | 0.0 | 8.5 | 0.5 | (s) | 152.4 | 257.2 | 360.4 | 617.5 |
| 2006 | 0.6 | 64.6 | 15.6 | 4.2 | 1.0 | 0.5 | 0.2 | 21.5 | 0.0 | 8.2 | 0.5 | (s) | 152.4 | 247.7 | 358.2 | 605.9 |
| 2007 | 1.9 | 68.9 | 12.1 | 4.5 | 0.9 | 0.6 | 0.1 | 18.2 | 0.0 | 7.6 | 0.6 | (s) | 160.3 | 257.4 | 375.2 | 632.6 |
| 2008 | 2.0 | 69.5 | 9.0 | 5.5 | 0.1 | 0.5 | 0.1 | 15.3 | 0.0 | 7.5 | 0.6 | (s) | 159.9 | 254.9 | 375.1 | 630.0 |
| 2009 | 2.3 | 70.1 | 7.7 | 5.2 | 0.2 | 0.5 | 0.1 | 13.7 | 0.0 | 6.9 | 0.7 | (s) | 159.8 | 253.5 | 364.5 | 618.0 |
| 2010 | 2.2 | 70.7 | 8.5 | 5.8 | 0.2 | 0.4 | 0.2 | 15.1 | 0.0 | 7.1 | 0.8 | (s) | 163.9 | 259.8 | 372.4 | 632.2 |
| 2011 | 2.4 | 66.0 | 6.7 | 6.0 | 0.1 | 0.5 | 0.1 | 13.4 | 0.0 | 6.6 | 1.0 | (s) | 160.5 | 249.9 | 357.4 | 607.4 |
| 2012 | 1.3 | 62.3 | 9.9 | 5.4 | 0.1 | 0.5 | (s) | 15.9 | 0.0 | 6.9 | 0.9 | 0.1 | 159.5 | 246.9 | 343.9 | 590.8 |
| 2013 | 1.3 | 70.6 | 7.9 | 7.1 | 0.1 | 0.5 | (s) | 15.6 | 0.0 | 7.4 | 0.9 | 0.1 | 162.9 | 258.8 | 353.1 | 611.9 |
| 2014 | 1.8 | 75.7 | 9.2 | 7.6 | 0.1 | 0.5 | (s) | 17.5 | 0.0 | 7.4 | 0.9 | 0.1 | 162.9 | 266.3 | 350.5 | 616.8 |
| 2015 | 1.3 | 72.4 | 9.2 | 7.0 | 0.1 | 11.3 | 0.0 | 27.6 | 0.0 | 7.2 | 0.9 | 0.1 | 165.0 | 274.4 | 340.7 | 615.1 |
| 2016 | 0.9 | 71.0 | 8.6 | 7.3 | 0.1 | 11.4 | (s) | 27.5 | 0.0 | 7.4 | 0.9 | 0.1 | 168.1 | 275.8 | R 336.7 | R 612.5 |
| 2017 | 0.9 | 71.9 | 9.0 | 7.6 | 0.1 | 11.4 | 0.0 | 28.1 | 0.0 | 7.2 | 0.9 | 0.2 | 171.3 | 280.5 | R 331.8 | R 612.3 |
| 2018 | 0.7 | 78.6 | 10.5 | 7.5 | 0.1 | 11.6 | (s) | 29.7 | 0.0 | 6.8 | 0.9 | 0.2 | 178.3 | 295.2 | R 341.3 | R 636.5 |
| 2019 | 0.6 | 75.3 | 10.8 | 7.0 | 0.1 | 11.7 | 0.0 | 29.6 | 0.0 | 5.8 | 0.9 | 0.3 | 184.2 | 296.8 | 334.4 | 631.2 |

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, assumed to be propane only.

^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

^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 Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

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. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities.

^j Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = 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 <https://www.eia.gov/state/seds/seds-data-complete.php>.

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