

**Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2021, Arizona**

ARIZONA

| Year | Coal<br>Thousand Short Tons | Natural Gas <sup>a</sup><br>Billion Cubic Feet | Petroleum         |                                  |                  |                       |            |                             |                   |           | Electricity <sup>f</sup><br>Million Kilowatthours | End Use <sup>g,h</sup> | Electrical System Energy Losses <sup>i</sup> | Total <sup>g,h</sup> |
|------|-----------------------------|--|-------------------|----------------------------------|------------------|-----------------------|------------|-----------------------------|-------------------|-----------|---|------------------------|--|----------------------|
|      |                             |  | Aviation Gasoline | Distillate Fuel Oil <sup>b</sup> | HGL <sup>c</sup> | Jet Fuel <sup>d</sup> | Lubricants | Motor Gasoline <sup>e</sup> | Residual Fuel Oil | Total     |   |                        |  |                      |
|      |                             |  | Thousand Barrels  |                                  |                  |                       |            |                             |                   |           |   |                        |  |                      |
| 1960 | (s)                         | 16   | 699               | 1,404                            | 34               | 4,721                 | 193        | 11,759                      | 17                | 18,829    | 0   | --                     | --   | --                   |
| 1965 | (s)                         | 18   | 478               | 1,790                            | 40               | 5,545                 | 206        | 14,423                      | 0                 | 22,482    | 0   | --                     | --   | --                   |
| 1970 | (s)                         | 24   | 427               | 3,192                            | 63               | 6,644                 | 229        | 20,940                      | 0                 | 31,494    | 0   | --                     | --   | --                   |
| 1975 | (s)                         | 17   | 358               | 4,756                            | 51               | 6,995                 | 267        | 27,087                      | 0                 | 39,514    | 0   | --                     | --   | --                   |
| 1980 | 0                           | 21   | 281               | 6,480                            | 78               | 7,967                 | 347        | 30,100                      | 0                 | 45,253    | 0   | --                     | --   | --                   |
| 1985 | 0                           | 19   | 184               | 7,624                            | 92               | 7,154                 | 316        | 35,604                      | 0                 | 50,974    | 0   | --                     | --   | --                   |
| 1990 | 0                           | 25   | 194               | 7,936                            | 55               | 8,501                 | 355        | 38,566                      | 0                 | 55,608    | 0   | --                     | --   | --                   |
| 1995 | 0                           | 19   | 139               | 11,068                           | 51               | 7,588                 | 339        | 46,714                      | 0                 | 65,899    | 0   | --                     | --   | --                   |
| 2000 | 0                           | 21   | 204               | 14,474                           | 23               | 10,433                | 362        | 56,056                      | 0                 | 81,551    | 0   | --                     | --   | --                   |
| 2005 | 0                           | 19   | 188               | 20,456                           | 203              | 8,018                 | 305        | 66,394                      | 0                 | 95,564    | 0   | --                     | --   | --                   |
| 2006 | 0                           | 23   | 177               | 21,703                           | 233              | 7,721                 | 298        | 68,043                      | 0                 | 98,175    | 0   | --                     | --   | --                   |
| 2007 | 0                           | 22   | 145               | 21,303                           | 181              | 6,612                 | 307        | 68,890                      | 0                 | 97,439    | 0   | --                     | --   | --                   |
| 2008 | 0                           | 24   | 156               | 18,674                           | 269              | 6,763                 | 285        | 64,665                      | 0                 | 90,814    | 0   | --                     | --   | --                   |
| 2009 | 0                           | 23   | 127               | 18,389                           | 203              | 4,686                 | 256        | 62,308                      | 0                 | 85,968    | 0   | --                     | --   | --                   |
| 2010 | 0                           | 17   | 186               | 18,637                           | 35               | 12,762                | 470        | 62,109                      | 0                 | R 94,200  | 0   | --                     | --   | --                   |
| 2011 | 0                           | 15   | 205               | 19,164                           | R 36             | 13,106                | 454        | 61,066                      | 0                 | 94,029    | 0   | --                     | --   | --                   |
| 2012 | 0                           | 14   | 167               | 18,365                           | R 37             | 12,830                | 411        | 60,471                      | 0                 | R 92,281  | 0   | --                     | --   | --                   |
| 2013 | 0                           | 14   | 139               | 18,464                           | R 51             | 12,965                | 432        | 61,811                      | 0                 | R 93,860  | 0   | --                     | --   | --                   |
| 2014 | 0                           | 16   | 205               | 18,452                           | R 78             | 13,205                | 442        | 62,359                      | 0                 | R 94,742  | 0   | --                     | --   | --                   |
| 2015 | 0                           | 17   | 167               | 18,994                           | R 126            | 13,327                | 489        | 63,166                      | 0                 | R 96,270  | 6   | --                     | --   | --                   |
| 2016 | 0                           | 16   | 150               | 19,577                           | R 151            | 13,287                | 474        | 65,457                      | 0                 | R 99,096  | 7   | --                     | --   | --                   |
| 2017 | 0                           | 14   | 167               | 19,643                           | R 128            | 13,887                | 436        | 65,825                      | 0                 | R 100,086 | 8   | --                     | --   | --                   |
| 2018 | 0                           | 14   | 191               | 20,822                           | R 107            | 13,435                | 428        | 67,174                      | 0                 | R 102,157 | 8   | --                     | --   | --                   |
| 2019 | 0                           | 18   | 207               | 21,995                           | R 101            | R 13,959              | 421        | 67,721                      | 0                 | R 104,402 | 11  | --                     | --   | --                   |
| 2020 | 0                           | 18   | 183               | 22,087                           | R 83             | R 9,816               | 383        | 59,918                      | 0                 | R 92,471  | 11  | --                     | --   | --                   |
| 2021 | 0                           | 19   | 168               | 23,799                           | 145              | 12,715                | 408        | 66,146                      | 0                 | 103,620   | 11  | --                     | --   | --                   |

**Trillion Btu**

|      |     |      |     |       |       |        |     |       |     |         |     |         |     |         |
|------|-----|------|-----|-------|-------|--------|-----|-------|-----|---------|-----|---------|-----|---------|
| 1960 | (s) | 16.5 | 3.5 | 8.2   | 0.1   | 25.3   | 1.2 | 61.8  | 0.1 | 100.2   | 0.0 | 116.7   | 0.0 | 116.7   |
| 1965 | (s) | 19.4 | 2.4 | 10.4  | 0.2   | 30.1   | 1.2 | 75.8  | 0.0 | 120.1   | 0.0 | 139.4   | 0.0 | 139.4   |
| 1970 | (s) | 25.4 | 2.2 | 18.6  | 0.2   | 36.4   | 1.4 | 110.0 | 0.0 | 168.8   | 0.0 | 194.1   | 0.0 | 194.1   |
| 1975 | (s) | 17.9 | 1.8 | 27.7  | 0.2   | 38.6   | 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  | 0.3   | 43.9   | 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  | 0.4   | 39.4   | 1.9 | 187.0 | 0.0 | 274.1   | 0.0 | 293.4   | 0.0 | 293.4   |
| 1990 | 0.0 | 26.1 | 1.0 | 46.2  | 0.2   | 47.3   | 2.2 | 202.6 | 0.0 | 299.5   | 0.0 | 325.6   | 0.0 | 325.6   |
| 1995 | 0.0 | 19.3 | 0.7 | 64.4  | 0.2   | 43.0   | 2.1 | 243.1 | 0.0 | 353.5   | 0.0 | 372.8   | 0.0 | 372.8   |
| 2000 | 0.0 | 21.7 | 1.0 | 84.2  | 0.1   | 59.2   | 2.2 | 291.5 | 0.0 | 438.2   | 0.0 | 459.9   | 0.0 | 459.9   |
| 2005 | 0.0 | 19.9 | 0.9 | 119.0 | 0.8   | 45.5   | 1.9 | 344.7 | 0.0 | 512.8   | 0.0 | 532.8   | 0.0 | 532.8   |
| 2006 | 0.0 | 23.0 | 0.9 | 125.9 | 0.9   | 43.8   | 1.8 | 352.8 | 0.0 | 526.1   | 0.0 | 549.5   | 0.0 | 549.5   |
| 2007 | 0.0 | 23.0 | 0.7 | 123.2 | 0.7   | 37.5   | 1.9 | 354.2 | 0.0 | 518.2   | 0.0 | 541.7   | 0.0 | 541.7   |
| 2008 | 0.0 | 24.8 | 0.8 | 107.9 | 1.0   | 38.3   | 1.7 | 330.2 | 0.0 | 480.0   | 0.0 | 505.2   | 0.0 | 505.2   |
| 2009 | 0.0 | 23.4 | 0.6 | 106.2 | 0.8   | 26.6   | 1.6 | 317.1 | 0.0 | 452.9   | 0.0 | 476.3   | 0.0 | 476.3   |
| 2010 | 0.0 | 17.8 | 0.9 | 107.6 | 0.1   | 72.4   | 2.8 | 314.7 | 0.0 | 498.6   | 0.0 | 516.4   | 0.0 | 516.4   |
| 2011 | 0.0 | 15.1 | 1.0 | 110.6 | 0.1   | 74.3   | 2.8 | 309.2 | 0.0 | 498.0   | 0.0 | 513.0   | 0.0 | 513.0   |
| 2012 | 0.0 | 14.4 | 0.8 | 105.9 | 0.1   | 72.7   | 2.5 | 306.1 | 0.0 | 488.2   | 0.0 | 502.6   | 0.0 | 502.6   |
| 2013 | 0.0 | 14.7 | 0.7 | 106.4 | 0.2   | 73.5   | 2.6 | 312.8 | 0.0 | 496.2   | 0.0 | 510.9   | 0.0 | 510.9   |
| 2014 | 0.0 | 16.2 | 1.0 | 106.3 | R 0.3 | 74.9   | 2.7 | 315.5 | 0.0 | R 500.7 | 0.0 | R 516.9 | 0.0 | R 516.9 |
| 2015 | 0.0 | 18.2 | 0.8 | 109.4 | R 0.5 | 75.6   | 3.0 | 319.4 | 0.0 | R 508.7 | (s) | R 527.0 | (s) | R 527.0 |
| 2016 | 0.0 | 16.9 | 0.8 | 112.7 | R 0.6 | 75.3   | 2.9 | 330.9 | 0.0 | R 523.1 | (s) | R 540.0 | (s) | R 540.1 |
| 2017 | 0.0 | 14.9 | 0.8 | 113.1 | R 0.5 | 78.7   | 2.6 | 332.6 | 0.0 | R 528.4 | (s) | R 543.3 | 0.1 | R 543.4 |
| 2018 | 0.0 | 14.5 | 1.0 | 119.9 | R 0.4 | 76.2   | 2.6 | 339.5 | 0.0 | R 539.6 | (s) | R 554.1 | 0.1 | R 554.2 |
| 2019 | 0.0 | 18.1 | 1.0 | 126.7 | R 0.4 | R 79.1 | 2.6 | 342.1 | 0.0 | R 551.9 | (s) | R 570.0 | 0.1 | R 570.1 |
| 2020 | 0.0 | 19.0 | 0.9 | 127.1 | R 0.3 | R 55.7 | 2.3 | 302.7 | 0.0 | R 489.1 | (s) | R 508.1 | 0.1 | R 508.2 |
| 2021 | 0.0 | 19.3 | 0.8 | 137.2 | 0.6   | 72.1   | 2.5 | 334.0 | 0.0 | 548.5   | (s) | 567.8   | 0.1 | 567.9   |

<sup>a</sup> Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.

<sup>d</sup> 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."

<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>f</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

<sup>g</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

<sup>h</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

<sup>i</sup> 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.

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

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>