

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Montana

| Year |                     |                          | Petroleum                        |                  |                       |                             |                   |                    |          | Nuclear electric power | Hydro-electric power <sup>g</sup> | Wind  | Fuel ethanol <sup>h</sup> | Biodiesel |
|------|---------------------|--------------------------|----------------------------------|------------------|-----------------------|-----------------------------|-------------------|--------------------|----------|------------------------|-----------------------------------|-------|---------------------------|-----------|
|      | Coal                | Natural gas <sup>a</sup> | Distillate fuel oil <sup>b</sup> | HGL <sup>c</sup> | Jet fuel <sup>d</sup> | Motor gasoline <sup>e</sup> | Residual fuel oil | Other <sup>f</sup> | Total    |                        |                                   |       |                           |           |
|      | Thousand short tons | Billion cubic feet       | Thousand barrels                 |                  |                       |                             |                   |                    |          |                        |                                   |       |                           |           |
| 1960 | 253                 | 56                       | 4,898                            | 737              | 265                   | 6,922                       | 2,063             | 4,234              | 19,118   | 0                      | 5,801                             | 0     | NA                        | NA        |
| 1965 | 370                 | 71                       | 4,962                            | 926              | 384                   | 7,709                       | 1,241             | 4,587              | 19,809   | 0                      | 8,389                             | 0     | NA                        | NA        |
| 1970 | 763                 | 88                       | 4,827                            | 1,326            | 649                   | 9,262                       | 1,268             | 5,338              | 22,670   | 0                      | 8,745                             | 0     | NA                        | NA        |
| 1971 | 731                 | 88                       | 5,715                            | 1,402            | 767                   | 9,494                       | 1,262             | 5,285              | 23,926   | 0                      | 9,594                             | 0     | NA                        | NA        |
| 1972 | 830                 | 84                       | 6,206                            | 1,705            | 762                   | 10,137                      | 1,469             | 6,031              | 26,308   | 0                      | 9,444                             | 0     | NA                        | NA        |
| 1973 | 951                 | 90                       | 6,989                            | 1,503            | 757                   | 10,883                      | 1,765             | 6,151              | 28,048   | 0                      | 7,520                             | 0     | NA                        | NA        |
| 1974 | 923                 | 80                       | 7,840                            | 1,466            | 780                   | 10,550                      | 2,262             | 5,418              | 28,316   | 0                      | 9,724                             | 0     | NA                        | NA        |
| 1975 | 1,149               | 80                       | 7,586                            | 1,370            | 818                   | 10,630                      | 2,178             | 5,105              | 27,687   | 0                      | 10,166                            | 0     | NA                        | NA        |
| 1976 | 2,507               | 74                       | 8,411                            | 1,421            | 753                   | 11,605                      | 2,525             | 5,127              | 29,843   | 0                      | 12,402                            | 0     | NA                        | NA        |
| 1977 | 3,385               | 71                       | 8,258                            | 1,368            | 772                   | 11,100                      | 2,506             | 5,266              | 29,270   | 0                      | 8,460                             | 0     | NA                        | NA        |
| 1978 | 3,390               | 73                       | 8,232                            | 1,662            | 699                   | 12,809                      | 2,502             | 5,095              | 30,999   | 0                      | 11,708                            | 0     | NA                        | NA        |
| 1979 | 3,686               | 70                       | 9,037                            | 1,094            | 907                   | 11,162                      | 5,773             | 4,896              | 32,869   | 0                      | 10,344                            | 0     | NA                        | NA        |
| 1980 | 3,520               | 61                       | 7,509                            | 1,806            | 920                   | 10,416                      | 4,025             | 4,585              | 29,262   | 0                      | 9,966                             | 0     | NA                        | NA        |
| 1981 | 3,622               | 52                       | 6,469                            | 1,027            | 800                   | 10,797                      | 2,494             | 4,099              | 25,686   | 0                      | 11,323                            | 0     | 1                         | NA        |
| 1982 | 2,826               | 52                       | 5,828                            | 1,446            | 625                   | 10,429                      | 1,608             | 3,590              | 23,525   | 0                      | 10,920                            | 0     | 24                        | NA        |
| 1983 | 2,533               | 46                       | 8,863                            | 1,497            | 652                   | 10,525                      | 1,306             | 3,804              | 26,648   | 0                      | 11,561                            | 0     | 26                        | NA        |
| 1984 | 5,283               | 47                       | 8,161                            | 1,032            | 642                   | 10,451                      | 798               | 4,181              | 25,266   | 0                      | 11,112                            | (s)   | 23                        | NA        |
| 1985 | 5,713               | 47                       | 10,444                           | 1,576            | 678                   | 10,188                      | 133               | 4,301              | 27,320   | 0                      | 10,175                            | (s)   | 15                        | NA        |
| 1986 | 7,780               | 41                       | 6,621                            | 1,505            | 867                   | 10,158                      | 47                | 4,843              | 24,041   | 0                      | 10,857                            | (s)   | 8                         | NA        |
| 1987 | 7,730               | 39                       | 6,223                            | 1,716            | 718                   | 10,258                      | 23                | 5,218              | 24,156   | 0                      | 8,925                             | 0     | 6                         | NA        |
| 1988 | 10,634              | 42                       | 6,078                            | 1,515            | 809                   | 10,441                      | 221               | 5,448              | 24,513   | 0                      | 8,237                             | 0     | 1                         | NA        |
| 1989 | 10,458              | 46                       | 7,336                            | 1,608            | 750                   | 10,310                      | 180               | 5,709              | 25,893   | 0                      | 9,571                             | 0     | (s)                       | NA        |
| 1990 | 9,850               | 43                       | 7,280                            | 1,740            | 708                   | 10,328                      | 218               | 5,518              | 25,792   | 0                      | 10,717                            | 0     | 3                         | NA        |
| 1991 | 10,786              | 45                       | 7,220                            | 1,053            | 615                   | 10,360                      | 145               | 4,890              | 24,284   | 0                      | 11,970                            | 0     | 13                        | NA        |
| 1992 | 11,300              | 46                       | 6,836                            | 1,018            | 864                   | 10,727                      | 88                | 5,623              | 25,156   | 0                      | 8,271                             | (s)   | 13                        | NA        |
| 1993 | 9,499               | 53                       | 7,315                            | 2,200            | 901                   | 10,999                      | 680               | 5,212              | 27,308   | 0                      | 9,614                             | 0     | 15                        | NA        |
| 1994 | 11,357              | 52                       | 7,381                            | 1,055            | 855                   | 11,097                      | 369               | 5,930              | 26,687   | 0                      | 8,150                             | 0     | 0                         | NA        |
| 1995 | 10,272              | 58                       | 8,049                            | 918              | 1,052                 | 11,328                      | 236               | 6,428              | 28,011   | 0                      | 10,746                            | 0     | 17                        | NA        |
| 1996 | 8,210               | 61                       | 8,070                            | 1,618            | 999                   | 11,753                      | 181               | 7,421              | 30,041   | 0                      | 13,795                            | 0     | 0                         | NA        |
| 1997 | 9,653               | 60                       | 9,037                            | 277              | 793                   | 11,480                      | 162               | 6,780              | 28,528   | 0                      | 13,406                            | 0     | 0                         | NA        |
| 1998 | 11,046              | 60                       | 7,863                            | 271              | 798                   | 11,596                      | 106               | 7,698              | 28,333   | 0                      | 11,118                            | 0     | 10                        | NA        |
| 1999 | 11,074              | 62                       | 7,921                            | 527              | 836                   | 11,768                      | 20                | 9,551              | 30,624   | 0                      | 13,822                            | 0     | 11                        | NA        |
| 2000 | 10,554              | 68                       | 8,069                            | 1,324            | 747                   | 11,559                      | 1                 | 7,953              | 29,652   | 0                      | 9,623                             | 0     | 13                        | NA        |
| 2001 | 11,000              | 65                       | 8,476                            | 1,400            | 756                   | 11,640                      | 2                 | 6,090              | 28,365   | 0                      | 6,613                             | 0     | 35                        | (s)       |
| 2002 | 9,841               | 70                       | 8,145                            | 1,502            | 768                   | 11,871                      | 39                | 6,948              | 29,274   | 0                      | 9,567                             | 0     | 35                        | (s)       |
| 2003 | 11,127              | 68                       | 7,953                            | 2,151            | 832                   | 11,846                      | 6                 | 6,046              | 28,835   | 0                      | 8,702                             | 0     | 30                        | (s)       |
| 2004 | 11,522              | 67                       | 9,988                            | 2,384            | 1,008                 | 11,991                      | 42                | 6,760              | 32,173   | 0                      | 8,856                             | 0     | 38                        | (s)       |
| 2005 | 11,822              | 68                       | 11,465                           | 2,455            | 1,112                 | 11,770                      | 106               | 6,601              | 33,511   | 0                      | 9,587                             | 0     | 261                       | 1         |
| 2006 | 11,531              | 74                       | 12,232                           | 2,409            | 1,045                 | 11,960                      | 125               | 7,672              | 35,443   | 0                      | 10,130                            | 436   | 311                       | 3         |
| 2007 | 12,041              | 74                       | 13,880                           | 2,993            | 1,026                 | 12,079                      | 0                 | 8,155              | 38,133   | 0                      | 9,364                             | 496   | 525                       | 4         |
| 2008 | 12,113              | 76                       | 12,869                           | 2,989            | 832                   | 11,626                      | 0                 | 7,501              | 35,817   | 0                      | 10,000                            | 593   | 660                       | 3         |
| 2009 | 10,221              | 76                       | 11,531                           | 2,586            | 792                   | 11,844                      | 59                | 7,165              | 33,977   | 0                      | 9,506                             | 821   | 762                       | 4         |
| 2010 | 12,087              | 72                       | 9,854                            | 2,349            | 1,126                 | 11,906                      | 1                 | 6,799              | 32,035   | 0                      | 9,415                             | 930   | 699                       | 3         |
| 2011 | 9,848               | 78                       | 10,553                           | 2,530            | 1,104                 | 11,735                      | 4                 | 7,378              | 33,304   | 0                      | 12,596                            | 1,265 | 888                       | 10        |
| 2012 | 9,300               | 73                       | 10,028                           | 2,071            | 1,123                 | 11,887                      | (s)               | 7,350              | 32,459   | 0                      | 11,283                            | 1,262 | 978                       | 9         |
| 2013 | 9,826               | 80                       | 10,548                           | 2,003            | 857                   | 12,144                      | 1                 | 6,987              | 32,540   | 0                      | 9,638                             | 1,755 | 1,035                     | 10        |
| 2014 | 10,462              | 78                       | 9,819                            | 2,297            | 948                   | 12,279                      | 3                 | 6,594              | 31,941   | 0                      | 11,483                            | 1,974 | 1,022                     | 9         |
| 2015 | 10,558              | 75                       | 8,460                            | 2,338            | 854                   | 12,771                      | 0                 | 7,144              | 31,568   | 0                      | 9,888                             | 1,965 | 1,270                     | 8         |
| 2016 | 9,591               | 75                       | 8,703                            | 2,098            | 1,090                 | 12,976                      | 0                 | R 6,990            | R 31,858 | 0                      | 10,083                            | 2,140 | 1,343                     | 12        |
| 2017 | 9,198               | 80                       | 9,013                            | 2,338            | 1,302                 | 12,957                      | 0                 | R 7,273            | R 32,883 | 0                      | 10,946                            | 2,155 | 1,345                     | 5         |
| 2018 | 8,972               | 87                       | 9,230                            | 2,507            | 1,335                 | 12,778                      | 0                 | R 6,884            | R 32,734 | 0                      | 11,405                            | 2,153 | 1,319                     | 6         |
| 2019 | 9,474               | 88                       | 9,485                            | 3,074            | 1,181                 | 12,802                      | 0                 | R 7,024            | R 33,565 | 0                      | 10,005                            | 2,373 | 1,345                     | 7         |
| 2020 | 5,826               | 82                       | 10,037                           | 2,824            | 1,313                 | 12,021                      | 0                 | R 7,110            | R 33,305 | 0                      | 10,748                            | 3,059 | 1,275                     | 6         |
| 2021 | 7,141               | 82                       | R 9,193                          | 2,768            | 1,331                 | 13,135                      | 0                 | R 7,022            | R 33,449 | 0                      | 9,258                             | 3,473 | 1,324                     | 5         |
| 2022 | 7,647               | 89                       | 9,083                            | 3,509            | 1,192                 | 13,029                      | 0                 | 6,822              | 33,635   | 0                      | 9,886                             | 4,022 | 1,224                     | 2         |

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

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

<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<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 "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes. See technical notes.

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

<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be

separately identified.

<sup>h</sup> Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.

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 <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/>

**Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Montana**  
(trillion Btu)

| Year | Fossil fuels |  |  |                  |                          |   |                      |                    |         |         | Fossil fuels<br>(as commingled)  |  |   |
|------|--------------|--|--|------------------|--------------------------|---|----------------------|--------------------|---------|---------|--|--|---|
|      | Coal         | Natural gas<br>excluding<br>supplemental<br>gaseous fuels <sup>a</sup> | Petroleum  |                  |                          |   |                      |                    |         | Total   | Natural gas<br>including<br>supplemental<br>gaseous fuels <sup>a</sup> | Distillate<br>fuel oil<br>including<br>biofuels <sup>a</sup> | Motor<br>gasoline<br>including<br>fuel ethanol <sup>a</sup> |
|      |              |  | Distillate<br>fuel oil<br>excluding<br>biofuels <sup>a</sup> | HGL <sup>b</sup> | Jet<br>fuel <sup>c</sup> | Motor<br>gasoline<br>excluding<br>fuel ethanol <sup>a</sup> | Residual<br>fuel oil | Other <sup>d</sup> | Total   |         |  |  |   |
| 1960 | 4.0          | 57.6   | 28.5   | 2.8              | 1.4                      | 36.4  | 13.0                 | 24.9               | 107.0   | 168.6   | 57.6   | 28.5   | 36.4  |
| 1965 | 5.5          | 70.8   | 28.9   | 3.5              | 2.1                      | 40.5  | 7.8                  | 27.8               | 110.7   | 187.0   | 70.8   | 28.9   | 40.5  |
| 1970 | 12.0         | 90.6   | 28.1   | 5.0              | 3.6                      | 48.7  | 8.0                  | 32.8               | 126.2   | 228.8   | 90.6   | 28.1   | 48.7  |
| 1971 | 11.5         | 91.1   | 33.3   | 5.3              | 4.3                      | 49.9  | 7.9                  | 32.5               | 133.2   | 235.7   | 91.1   | 33.3   | 49.9  |
| 1972 | 13.2         | 87.0   | 36.1   | 6.5              | 4.3                      | 53.2  | 9.2                  | 37.0               | 146.3   | 246.5   | 87.0   | 36.1   | 53.2  |
| 1973 | 15.2         | 93.1   | 40.7   | 5.7              | 4.2                      | 57.2  | 11.1                 | 37.6               | 156.5   | 264.9   | 93.1   | 40.7   | 57.2  |
| 1974 | 14.7         | 81.7   | 45.7   | 5.6              | 4.4                      | 55.4  | 14.2                 | 33.2               | 158.4   | 254.8   | 81.7   | 45.7   | 55.4  |
| 1975 | 18.6         | 81.2   | 44.2   | 5.2              | 4.6                      | 55.8  | 13.7                 | 31.2               | 154.7   | 254.5   | 81.2   | 44.2   | 55.8  |
| 1976 | 42.2         | 75.4   | 49.0   | 5.4              | 4.2                      | 61.0  | 15.9                 | 31.5               | 167.0   | 284.5   | 75.4   | 49.0   | 61.0  |
| 1977 | 57.8         | 71.6   | 48.1   | 5.2              | 4.3                      | 58.3  | 15.8                 | 32.3               | 163.9   | 293.3   | 71.6   | 48.1   | 58.3  |
| 1978 | 57.6         | 72.7   | 48.0   | 6.3              | 3.9                      | 67.3  | 15.7                 | 31.1               | 172.3   | 302.6   | 72.7   | 48.0   | 67.3  |
| 1979 | 63.4         | 69.1   | 52.6   | 4.1              | 5.1                      | 58.6  | 36.3                 | 30.0               | 186.7   | 319.3   | 69.1   | 52.6   | 58.6  |
| 1980 | 60.2         | 61.5   | 43.7   | 6.7              | 5.2                      | 54.7  | 25.3                 | 28.1               | 163.7   | 285.4   | 61.5   | 43.7   | 54.7  |
| 1981 | 62.5         | 53.0   | 37.7   | 3.8              | 4.5                      | 56.7  | 15.7                 | 25.5               | 143.9   | 259.5   | 53.0   | 37.7   | 56.7  |
| 1982 | 48.6         | 52.8   | 33.9   | 5.3              | 3.5                      | 54.8  | 10.1                 | 22.4               | 130.1   | 231.5   | 52.8   | 33.9   | 54.8  |
| 1983 | 42.8         | 46.6   | 51.6   | 5.6              | 3.7                      | 55.3  | 8.2                  | 23.7               | 148.1   | 237.5   | 46.6   | 51.6   | 55.3  |
| 1984 | 90.3         | 47.1   | 47.5   | 3.8              | 3.6                      | 54.9  | 5.0                  | 26.0               | 140.8   | 278.2   | 47.1   | 47.5   | 54.9  |
| 1985 | 99.1         | 47.3   | 60.8   | 5.7              | 3.8                      | 53.5  | 0.8                  | 27.0               | 151.7   | 298.1   | 47.3   | 60.8   | 53.5  |
| 1986 | 133.2        | 41.1   | 38.6   | 5.5              | 4.8                      | 53.4  | 0.3                  | 30.7               | 133.3   | 307.7   | 41.1   | 38.6   | 53.4  |
| 1987 | 132.9        | 39.6   | 36.3   | 6.3              | 4.0                      | 53.9  | 0.1                  | 32.6               | 133.2   | 305.7   | 39.6   | 36.3   | 53.9  |
| 1988 | 181.5        | 42.9   | 35.4   | 5.6              | 4.5                      | 54.8  | 1.4                  | 33.7               | 135.5   | 359.9   | 42.9   | 35.4   | 54.8  |
| 1989 | 179.4        | 46.7   | 42.7   | 6.0              | 4.2                      | 54.2  | 1.1                  | 35.4               | 143.6   | 369.6   | 46.7   | 42.7   | 54.2  |
| 1990 | 168.8        | 44.4   | 42.4   | 6.4              | 4.0                      | 54.3  | 1.4                  | 34.0               | 142.4   | 355.7   | 44.4   | 42.4   | 54.3  |
| 1991 | 184.2        | 46.7   | 42.1   | 4.0              | 3.5                      | 54.4  | 0.9                  | 30.3               | 135.2   | 366.1   | 46.7   | 42.1   | 54.4  |
| 1992 | 194.1        | 46.6   | 39.8   | 3.8              | 4.8                      | 56.3  | 0.6                  | 34.6               | 139.9   | 380.6   | 46.6   | 39.8   | 56.3  |
| 1993 | 161.9        | 54.3   | 42.6   | 7.8              | 5.0                      | 57.3  | 4.3                  | 32.5               | 149.5   | 365.7   | 54.3   | 42.6   | 57.4  |
| 1994 | 193.7        | 53.3   | 43.0   | 3.9              | 4.8                      | 57.9  | 2.3                  | 36.9               | 148.7   | 395.7   | 53.3   | 43.0   | 57.9  |
| 1995 | 175.3        | 59.6   | 46.8   | 3.4              | 5.9                      | 58.9  | 1.5                  | 39.5               | 156.0   | 390.9   | 59.6   | 46.8   | 59.0  |
| 1996 | 138.8        | 63.3   | 47.0   | 5.8              | 5.7                      | 61.2  | 1.1                  | 45.6               | 166.4   | 368.4   | 63.3   | 47.0   | 61.2  |
| 1997 | 162.6        | 61.7   | 52.6   | 1.0              | 4.5                      | 59.8  | 1.0                  | 41.6               | 160.5   | 384.8   | 61.7   | 52.6   | 59.8  |
| 1998 | 186.1        | 61.4   | 45.8   | 1.0              | 4.5                      | 60.3  | 0.7                  | 47.3               | 159.5   | 407.0   | 61.4   | 45.8   | 60.3  |
| 1999 | 186.8        | 63.6   | 46.1   | 2.0              | 4.7                      | 61.2  | 0.1                  | 59.1               | 173.2   | 423.6   | 63.6   | 46.1   | 61.2  |
| 2000 | 176.8        | 69.6   | 47.0   | 5.0              | 4.2                      | 60.1  | (s)                  | 49.2               | 165.4   | 411.8   | 69.6   | 47.0   | 60.1  |
| 2001 | 184.4        | 66.5   | 49.3   | 5.3              | 4.3                      | 60.4  | (s)                  | 37.1               | 156.4   | 407.3   | 66.5   | 49.3   | 60.5  |
| 2002 | 166.3        | 71.0   | 47.4   | 5.6              | 4.4                      | 61.6  | 0.2                  | 42.4               | 161.6   | 398.9   | 71.0   | 47.4   | 61.7  |
| 2003 | 189.0        | 70.0   | 46.3   | 8.2              | 4.7                      | 61.5  | (s)                  | 36.5               | 157.1   | 416.2   | 70.0   | 46.3   | 61.6  |
| 2004 | 195.6        | 68.6   | 58.1   | 9.1              | 5.7                      | 62.2  | 0.3                  | 40.8               | 176.1   | 440.3   | 68.6   | 58.1   | 62.3  |
| 2005 | 199.5        | 71.1   | 66.7   | 9.3              | 6.3                      | 60.2  | 0.7                  | 39.7               | 182.9   | 453.5   | 71.1   | 66.7   | 61.1  |
| 2006 | 194.3        | 75.1   | 71.0   | 9.1              | 5.9                      | 60.9  | 0.8                  | 46.5               | 194.3   | 463.7   | 75.1   | 71.0   | 62.0  |
| 2007 | 202.5        | 75.1   | 80.3   | 11.2             | 5.8                      | 60.3  | 0.0                  | 48.9               | 206.4   | 484.0   | 75.1   | 80.3   | 62.1  |
| 2008 | 203.3        | 77.6   | 74.4   | 11.3             | 4.7                      | 57.1  | 0.0                  | 44.9               | 192.4   | 473.3   | 77.6   | 74.4   | 59.4  |
| 2009 | 172.8        | 76.6   | 66.1   | 9.9              | 4.5                      | 57.6  | 0.4                  | 43.7               | 182.3   | 431.7   | 76.6   | 66.6   | 60.3  |
| 2010 | 203.3        | 72.9   | 56.6   | 9.0              | 6.4                      | 57.9  | (s)                  | 41.8               | 171.7   | 447.9   | 72.9   | 56.9   | 60.3  |
| 2011 | 165.7        | 79.5   | 60.0   | 9.7              | 6.3                      | 56.3  | (s)                  | 45.4               | 177.8   | 422.9   | 79.5   | 60.9   | 59.4  |
| 2012 | 157.3        | 75.2   | 57.0   | 8.0              | 6.4                      | 56.8  | (s)                  | 45.1               | 173.2   | 405.8   | 75.2   | 57.8   | 60.2  |
| 2013 | 166.1        | 82.3   | 59.2   | 7.7              | 4.9                      | 57.9  | (s)                  | 42.8               | 172.4   | 420.8   | 82.3   | 60.8   | 61.4  |
| 2014 | 175.4        | 80.1   | 55.2   | 8.8              | 5.4                      | 58.6  | (s)                  | 40.5               | 168.5   | 423.9   | 80.1   | 56.6   | 62.1  |
| 2015 | 178.4        | 77.4   | 47.4   | 9.0              | 4.8                      | 60.2  | 0.0                  | 43.7               | 165.1   | 420.9   | 77.4   | 48.7   | 64.6  |
| 2016 | 161.9        | 77.6   | 48.1   | 8.1              | 6.2                      | 60.9  | 0.0                  | 43.6               | 166.9   | 406.4   | 77.6   | 50.1   | 65.6  |
| 2017 | 156.1        | 83.3   | 50.0   | 9.0              | 7.4                      | 60.8  | 0.0                  | 45.3               | R 172.5 | R 411.9 | 83.3   | 51.9   | 65.5  |
| 2018 | 152.3        | 90.8   | 51.4   | 9.6              | 7.6                      | 60.0  | 0.0                  | R 43.0             | R 171.6 | 414.6   | 90.8   | 53.2   | 64.6  |
| 2019 | 159.2        | 92.6   | 53.0   | 11.8             | 6.7                      | 60.0  | 0.0                  | 43.7               | 175.2   | 427.0   | 92.6   | 54.6   | 64.7  |
| 2020 | 98.9         | R 87.5   | R 55.8   | 10.8             | 7.4                      | 56.3  | 0.0                  | 44.2               | 174.6   | 361.0   | R 87.5   | R 57.8   | 60.7  |
| 2021 | 122.8        | R 87.1   | R 52.2   | 10.6             | 7.5                      | 61.7  | 0.0                  | 43.8               | R 175.9 | R 385.8 | R 87.1   | R 53.0   | 66.3  |
| 2022 | 131.3        | 94.0   | 51.6   | 13.5             | 6.8                      | 61.5  | 0.0                  | 42.6               | 176.0   | 401.3   | 94.0   | 52.4   | 65.8  |

<sup>a</sup> Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</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 "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum

products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (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 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>.

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

**Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Montana (continued)**  
(trillion Btu)

| Year | Nuclear electric power | Renewable energy                    |                               |                           |           |                  |                                     |                          |                      |       |                    |                    | Net interstate flow of electricity <sup>k</sup> | Electricity net imports <sup>l</sup> | Total <sup>f</sup> |
|------|------------------------|-------------------------------------|-------------------------------|---------------------------|-----------|------------------|-------------------------------------|--------------------------|----------------------|-------|--------------------|--------------------|---|--------------------------------------|--------------------|
|      |                        | Hydro-electric power <sup>e,f</sup> | Biomass                       |                           |           |                  |                                     | Geo-thermal <sup>f</sup> | Solar <sup>f,j</sup> | Wind  | Total <sup>f</sup> |                    |   |                                      |                    |
|      |                        |                                     | Wood and waste <sup>f,g</sup> | Fuel ethanol <sup>h</sup> | Biodiesel | Renewable diesel | Losses and co-products <sup>i</sup> |                          |                      |       |                    | Total <sup>f</sup> |   |                                      |                    |
| 1960 | 0.0                    | R 19.8                              | 7.5                           | NA                        | NA        | NA               | NA                                  | 7.5                      | 0.0                  | NA    | NA                 | R 27.3             | R 24.4  | (s)                                  | R 220.3            |
| 1965 | 0.0                    | R 28.6                              | 7.8                           | NA                        | NA        | NA               | NA                                  | 7.8                      | 0.0                  | NA    | NA                 | R 36.4             | R 26.7  | (s)                                  | R 250.1            |
| 1970 | 0.0                    | R 29.8                              | 6.6                           | NA                        | NA        | NA               | NA                                  | 6.6                      | 0.0                  | NA    | NA                 | R 36.5             | R 46.5  | (s)                                  | R 311.7            |
| 1971 | 0.0                    | R 32.7                              | 6.7                           | NA                        | NA        | NA               | NA                                  | 6.7                      | 0.0                  | NA    | NA                 | R 39.5             | R 47.3  | (s)                                  | R 322.5            |
| 1972 | 0.0                    | R 32.2                              | 6.3                           | NA                        | NA        | NA               | NA                                  | 6.3                      | 0.0                  | NA    | NA                 | R 38.5             | R 46.6  | (s)                                  | R 331.7            |
| 1973 | 0.0                    | R 25.7                              | 6.5                           | NA                        | NA        | NA               | NA                                  | 6.5                      | 0.0                  | NA    | NA                 | R 32.2             | R 41.4  | (s)                                  | R 338.5            |
| 1974 | 0.0                    | R 33.2                              | 5.0                           | NA                        | NA        | NA               | NA                                  | 5.0                      | 0.0                  | NA    | NA                 | R 38.2             | R 47.4  | (s)                                  | R 340.4            |
| 1975 | 0.0                    | R 34.7                              | 6.2                           | NA                        | NA        | NA               | NA                                  | 6.2                      | 0.0                  | NA    | NA                 | R 40.9             | R 39.1  | (s)                                  | R 334.5            |
| 1976 | 0.0                    | R 42.3                              | 7.2                           | NA                        | NA        | NA               | NA                                  | 7.2                      | 0.0                  | NA    | NA                 | R 49.5             | R 20.4  | (s)                                  | R 354.4            |
| 1977 | 0.0                    | R 28.9                              | 9.1                           | NA                        | NA        | NA               | NA                                  | 9.1                      | 0.0                  | NA    | NA                 | R 37.9             | R 21.7  | (s)                                  | R 353.0            |
| 1978 | 0.0                    | R 39.9                              | 10.9                          | NA                        | NA        | NA               | NA                                  | 10.9                     | 0.0                  | NA    | NA                 | R 50.8             | R 19.4  | (s)                                  | R 372.8            |
| 1979 | 0.0                    | R 35.3                              | 12.3                          | NA                        | NA        | NA               | NA                                  | 12.3                     | 0.0                  | NA    | NA                 | R 47.6             | R 19.7  | (s)                                  | R 386.6            |
| 1980 | 0.0                    | R 34.0                              | 11.1                          | NA                        | NA        | NA               | NA                                  | 11.1                     | 0.0                  | NA    | NA                 | R 45.1             | R 19.6  | (s)                                  | R 350.1            |
| 1981 | 0.0                    | R 38.6                              | 12.6                          | (s)                       | NA        | NA               | (s)                                 | 12.6                     | 0.0                  | NA    | NA                 | R 51.3             | R 16.9  | (s)                                  | R 327.6            |
| 1982 | 0.0                    | R 37.3                              | 12.4                          | 0.1                       | NA        | NA               | (s)                                 | 12.5                     | 0.0                  | NA    | NA                 | R 49.8             | R 24.8  | (s)                                  | R 306.1            |
| 1983 | 0.0                    | R 39.4                              | 13.9                          | 0.1                       | NA        | NA               | 0.1                                 | 14.0                     | 0.0                  | NA    | 0.0                | R 53.5             | R 21.5  | (s)                                  | R 312.5            |
| 1984 | 0.0                    | R 37.9                              | 14.3                          | 0.1                       | NA        | NA               | 0.1                                 | 14.5                     | 0.0                  | 0.0   | (s)                | R 52.4             | R 14.9  | (s)                                  | R 345.4            |
| 1985 | 0.0                    | R 34.7                              | 14.4                          | 0.1                       | NA        | NA               | 0.1                                 | 14.6                     | 0.0                  | 0.0   | (s)                | R 49.3             | R 10.5  | 0.2                                  | R 358.1            |
| 1986 | 0.0                    | R 37.0                              | 20.2                          | (s)                       | NA        | NA               | 0.1                                 | 20.4                     | 0.0                  | 0.0   | (s)                | R 57.4             | R -24.9   | (s)                                  | R 340.2            |
| 1987 | 0.0                    | R 30.5                              | 17.9                          | (s)                       | NA        | NA               | 0.1                                 | 18.0                     | 0.0                  | 0.0   | 0.0                | R 48.5             | R -34.3   | 0.1                                  | R 320.0            |
| 1988 | 0.0                    | R 28.1                              | 18.6                          | (s)                       | NA        | NA               | 0.1                                 | 18.7                     | 0.0                  | 0.0   | 0.0                | R 46.8             | R -73.0   | (s)                                  | R 333.7            |
| 1989 | 0.0                    | R 32.7                              | 10.7                          | (s)                       | NA        | NA               | 0.1                                 | 10.8                     | 0.1                  | (s)   | 0.0                | R 43.6             | R -71.4   | 0.1                                  | R 341.9            |
| 1990 | 0.0                    | R 36.6                              | 11.7                          | (s)                       | NA        | NA               | 0.1                                 | 11.8                     | 0.1                  | (s)   | 0.0                | R 48.5             | R -93.8   | 0.2                                  | R 310.5            |
| 1991 | 0.0                    | R 40.8                              | 17.1                          | (s)                       | NA        | NA               | 0.1                                 | 17.2                     | 0.1                  | (s)   | 0.0                | R 58.2             | R -110.8  | 0.1                                  | R 313.6            |
| 1992 | 0.0                    | R 28.2                              | 10.0                          | (s)                       | NA        | NA               | 0.1                                 | 10.2                     | 0.1                  | (s)   | (s)                | R 38.5             | R -100.6  | 0.1                                  | R 318.5            |
| 1993 | 0.0                    | R 32.8                              | 9.7                           | 0.1                       | NA        | NA               | 0.0                                 | 9.8                      | 0.1                  | (s)   | 0.0                | R 42.7             | R -79.1   | (s)                                  | R 329.3            |
| 1994 | 0.0                    | R 27.8                              | 10.1                          | 0.0                       | NA        | NA               | 0.1                                 | 10.2                     | 0.1                  | (s)   | 0.0                | R 38.1             | R -93.4   | (s)                                  | R 340.4            |
| 1995 | 0.0                    | R 36.7                              | 16.4                          | 0.1                       | NA        | NA               | 0.1                                 | 16.6                     | 0.1                  | (s)   | 0.0                | R 53.3             | R -93.3   | (s)                                  | R 350.9            |
| 1996 | 0.0                    | R 47.1                              | 15.7                          | 0.0                       | NA        | NA               | (s)                                 | 15.8                     | 0.1                  | (s)   | 0.0                | R 63.0             | R -86.2   | 0.1                                  | R 345.3            |
| 1997 | 0.0                    | R 45.7                              | 16.2                          | 0.0                       | NA        | NA               | (s)                                 | 16.2                     | 0.1                  | (s)   | 0.0                | R 62.1             | R -119.3  | (s)                                  | R 327.6            |
| 1998 | 0.0                    | R 37.9                              | 14.7                          | (s)                       | NA        | NA               | (s)                                 | 14.8                     | 0.1                  | (s)   | 0.0                | R 52.8             | R -108.4  | 0.1                                  | R 351.6            |
| 1999 | 0.0                    | R 47.2                              | 15.3                          | (s)                       | NA        | NA               | (s)                                 | 15.4                     | 0.3                  | (s)   | 0.0                | R 62.8             | R -132.5  | -0.1                                 | R 353.9            |
| 2000 | 0.0                    | R 32.8                              | 15.3                          | (s)                       | NA        | NA               | (s)                                 | 15.3                     | 0.3                  | (s)   | 0.0                | R 48.5             | R -88.2   | (s)                                  | R 372.0            |
| 2001 | 0.0                    | R 22.6                              | 11.9                          | 0.1                       | (s)       | NA               | (s)                                 | 12.0                     | 0.3                  | (s)   | 0.0                | R 34.9             | R -107.1  | (s)                                  | R 335.1            |
| 2002 | 0.0                    | R 32.6                              | 11.0                          | 0.1                       | (s)       | NA               | (s)                                 | 11.1                     | 0.3                  | (s)   | 0.0                | R 44.0             | R -96.0   | 0.2                                  | R 347.1            |
| 2003 | 0.0                    | R 29.7                              | 12.0                          | 0.1                       | (s)       | NA               | (s)                                 | 12.1                     | 0.3                  | (s)   | 0.0                | R 42.0             | R -108.7  | (s)                                  | R 349.5            |
| 2004 | 0.0                    | R 30.2                              | 12.5                          | 0.1                       | (s)       | NA               | 0.0                                 | 12.7                     | 0.3                  | (s)   | 0.0                | R 43.2             | R -111.8  | -0.1                                 | R 371.6            |
| 2005 | 0.0                    | R 32.7                              | 17.8                          | 0.9                       | (s)       | NA               | 0.0                                 | 18.7                     | 0.3                  | (s)   | 0.0                | R 51.7             | R -115.4  | (s)                                  | R 389.8            |
| 2006 | 0.0                    | R 34.6                              | 17.1                          | 1.1                       | (s)       | NA               | 0.0                                 | 18.2                     | 0.3                  | (s)   | R 1.5              | R 54.6             | R -111.8  | -0.7                                 | R 405.8            |
| 2007 | 0.0                    | R 32.0                              | 20.0                          | 1.8                       | (s)       | NA               | 0.0                                 | 21.8                     | 0.3                  | (s)   | R 1.7              | R 55.8             | R -105.7  | -0.2                                 | R 433.9            |
| 2008 | 0.0                    | R 34.1                              | 18.5                          | 2.3                       | (s)       | NA               | (s)                                 | 20.8                     | 0.3                  | (s)   | R 2.0              | R 57.2             | R -110.4  | -0.8                                 | R 419.3            |
| 2009 | 0.0                    | R 32.4                              | 12.7                          | 2.6                       | (s)       | NA               | (s)                                 | 15.4                     | 0.3                  | (s)   | R 2.8              | R 50.9             | R -92.2   | -1.0                                 | R 389.4            |
| 2010 | 0.0                    | R 32.1                              | 13.5                          | 2.4                       | (s)       | NA               | 0.0                                 | 16.0                     | 0.3                  | (s)   | R 3.2              | R 51.6             | R -125.3  | -1.3                                 | R 372.9            |
| 2011 | 0.0                    | R 43.0                              | 5.3                           | 3.1                       | 0.1       | 0.0              | 0.0                                 | 8.4                      | 0.4                  | (s)   | R 4.3              | R 56.1             | R -116.1  | -1.3                                 | R 361.6            |
| 2012 | 0.0                    | R 38.5                              | 4.6                           | 3.4                       | 0.1       | 0.0              | 0.0                                 | 8.0                      | 0.3                  | R (s) | R 4.3              | R 51.2             | R -100.0  | -0.6                                 | R 356.4            |
| 2013 | 0.0                    | R 32.9                              | 5.3                           | 3.6                       | 0.1       | 0.0              | 0.0                                 | 9.0                      | 0.3                  | R (s) | R 6.0              | R 48.2             | R -100.1  | -1.2                                 | R 367.7            |
| 2014 | 0.0                    | R 39.2                              | 5.7                           | 3.5                       | (s)       | 0.0              | 0.0                                 | 9.3                      | 0.3                  | R (s) | R 6.7              | R 55.6             | R -113.3  | -3.3                                 | R 362.9            |
| 2015 | 0.0                    | R 33.7                              | R 14.2                        | 4.4                       | (s)       | 0.0              | 0.0                                 | 18.6                     | 0.3                  | R (s) | R 6.7              | R 59.4             | R -112.9  | -0.6                                 | R 366.9            |
| 2016 | 0.0                    | R 34.4                              | 14.8                          | 4.7                       | 0.1       | 0.0              | (s)                                 | R 19.6                   | 0.3                  | R (s) | R 7.3              | R 61.7             | R -101.3  | 0.4                                  | R 367.2            |
| 2017 | 0.0                    | R 37.3                              | R 15.0                        | 4.7                       | (s)       | 0.0              | (s)                                 | R 19.7                   | 0.3                  | R 0.1 | R 7.4              | R 64.8             | R -97.2   | 0.7                                  | R 380.1            |
| 2018 | 0.0                    | R 38.9                              | 18.8                          | 4.6                       | (s)       | 0.0              | (s)                                 | 23.4                     | 0.3                  | R 0.2 | R 7.3              | R 70.2             | R -91.4   | -1.7                                 | R 391.7            |
| 2019 | 0.0                    | R 34.1                              | R 18.2                        | 4.7                       | (s)       | 0.0              | (s)                                 | 22.9                     | 0.3                  | R 0.2 | R 8.1              | R 65.7             | R -85.7   | -2.7                                 | R 404.2            |
| 2020 | 0.0                    | R 36.7                              | R 13.4                        | 4.4                       | (s)       | 0.0              | (s)                                 | R 17.9                   | 0.3                  | R 0.2 | R 10.4             | R 65.5             | R -47.7   | -3.9                                 | R 374.9            |
| 2021 | 0.0                    | R 31.6                              | R 13.9                        | 4.6                       | (s)       | 0.0              | 0.0                                 | R 18.5                   | 0.3                  | R 0.3 | R 11.8             | R 62.5             | R -59.7   | -4.1                                 | R 384.6            |
| 2022 | 0.0                    | 33.7                                | 16.1                          | 4.3                       | (s)       | 0.0              | 0.0                                 | 20.4                     | 0.3                  | 0.3   | 13.7               | 68.5               | -70.6   | -3.9                                 | 395.3              |

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

<sup>i</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>j</sup> Solar thermal and photovoltaic energy.

<sup>k</sup> Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year.

Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

<sup>l</sup> Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

NA = Not available.

Where shown, R = Revised data and (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 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>.

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

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Montana

| Year         | Coal | Natural gas <sup>a</sup> | Petroleum                        |                  |                       |                             |                   |                    |          | Hydro-electric power <sup>g,h</sup> | Biomass                       |                                     | Geo-thermal <sup>h</sup> | Solar <sup>h,k</sup> | Electricity <sup>i</sup> | End use <sup>h,m</sup> | Electrical system energy losses <sup>n</sup> | Total <sup>h,m</sup> |
|--------------|------|--------------------------|----------------------------------|------------------|-----------------------|-----------------------------|-------------------|--------------------|----------|-------------------------------------|-------------------------------|-------------------------------------|--------------------------|----------------------|--------------------------|------------------------|--|----------------------|
|              |      |                          | Distillate fuel oil <sup>b</sup> | HGL <sup>c</sup> | Jet fuel <sup>d</sup> | Motor gasoline <sup>e</sup> | Residual fuel oil | Other <sup>f</sup> | Total    |                                     | Wood and waste <sup>h,i</sup> | Losses and co-products <sup>j</sup> |                          |                      | Million kilowatt-hours   |                        |  |                      |
|              |      |                          | Thousand barrels                 |                  |                       |                             |                   |                    |          |                                     |                               |                                     |                          |                      | Million kilowatt-hours   |                        |  |                      |
| 1960         | 67   | 55                       | 4,898                            | 737              | 265                   | 6,922                       | 2,063             | 4,234              | 19,118   | 0                                   | --                            | --                                  | --                       | --                   | 4,575                    | --                     | --   | --                   |
| 1970         | 40   | 85                       | 4,826                            | 1,326            | 649                   | 9,262                       | 1,243             | 5,338              | 22,644   | 0                                   | --                            | --                                  | --                       | --                   | 8,750                    | --                     | --   | --                   |
| 1980         | 168  | 57                       | 7,450                            | 1,806            | 920                   | 10,416                      | 4,025             | 4,585              | 29,203   | 0                                   | --                            | --                                  | --                       | --                   | 10,825                   | --                     | --   | --                   |
| 1990         | 277  | 43                       | 7,217                            | 1,740            | 708                   | 10,328                      | 218               | 5,518              | 25,729   | 0                                   | --                            | --                                  | --                       | --                   | 13,125                   | --                     | --   | --                   |
| 2000         | 169  | 68                       | 8,028                            | 1,324            | 747                   | 11,559                      | 1                 | 6,596              | 28,255   | 0                                   | --                            | --                                  | --                       | --                   | 14,580                   | --                     | --   | --                   |
| 2005         | 235  | 68                       | 11,447                           | 2,455            | 1,112                 | 11,770                      | 106               | 5,343              | 32,235   | 0                                   | --                            | --                                  | --                       | --                   | 13,479                   | --                     | --   | --                   |
| 2006         | 229  | 73                       | 12,207                           | 2,409            | 1,045                 | 11,960                      | 125               | 6,393              | 34,139   | 0                                   | --                            | --                                  | --                       | --                   | 13,815                   | --                     | --   | --                   |
| 2007         | 112  | 73                       | 13,859                           | 2,993            | 1,026                 | 12,079                      | 0                 | 6,912              | 36,869   | 0                                   | --                            | --                                  | --                       | --                   | 15,532                   | --                     | --   | --                   |
| 2008         | 102  | 76                       | 12,855                           | 2,989            | 832                   | 11,626                      | 0                 | 6,337              | 34,638   | 0                                   | --                            | --                                  | --                       | --                   | 15,326                   | --                     | --   | --                   |
| 2009         | 70   | 75                       | 11,514                           | 2,586            | 792                   | 11,844                      | 59                | 5,816              | 32,611   | 0                                   | --                            | --                                  | --                       | --                   | 14,354                   | --                     | --   | --                   |
| 2010         | 82   | 71                       | 9,837                            | 2,349            | 1,126                 | 11,906                      | 1                 | 5,661              | 30,881   | 0                                   | --                            | --                                  | --                       | --                   | 13,771                   | --                     | --   | --                   |
| 2011         | 90   | 74                       | 10,525                           | 2,530            | 1,104                 | 11,735                      | 4                 | 6,058              | 31,956   | 0                                   | --                            | --                                  | --                       | --                   | 13,788                   | --                     | --   | --                   |
| 2012         | 243  | 68                       | 10,014                           | 2,071            | 1,123                 | 11,887                      | (s)               | 6,006              | 31,101   | 0                                   | --                            | --                                  | --                       | --                   | 13,863                   | --                     | --   | --                   |
| 2013         | 263  | 72                       | 10,529                           | 2,003            | 857                   | 12,144                      | 1                 | 5,664              | 31,198   | 0                                   | --                            | --                                  | --                       | --                   | 14,045                   | --                     | --   | --                   |
| 2014         | 282  | 72                       | 9,773                            | 2,297            | 948                   | 12,279                      | 3                 | 5,387              | 30,687   | 0                                   | --                            | --                                  | --                       | --                   | 14,102                   | --                     | --   | --                   |
| 2015         | 281  | 68                       | 8,448                            | 2,338            | 854                   | 12,771                      | 0                 | 5,687              | 30,098   | 0                                   | --                            | --                                  | --                       | --                   | 14,207                   | --                     | --   | --                   |
| 2016         | 263  | 70                       | 8,682                            | 2,098            | 1,090                 | 12,976                      | 0                 | R 5,624            | R 30,471 | 0                                   | --                            | --                                  | --                       | --                   | 14,101                   | --                     | --   | --                   |
| 2017         | 255  | 75                       | 8,998                            | 2,338            | 1,302                 | 12,957                      | 0                 | R 5,888            | R 31,482 | 0                                   | --                            | --                                  | --                       | --                   | 14,710                   | --                     | --   | --                   |
| 2018         | 238  | 82                       | 9,205                            | 2,507            | 1,335                 | 12,778                      | 0                 | R 5,649            | R 31,474 | 0                                   | --                            | --                                  | --                       | --                   | 14,839                   | --                     | --   | --                   |
| 2019         | 199  | 83                       | 9,461                            | 3,074            | 1,181                 | 12,802                      | 0                 | R 5,746            | R 32,264 | 0                                   | --                            | --                                  | --                       | --                   | 15,321                   | --                     | --   | --                   |
| 2020         | 202  | 78                       | 10,018                           | 2,824            | 1,313                 | 12,021                      | 0                 | R 5,784            | R 31,960 | 0                                   | --                            | --                                  | --                       | --                   | 14,584                   | --                     | --   | --                   |
| 2021         | 233  | 77                       | R 9,176                          | 2,768            | 1,331                 | 13,135                      | 0                 | R 5,683            | R 32,093 | 0                                   | --                            | --                                  | --                       | --                   | 14,962                   | --                     | --   | --                   |
| 2022         | 252  | 82                       | 9,060                            | 3,509            | 1,192                 | 13,029                      | 0                 | 5,545              | 32,334   | 0                                   | --                            | --                                  | --                       | --                   | 15,584                   | --                     | --   | --                   |
| Trillion Btu |      |                          |                                  |                  |                       |                             |                   |                    |          |                                     |                               |                                     |                          |                      |                          |                        |  |                      |
| 1960         | 1.5  | 57.3                     | 28.5                             | 2.8              | 1.4                   | 36.4                        | 13.0              | 24.9               | 107.0    | 0.0                                 | 7.5                           | NA                                  | NA                       | NA                   | 15.6                     | 188.9                  | R 31.5                                       | R 220.3              |
| 1970         | 0.8  | 88.0                     | 28.1                             | 5.0              | 3.6                   | 48.7                        | 7.8               | 32.8               | 126.0    | 0.0                                 | 5.9                           | NA                                  | NA                       | NA                   | 29.9                     | 250.6                  | R 61.2                                       | R 311.7              |
| 1980         | 3.2  | 57.1                     | 43.4                             | 6.7              | 5.2                   | 54.7                        | 25.3              | 28.1               | 163.3    | 0.0                                 | 10.9                          | NA                                  | NA                       | NA                   | 36.9                     | 271.5                  | R 78.6                                       | R 350.1              |
| 1990         | 5.1  | 43.9                     | 42.0                             | 6.4              | 4.0                   | 54.3                        | 1.4               | 34.0               | 142.1    | 0.0                                 | 10.9                          | 0.1                                 | 0.1                      | (s)                  | 44.8                     | 247.0                  | R 63.5                                       | R 310.5              |
| 2000         | 2.7  | 69.4                     | 46.7                             | 5.0              | 4.2                   | 60.1                        | (s)               | 41.0               | 157.1    | 0.0                                 | 15.3                          | (s)                                 | 0.3                      | (s)                  | 49.7                     | 294.5                  | R 77.5                                       | R 372.0              |
| 2005         | 3.9  | 70.9                     | 66.6                             | 9.3              | 6.3                   | 61.1                        | 0.7               | 32.5               | 176.5    | 0.0                                 | 17.8                          | 0.0                                 | 0.3                      | (s)                  | 46.0                     | 315.5                  | R 74.4                                       | R 389.8              |
| 2006         | 3.8  | 74.6                     | 70.8                             | 9.1              | 5.9                   | 62.0                        | 0.8               | 39.2               | 187.9    | 0.0                                 | 17.1                          | 0.0                                 | 0.3                      | (s)                  | 47.1                     | 330.9                  | R 74.9                                       | R 405.8              |
| 2007         | 1.7  | 74.0                     | 80.2                             | 11.2             | 5.8                   | 62.1                        | 0.0               | 41.7               | 201.0    | 0.0                                 | 20.0                          | 0.0                                 | 0.3                      | (s)                  | 53.0                     | 350.0                  | R 83.9                                       | R 433.9              |
| 2008         | 1.7  | 77.1                     | 74.3                             | 11.3             | 4.7                   | 59.4                        | 0.0               | 38.2               | 188.0    | 0.0                                 | 18.5                          | (s)                                 | 0.3                      | (s)                  | 52.3                     | 337.8                  | R 81.5                                       | R 419.3              |
| 2009         | 1.1  | 76.0                     | 66.5                             | 9.9              | 4.5                   | 60.3                        | 0.4               | 36.0               | 177.6    | 0.0                                 | 12.7                          | (s)                                 | 0.3                      | (s)                  | 49.0                     | 316.7                  | R 73.2                                       | R 389.9              |
| 2010         | 1.3  | 72.2                     | 56.8                             | 9.0              | 6.4                   | 60.3                        | (s)               | 35.3               | 167.8    | 0.0                                 | 13.5                          | 0.0                                 | 0.3                      | (s)                  | 47.0                     | 302.1                  | R 71.1                                       | R 373.2              |
| 2011         | 1.4  | 74.7                     | 60.7                             | 9.7              | 6.3                   | 59.4                        | (s)               | 37.8               | 174.0    | 0.0                                 | 5.3                           | 0.0                                 | 0.4                      | (s)                  | 47.0                     | 302.9                  | R 59.6                                       | R 362.4              |
| 2012         | 4.3  | 69.7                     | 57.8                             | 8.0              | 6.4                   | 60.2                        | (s)               | 37.5               | 169.7    | 0.0                                 | 4.6                           | 0.0                                 | 0.3                      | R (s)                | 47.3                     | 296.0                  | R 61.2                                       | R 357.2              |
| 2013         | 4.5  | 74.9                     | 60.7                             | 7.7              | 4.9                   | 61.4                        | (s)               | 35.3               | 169.9    | 0.0                                 | 5.3                           | 0.0                                 | 0.3                      | R (s)                | 47.9                     | 303.0                  | R 66.3                                       | R 369.3              |
| 2014         | 4.9  | 74.3                     | 56.3                             | 8.8              | 5.4                   | 62.1                        | (s)               | 33.6               | 166.2    | 0.0                                 | 5.7                           | 0.0                                 | 0.3                      | R (s)                | 48.1                     | R 299.6                | R 64.6                                       | R 364.3              |
| 2015         | 5.0  | 70.7                     | 48.7                             | 9.0              | 4.8                   | 64.6                        | 0.0               | 35.4               | 162.5    | 0.0                                 | R 14.2                        | 0.0                                 | 0.3                      | R (s)                | 48.5                     | R 301.2                | R 67.0                                       | R 368.2              |
| 2016         | 4.7  | 72.0                     | 50.0                             | 8.1              | 6.2                   | 65.6                        | 0.0               | 35.8               | 165.6    | 0.0                                 | 14.8                          | (s)                                 | 0.3                      | R (s)                | 48.1                     | 305.7                  | R 63.5                                       | R 369.1              |
| 2017         | 4.6  | 78.5                     | 51.8                             | 9.0              | 7.4                   | 65.5                        | 0.0               | 37.4               | R 171.1  | 0.0                                 | R 15.0                        | (s)                                 | 0.3                      | R 0.1                | 50.2                     | R 319.7                | R 62.4                                       | R 382.0              |
| 2018         | 4.4  | 85.4                     | 53.0                             | 9.6              | 7.6                   | 64.6                        | 0.0               | 35.9               | 170.7    | 0.0                                 | 18.8                          | (s)                                 | 0.3                      | R 0.1                | 50.6                     | R 330.3                | R 63.1                                       | R 393.4              |
| 2019         | 3.6  | 87.0                     | 54.5                             | 11.8             | 6.7                   | 64.7                        | 0.0               | 36.4               | R 174.1  | 0.0                                 | 18.2                          | (s)                                 | 0.3                      | R 0.1                | 52.3                     | R 335.5                | R 70.3                                       | R 405.8              |
| 2020         | 3.6  | 83.9                     | 57.7                             | 10.8             | 7.4                   | 60.7                        | 0.0               | 36.6               | 173.3    | 0.0                                 | R 13.3                        | (s)                                 | 0.3                      | R 0.1                | 49.8                     | R 324.3                | R 62.5                                       | R 376.8              |
| 2021         | 4.2  | R 81.2                   | R 52.9                           | 10.6             | 7.5                   | 66.3                        | 0.0               | 36.1               | R 173.5  | 0.0                                 | R 13.8                        | 0.0                                 | 0.3                      | R 0.2                | 51.0                     | R 324.2                | R 61.1                                       | R 385.3              |
| 2022         | 4.6  | 85.9                     | 52.2                             | 13.5             | 6.8                   | 65.8                        | 0.0               | 35.3               | 173.5    | 0.0                                 | 16.0                          | 0.0                                 | 0.3                      | 0.2                  | 53.2                     | 333.7                  | 62.3   | 396.0                |

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.<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 "Other petroleum."<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.<sup>h</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.<sup>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.<sup>k</sup> Solar thermal and photovoltaic energy.<sup>l</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.<sup>m</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use 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 the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.<sup>n</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. 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: · Total end-use sector 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 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/>

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, Montana

| Year         | Coal <sup>a</sup>   | Natural gas <sup>b</sup> | Petroleum           |                  |          |       | Biomass           | Geothermal <sup>e</sup> | Solar <sup>e,f</sup> | Electricity <sup>g</sup> | End use <sup>e,h</sup> | Electrical system energy losses <sup>i</sup> | Total <sup>e,h</sup> |
|--------------|---------------------|--------------------------|---------------------|------------------|----------|-------|-------------------|-------------------------|----------------------|--------------------------|------------------------|--|----------------------|
|              |                     |                          | Distillate fuel oil | HGL <sup>c</sup> | Kerosene | Total |                   |                         |                      |                          |                        |  |                      |
|              | Thousand short tons | Billion cubic feet       | Thousand barrels    |                  |          |       | Wood <sup>d</sup> |                         |                      | Million kilowatthours    |                        |  |                      |
| 1960         | 18                  | 17                       | 262                 | 488              | 0        | 750   | --                | --                      | --                   | 935                      | --                     | --   | --                   |
| 1965         | 13                  | 20                       | 277                 | 614              | 0        | 891   | --                | --                      | --                   | 1,216                    | --                     | --   | --                   |
| 1970         | 7                   | 25                       | 249                 | 856              | 0        | 1,106 | --                | --                      | --                   | 1,534                    | --                     | --   | --                   |
| 1975         | 3                   | 24                       | 589                 | 939              | 0        | 1,528 | --                | --                      | --                   | 2,143                    | --                     | --   | --                   |
| 1980         | 3                   | 19                       | 421                 | 799              | 0        | 1,220 | --                | --                      | --                   | 2,916                    | --                     | --   | --                   |
| 1985         | 2                   | 19                       | 309                 | 583              | 9        | 901   | --                | --                      | --                   | 3,614                    | --                     | --   | --                   |
| 1990         | 11                  | 17                       | 291                 | 784              | 1        | 1,077 | --                | --                      | --                   | 3,358                    | --                     | --   | --                   |
| 1995         | 1                   | 20                       | 218                 | 456              | 1        | 674   | --                | --                      | --                   | 3,640                    | --                     | --   | --                   |
| 2000         | (s)                 | 20                       | 170                 | 890              | (s)      | 1,060 | --                | --                      | --                   | 3,908                    | --                     | --   | --                   |
| 2005         | 12                  | 20                       | 169                 | 1,732            | 1        | 1,902 | --                | --                      | --                   | 4,221                    | --                     | --   | --                   |
| 2006         | 13                  | 19                       | 196                 | 1,726            | 1        | 1,923 | --                | --                      | --                   | 4,394                    | --                     | --   | --                   |
| 2007         | (s)                 | 20                       | 197                 | 1,990            | 1        | 2,187 | --                | --                      | --                   | 4,542                    | --                     | --   | --                   |
| 2008         | 0                   | 22                       | 248                 | 2,230            | 3        | 2,481 | --                | --                      | --                   | 4,669                    | --                     | --   | --                   |
| 2009         | 0                   | 22                       | 115                 | 2,362            | (s)      | 2,477 | --                | --                      | --                   | 4,790                    | --                     | --   | --                   |
| 2010         | 0                   | 21                       | 109                 | 1,966            | 1        | 2,075 | --                | --                      | --                   | 4,743                    | --                     | --   | --                   |
| 2011         | 0                   | 22                       | 99                  | 2,089            | 1        | 2,189 | --                | --                      | --                   | 4,913                    | --                     | --   | --                   |
| 2012         | 0                   | 19                       | 93                  | 1,638            | (s)      | 1,731 | --                | --                      | --                   | 4,778                    | --                     | --   | --                   |
| 2013         | 0                   | 21                       | 80                  | 1,606            | (s)      | 1,686 | --                | --                      | --                   | 4,926                    | --                     | --   | --                   |
| 2014         | 0                   | 21                       | 63                  | 1,809            | 1        | 1,873 | --                | --                      | --                   | 4,969                    | --                     | --   | --                   |
| 2015         | 0                   | 19                       | 70                  | 1,822            | (s)      | 1,892 | --                | --                      | --                   | 4,825                    | --                     | --   | --                   |
| 2016         | 0                   | 19                       | 67                  | 1,609            | 1        | 1,678 | --                | --                      | --                   | 4,853                    | --                     | --   | --                   |
| 2017         | 0                   | 21                       | 66                  | 1,885            | (s)      | 1,951 | --                | --                      | --                   | 5,225                    | --                     | --   | --                   |
| 2018         | 0                   | 23                       | 59                  | 1,795            | (s)      | 1,854 | --                | --                      | --                   | 5,198                    | --                     | --   | --                   |
| 2019         | 0                   | 24                       | 64                  | 2,483            | (s)      | 2,547 | --                | --                      | --                   | 5,308                    | --                     | --   | --                   |
| 2020         | 0                   | 22                       | 47                  | 2,205            | 6        | 2,258 | --                | --                      | --                   | 5,380                    | --                     | --   | --                   |
| 2021         | 0                   | 21                       | 75                  | 2,047            | (s)      | 2,122 | --                | --                      | --                   | 5,559                    | --                     | --   | --                   |
| 2022         | 0                   | 23                       | 77                  | 2,605            | (s)      | 2,682 | --                | --                      | --                   | 5,894                    | --                     | --   | --                   |
| Trillion Btu |                     |                          |                     |                  |          |       |                   |                         |                      |                          |                        |  |                      |
| 1960         | 0.4                 | 17.5                     | 1.5                 | 1.9              | 0.0      | 3.4   | 4.7               | NA                      | NA                   | 3.2                      | 29.2                   | R 6.4  | R 35.7               |
| 1965         | 0.3                 | 19.9                     | 1.6                 | 2.4              | 0.0      | 4.0   | 3.6               | NA                      | NA                   | 4.1                      | 32.0                   | R 8.2  | R 40.1               |
| 1970         | 0.1                 | 25.6                     | 1.5                 | 3.3              | 0.0      | 4.7   | 2.8               | NA                      | NA                   | 5.2                      | 38.5                   | R 10.7                                       | R 49.2               |
| 1975         | 0.1                 | 24.6                     | 3.4                 | 3.6              | 0.0      | 7.0   | 3.1               | NA                      | NA                   | 7.3                      | 42.0                   | R 14.9                                       | R 57.0               |
| 1980         | 0.1                 | 19.5                     | 2.5                 | 3.1              | 0.0      | 5.5   | 2.5               | NA                      | NA                   | 9.9                      | 37.5                   | R 21.2                                       | R 58.7               |
| 1985         | (s)                 | 19.4                     | 1.8                 | 2.2              | 0.1      | 4.1   | 3.9               | NA                      | NA                   | 12.3                     | 39.7                   | R 25.1                                       | R 64.8               |
| 1990         | 0.2                 | 17.3                     | 1.7                 | 3.0              | (s)      | 4.7   | 1.8               | (s)                     | (s)                  | 11.5                     | 35.5                   | R 16.2                                       | R 51.8               |
| 1995         | (s)                 | 20.2                     | 1.3                 | 1.8              | (s)      | 3.0   | 1.7               | (s)                     | (s)                  | 12.4                     | 37.5                   | R 18.9                                       | R 56.3               |
| 2000         | (s)                 | 20.6                     | 1.0                 | 3.4              | (s)      | 4.4   | 1.9               | 0.1                     | (s)                  | 13.3                     | 40.3                   | R 20.8                                       | R 61.1               |
| 2005         | 0.2                 | 20.6                     | 1.0                 | 6.7              | (s)      | 7.6   | 6.0               | 0.1                     | (s)                  | 14.4                     | 49.0                   | R 23.3                                       | R 72.3               |
| 2006         | 0.2                 | 19.8                     | 1.1                 | 6.6              | (s)      | 7.8   | 5.4               | 0.1                     | (s)                  | 15.0                     | 48.2                   | R 23.8                                       | R 72.0               |
| 2007         | (s)                 | 20.0                     | 1.1                 | 7.6              | (s)      | 8.8   | 5.9               | 0.1                     | (s)                  | 15.5                     | 50.3                   | R 24.5                                       | R 74.8               |
| 2008         | 0.0                 | 21.9                     | 1.4                 | 8.6              | (s)      | 10.0  | 6.6               | 0.1                     | (s)                  | 15.9                     | 54.6                   | R 24.8                                       | R 79.4               |
| 2009         | 0.0                 | 22.0                     | 0.7                 | 9.1              | (s)      | 9.7   | 3.2               | 0.1                     | (s)                  | 16.3                     | 51.4                   | R 24.4                                       | R 75.8               |
| 2010         | 0.0                 | 21.1                     | 0.6                 | 7.5              | (s)      | 8.2   | 3.4               | 0.1                     | (s)                  | 16.2                     | 49.0                   | R 24.5                                       | R 73.5               |
| 2011         | 0.0                 | 22.1                     | 0.6                 | 8.0              | (s)      | 8.6   | 3.3               | 0.2                     | (s)                  | 16.8                     | 50.9                   | R 21.2                                       | R 72.1               |
| 2012         | 0.0                 | 19.5                     | 0.5                 | 6.3              | (s)      | 6.8   | 2.8               | 0.1                     | R (s)                | 16.3                     | 45.6                   | R 21.1                                       | R 66.7               |
| 2013         | 0.0                 | 21.5                     | 0.5                 | 6.2              | (s)      | 6.6   | 3.6               | 0.1                     | R (s)                | 16.8                     | R 48.7                 | R 23.3                                       | R 72.0               |
| 2014         | 0.0                 | 21.9                     | 0.4                 | 6.9              | (s)      | 7.3   | 3.7               | 0.1                     | R (s)                | 17.0                     | R 50.0                 | R 22.8                                       | R 72.8               |
| 2015         | 0.0                 | 19.5                     | 0.4                 | 7.0              | (s)      | 7.4   | R 10.9            | 0.1                     | R (s)                | 16.5                     | 54.4                   | R 22.8                                       | R 77.2               |
| 2016         | 0.0                 | 19.7                     | 0.4                 | 6.2              | (s)      | 6.6   | R 11.2            | 0.1                     | R (s)                | 16.6                     | 54.2                   | R 21.8                                       | R 76.0               |
| 2017         | 0.0                 | 22.4                     | 0.4                 | 7.2              | (s)      | 7.6   | R 10.9            | 0.1                     | R (s)                | 17.8                     | R 58.8                 | R 22.2                                       | R 81.0               |
| 2018         | 0.0                 | 23.6                     | 0.3                 | 6.9              | (s)      | 7.2   | 14.5              | 0.1                     | R 0.1                | 17.7                     | R 63.2                 | R 22.1                                       | R 85.3               |
| 2019         | 0.0                 | 25.1                     | 0.4                 | 9.5              | (s)      | 9.9   | 14.1              | 0.1                     | R 0.1                | 18.1                     | R 67.4                 | R 24.4                                       | R 91.8               |
| 2020         | 0.0                 | 23.4                     | 0.3                 | 8.5              | (s)      | 8.8   | R 9.1             | 0.1                     | R 0.1                | 18.4                     | R 59.8                 | R 19.4                                       | R 79.2               |
| 2021         | 0.0                 | 22.3                     | 0.4                 | 7.9              | (s)      | 8.3   | R 9.6             | 0.1                     | R 0.1                | 19.0                     | R 59.5                 | R 22.7                                       | R 82.2               |
| 2022         | 0.0                 | 24.5                     | 0.4                 | 10.0             | (s)      | 10.5  | 11.9              | 0.1                     | 0.1                  | 20.1                     | 67.2                   | 23.6   | 90.8                 |

<sup>a</sup> Beginning in 2008, data are no longer collected and are assumed to be zero.

<sup>b</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

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

<sup>d</sup> Wood and wood-derived fuels.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>f</sup> Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

<sup>g</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>h</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total.

<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. 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 <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/>

**Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Montana**

| Year | Coal                | Natural gas <sup>a</sup> | Petroleum           |                  |          |                             |                   |                    | Hydro-electric power <sup>e,f</sup> | Biomass                       | Geothermal <sup>f</sup> | Solar <sup>f,h</sup>  | Electricity <sup>i</sup> | End use <sup>f,j</sup> | Electrical system energy losses <sup>k</sup> | Total <sup>f,j</sup> |
|------|---------------------|--------------------------|---------------------|------------------|----------|-----------------------------|-------------------|--------------------|-------------------------------------|-------------------------------|-------------------------|-----------------------|--------------------------|------------------------|--|----------------------|
|      |                     |                          | Distillate fuel oil | HGL <sup>b</sup> | Kerosene | Motor gasoline <sup>c</sup> | Residual fuel oil | Total <sup>d</sup> |                                     |                               |                         |                       |                          |                        |  |                      |
|      | Thousand short tons | Billion cubic feet       | Thousand barrels    |                  |          |                             |                   |                    | Million kilowatthours               | Wood and waste <sup>f,g</sup> |                         | Million kilowatthours |                          |                        |  |                      |
| 1960 | 12                  | 12                       | 297                 | 107              | 466      | 135                         | 2                 | 1,007              | NA                                  | --                            | --                      | NA                    | 688                      | --                     | --   | --                   |
| 1965 | 10                  | 14                       | 315                 | 135              | 227      | 144                         | 1                 | 822                | NA                                  | --                            | --                      | NA                    | 925                      | --                     | --   | --                   |
| 1970 | 5                   | 19                       | 283                 | 188              | 94       | 220                         | 1                 | 786                | NA                                  | --                            | --                      | NA                    | 1,187                    | --                     | --   | --                   |
| 1975 | 7                   | 19                       | 668                 | 206              | 54       | 174                         | 2                 | 1,105              | NA                                  | --                            | --                      | NA                    | 1,645                    | --                     | --   | --                   |
| 1980 | 11                  | 14                       | 346                 | 175              | 0        | 92                          | 7                 | 620                | NA                                  | --                            | --                      | NA                    | 2,094                    | --                     | --   | --                   |
| 1985 | 6                   | 15                       | 772                 | 128              | (s)      | 72                          | 126               | 1,098              | NA                                  | --                            | --                      | NA                    | 4,245                    | --                     | --   | --                   |
| 1990 | 46                  | 12                       | 154                 | 172              | (s)      | 84                          | 11                | 421                | 0                                   | --                            | --                      | (s)                   | 3,237                    | --                     | --   | --                   |
| 1995 | 9                   | 13                       | 102                 | 100              | (s)      | 13                          | 3                 | 218                | 0                                   | --                            | --                      | (s)                   | 3,411                    | --                     | --   | --                   |
| 2000 | 3                   | 14                       | 143                 | 195              | (s)      | 14                          | 1                 | 353                | 0                                   | --                            | --                      | (s)                   | 4,104                    | --                     | --   | --                   |
| 2005 | 133                 | 13                       | 163                 | 414              | 7        | 15                          | 0                 | 600                | 0                                   | --                            | --                      | (s)                   | 4,473                    | --                     | --   | --                   |
| 2006 | 127                 | 13                       | 215                 | 344              | (s)      | 16                          | 0                 | 574                | 0                                   | --                            | --                      | (s)                   | 4,686                    | --                     | --   | --                   |
| 2007 | 2                   | 13                       | 175                 | 316              | (s)      | 15                          | 0                 | 506                | 0                                   | --                            | --                      | 1                     | 4,828                    | --                     | --   | --                   |
| 2008 | 11                  | 14                       | 229                 | 428              | 1        | 17                          | 0                 | 675                | 0                                   | --                            | --                      | 1                     | 4,826                    | --                     | --   | --                   |
| 2009 | 10                  | 24                       | 145                 | 183              | 0        | 15                          | 32                | 376                | 0                                   | --                            | --                      | 1                     | 4,791                    | --                     | --   | --                   |
| 2010 | 7                   | 20                       | 105                 | 291              | (s)      | 15                          | 1                 | 412                | 0                                   | --                            | --                      | 1                     | 4,789                    | --                     | --   | --                   |
| 2011 | 9                   | 22                       | 123                 | 303              | (s)      | 15                          | 4                 | 445                | 0                                   | --                            | --                      | 1                     | 4,892                    | --                     | --   | --                   |
| 2012 | 5                   | 19                       | 106                 | 375              | (s)      | 14                          | (s)               | 496                | 0                                   | --                            | --                      | 2                     | 4,918                    | --                     | --   | --                   |
| 2013 | 2                   | 21                       | 104                 | 309              | (s)      | 15                          | 1                 | 430                | 0                                   | --                            | --                      | 2                     | 4,890                    | --                     | --   | --                   |
| 2014 | 1                   | 22                       | 85                  | 395              | (s)      | 14                          | 3                 | 497                | 0                                   | --                            | --                      | 2                     | 4,903                    | --                     | --   | --                   |
| 2015 | 2                   | 20                       | 53                  | 387              | (s)      | 148                         | 0                 | 588                | 0                                   | --                            | --                      | 3                     | 4,894                    | --                     | --   | --                   |
| 2016 | 2                   | 21                       | 129                 | 422              | (s)      | 149                         | 0                 | 700                | 0                                   | --                            | --                      | 3                     | 4,832                    | --                     | --   | --                   |
| 2017 | 2                   | 23                       | 116                 | 359              | (s)      | 150                         | 0                 | 625                | 0                                   | --                            | --                      | 4                     | 4,970                    | --                     | --   | --                   |
| 2018 | 3                   | 26                       | 96                  | 604              | 0        | 152                         | 0                 | 852                | 0                                   | --                            | --                      | 6                     | 4,921                    | --                     | --   | --                   |
| 2019 | 2                   | 28                       | 87                  | 434              | (s)      | 153                         | 0                 | 674                | 0                                   | --                            | --                      | 7                     | 4,956                    | --                     | --   | --                   |
| 2020 | 1                   | 26                       | 98                  | 529              | (s)      | 154                         | 0                 | 781                | 0                                   | --                            | --                      | 10                    | 4,702                    | --                     | --   | --                   |
| 2021 | 1                   | 25                       | 98                  | 597              | (s)      | 156                         | 0                 | 851                | 0                                   | --                            | --                      | 12                    | 4,906                    | --                     | --   | --                   |
| 2022 | 2                   | 27                       | 100                 | 681              | (s)      | 162                         | 0                 | 943                | 0                                   | --                            | --                      | 14                    | 5,020                    | --                     | --   | --                   |

| Trillion Btu |     |      |     |     |     |     |     |     |     |     |     |       |      |        |        |        |
|--------------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|--------|--------|--------|
| 1960         | 0.3 | 12.3 | 1.7 | 0.4 | 2.6 | 0.7 | (s) | 5.5 | NA  | 0.1 | NA  | NA    | 2.3  | 20.5   | R 4.7  | R 25.2 |
| 1965         | 0.2 | 14.1 | 1.8 | 0.5 | 1.3 | 0.8 | (s) | 4.4 | NA  | 0.1 | NA  | NA    | 3.2  | 22.0   | R 6.2  | R 28.2 |
| 1970         | 0.1 | 19.2 | 1.6 | 0.7 | 0.5 | 1.2 | (s) | 4.1 | NA  | 0.1 | NA  | NA    | 4.1  | 27.4   | R 8.3  | R 35.7 |
| 1975         | 0.2 | 19.0 | 3.9 | 0.8 | 0.3 | 0.9 | (s) | 5.9 | NA  | 0.1 | NA  | NA    | 5.6  | 30.8   | R 11.5 | R 42.2 |
| 1980         | 0.2 | 14.4 | 2.0 | 0.7 | 0.0 | 0.5 | (s) | 3.2 | NA  | 0.1 | NA  | NA    | 7.1  | 25.1   | R 15.2 | R 40.3 |
| 1985         | 0.1 | 14.8 | 4.5 | 0.5 | (s) | 0.4 | 0.8 | 6.2 | NA  | 0.1 | NA  | NA    | 14.5 | 35.7   | R 29.4 | R 65.1 |
| 1990         | 0.9 | 12.5 | 0.9 | 0.7 | (s) | 0.4 | 0.1 | 2.1 | 0.0 | 0.2 | 0.1 | (s)   | 11.0 | 26.7   | R 15.7 | R 42.4 |
| 1995         | 0.2 | 13.9 | 0.6 | 0.4 | (s) | 0.1 | (s) | 1.1 | 0.0 | 0.2 | 0.1 | (s)   | 11.6 | 27.1   | R 17.7 | R 44.7 |
| 2000         | (s) | 13.9 | 0.8 | 0.8 | (s) | 0.1 | (s) | 1.7 | 0.0 | 0.3 | 0.2 | (s)   | 14.0 | 30.0   | R 21.8 | R 51.9 |
| 2005         | 2.4 | 13.7 | 0.9 | 1.6 | (s) | 0.1 | 0.0 | 2.7 | 0.0 | 1.0 | 0.2 | (s)   | 15.3 | 35.1   | R 24.7 | R 59.8 |
| 2006         | 2.3 | 13.4 | 1.2 | 1.3 | (s) | 0.1 | 0.0 | 2.6 | 0.0 | 0.9 | 0.2 | (s)   | 16.0 | 35.4   | R 25.4 | R 60.8 |
| 2007         | (s) | 13.4 | 1.0 | 1.2 | (s) | 0.1 | 0.0 | 2.3 | 0.0 | 1.0 | 0.1 | (s)   | 16.5 | 33.3   | R 26.1 | R 59.4 |
| 2008         | 0.3 | 14.6 | 1.3 | 1.6 | (s) | 0.1 | 0.0 | 3.1 | 0.0 | 1.0 | 0.1 | (s)   | 16.5 | 35.5   | R 25.6 | R 61.2 |
| 2009         | 0.2 | 23.8 | 0.8 | 0.7 | 0.0 | 0.1 | 0.2 | 1.8 | 0.0 | 0.4 | 0.1 | (s)   | 16.3 | 42.8   | R 24.4 | R 67.3 |
| 2010         | 0.2 | 20.7 | 0.6 | 1.1 | (s) | 0.1 | (s) | 1.8 | 0.0 | 0.4 | 0.1 | (s)   | 16.3 | 39.6   | R 24.7 | R 64.3 |
| 2011         | 0.2 | 22.7 | 0.7 | 1.2 | (s) | 0.1 | (s) | 2.0 | 0.0 | 0.4 | 0.1 | (s)   | 16.7 | 42.2   | R 21.1 | R 63.3 |
| 2012         | 0.1 | 19.7 | 0.6 | 1.4 | (s) | 0.1 | (s) | 2.1 | 0.0 | 0.4 | 0.1 | (s)   | 16.8 | 39.2   | R 21.7 | R 61.0 |
| 2013         | (s) | 21.7 | 0.6 | 1.2 | (s) | 0.1 | (s) | 1.9 | 0.0 | 0.4 | 0.1 | (s)   | 16.7 | 40.9   | R 23.1 | R 63.9 |
| 2014         | (s) | 22.1 | 0.5 | 1.5 | (s) | 0.1 | (s) | 2.1 | 0.0 | 0.5 | 0.1 | (s)   | 16.7 | 41.6   | R 22.5 | R 64.0 |
| 2015         | 0.1 | 20.1 | 0.3 | 1.5 | (s) | 0.7 | 0.0 | 2.5 | 0.0 | 1.6 | 0.1 | (s)   | 16.7 | 41.2   | R 23.1 | R 64.3 |
| 2016         | (s) | 22.0 | 0.7 | 1.6 | (s) | 0.8 | 0.0 | 3.1 | 0.0 | 2.0 | 0.1 | (s)   | 16.5 | 43.8   | R 21.7 | R 65.5 |
| 2017         | (s) | 24.3 | 0.7 | 1.4 | (s) | 0.8 | 0.0 | 2.8 | 0.0 | 2.0 | 0.1 | (s)   | 17.0 | 46.3   | R 21.1 | R 67.4 |
| 2018         | 0.1 | 27.4 | 0.6 | 2.3 | 0.0 | 0.8 | 0.0 | 3.6 | 0.0 | 2.2 | 0.1 | R (s) | 16.8 | 50.3   | R 20.9 | R 71.2 |
| 2019         | (s) | 29.2 | 0.5 | 1.7 | (s) | 0.8 | 0.0 | 2.9 | 0.0 | 2.0 | 0.1 | R (s) | 16.9 | 51.3   | R 22.8 | R 74.0 |
| 2020         | (s) | 27.5 | 0.6 | 2.0 | (s) | 0.8 | 0.0 | 3.4 | 0.0 | 2.1 | 0.1 | R (s) | 16.0 | 49.2   | R 16.9 | R 66.1 |
| 2021         | (s) | 26.1 | 0.6 | 2.3 | (s) | 0.8 | 0.0 | 3.6 | 0.0 | 2.2 | 0.1 | R (s) | 16.7 | R 48.9 | R 20.0 | R 68.9 |
| 2022         | (s) | 28.5 | 0.6 | 2.6 | (s) | 0.8 | 0.0 | 4.0 | 0.0 | 2.2 | 0.1 | (s)   | 17.1 | 52.1   | 20.1   | 72.1   |

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

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

<sup>c</sup> 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.

<sup>d</sup> Includes small amounts of petroleum coke not shown separately.

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

<sup>i</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>j</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the

other fossil fuels from which they are mostly derived, but should be counted only once in End Use 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.

<sup>k</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. 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>.

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



Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Montana

| Year         | Coal | Natural gas <sup>a</sup> | Petroleum           |                  |                             |                   |                    |         | Hydro-electric power <sup>e,f</sup> | Biomass                       |                                     | Geo-thermal <sup>f</sup> | Solar <sup>f,i</sup> | Electricity <sup>j</sup> | End use <sup>f,k</sup> | Electrical system energy losses <sup>l</sup> | Total <sup>f,k</sup> |
|--------------|------|--------------------------|---------------------|------------------|-----------------------------|-------------------|--------------------|---------|-------------------------------------|-------------------------------|-------------------------------------|--------------------------|----------------------|--------------------------|------------------------|--|----------------------|
|              |      |                          | Distillate fuel oil | HGL <sup>b</sup> | Motor gasoline <sup>c</sup> | Residual fuel oil | Other <sup>d</sup> | Total   |                                     | Wood and waste <sup>f,g</sup> | Losses and co-products <sup>h</sup> |                          |                      |                          |                        |  |                      |
|              |      |                          |                     |                  |                             |                   |                    |         |                                     |                               |                                     |                          | Thousand barrels     |                          |                        |  |                      |
| 1960         | 36   | 26                       | 1,500               | 112              | 816                         | 1,684             | 2,624              | 6,737   | 0                                   | --                            | --                                  | --                       | NA                   | 2,951                    | --                     | --   | --                   |
| 1965         | 52   | 34                       | 1,693               | 164              | 887                         | 914               | 3,901              | 7,559   | 0                                   | --                            | --                                  | --                       | NA                   | 3,939                    | --                     | --   | --                   |
| 1970         | 28   | 41                       | 1,274               | 246              | 635                         | 1,123             | 5,047              | 8,324   | 0                                   | --                            | --                                  | --                       | NA                   | 6,029                    | --                     | --   | --                   |
| 1975         | 50   | 34                       | 2,494               | 174              | 774                         | 1,963             | 4,810              | 10,215  | 0                                   | --                            | --                                  | --                       | NA                   | 5,160                    | --                     | --   | --                   |
| 1980         | 154  | 20                       | 1,925               | 786              | 619                         | 4,018             | 4,229              | 11,577  | 0                                   | --                            | --                                  | --                       | NA                   | 5,815                    | --                     | --   | --                   |
| 1985         | 225  | 10                       | 5,192               | 814              | 677                         | 7                 | 4,022              | 10,712  | 0                                   | --                            | --                                  | --                       | NA                   | 5,841                    | --                     | --   | --                   |
| 1990         | 220  | 12                       | 2,778               | 717              | 615                         | 207               | 5,205              | 9,522   | 0                                   | --                            | --                                  | --                       | (s)                  | 6,529                    | --                     | --   | --                   |
| 1995         | 622  | 20                       | 2,283               | 333              | 646                         | 233               | 4,936              | 8,432   | 0                                   | --                            | --                                  | --                       | (s)                  | 6,368                    | --                     | --   | --                   |
| 2000         | 166  | 26                       | 1,904               | 227              | 406                         | 0                 | 6,258              | 8,795   | 0                                   | --                            | --                                  | --                       | (s)                  | 6,568                    | --                     | --   | --                   |
| 2005         | 89   | 27                       | 3,519               | 287              | 638                         | 106               | 5,115              | 9,665   | 0                                   | --                            | --                                  | --                       | (s)                  | 4,784                    | --                     | --   | --                   |
| 2006         | 89   | 33                       | 3,673               | 322              | 694                         | 95                | 6,137              | 10,920  | 0                                   | --                            | --                                  | --                       | 0                    | 4,735                    | --                     | --   | --                   |
| 2007         | 110  | 32                       | 4,474               | 676              | 501                         | 0                 | 6,667              | 12,318  | 0                                   | --                            | --                                  | --                       | 0                    | 6,163                    | --                     | --   | --                   |
| 2008         | 90   | 33                       | 4,323               | 295              | 359                         | 0                 | 6,081              | 11,059  | 0                                   | --                            | --                                  | --                       | 0                    | 5,831                    | --                     | --   | --                   |
| 2009         | 60   | 25                       | 3,800               | 31               | 357                         | 27                | 5,596              | 9,811   | 0                                   | --                            | --                                  | --                       | 0                    | 4,773                    | --                     | --   | --                   |
| 2010         | 74   | 23                       | 2,149               | 86               | 295                         | 0                 | 5,484              | 8,013   | 0                                   | --                            | --                                  | --                       | 0                    | 4,239                    | --                     | --   | --                   |
| 2011         | 81   | 23                       | 2,372               | 132              | 296                         | 0                 | 5,886              | 8,686   | 0                                   | --                            | --                                  | --                       | 0                    | 3,983                    | --                     | --   | --                   |
| 2012         | 238  | 23                       | 2,568               | 53               | 274                         | 0                 | 5,850              | 8,745   | 0                                   | --                            | --                                  | --                       | 0                    | 4,168                    | --                     | --   | --                   |
| 2013         | 262  | 24                       | 2,591               | 83               | 290                         | (s)               | 5,504              | 8,469   | 0                                   | --                            | --                                  | --                       | 0                    | 4,229                    | --                     | --   | --                   |
| 2014         | 281  | 25                       | 2,416               | 90               | 284                         | 0                 | 5,210              | 8,000   | 0                                   | --                            | --                                  | --                       | 0                    | 4,230                    | --                     | --   | --                   |
| 2015         | 279  | 26                       | 1,658               | 125              | 348                         | 0                 | 5,500              | 7,632   | 0                                   | --                            | --                                  | --                       | 0                    | 4,488                    | --                     | --   | --                   |
| 2016         | 261  | 25                       | 1,418               | 63               | 339                         | 0                 | 5,449              | 7,269   | 0                                   | --                            | --                                  | --                       | 0                    | 4,416                    | --                     | --   | --                   |
| 2017         | 252  | 27                       | 1,448               | 88               | 341                         | 0                 | R 5,728            | R 7,605 | 0                                   | --                            | --                                  | --                       | 0                    | 4,515                    | --                     | --   | --                   |
| 2018         | 235  | 29                       | 1,543               | 97               | 347                         | 0                 | R 5,489            | R 7,477 | 0                                   | --                            | --                                  | --                       | 0                    | 4,720                    | --                     | --   | --                   |
| 2019         | 197  | 28                       | 1,854               | 147              | 342                         | 0                 | R 5,594            | R 7,938 | 0                                   | --                            | --                                  | --                       | 0                    | 5,057                    | --                     | --   | --                   |
| 2020         | 201  | 28                       | 1,746               | 76               | 346                         | 0                 | R 5,625            | R 7,793 | 0                                   | --                            | --                                  | --                       | 0                    | 4,502                    | --                     | --   | --                   |
| 2021         | 232  | 28                       | 1,567               | 121              | 336                         | 0                 | R 5,526            | R 7,552 | 0                                   | --                            | --                                  | --                       | 0                    | 4,496                    | --                     | --   | --                   |
| 2022         | 250  | 29                       | 1,584               | 214              | 365                         | 0                 | 5,384              | 7,547   | 0                                   | --                            | --                                  | --                       | (s)                  | 4,670                    | --                     | --   | --                   |
| Trillion Btu |      |                          |                     |                  |                             |                   |                    |         |                                     |                               |                                     |                          |                      |                          |                        |  |                      |
| 1960         | 0.8  | 27.0                     | 8.7                 | 0.4              | 4.3                         | 10.6              | 16.3               | 40.3    | 0.0                                 | 2.7                           | NA                                  | NA                       | NA                   | 10.1                     | 80.9                   | R 20.3                                       | R 101.2              |
| 1965         | 1.2  | 34.3                     | 9.9                 | 0.6              | 4.7                         | 5.7               | 24.1               | 45.0    | 0.0                                 | 3.7                           | NA                                  | NA                       | NA                   | 13.4                     | 97.6                   | R 26.4                                       | R 124.0              |
| 1970         | 0.6  | 42.5                     | 7.4                 | 0.9              | 3.3                         | 7.1               | 31.1               | 49.8    | 0.0                                 | 3.0                           | NA                                  | NA                       | NA                   | 20.6                     | 116.5                  | R 42.1                                       | R 158.6              |
| 1975         | 1.0  | 34.6                     | 14.5                | 0.6              | 4.1                         | 12.3              | 29.5               | 61.0    | 0.0                                 | 3.0                           | NA                                  | NA                       | NA                   | 17.6                     | 117.2                  | R 36.0                                       | R 153.2              |
| 1980         | 2.9  | 20.3                     | 11.2                | 2.8              | 3.3                         | 25.3              | 26.1               | 68.6    | 0.0                                 | 8.3                           | NA                                  | NA                       | NA                   | 19.8                     | 120.0                  | R 42.2                                       | R 162.2              |
| 1985         | 4.1  | 10.3                     | 30.2                | 2.8              | 3.6                         | (s)               | 25.4               | 62.1    | 0.0                                 | 9.8                           | 0.1                                 | NA                       | NA                   | 19.9                     | 106.3                  | R 40.5                                       | R 146.8              |
| 1990         | 4.0  | 12.0                     | 16.2                | 2.5              | 3.2                         | 1.3               | 32.3               | 55.4    | 0.0                                 | 8.9                           | 0.1                                 | (s)                      | (s)                  | 22.3                     | 102.8                  | R 31.6                                       | R 134.4              |
| 1995         | 11.2 | 21.0                     | 13.3                | 1.2              | 3.4                         | 1.5               | 30.6               | 49.8    | 0.0                                 | 14.4                          | 0.1                                 | (s)                      | (s)                  | 21.7                     | 118.4                  | R 33.0                                       | R 151.4              |
| 2000         | 2.7  | 27.1                     | 11.1                | 0.8              | 2.1                         | 0.0               | 39.1               | 53.1    | 0.0                                 | 13.1                          | (s)                                 | 0.1                      | (s)                  | 22.4                     | 118.4                  | R 34.9                                       | R 153.3              |
| 2005         | 1.3  | 28.3                     | 20.5                | 1.0              | 3.3                         | 0.7               | 31.2               | 56.6    | 0.0                                 | 10.8                          | 0.0                                 | 0.1                      | (s)                  | 16.3                     | 113.5                  | R 26.4                                       | R 139.9              |
| 2006         | 1.3  | 33.7                     | 21.3                | 1.1              | 3.6                         | 0.6               | 37.8               | 64.4    | 0.0                                 | 10.9                          | 0.0                                 | 0.1                      | 0.0                  | 16.2                     | 126.4                  | R 25.7                                       | R 152.1              |
| 2007         | 1.6  | 32.6                     | 25.9                | 2.3              | 2.6                         | 0.0               | 40.3               | 71.1    | 0.0                                 | 13.1                          | 0.0                                 | 0.1                      | 0.0                  | 21.0                     | 139.5                  | R 33.3                                       | R 172.8              |
| 2008         | 1.4  | 33.2                     | 25.0                | 1.0              | 1.8                         | 0.0               | 36.8               | 64.6    | 0.0                                 | 10.8                          | (s)                                 | 0.1                      | 0.0                  | 19.9                     | 130.0                  | R 31.0                                       | R 161.0              |
| 2009         | 0.9  | 25.0                     | 22.0                | 0.1              | 1.8                         | 0.2               | 34.8               | 58.8    | 0.0                                 | 9.1                           | (s)                                 | 0.1                      | 0.0                  | 16.3                     | 110.1                  | R 24.3                                       | R 134.5              |
| 2010         | 1.1  | 22.8                     | 12.4                | 0.3              | 1.5                         | 0.0               | 34.2               | 48.5    | 0.0                                 | 9.7                           | 0.0                                 | 0.1                      | 0.0                  | 14.5                     | 96.6                   | R 21.9                                       | R 118.5              |
| 2011         | 1.2  | 23.0                     | 13.7                | 0.5              | 1.5                         | 0.0               | 36.8               | 52.5    | 0.0                                 | 1.5                           | 0.0                                 | 0.1                      | 0.0                  | 13.6                     | 91.9                   | R 17.2                                       | R 109.1              |
| 2012         | 4.2  | 23.3                     | 14.8                | 0.2              | 1.4                         | 0.0               | 36.6               | 53.0    | 0.0                                 | 1.4                           | 0.0                                 | 0.1                      | 0.0                  | 14.2                     | 96.2                   | R 18.4                                       | R 114.6              |
| 2013         | 4.5  | 24.7                     | 14.9                | 0.3              | 1.5                         | (s)               | 34.3               | 51.1    | 0.0                                 | 1.3                           | 0.0                                 | 0.1                      | 0.0                  | 14.4                     | 96.0                   | R 20.0                                       | R 116.0              |
| 2014         | 4.9  | 26.0                     | 13.9                | 0.3              | 1.4                         | 0.0               | 32.6               | 48.3    | 0.0                                 | 1.6                           | 0.0                                 | 0.1                      | 0.0                  | 14.4                     | 95.3                   | R 19.4                                       | R 114.7              |
| 2015         | 5.0  | 26.4                     | 9.6                 | 0.5              | 1.8                         | 0.0               | 34.3               | 46.1    | 0.0                                 | 1.7                           | 0.0                                 | 0.1                      | 0.0                  | 15.3                     | 94.6                   | R 21.2                                       | R 115.8              |
| 2016         | 4.7  | 25.5                     | 8.2                 | 0.2              | 1.7                         | 0.0               | 34.8               | 44.9    | 0.0                                 | 1.7                           | (s)                                 | 0.1                      | 0.0                  | 15.1                     | 91.9                   | R 19.9                                       | R 111.8              |
| 2017         | 4.5  | 27.8                     | 8.3                 | 0.3              | 1.7                         | 0.0               | 36.5               | 46.9    | 0.0                                 | 2.1                           | (s)                                 | 0.1                      | 0.0                  | 15.4                     | 96.8                   | R 19.1                                       | R 116.0              |
| 2018         | 4.3  | 29.9                     | 8.9                 | 0.4              | 1.8                         | 0.0               | 35.0               | 46.0    | 0.0                                 | 2.1                           | (s)                                 | 0.1                      | 0.0                  | 16.1                     | 98.5                   | R 20.1                                       | R 118.6              |
| 2019         | 3.5  | 29.1                     | 10.7                | 0.6              | 1.7                         | 0.0               | 35.5               | 48.5    | 0.0                                 | 2.1                           | (s)                                 | 0.1                      | 0.0                  | 17.3                     | 100.5                  | R 23.2                                       | R 123.7              |
| 2020         | 3.6  | 29.5                     | 10.0                | 0.3              | 1.7                         | 0.0               | 35.7               | 47.8    | 0.0                                 | 2.1                           | (s)                                 | 0.1                      | 0.0                  | 15.4                     | 98.4                   | R 16.2                                       | R 114.6              |
| 2021         | 4.2  | 29.6                     | 9.0                 | 0.5              | 1.7                         | 0.0               | 35.2               | 46.4    | 0.0                                 | 1.9                           | 0.0                                 | 0.1                      | 0.0                  | 15.3                     | 97.6                   | R 18.4                                       | R 115.9              |
| 2022         | 4.5  | 30.3                     | 9.1                 | 0.8              | 1.8                         | 0.0               | 34.4               | 46.2    | 0.0                                 | 1.9                           | 0.0                                 | 0.1                      | (s)                  | 15.9                     | 98.9                   | 18.7   | 117.6                |

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.<sup>c</sup> 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.<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.<sup>h</sup> Losses and co-products from the production of biodiesel and fuel ethanol.<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.<sup>j</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.<sup>k</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and

the other fossil fuels from which they are mostly derived, but should be counted only once in End Use 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 industrial utility-scale facilities.

<sup>l</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.

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 <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/>

**Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Montana**

| Year         | Coal                | Natural gas <sup>a</sup> | Petroleum         |                                  |                  |                       |            |                             |                   |          | Electricity <sup>f</sup> | 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 short tons | Billion cubic feet       | Thousand barrels  |                                  |                  |                       |            |                             |                   |          | Million kilowatthours    |                        |  |                      |
| 1960         | 1                   | (s)                      | 1,006             | 2,839                            | 29               | 265                   | 137        | 5,972                       | 377               | 10,624   | 0                        | --                     | --   | --                   |
| 1965         | (s)                 | (s)                      | 312               | 2,676                            | 13               | 384                   | 148        | 6,678                       | 325               | 10,536   | 0                        | --                     | --   | --                   |
| 1970         | (s)                 | 1                        | 43                | 3,020                            | 36               | 649                   | 154        | 8,407                       | 119               | 12,428   | 0                        | --                     | --   | --                   |
| 1975         | (s)                 | 2                        | 79                | 3,835                            | 50               | 818                   | 162        | 9,682                       | 160               | 14,786   | 0                        | --                     | --   | --                   |
| 1980         | 0                   | 3                        | 159               | 4,759                            | 45               | 920                   | 196        | 9,705                       | 0                 | 15,786   | 0                        | --                     | --   | --                   |
| 1985         | 0                   | 2                        | 91                | 4,132                            | 51               | 678                   | 179        | 9,439                       | (s)               | 14,569   | 0                        | --                     | --   | --                   |
| 1990         | 0                   | 2                        | 111               | 3,993                            | 67               | 708                   | 201        | 9,630                       | 0                 | 14,709   | 0                        | --                     | --   | --                   |
| 1995         | 0                   | 4                        | 78                | 5,390                            | 28               | 1,052                 | 192        | 10,669                      | 0                 | 17,409   | 0                        | --                     | --   | --                   |
| 2000         | 0                   | 8                        | 134               | 5,812                            | 11               | 747                   | 205        | 11,139                      | 0                 | 18,047   | 0                        | --                     | --   | --                   |
| 2005         | 0                   | 8                        | 47                | 7,597                            | 22               | 1,112                 | 173        | 11,117                      | 0                 | 20,069   | 0                        | --                     | --   | --                   |
| 2006         | 0                   | 8                        | 87                | 8,122                            | 18               | 1,045                 | 168        | 11,251                      | 30                | 20,722   | 0                        | --                     | --   | --                   |
| 2007         | 0                   | 8                        | 69                | 9,013                            | 12               | 1,026                 | 174        | 11,563                      | 0                 | 21,858   | 0                        | --                     | --   | --                   |
| 2008         | 0                   | 7                        | 90                | 8,055                            | 35               | 832                   | 161        | 11,250                      | 0                 | 20,424   | 0                        | --                     | --   | --                   |
| 2009         | 0                   | 5                        | 75                | 7,454                            | 10               | 792                   | 145        | 11,471                      | 0                 | 19,946   | 0                        | --                     | --   | --                   |
| 2010         | 0                   | 7                        | 47                | 7,475                            | 6                | 1,126                 | 129        | 11,596                      | 0                 | 20,380   | 0                        | --                     | --   | --                   |
| 2011         | 0                   | 7                        | 44                | 7,931                            | 6                | 1,104                 | 127        | 11,424                      | 0                 | 20,635   | 0                        | --                     | --   | --                   |
| 2012         | 0                   | 7                        | 41                | 7,247                            | 5                | 1,123                 | 115        | 11,598                      | 0                 | 20,128   | 0                        | --                     | --   | --                   |
| 2013         | 0                   | 7                        | 37                | 7,754                            | 4                | 857                   | 123        | 11,839                      | 0                 | 20,614   | 0                        | --                     | --   | --                   |
| 2014         | 0                   | 4                        | 55                | 7,209                            | 3                | 948                   | 122        | 11,981                      | 0                 | 20,317   | 0                        | --                     | --   | --                   |
| 2015         | 0                   | 4                        | 57                | 6,666                            | 4                | 854                   | 129        | 12,276                      | 0                 | 19,986   | 0                        | --                     | --   | --                   |
| 2016         | 0                   | 5                        | 49                | 7,068                            | 4                | 1,090                 | R 125      | 12,488                      | 0                 | R 20,825 | 0                        | --                     | --   | --                   |
| 2017         | 0                   | 4                        | 44                | 7,368                            | 5                | 1,302                 | R 116      | 12,466                      | 0                 | 21,300   | 0                        | --                     | --   | --                   |
| 2018         | 0                   | 4                        | 49                | 7,507                            | 10               | 1,335                 | R 110      | 12,279                      | 0                 | 21,291   | 0                        | --                     | --   | --                   |
| 2019         | 0                   | 3                        | 46                | 7,456                            | 9                | 1,181                 | R 106      | 12,307                      | 0                 | R 21,105 | 0                        | --                     | --   | --                   |
| 2020         | 0                   | 3                        | 48                | 8,127                            | 14               | 1,313                 | R 105      | 11,521                      | 0                 | 21,128   | 0                        | --                     | --   | --                   |
| 2021         | 0                   | 3                        | 48                | R 7,435                          | 3                | 1,331                 | R 106      | 12,642                      | 0                 | R 21,568 | 0                        | --                     | --   | --                   |
| 2022         | 0                   | 3                        | 49                | 7,299                            | 9                | 1,192                 | 111        | 12,502                      | 0                 | 21,162   | 0                        | --                     | --   | --                   |
| Trillion Btu |                     |                          |                   |                                  |                  |                       |            |                             |                   |          |                          |                        |  |                      |
| 1960         | (s)                 | 0.5                      | 5.1               | 16.5                             | 0.1              | 1.4                   | 0.8        | 31.4                        | 2.4               | 57.7     | 0.0                      | 58.2                   | 0.0  | 58.2                 |
| 1965         | (s)                 | 0.4                      | 1.6               | 15.6                             | 0.1              | 2.1                   | 0.9        | 35.1                        | 2.0               | 57.3     | 0.0                      | 57.8                   | 0.0  | 57.8                 |
| 1970         | (s)                 | 0.7                      | 0.2               | 17.6                             | 0.1              | 3.6                   | 0.9        | 44.2                        | 0.7               | 67.4     | 0.0                      | 68.1                   | 0.0  | 68.1                 |
| 1975         | (s)                 | 1.8                      | 0.4               | 22.3                             | 0.2              | 4.6                   | 1.0        | 50.9                        | 1.0               | 80.4     | 0.0                      | 82.2                   | 0.0  | 82.2                 |
| 1980         | 0.0                 | 2.9                      | 0.8               | 27.7                             | 0.2              | 5.2                   | 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                             | 0.2              | 3.8                   | 1.1        | 49.6                        | (s)               | 79.2     | 0.0                      | 81.5                   | 0.0  | 81.5                 |
| 1990         | 0.0                 | 2.1                      | 0.6               | 23.3                             | 0.3              | 4.0                   | 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                             | 0.1              | 5.9                   | 1.2        | 55.5                        | 0.0               | 94.4     | 0.0                      | 98.5                   | 0.0  | 98.5                 |
| 2000         | 0.0                 | 7.9                      | 0.7               | 33.8                             | (s)              | 4.2                   | 1.2        | 57.9                        | 0.0               | 97.9     | 0.0                      | 105.8                  | 0.0  | 105.8                |
| 2005         | 0.0                 | 8.3                      | 0.2               | 44.2                             | 0.1              | 6.3                   | 1.0        | 57.7                        | 0.0               | 109.6    | 0.0                      | 117.9                  | 0.0  | 117.9                |
| 2006         | 0.0                 | 7.7                      | 0.4               | 47.1                             | 0.1              | 5.9                   | 1.0        | 58.3                        | 0.2               | 113.1    | 0.0                      | 120.9                  | 0.0  | 120.9                |
| 2007         | 0.0                 | 7.9                      | 0.4               | 52.1                             | (s)              | 5.8                   | 1.1        | 59.5                        | 0.0               | 118.9    | 0.0                      | 126.8                  | 0.0  | 126.8                |
| 2008         | 0.0                 | 7.4                      | 0.5               | 46.6                             | 0.1              | 4.7                   | 1.0        | 57.4                        | 0.0               | 110.3    | 0.0                      | 117.8                  | 0.0  | 117.8                |
| 2009         | 0.0                 | 5.1                      | 0.4               | 43.1                             | (s)              | 4.5                   | 0.9        | 58.4                        | 0.0               | 107.2    | 0.0                      | 112.3                  | 0.0  | 112.3                |
| 2010         | 0.0                 | 7.5                      | 0.2               | 43.2                             | (s)              | 6.4                   | 0.8        | 58.8                        | 0.0               | 109.4    | 0.0                      | 116.9                  | 0.0  | 116.9                |
| 2011         | 0.0                 | 7.0                      | 0.2               | 45.8                             | (s)              | 6.3                   | 0.8        | 57.8                        | 0.0               | 110.9    | 0.0                      | 117.9                  | 0.0  | 117.9                |
| 2012         | 0.0                 | 7.2                      | 0.2               | 41.8                             | (s)              | 6.4                   | 0.7        | 58.7                        | 0.0               | 107.8    | 0.0                      | 114.9                  | 0.0  | 114.9                |
| 2013         | 0.0                 | 7.0                      | 0.2               | 44.7                             | (s)              | 4.9                   | 0.7        | 59.9                        | 0.0               | 110.4    | 0.0                      | 117.4                  | 0.0  | 117.4                |
| 2014         | 0.0                 | 4.2                      | 0.3               | 41.5                             | (s)              | 5.4                   | 0.7        | 60.6                        | 0.0               | 108.6    | 0.0                      | 112.8                  | 0.0  | 112.8                |
| 2015         | 0.0                 | 4.6                      | 0.3               | 38.4                             | (s)              | 4.8                   | 0.8        | 62.1                        | 0.0               | 106.4    | 0.0                      | 111.1                  | 0.0  | 111.1                |
| 2016         | 0.0                 | 4.8                      | 0.2               | 40.7                             | (s)              | 6.2                   | 0.8        | 63.1                        | 0.0               | 111.0    | 0.0                      | 115.8                  | 0.0  | 115.8                |
| 2017         | 0.0                 | 3.9                      | 0.2               | 42.4                             | (s)              | 7.4                   | 0.7        | 63.0                        | 0.0               | 113.7    | 0.0                      | 117.7                  | 0.0  | 117.7                |
| 2018         | 0.0                 | 4.5                      | 0.2               | 43.2                             | (s)              | 7.6                   | 0.7        | 62.1                        | 0.0               | 113.8    | 0.0                      | 118.3                  | 0.0  | 118.3                |
| 2019         | 0.0                 | 3.6                      | 0.2               | 42.9                             | (s)              | 6.7                   | 0.6        | 62.2                        | 0.0               | 112.7    | 0.0                      | 116.3                  | 0.0  | 116.3                |
| 2020         | 0.0                 | 3.5                      | 0.2               | 46.8                             | 0.1              | 7.4                   | 0.6        | 58.2                        | 0.0               | 113.4    | 0.0                      | 116.9                  | 0.0  | 116.9                |
| 2021         | 0.0                 | R 3.1                    | 0.2               | R 42.9                           | (s)              | 7.5                   | 0.6        | 63.8                        | 0.0               | R 115.2  | 0.0                      | R 118.3                | 0.0  | R 118.3              |
| 2022         | 0.0                 | 2.6                      | 0.2               | 42.1                             | (s)              | 6.8                   | 0.7        | 63.1                        | 0.0               | 112.9    | 0.0                      | 115.6                  | 0.0  | 115.6                |

<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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

<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/>



Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Montana

| Year | Coal                | Natural gas <sup>a</sup> | Petroleum                        |                |                                |       | Nuclear electric power | Hydroelectric power <sup>d</sup> | Biomass                       | Geothermal <sup>f</sup> | Solar <sup>f,g</sup> | Wind <sup>f</sup> | Electricity net imports <sup>h</sup> | Total <sup>f,i</sup> |
|------|---------------------|--------------------------|----------------------------------|----------------|--------------------------------|-------|------------------------|----------------------------------|-------------------------------|-------------------------|----------------------|-------------------|--------------------------------------|----------------------|
|      |                     |                          | Distillate fuel oil <sup>b</sup> | Petroleum coke | Residual fuel oil <sup>c</sup> | Total |                        |                                  | Wood and waste <sup>e,f</sup> |                         |                      |                   |                                      |                      |
|      | Thousand short tons | Billion cubic feet       | Thousand barrels                 |                |                                |       | Million kilowatthours  |                                  | Million kilowatthours         |                         |                      |                   |                                      |                      |
| 1960 | 187                 | (s)                      | (s)                              | 0              | (s)                            | (s)   | 0                      | 5,801                            | --                            | 0                       | NA                   | NA                | -1                                   | --                   |
| 1965 | 296                 | 2                        | (s)                              | 0              | 1                              | 1     | 0                      | 8,389                            | --                            | 0                       | NA                   | NA                | -1                                   | --                   |
| 1970 | 723                 | 3                        | (s)                              | 0              | 26                             | 26    | 0                      | 8,745                            | --                            | 0                       | NA                   | NA                | -1                                   | --                   |
| 1975 | 1,089               | 1                        | 1                                | 0              | 53                             | 54    | 0                      | 10,166                           | --                            | 0                       | NA                   | NA                | -2                                   | --                   |
| 1980 | 3,352               | 4                        | 59                               | 0              | 0                              | 59    | 0                      | 9,966                            | --                            | 0                       | NA                   | NA                | -2                                   | --                   |
| 1985 | 5,480               | (s)                      | 38                               | 0              | 0                              | 38    | 0                      | 10,175                           | --                            | 0                       | 0                    | (s)               | 70                                   | --                   |
| 1990 | 9,573               | (s)                      | 63                               | 0              | 0                              | 63    | 0                      | 10,717                           | --                            | 0                       | 0                    | 0                 | 47                                   | --                   |
| 1995 | 9,641               | (s)                      | 57                               | 1,222          | 0                              | 1,278 | 0                      | 10,746                           | --                            | 0                       | 0                    | 0                 | (s)                                  | --                   |
| 2000 | 10,385              | (s)                      | 41                               | 1,356          | 0                              | 1,397 | 0                      | 9,623                            | --                            | 0                       | 0                    | 0                 | -3                                   | --                   |
| 2005 | 11,588              | (s)                      | 18                               | 1,258          | 0                              | 1,276 | 0                      | 9,587                            | --                            | 0                       | 0                    | 0                 | 9                                    | --                   |
| 2006 | 11,302              | 1                        | 25                               | 1,279          | 0                              | 1,303 | 0                      | 10,130                           | --                            | 0                       | 0                    | 436               | -214                                 | --                   |
| 2007 | 11,929              | 1                        | 21                               | 1,244          | 0                              | 1,264 | 0                      | 9,364                            | --                            | 0                       | 0                    | 496               | -54                                  | --                   |
| 2008 | 12,012              | 1                        | 14                               | 1,164          | 0                              | 1,178 | 0                      | 10,000                           | --                            | 0                       | 0                    | 593               | -248                                 | --                   |
| 2009 | 10,151              | 1                        | 17                               | 1,348          | 0                              | 1,366 | 0                      | 9,506                            | --                            | 0                       | 0                    | 821               | -288                                 | --                   |
| 2010 | 12,005              | 1                        | 17                               | 1,138          | 0                              | 1,154 | 0                      | 9,415                            | --                            | 0                       | 0                    | 930               | -375                                 | --                   |
| 2011 | 9,758               | 5                        | 28                               | 1,320          | 0                              | 1,348 | 0                      | 12,596                           | --                            | 0                       | 0                    | 1,265             | -369                                 | --                   |
| 2012 | 9,057               | 5                        | 14                               | 1,344          | 0                              | 1,358 | 0                      | 11,283                           | --                            | 0                       | 0                    | 1,262             | -175                                 | --                   |
| 2013 | 9,562               | 7                        | 19                               | 1,323          | 0                              | 1,342 | 0                      | 9,638                            | --                            | 0                       | 0                    | 1,755             | -348                                 | --                   |
| 2014 | 10,180              | 6                        | 45                               | 1,208          | 0                              | 1,253 | 0                      | 11,483                           | --                            | 0                       | 0                    | 1,974             | -979                                 | --                   |
| 2015 | 10,277              | 7                        | 12                               | 1,458          | 0                              | 1,470 | 0                      | 9,888                            | --                            | 0                       | 0                    | 1,965             | -174                                 | --                   |
| 2016 | 9,328               | 5                        | 21                               | 1,365          | 0                              | 1,386 | 0                      | 10,083                           | --                            | 0                       | 0                    | 2,140             | 124                                  | --                   |
| 2017 | 8,944               | 5                        | 15                               | 1,386          | 0                              | 1,401 | 0                      | 10,946                           | --                            | 0                       | 14                   | 2,155             | 191                                  | --                   |
| 2018 | 8,733               | 5                        | 24                               | 1,236          | 0                              | 1,260 | 0                      | 11,405                           | --                            | 0                       | 34                   | 2,153             | -493                                 | --                   |
| 2019 | 9,275               | 5                        | 23                               | 1,278          | 0                              | 1,301 | 0                      | 10,005                           | --                            | 0                       | 29                   | 2,373             | -793                                 | --                   |
| 2020 | 5,624               | 3                        | 19                               | 1,326          | 0                              | 1,345 | 0                      | 10,748                           | --                            | 0                       | 33                   | 3,059             | -1,154                               | --                   |
| 2021 | 6,908               | 6                        | 18                               | 1,339          | 0                              | 1,357 | 0                      | 9,258                            | --                            | 0                       | 33                   | 3,473             | -1,198                               | --                   |
| 2022 | 7,395               | 8                        | 23                               | 1,277          | 0                              | 1,300 | 0                      | 9,886                            | --                            | 0                       | 32                   | 4,022             | -1,140                               | --                   |

## Trillion Btu

|      |       |     |     |     |     |     |     |        |     |     |       |        |      |         |
|------|-------|-----|-----|-----|-----|-----|-----|--------|-----|-----|-------|--------|------|---------|
| 1960 | 2.5   | 0.4 | (s) | 0.0 | (s) | (s) | 0.0 | R 19.8 | 0.0 | 0.0 | NA    | NA     | (s)  | R 22.7  |
| 1965 | 3.9   | 2.0 | (s) | 0.0 | (s) | (s) | 0.0 | R 28.6 | 0.4 | 0.0 | NA    | NA     | (s)  | R 34.9  |
| 1970 | 11.2  | 2.6 | (s) | 0.0 | 0.2 | 0.2 | 0.0 | R 29.8 | 0.8 | 0.0 | NA    | NA     | (s)  | R 44.6  |
| 1975 | 17.4  | 1.2 | (s) | 0.0 | 0.3 | 0.3 | 0.0 | R 34.7 | 0.1 | 0.0 | NA    | NA     | (s)  | R 53.8  |
| 1980 | 57.0  | 4.4 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | R 34.0 | 0.2 | 0.0 | NA    | NA     | (s)  | R 95.9  |
| 1985 | 94.8  | 0.6 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | R 34.7 | 0.6 | 0.0 | 0.0   | (s)    | 0.2  | R 131.2 |
| 1990 | 163.7 | 0.5 | 0.4 | 0.0 | 0.0 | 0.4 | 0.0 | R 36.6 | 0.8 | 0.0 | 0.0   | 0.0    | 0.2  | R 202.1 |
| 1995 | 163.8 | 0.4 | 0.3 | 7.4 | 0.0 | 7.7 | 0.0 | R 36.7 | 0.0 | 0.0 | 0.0   | 0.0    | (s)  | R 208.6 |
| 2000 | 174.1 | 0.2 | 0.2 | 8.2 | 0.0 | 8.4 | 0.0 | R 32.8 | 0.0 | 0.0 | 0.0   | 0.0    | (s)  | R 215.5 |
| 2005 | 195.6 | 0.2 | 0.1 | 7.2 | 0.0 | 7.3 | 0.0 | R 32.7 | 0.0 | 0.0 | 0.0   | 0.0    | (s)  | R 235.8 |
| 2006 | 190.5 | 0.5 | 0.1 | 7.3 | 0.0 | 7.5 | 0.0 | R 34.6 | 0.0 | 0.0 | 0.0   | R 1.5  | -0.7 | R 233.8 |
| 2007 | 200.8 | 1.0 | 0.1 | 7.1 | 0.0 | 7.2 | 0.0 | R 32.0 | 0.0 | 0.0 | 0.0   | R 1.7  | -0.2 | R 242.6 |
| 2008 | 201.6 | 0.5 | 0.1 | 6.7 | 0.0 | 6.7 | 0.0 | R 34.1 | 0.0 | 0.0 | 0.0   | R 2.0  | -0.8 | R 244.2 |
| 2009 | 171.7 | 0.7 | 0.1 | 7.7 | 0.0 | 7.8 | 0.0 | R 32.4 | 0.0 | 0.0 | 0.0   | R 2.8  | -1.0 | R 214.4 |
| 2010 | 202.0 | 0.7 | 0.1 | 6.5 | 0.0 | 6.6 | 0.0 | R 32.1 | 0.0 | 0.0 | 0.0   | R 3.2  | -1.3 | R 243.4 |
| 2011 | 164.2 | 4.8 | 0.2 | 7.5 | 0.0 | 7.7 | 0.0 | R 43.0 | 0.0 | 0.0 | 0.0   | R 4.3  | -1.3 | R 222.7 |
| 2012 | 153.0 | 5.5 | 0.1 | 7.7 | 0.0 | 7.8 | 0.0 | R 38.5 | 0.0 | 0.0 | 0.0   | R 4.3  | -0.6 | R 208.5 |
| 2013 | 161.6 | 7.4 | 0.1 | 7.6 | 0.0 | 7.7 | 0.0 | R 32.9 | 0.0 | 0.0 | 0.0   | R 6.0  | -1.2 | R 214.4 |
| 2014 | 170.5 | 5.8 | 0.3 | 6.9 | 0.0 | 7.2 | 0.0 | R 39.2 | 0.0 | 0.0 | 0.0   | R 6.7  | -3.3 | R 226.0 |
| 2015 | 173.4 | 6.7 | 0.1 | 8.3 | 0.0 | 8.4 | 0.0 | R 33.7 | 0.0 | 0.0 | 0.0   | R 6.7  | -0.6 | R 228.4 |
| 2016 | 157.2 | 5.5 | 0.1 | 7.8 | 0.0 | 7.9 | 0.0 | R 34.4 | 0.0 | 0.0 | 0.0   | R 7.3  | 0.4  | R 212.8 |
| 2017 | 151.5 | 4.8 | 0.1 | 7.9 | 0.0 | 8.0 | 0.0 | R 37.3 | 0.0 | 0.0 | R (s) | R 7.4  | 0.7  | R 209.8 |
| 2018 | 147.9 | 5.3 | 0.1 | 7.1 | 0.0 | 7.2 | 0.0 | R 38.9 | 0.0 | 0.0 | R 0.1 | R 7.3  | -1.7 | R 205.2 |
| 2019 | 155.6 | 5.7 | 0.1 | 7.3 | 0.0 | 7.4 | 0.0 | R 34.1 | 0.0 | 0.0 | R 0.1 | R 8.1  | -2.7 | R 208.4 |
| 2020 | 95.3  | 3.6 | 0.1 | 7.6 | 0.0 | 7.7 | 0.0 | R 36.7 | 0.1 | 0.0 | R 0.1 | R 10.4 | -3.9 | R 149.9 |
| 2021 | 118.6 | 5.9 | 0.1 | 7.7 | 0.0 | 7.8 | 0.0 | R 31.6 | 0.1 | 0.0 | R 0.1 | R 11.8 | -4.1 | R 171.8 |
| 2022 | 126.8 | 8.1 | 0.1 | 7.3 | 0.0 | 7.4 | 0.0 | 33.7   | 0.1 | 0.0 | 0.1   | 13.7   | -3.9 | 186.0   |

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

<sup>e</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Solar thermal and photovoltaic energy.

<sup>h</sup> Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

<sup>i</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which 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.

-- = 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 consists of 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 <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/>