

**Table ET2. Total End-Use Energy Price and Expenditure Estimates, Selected Years, 1970-2016, Alaska**

| Year                              | Primary Energy |                          |                     |                  |                       |                             |                   |                    |         |                        |                               | Retail Electricity | Total Energy <sup>g,h,i</sup> |
|-----------------------------------|----------------|--------------------------|---------------------|------------------|-----------------------|-----------------------------|-------------------|--------------------|---------|------------------------|-------------------------------|--------------------|-------------------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum           |                  |                       |                             |                   |                    | Biomass | Total <sup>g,h,i</sup> |                               |                    |                               |
|                                   |                |                          | Distillate Fuel Oil | HGL <sup>b</sup> | Jet Fuel <sup>c</sup> | Motor Gasoline <sup>d</sup> | Residual Fuel Oil | Other <sup>e</sup> |         |                        | Wood and Waste <sup>f,g</sup> |                    |                               |
| Prices in Dollars per Million Btu |                |                          |                     |                  |                       |                             |                   |                    |         |                        |                               |                    |                               |
| 1970                              | 1.05           | 0.75                     | 1.11                | 1.75             | 0.73                  | 3.18                        | 1.37              | 1.68               | 1.32    | 1.36                   | 1.17                          | 9.02               | 1.39                          |
| 1975                              | 1.59           | 1.07                     | 2.86                | 3.34             | 2.04                  | 5.15                        | 2.34              | 3.30               | 3.00    | 1.52                   | 2.41                          | 9.61               | 2.69                          |
| 1980                              | —              | 0.68                     | 6.94                | 5.95             | 6.21                  | 10.20                       | 3.78              | 7.24               | 7.15    | 2.20                   | 4.59                          | 15.09              | 5.04                          |
| 1985                              | 3.62           | 1.34                     | 7.65                | 13.22            | 6.07                  | 9.83                        | 4.40              | 7.39               | 7.06    | 2.71                   | 5.10                          | 24.52              | 5.94                          |
| 1990                              | 4.36           | 2.13                     | 8.31                | 12.89            | 6.17                  | 10.03                       | 4.44              | 8.72               | 7.52    | 1.43                   | 5.83                          | 27.81              | 6.88                          |
| 1995                              | 2.05           | 2.10                     | 7.13                | 11.62            | 4.54                  | 10.87                       | 2.77              | 10.32              | 6.63    | 1.51                   | 5.20                          | 29.84              | 6.40                          |
| 1996                              | 2.05           | 2.09                     | 7.75                | 12.68            | 5.22                  | 11.73                       | 2.86              | 13.85              | 7.18    | 1.43                   | 5.52                          | 30.04              | 6.75                          |
| 1997                              | 2.18           | 2.20                     | 8.07                | 11.21            | 4.97                  | 11.99                       | 2.99              | 11.46              | 7.04    | 2.02                   | 5.57                          | 29.57              | 6.73                          |
| 1998                              | 2.06           | 2.09                     | 6.58                | 9.74             | 3.63                  | 10.18                       | 2.53              | 12.12              | 5.58    | 3.29                   | 4.54                          | 29.29              | 5.80                          |
| 1999                              | 2.13           | 2.03                     | 7.19                | 12.24            | 4.49                  | 10.05                       | 2.67              | 10.11              | 6.13    | 3.79                   | 4.97                          | 28.71              | 6.17                          |
| 2000                              | 1.88           | 2.06                     | 10.10               | 15.25            | 7.10                  | 12.84                       | 2.63              | 9.69               | 8.64    | 5.68                   | 6.88                          | 29.60              | 8.03                          |
| 2001                              | 1.95           | 2.69                     | 10.33               | 16.63            | 5.97                  | 13.27                       | 2.68              | 8.10               | 8.10    | 5.59                   | 6.87                          | 30.96              | 8.18                          |
| 2002                              | 1.95           | 2.88                     | 8.81                | 13.93            | 5.62                  | 12.50                       | 3.07              | 9.19               | 7.40    | 4.77                   | 6.40                          | 30.76              | 7.78                          |
| 2003                              | 1.97           | 3.67                     | 10.20               | 15.52            | 6.63                  | 14.08                       | 3.62              | 15.85              | 8.49    | 5.86                   | 7.67                          | 30.86              | 9.08                          |
| 2004                              | 1.99           | 3.75                     | 12.53               | 16.93            | 9.61                  | 15.86                       | —                 | 12.27              | 11.20   | 6.64                   | 9.90                          | 32.29              | 11.07                         |
| 2005                              | 1.99           | 4.39                     | 16.31               | 20.51            | 13.14                 | 19.03                       | 4.29              | 16.36              | 14.68   | 8.51                   | 12.84                         | 34.43              | 13.99                         |
| 2006                              | 2.11           | 5.81                     | 18.81               | 22.37            | 15.17                 | 21.51                       | 11.26             | 22.91              | 17.01   | 9.00                   | 15.35                         | 37.69              | 16.61                         |
| 2007                              | 2.30           | 8.09                     | 19.55               | 24.83            | 16.35                 | 22.84                       | 13.16             | 23.00              | 18.13   | 9.86                   | 16.57                         | 38.96              | 17.93                         |
| 2008                              | 3.32           | 8.65                     | 28.69               | 30.26            | 22.47                 | 29.72                       | 12.94             | 28.92              | 25.37   | 13.12                  | 22.51                         | 43.21              | 23.90                         |
| 2009                              | 4.14           | 9.86                     | 21.38               | 24.59            | 13.24                 | 23.25                       | —                 | 15.96              | 17.70   | 10.09                  | 16.24                         | 44.29              | 18.21                         |
| 2010                              | 3.68           | 8.80                     | 23.54               | 26.52            | 16.81                 | 27.91                       | 13.68             | R 19.92            | R 20.55 | R 11.83                | R 18.69                       | 43.29              | R 20.29                       |
| 2011                              | 3.82           | 8.33                     | 29.66               | 28.94            | 23.12                 | 34.40                       | 17.33             | R 22.28            | R 26.68 | R 14.15                | R 23.49                       | 47.13              | R 25.04                       |
| 2012                              | 4.04           | 8.19                     | 29.68               | 23.67            | 23.28                 | 36.18                       | 17.90             | R 23.98            | R 27.14 | R 15.68                | R 23.68                       | 47.84              | R 25.34                       |
| 2013                              | 4.89           | 8.58                     | 29.32               | 22.91            | 22.33                 | 34.80                       | —                 | R 23.39            | R 26.37 | R 11.67                | R 23.07                       | 48.37              | R 24.84                       |
| 2014                              | 4.83           | 8.67                     | 29.32               | 25.20            | 20.97                 | 33.67                       | —                 | R 22.95            | R 25.85 | R 10.88                | R 22.68                       | 51.27              | R 24.75                       |
| 2015                              | 5.04           | 8.74                     | 21.11               | 17.55            | 12.33                 | 27.64                       | —                 | R 20.45            | R 18.09 | R 7.10                 | R 16.32                       | 51.65              | R 18.79                       |
| 2016                              | 7.01           | 9.01                     | 17.13               | 16.86            | 9.96                  | 24.05                       | —                 | 16.82              | 14.74   | 6.33                   | 13.72                         | 52.62              | 16.61                         |

  

| Expenditures in Million Dollars |      |       |         |      |         |         |      |         |           |        |           |         |           |
|---------------------------------|------|-------|---------|------|---------|---------|------|---------|-----------|--------|-----------|---------|-----------|
| 1970                            | 9.4  | 23.1  | 29.4    | 1.0  | 27.5    | 43.8    | 8.6  | 8.3     | 118.6     | 2.9    | 154.0     | 33.9    | 187.9     |
| 1975                            | 17.1 | 44.4  | 104.1   | 2.2  | 85.0    | 113.0   | 15.6 | 21.2    | 341.1     | 3.1    | 405.8     | 65.9    | 471.7     |
| 1980                            | —    | 50.7  | 246.9   | 3.6  | 335.7   | 196.9   | 0.4  | 43.4    | 826.9     | 2.5    | 880.1     | 129.5   | 1,009.6   |
| 1985                            | 25.0 | 130.6 | 431.0   | 15.4 | 520.3   | 291.3   | 66.6 | 54.3    | 1,378.8   | 4.2    | 1,538.6   | 331.5   | 1,870.1   |
| 1990                            | 34.0 | 169.1 | 486.4   | 18.6 | 604.3   | 308.4   | 6.1  | 43.5    | 1,467.2   | 7.6    | 1,677.9   | 401.1   | 2,079.0   |
| 1995                            | 16.9 | 170.0 | 505.6   | 10.5 | 435.6   | 405.6   | 7.0  | 33.0    | 1,397.3   | 9.9    | 1,594.1   | 468.4   | 2,062.5   |
| 1996                            | 15.5 | 179.9 | 502.3   | 11.6 | 552.3   | 412.1   | 3.1  | 21.5    | 1,502.9   | 9.0    | 1,707.3   | 487.3   | 2,194.6   |
| 1997                            | 17.4 | 192.5 | 532.8   | 12.4 | 594.9   | 394.8   | 1.2  | 35.8    | 1,571.8   | 5.0    | 1,786.7   | 485.3   | 2,271.9   |
| 1998                            | 17.2 | 182.0 | 418.0   | 10.0 | 450.8   | 357.7   | 0.1  | 23.5    | 1,260.1   | 2.8    | 1,462.1   | 505.5   | 1,967.6   |
| 1999                            | 18.4 | 176.2 | 480.9   | 12.3 | 602.0   | 336.8   | 3.9  | 44.2    | 1,480.2   | 2.8    | 1,677.6   | 514.6   | 2,192.2   |
| 2000                            | 15.4 | 167.0 | 613.7   | 12.9 | 1,041.0 | 399.9   | 1.9  | 53.3    | 2,122.7   | 4.5    | 2,309.6   | 532.0   | 2,841.6   |
| 2001                            | 14.4 | 172.3 | 671.1   | 16.5 | 821.5   | 441.5   | 0.9  | 69.0    | 2,020.6   | 7.0    | 2,214.3   | 570.8   | 2,785.1   |
| 2002                            | 14.4 | 167.6 | 524.8   | 16.5 | 804.9   | 385.8   | 1.0  | 36.5    | 1,769.5   | 6.6    | 1,958.1   | 566.9   | 2,525.1   |
| 2003                            | 13.8 | 143.0 | 561.7   | 18.0 | 1,028.6 | 433.6   | 0.3  | 29.8    | 2,072.0   | 8.3    | 2,237.1   | 579.6   | 2,816.7   |
| 2004                            | 15.5 | 193.7 | 984.6   | 12.9 | 1,686.2 | 573.1   | —    | 42.0    | 3,298.7   | 9.5    | 3,517.5   | 630.7   | 4,148.2   |
| 2005                            | 15.8 | 233.5 | 1,140.9 | 20.4 | 2,379.8 | 677.8   | 0.3  | 56.0    | 4,275.2   | 4.2    | 4,528.7   | 687.1   | 5,215.8   |
| 2006                            | 18.4 | 230.1 | 1,454.8 | 22.8 | 2,730.7 | 758.1   | 2.1  | 110.6   | 5,079.2   | 4.4    | 5,332.1   | 786.3   | 6,118.4   |
| 2007                            | 17.0 | 314.4 | 1,455.9 | 18.9 | 2,693.1 | 815.4   | 21.7 | 99.5    | 5,104.6   | 5.4    | 5,441.4   | 830.6   | 6,272.0   |
| 2008                            | 28.3 | 334.8 | 2,046.1 | 38.4 | 3,035.0 | 1,021.9 | 15.8 | 100.4   | 6,257.6   | 7.2    | 6,627.9   | 921.5   | 7,549.4   |
| 2009                            | 33.8 | 362.7 | 1,711.7 | 37.7 | 1,407.0 | 795.5   | —    | 190.8   | 4,142.6   | 11.2   | 4,550.3   | 936.8   | 5,487.1   |
| 2010                            | 31.6 | 306.4 | 1,800.8 | 35.3 | 2,166.7 | 974.8   | 2.9  | R 310.8 | R 5,291.4 | 11.8   | R 5,641.2 | 912.4   | R 6,553.6 |
| 2011                            | 36.3 | 334.7 | 2,404.2 | 36.6 | 2,733.2 | 1,158.2 | 7.6  | R 397.5 | R 6,737.3 | 14.4   | R 7,122.8 | 1,004.6 | R 8,127.5 |
| 2012                            | 37.2 | 342.2 | 2,265.5 | 30.5 | 2,635.6 | 1,220.1 | 6.4  | R 406.7 | R 6,564.8 | R 14.9 | R 6,959.1 | 1,035.0 | R 7,994.1 |
| 2013                            | 43.7 | 334.9 | 2,051.8 | 28.8 | 2,397.2 | 1,141.7 | —    | R 354.4 | R 5,973.9 | R 20.3 | R 6,372.8 | 1,005.2 | R 7,378.0 |
| 2014                            | 40.2 | 319.2 | 2,058.1 | 31.8 | 2,013.3 | 1,152.3 | —    | R 336.3 | R 5,591.9 | 20.4   | R 5,971.7 | 1,055.8 | R 7,027.5 |
| 2015                            | 42.9 | 337.4 | 1,579.7 | 19.2 | 1,269.1 | R 962.0 | —    | R 297.1 | R 4,127.0 | R 11.3 | R 4,518.6 | 1,074.1 | R 5,592.7 |
| 2016                            | 48.8 | 311.9 | 1,021.9 | 19.6 | 1,043.8 | 847.5   | —    | 237.9   | 3,170.7   | 7.8    | 3,539.3   | 1,088.4 | 4,627.7   |

<sup>a</sup> Natural gas as it is consumed; 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> 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>d</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>e</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>f</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>g</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass waste beginning in 1989.  
<sup>h</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<sup>i</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.  
Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.  
Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.  
Notes: Price estimates are weighted averages of price estimates and expenditure estimates are the sum of expenditure estimates for the residential, commercial, industrial, and transportation sectors. • Expenditure totals may not equal sum of components due to independent rounding.  
Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.