

**Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year | Primary Energy                    |            |       |                          |                                  |                  |                       |                             |                   |                    |         |              |                               | Electric Power Sector <sup>i,k,l</sup> | Electricity <sup>m</sup> | Total Energy <sup>h,i,j</sup> |                          |
|------|-----------------------------------|------------|-------|--------------------------|----------------------------------|------------------|-----------------------|-----------------------------|-------------------|--------------------|---------|--------------|-------------------------------|--|--------------------------|-------------------------------|--------------------------|
|      | Coal                              |            |       | Natural Gas <sup>a</sup> | Petroleum                        |                  |                       |                             |                   |                    |         | Nuclear Fuel | Biomass                       |  |                          |                               | Total <sup>h,i,j,k</sup> |
|      | Coking Coal                       | Steam Coal | Total |                          | 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>g,h</sup> |  |                          |                               |                          |
|      | Prices in Dollars per Million Btu |            |       |                          |                                  |                  |                       |                             |                   |                    |         |              |                               |  |                          |                               |                          |
| 1970 | 0.42                              | 0.34       | 0.36  | 0.74                     | 1.13                             | 1.74             | 0.74                  | 2.93                        | 0.61              | 1.63               | 2.20    | —            | 1.18                          | 0.98                                   | 0.30                     | 4.68                          | 1.50                     |
| 1975 | 1.57                              | 1.03       | 1.14  | 1.30                     | 2.53                             | 3.78             | 2.09                  | 4.73                        | 2.14              | 3.20               | 3.83    | —            | 1.44                          | 2.00                                   | 0.98                     | 7.94                          | 3.06                     |
| 1980 | 2.00                              | 1.47       | 1.56  | 3.27                     | 6.44                             | 5.69             | 6.38                  | 9.45                        | 3.34              | 7.46               | 7.80    | 0.28         | 2.26                          | 4.06                                   | 1.50                     | 12.97                         | 6.23                     |
| 1985 | 2.05                              | 1.68       | 1.71  | 5.32                     | 7.68                             | 10.36            | 6.04                  | 9.15                        | 4.21              | 8.65               | 8.74    | 1.09         | 2.20                          | 4.81                                   | 1.70                     | 16.90                         | 8.25                     |
| 1990 | 1.80                              | 1.51       | 1.54  | 4.54                     | 7.76                             | 10.99            | 5.73                  | 9.35                        | 2.60              | 7.33               | 8.57    | 1.24         | 1.99                          | 4.39                                   | 1.50                     | 17.33                         | 8.27                     |
| 1995 | 1.57                              | 1.42       | 1.43  | 4.59                     | 7.13                             | 8.57             | 4.02                  | 9.30                        | 2.70              | 7.60               | 8.26    | 1.00         | 1.51                          | 4.27                                   | 1.38                     | 18.37                         | 8.55                     |
| 2000 | 1.66                              | 1.46       | 1.46  | 6.29                     | 10.26                            | 12.51            | 6.57                  | 12.13                       | 4.00              | 8.34               | 10.73   | 0.46         | 1.66                          | 5.56                                   | 1.38                     | 18.84                         | 10.42                    |
| 2005 | 3.41                              | 1.56       | 1.63  | 11.49                    | 16.80                            | 18.44            | 12.95                 | 18.02                       | 6.69              | 11.82              | 16.64   | 0.37         | 4.09                          | 8.77                                   | 1.59                     | 20.80                         | 15.39                    |
| 2006 | 3.77                              | 1.74       | 1.82  | 12.33                    | 18.92                            | 20.42            | 14.64                 | 20.35                       | 7.57              | 14.69              | 18.86   | 0.39         | 4.15                          | 9.75                                   | 1.70                     | 22.67                         | 17.14                    |
| 2007 | 3.77                              | 1.75       | 1.84  | 11.41                    | 20.28                            | 22.83            | 15.93                 | 22.73                       | 7.37              | 14.59              | 20.58   | 0.41         | 4.41                          | 10.18                                  | 1.76                     | 23.26                         | 17.77                    |
| 2008 | 4.62                              | 2.10       | 2.21  | 12.88                    | 26.97                            | 27.47            | 22.70                 | 25.98                       | 10.07             | 16.41              | 24.79   | 0.48         | 5.24                          | 11.95                                  | 2.03                     | 24.67                         | 20.36                    |
| 2009 | 5.72                              | 2.44       | 2.58  | 10.10                    | 17.40                            | 23.43            | 12.49                 | 19.16                       | 6.17              | 15.43              | 18.00   | 0.56         | 4.35                          | 9.37                                   | 2.25                     | 26.52                         | 16.99                    |
| 2010 | 6.22                              | 2.28       | 2.50  | 8.72                     | 21.11                            | 24.63            | 16.30                 | 22.67                       | 10.36             | 16.23              | 21.54   | 0.65         | 4.42                          | 9.85                                   | 2.19                     | 26.89                         | 18.11                    |
| 2011 | 6.56                              | 2.51       | 2.77  | 8.08                     | 27.38                            | 29.21            | 22.59                 | 28.76                       | 15.55             | 19.20              | 27.42   | 0.69         | 4.90                          | 11.91                                  | 2.47                     | 26.56                         | 20.43                    |
| 2012 | 6.66                              | 2.47       | 2.89  | 6.42                     | 27.95                            | 24.74            | 22.95                 | 29.64                       | 16.83             | 18.57              | 27.92   | 0.75         | 4.71                          | 12.04                                  | 2.32                     | 26.84                         | 20.49                    |
| 2013 | 5.28                              | 2.30       | 2.58  | 6.60                     | 27.98                            | 25.54            | 22.00                 | 28.79                       | 16.61             | 20.73              | 27.60   | 0.80         | 4.91                          | 11.63                                  | 2.30                     | 27.08                         | 19.88                    |
| 2014 | 4.39                              | 2.21       | 2.43  | 7.33                     | 27.12                            | R 28.61          | 20.90                 | 27.75                       | 15.91             | 22.96              | 27.02   | 0.77         | 5.20                          | 11.63                                  | 2.31                     | 28.62                         | 19.76                    |
| 2015 | 4.10                              | 2.17       | 2.40  | 5.80                     | 18.55                            | R 19.31          | 11.85                 | 19.78                       | 10.19             | 19.14              | 19.11   | 0.72         | 4.03                          | 9.08                                   | 1.95                     | 29.34                         | 16.56                    |
| 2016 | 3.59                              | 2.09       | 2.27  | 5.24                     | 15.78                            | R 18.46          | 9.75                  | 17.96                       | 7.30              | 16.32              | 16.94   | 0.68         | 3.34                          | 8.25                                   | 1.89                     | 28.95                         | 15.60                    |
| 2017 | 3.88                              | 1.96       | 2.19  | 6.20                     | 18.22                            | R 23.29          | 12.15                 | 19.60                       | 9.78              | 17.75              | 18.96   | 0.74         | 3.39                          | 9.21                                   | 1.94                     | 28.96                         | 16.70                    |
| 2018 | 4.25                              | 1.81       | 2.16  | 5.83                     | 21.83                            | R 24.90          | 15.82                 | 21.50                       | 11.03             | R 18.68            | 21.27   | 0.72         | R 3.72                        | 9.87                                   | 2.03                     | 29.24                         | R 17.43                  |
| 2019 | 5.01                              | 1.84       | 2.39  | 5.51                     | 20.81                            | R 20.17          | 14.64                 | 20.92                       | 10.99             | R 20.27            | R 20.60 | 0.67         | R 3.74                        | 9.82                                   | 1.86                     | 28.19                         | 16.96                    |
| 2020 | 4.70                              | 1.82       | 2.25  | R 5.09                   | 16.73                            | R 16.98          | 9.50                  | 17.11                       | 8.26              | R 17.25            | R 16.73 | 0.64         | 2.97                          | 8.12                                   | R 1.61                   | 27.79                         | R 15.29                  |
| 2021 | 4.13                              | 1.71       | 2.11  | 6.62                     | 22.44                            | 26.06            | 14.61                 | 24.12                       | 12.38             | 20.29              | 23.02   | 0.66         | 3.73                          | 10.90                                  | 2.24                     | 28.74                         | 18.49                    |

  

| Expenditures in Million Dollars |       |         |         |           |           |           |         |          |       |           |            |       |         |            |            |          |            |
|---------------------------------|-------|---------|---------|-----------|-----------|-----------|---------|----------|-------|-----------|------------|-------|---------|------------|------------|----------|------------|
| 1970                            | 146.6 | 414.6   | 561.2   | 769.2     | 224.5     | 56.3      | 24.4    | 1,637.3  | 17.6  | 248.5     | 2,208.5    | —     | 9.0     | 3,547.9    | -245.5     | 1,344.1  | 4,646.5    |
| 1975                            | 519.3 | 1,326.6 | 1,845.8 | 1,243.3   | 621.6     | 129.9     | 70.7    | 2,949.3  | 117.1 | 423.5     | 4,312.2    | —     | 11.5    | 7,412.8    | -1,046.9   | 2,773.5  | 9,139.4    |
| 1980                            | 549.5 | 1,837.5 | 2,387.0 | 2,887.6   | 1,828.0   | 886.1     | 259.2   | 5,623.4  | 122.1 | 909.0     | 9,627.7    | 6.4   | 41.7    | 14,950.5   | -1,729.9   | 4,904.7  | 18,125.3   |
| 1985                            | 287.8 | 2,092.0 | 2,379.8 | 3,944.8   | 1,637.3   | 985.4     | 245.3   | 5,225.9  | 33.6  | 890.6     | 9,018.0    | 22.6  | 51.1    | 15,457.5   | -1,919.3   | 7,080.8  | 20,619.0   |
| 1990                            | 239.0 | 1,953.0 | 2,192.0 | 3,391.3   | 1,699.6   | 429.3     | 343.5   | 5,425.5  | 20.1  | 935.6     | 8,853.6    | 140.0 | 51.7    | 14,710.6   | -1,919.5   | 8,321.6  | 21,112.7   |
| 1995                            | 117.2 | 1,856.7 | 1,973.8 | 4,071.5   | 1,666.8   | 436.2     | 256.2   | 5,623.3  | 12.7  | 906.6     | 8,901.8    | 176.8 | 56.9    | 15,180.9   | -1,923.1   | 9,828.7  | 23,086.5   |
| 2000                            | 73.3  | 2,018.8 | 2,092.2 | 5,601.4   | 2,915.0   | 549.6     | 695.0   | 7,651.9  | 22.4  | 1,226.8   | 13,060.8   | 81.1  | 84.4    | 20,919.8   | -2,075.2   | 10,498.9 | 29,343.5   |
| 2005                            | 175.1 | 2,236.5 | 2,411.5 | 9,518.5   | 5,236.5   | 882.9     | 1,366.6 | 11,663.5 | 58.5  | 1,341.2   | 20,549.2   | 57.3  | 91.9    | 32,631.3   | -2,493.4   | 11,248.4 | 41,386.2   |
| 2006                            | 235.9 | 2,410.2 | 2,646.1 | 9,104.8   | 6,071.8   | 891.0     | 1,534.9 | 13,120.9 | 63.0  | 1,796.3   | 23,477.9   | 67.9  | 94.9    | 35,441.6   | -2,636.4   | 11,734.5 | 44,539.7   |
| 2007                            | 238.7 | 2,450.8 | 2,689.5 | 9,136.1   | 6,787.3   | 759.0     | 1,638.5 | 14,506.4 | 40.5  | 1,932.3   | 25,663.8   | 67.5  | 106.3   | 37,685.8   | -2,765.7   | 12,692.2 | 47,612.3   |
| 2008                            | 295.5 | 2,886.7 | 3,182.1 | 10,170.1  | 8,377.1   | 827.8     | 2,316.9 | 16,128.4 | 77.3  | 2,301.8   | 30,029.4   | 87.3  | 140.1   | 43,608.9   | -3,138.1   | 13,261.6 | 53,732.5   |
| 2009                            | 314.7 | 2,957.8 | 3,272.5 | 7,411.8   | 4,844.8   | 780.2     | 902.4   | 11,754.6 | 27.0  | 1,658.9   | 19,967.9   | 89.4  | 99.2    | 30,841.0   | -3,111.4   | 13,076.6 | 40,806.2   |
| 2010                            | 483.2 | 2,909.3 | 3,392.6 | 6,742.5   | 6,259.4   | 900.5     | 532.0   | 13,890.7 | 41.0  | 1,394.6   | 23,018.1   | 107.1 | 129.1   | 33,389.4   | -3,229.0   | 13,976.9 | 44,137.3   |
| 2011                            | 501.1 | 2,881.3 | 3,382.4 | 6,576.7   | 8,190.5   | R 1,084.9 | 710.0   | 17,128.3 | 46.7  | 1,547.4   | R 28,707.8 | 106.8 | 146.0   | 38,919.7   | -3,389.7   | 13,856.1 | 49,386.1   |
| 2012                            | 675.7 | 2,264.9 | 2,940.6 | 5,388.4   | 8,053.2   | 764.4     | 613.0   | 17,592.0 | 20.6  | 1,558.5   | R 28,601.8 | 134.2 | 138.2   | 37,203.1   | -2,919.4   | 13,788.3 | 48,072.0   |
| 2013                            | 555.1 | 2,297.9 | 2,853.0 | 6,029.9   | 8,211.5   | R 864.7   | 586.0   | 17,284.6 | 53.1  | 1,729.1   | R 28,729.0 | 135.4 | 164.0   | R 37,911.3 | -3,037.0   | 13,715.0 | R 48,589.3 |
| 2014                            | 457.1 | 2,110.6 | 2,567.7 | 7,440.1   | 8,297.5   | R 1,026.2 | 609.3   | 16,645.5 | 35.0  | 1,793.3   | R 28,406.8 | 131.3 | 174.9   | R 38,720.8 | -2,981.1   | 14,538.3 | R 50,278.0 |
| 2015                            | 422.1 | 1,657.1 | 2,079.2 | 5,676.2   | 5,604.4   | R 621.9   | 375.2   | 12,100.5 | 27.4  | 1,641.6   | R 20,370.9 | 130.1 | 129.5   | R 28,385.8 | -2,256.5   | 14,759.0 | R 40,888.4 |
| 2016                            | 340.7 | 1,528.8 | 1,869.5 | 4,933.2   | 4,576.6   | R 618.2   | 337.4   | 11,067.6 | 27.9  | 1,426.0   | R 18,053.7 | 120.1 | 105.7   | R 25,082.3 | -2,144.7   | 14,699.8 | R 37,637.4 |
| 2017                            | 373.9 | 1,401.0 | 1,774.9 | 5,846.8   | 5,364.1   | R 785.8   | 376.0   | 12,068.7 | 25.1  | R 1,355.6 | R 19,975.3 | 136.4 | 105.4   | R 27,839.4 | -2,179.6   | 14,297.2 | R 39,957.0 |
| 2018                            | 431.6 | 1,117.1 | 1,548.7 | 6,776.8   | R 6,629.4 | R 879.3   | 571.8   | 13,121.7 | 26.6  | R 1,518.9 | R 22,747.7 | 137.6 | R 116.3 | R 31,330.2 | -2,353.6   | 15,073.6 | R 44,050.3 |
| 2019                            | 512.9 | 904.6   | 1,417.6 | 6,502.3   | 6,159.7   | R 788.6   | R 473.3 | 12,639.8 | 21.1  | R 1,538.8 | R 21,621.2 | 118.8 | R 116.3 | R 29,776.3 | -1,975.3   | 14,106.9 | R 41,907.9 |
| 2020                            | 390.7 | 859.9   | 1,250.7 | R 5,800.4 | 4,838.4   | R 631.4   | R 631.4 | 8,985.6  | 18.1  | R 1,334.7 | R 16,107.2 | 121.2 | R 87.7  | R 23,367.2 | R -1,726.7 | 13,344.7 | R 34,985.2 |
| 2021                            | 388.9 | 826.2   | 1,215.1 | 7,938.4   | 6,539.3   | 1,002.4   | 592.1   | 13,623.9 | 29.1  | 1,485.7   | 23,272.5   | 121.1 | 108.5   | 32,655.7   | -2,434.0   | 14,300.4 | 44,522.0   |

<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. Beginning in 2021, includes biodiesel and renewable diesel 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> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>h</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>i</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.  
<sup>j</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.  
<sup>k</sup> Electricity imports are included in total primary energy and electric power sector but are not shown separately.  
<sup>l</sup> Expenditures for fuels purchased for electric power generation, included in the expenditure columns for the primary energy sources, are shown as negative expenditures because they need to be removed from total energy expenditures, to avoid double-counting.  
<sup>m</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. 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.  
Note: 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>.  
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>

**Table ET2. Total End-Use Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year                              | Primary Energy |                          |                                  |                  |                       |                             |                   |           |                        |                    | Electricity <sup>k</sup> | Total Energy <sup>h,i,j</sup> |                               |
|-----------------------------------|----------------|--------------------------|----------------------------------|------------------|-----------------------|-----------------------------|-------------------|-----------|------------------------|--------------------|--------------------------|-------------------------------|-------------------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum                        |                  |                       |                             |                   | Biomass   | Total <sup>h,i,j</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> |                          |                               | Wood and Waste <sup>g,h</sup> |
| Prices in Dollars per Million Btu |                |                          |                                  |                  |                       |                             |                   |           |                        |                    |                          |                               |                               |
| 1970                              | 0.43           | 0.74                     | 1.14                             | 1.74             | 0.74                  | 2.93                        | 0.60              | 1.63      | 2.21                   | 1.18               | 1.18                     | 4.68                          | 1.50                          |
| 1975                              | 1.48           | 1.30                     | 2.54                             | 3.78             | 2.08                  | 4.73                        | 2.13              | 3.20      | 3.86                   | 1.44               | 2.41                     | 7.94                          | 3.06                          |
| 1980                              | 1.79           | 3.28                     | 6.46                             | 5.69             | 6.38                  | 9.45                        | 3.31              | 7.46      | 7.83                   | 2.26               | 5.22                     | 12.97                         | 6.23                          |
| 1985                              | 1.79           | 5.32                     | 7.70                             | 10.36            | 6.04                  | 9.15                        | 4.18              | 8.65      | 8.76                   | 2.39               | 6.51                     | 16.90                         | 8.25                          |
| 1990                              | 1.64           | 4.54                     | 7.79                             | 10.99            | 5.73                  | 9.35                        | 2.54              | 7.33      | 8.58                   | 2.32               | 6.17                     | 17.33                         | 8.27                          |
| 1995                              | 1.50           | 4.61                     | 7.18                             | 8.57             | 4.02                  | 9.30                        | 2.70              | 7.60      | 8.28                   | 1.52               | 6.13                     | 18.37                         | 8.55                          |
| 2000                              | 1.55           | 6.31                     | 10.32                            | 12.51            | 6.57                  | 12.13                       | 4.01              | 8.34      | 10.74                  | 1.68               | 8.35                     | 18.84                         | 10.42                         |
| 2005                              | 2.86           | 11.57                    | 16.86                            | 18.44            | 12.95                 | 18.02                       | 6.69              | 12.96     | 16.79                  | 4.19               | 14.02                    | 20.80                         | 15.39                         |
| 2006                              | 3.24           | 12.48                    | 19.00                            | 20.42            | 14.64                 | 20.35                       | 7.57              | 15.95     | 19.03                  | 4.24               | 15.76                    | 22.67                         | 17.14                         |
| 2007                              | 3.31           | 11.60                    | 20.33                            | 22.83            | 15.93                 | 22.73                       | 7.37              | 15.51     | 20.73                  | 4.49               | 16.36                    | 23.26                         | 17.77                         |
| 2008                              | 4.07           | 12.96                    | 27.04                            | 27.47            | 22.70                 | 25.98                       | 10.07             | 17.67     | 25.01                  | 5.63               | 19.25                    | 24.67                         | 20.36                         |
| 2009                              | 4.90           | 10.43                    | 17.45                            | 23.43            | 12.49                 | 19.16                       | 6.17              | 16.86     | 18.16                  | 4.67               | 14.53                    | 26.52                         | 16.99                         |
| 2010                              | 5.15           | 9.04                     | 21.15                            | 24.63            | 16.30                 | 22.67                       | 10.36             | 18.39     | 21.77                  | 4.75               | 15.73                    | 26.89                         | 18.11                         |
| 2011                              | 5.50           | 8.56                     | 27.44                            | 29.21            | 22.59                 | 28.76                       | 15.55             | 21.74     | 27.70                  | 5.26               | 18.74                    | 26.56                         | 20.43                         |
| 2012                              | 5.91           | 7.33                     | 28.00                            | 24.74            | 22.95                 | 29.64                       | 16.83             | 21.32     | 28.25                  | 5.36               | 18.71                    | 26.84                         | 20.49                         |
| 2013                              | 4.86           | 7.22                     | 28.02                            | 25.54            | 22.00                 | 28.79                       | 16.61             | 24.91     | 27.99                  | 5.57               | 18.00                    | 27.08                         | 19.88                         |
| 2014                              | 4.17           | 8.02                     | 27.16                            | R 28.61          | 20.90                 | 27.75                       | 15.91             | 26.86     | 27.33                  | 5.80               | 17.55                    | 28.62                         | 19.76                         |
| 2015                              | 3.99           | 6.82                     | 18.59                            | R 19.31          | 11.85                 | 19.78                       | 10.19             | 22.47     | 19.35                  | 4.40               | 13.29                    | 29.34                         | 16.56                         |
| 2016                              | 3.57           | 6.19                     | 15.82                            | R 18.46          | 9.75                  | 17.96                       | 7.30              | 18.79     | 17.14                  | 3.54               | 12.04                    | 28.95                         | 15.60                         |
| 2017                              | 3.91           | 7.20                     | 18.25                            | R 23.29          | 12.15                 | 19.60                       | 9.78              | 20.45     | 19.15                  | 3.66               | 13.51                    | 28.96                         | 16.70                         |
| 2018                              | 4.22           | 6.95                     | 21.87                            | R 24.90          | 15.82                 | 21.50                       | 11.03             | R 22.79   | 21.58                  | R 4.14             | 14.41                    | 29.24                         | R 17.43                       |
| 2019                              | 4.91           | 7.00                     | 20.84                            | R 20.17          | 14.64                 | 20.92                       | 10.99             | R 22.80   | 20.78                  | R 4.10             | 14.10                    | 28.19                         | 16.96                         |
| 2020                              | 4.63           | 6.80                     | 16.75                            | R 16.98          | 9.50                  | 17.11                       | 8.26              | R 21.02   | R 16.98                | R 11.97            | 27.79                    | R 15.29                       | 15.29                         |
| 2021                              | 4.13           | 8.23                     | 22.48                            | 26.06            | 14.61                 | 24.12                       | 12.38             | 24.49     | 23.33                  | 4.06               | 15.82                    | 28.74                         | 18.49                         |
| Expenditures in Million Dollars   |                |                          |                                  |                  |                       |                             |                   |           |                        |                    |                          |                               |                               |
| 1970                              | 330.7          | 760.6                    | 221.1                            | 56.3             | 24.4                  | 1,637.3                     | 14.6              | 248.5     | 2,202.1                | 9.0                | 3,302.4                  | 1,344.1                       | 4,646.5                       |
| 1975                              | 858.4          | 1,237.0                  | 588.1                            | 129.9            | 69.2                  | 2,949.3                     | 99.1              | 423.5     | 4,259.1                | 11.5               | 6,365.9                  | 2,773.5                       | 9,139.4                       |
| 1980                              | 745.6          | 2,873.9                  | 1,773.3                          | 886.1            | 259.2                 | 5,623.4                     | 108.5             | 909.0     | 9,559.4                | 41.7               | 13,220.6                 | 4,904.7                       | 18,125.3                      |
| 1985                              | 510.8          | 3,941.2                  | 1,619.2                          | 985.4            | 245.3                 | 5,225.9                     | 29.7              | 890.6     | 8,996.1                | 48.9               | 13,538.2                 | 7,080.8                       | 20,619.0                      |
| 1990                              | 432.6          | 3,388.1                  | 1,685.4                          | 429.3            | 343.5                 | 5,425.5                     | 17.5              | 935.6     | 8,836.7                | 51.7               | 12,791.1                 | 8,321.6                       | 21,112.7                      |
| 1995                              | 260.0          | 4,054.1                  | 1,652.2                          | 436.2            | 256.2                 | 5,623.3                     | 12.7              | 906.6     | 8,887.2                | 56.5               | 13,257.8                 | 9,828.7                       | 23,086.5                      |
| 2000                              | 179.9          | 5,551.3                  | 2,884.2                          | 549.6            | 695.0                 | 7,651.9                     | 22.1              | 1,226.8   | 13,029.7               | 83.7               | 18,844.6                 | 10,498.9                      | 29,343.5                      |
| 2005                              | 308.9          | 9,252.3                  | 5,182.7                          | 882.9            | 1,366.6               | 11,663.5                    | 58.5              | 1,333.0   | 20,487.3               | 89.4               | 30,137.9                 | 11,248.4                      | 41,386.2                      |
| 2006                              | 368.2          | 8,920.1                  | 6,032.1                          | 891.0            | 1,534.9               | 13,120.9                    | 63.0              | 1,782.6   | 23,424.5               | 92.4               | 32,805.2                 | 11,734.5                      | 44,539.7                      |
| 2007                              | 377.1          | 8,842.3                  | 6,732.0                          | 759.0            | 1,638.5               | 14,506.4                    | 40.5              | 1,920.6   | 25,597.0               | 103.8              | 34,920.1                 | 12,692.2                      | 47,612.3                      |
| 2008                              | 472.8          | 9,916.6                  | 8,314.3                          | 827.8            | 2,316.9               | 16,128.4                    | 77.3              | 2,285.9   | 29,950.7               | 130.7              | 40,470.9                 | 13,261.6                      | 53,732.5                      |
| 2009                              | 475.9          | 7,246.1                  | 4,809.2                          | 780.2            | 902.4                 | 11,754.6                    | 27.0              | 1,641.5   | 19,914.9               | 92.6               | 27,729.6                 | 13,076.6                      | 40,806.2                      |
| 2010                              | 641.9          | 6,451.1                  | 6,206.3                          | 900.5            | 532.0                 | 13,890.7                    | 41.0              | 1,377.5   | R 22,948.0             | 119.4              | 30,160.4                 | 13,976.9                      | 44,137.3                      |
| 2011                              | 658.8          | 6,148.4                  | 8,115.1                          | R 1,084.9        | 710.0                 | 17,128.3                    | 46.7              | 1,501.1   | R 28,586.2             | 136.6              | 35,530.0                 | 13,856.1                      | 49,386.1                      |
| 2012                              | 815.6          | 4,865.0                  | 7,984.6                          | 764.4            | 613.0                 | 17,592.0                    | 20.6              | 1,503.7   | 28,478.3               | 124.8              | 34,283.7                 | 13,788.3                      | 48,072.0                      |
| 2013                              | 686.1          | 5,393.2                  | 8,150.6                          | R 864.7          | 586.0                 | 17,284.6                    | 53.1              | 1,707.1   | R 28,646.1             | 149.0              | R 34,874.4               | 13,715.0                      | R 48,589.3                    |
| 2014                              | 586.0          | 6,684.9                  | 8,217.1                          | R 1,026.2        | 609.3                 | 16,645.5                    | 35.0              | 1,778.8   | R 28,311.9             | 156.9              | R 35,739.7               | 14,538.3                      | R 50,278.0                    |
| 2015                              | 524.1          | 5,172.3                  | 5,571.9                          | R 621.9          | 375.2                 | 12,100.5                    | 27.4              | 1,624.2   | R 20,321.1             | 111.8              | R 26,129.4               | 14,759.0                      | R 40,888.4                    |
| 2016                              | 405.4          | 4,431.6                  | 4,548.9                          | R 618.2          | 337.4                 | 11,067.6                    | 27.9              | 1,410.9   | R 18,011.0             | 89.6               | R 22,937.6               | 14,699.8                      | R 37,637.4                    |
| 2017                              | 430.9          | 5,209.9                  | 5,334.2                          | R 785.8          | 376.0                 | 12,068.7                    | 25.1              | R 1,339.5 | R 19,929.3             | 89.7               | R 25,659.8               | 14,297.2                      | R 39,957.0                    |
| 2018                              | 482.1          | 5,711.1                  | 6,587.4                          | R 879.3          | 571.8                 | 13,121.7                    | 26.6              | R 1,495.2 | R 22,682.0             | R 101.4            | R 28,976.7               | 15,073.6                      | R 44,050.3                    |
| 2019                              | 557.1          | 5,563.3                  | 6,132.0                          | R 788.6          | R 473.3               | 12,639.8                    | 21.1              | R 1,524.5 | R 21,579.3             | R 101.3            | R 27,801.0               | 14,106.9                      | R 41,907.9                    |
| 2020                              | 431.3          | 5,058.2                  | 4,824.0                          | R 631.4          | R 298.9               | 8,985.6                     | 18.1              | R 1,316.0 | R 16,074.0             | R 77.0             | R 21,640.6               | 13,344.7                      | R 34,985.2                    |
| 2021                              | 433.0          | 6,468.9                  | 6,509.2                          | 1,002.4          | 592.1                 | 13,623.9                    | 29.1              | 1,468.4   | 23,225.1               | 94.6               | 30,221.6                 | 14,300.4                      | 44,522.0                      |

<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. Beginning in 2021, includes biodiesel and renewable diesel 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> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>h</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>i</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<sup>j</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.  
<sup>k</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
 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>.  
 Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes.  
<http://www.eia.gov/state/seds/>

**Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year                              | Primary Energy    |                          |                     |                  |          |                   |                    | Electricity <sup>f</sup> | Total Energy <sup>e</sup> |           |
|-----------------------------------|-------------------|--------------------------|---------------------|------------------|----------|-------------------|--------------------|--------------------------|---------------------------|-----------|
|                                   | Coal <sup>a</sup> | Natural Gas <sup>b</sup> | Petroleum           |                  |          | Biomass           | Total <sup>e</sup> |                          |                           |           |
|                                   |                   |                          | Distillate Fuel Oil | HGL <sup>c</sup> | Kerosene | Wood <sup>d</sup> |                    |                          |                           |           |
| Prices in Dollars per Million Btu |                   |                          |                     |                  |          |                   |                    |                          |                           |           |
| 1970                              | 1.05              | 0.88                     | 1.41                | 2.11             | 1.42     | 1.53              | 0.57               | 0.98                     | 6.99                      | 1.68      |
| 1975                              | 2.62              | 1.47                     | 2.51                | 4.53             | 2.90     | 2.96              | 1.12               | 1.74                     | 10.93                     | 3.11      |
| 1980                              | 3.07              | 3.49                     | 6.63                | 7.66             | 8.07     | 6.94              | 2.87               | 3.91                     | 16.29                     | 6.33      |
| 1985                              | 3.00              | 5.79                     | 7.55                | 10.09            | 8.21     | 8.34              | 3.24               | 5.98                     | 22.49                     | 9.68      |
| 1990                              | 2.80              | 5.09                     | 7.43                | 12.05            | 8.54     | 9.08              | 3.56               | 5.52                     | 23.58                     | 10.10     |
| 1995                              | 2.64              | 5.26                     | 6.12                | 9.58             | 6.28     | 7.54              | 2.90               | 5.47                     | 25.20                     | 10.63     |
| 2000                              | 2.47              | 7.39                     | 9.25                | 13.23            | 9.22     | 11.44             | 4.41               | 7.80                     | 25.23                     | 12.69     |
| 2005                              | 3.83              | 12.46                    | 15.34               | 19.74            | 15.45    | 17.52             | 6.91               | 12.85                    | 24.93                     | 16.78     |
| 2006                              | 3.70              | 13.85                    | 17.13               | 21.73            | 19.59    | 19.80             | 7.96               | 14.33                    | 27.39                     | 18.94     |
| 2007                              | 3.63              | 12.99                    | 19.11               | 23.78            | 22.94    | 21.82             | 8.79               | 13.78                    | 28.05                     | 18.70     |
| 2008                              | —                 | 13.97                    | 24.13               | 28.39            | 23.36    | 26.64             | 10.83              | 15.11                    | 29.48                     | 19.94     |
| 2009                              | —                 | 12.18                    | 16.34               | 25.00            | 23.58    | 22.33             | 8.13               | 13.11                    | 31.27                     | 19.22     |
| 2010                              | —                 | 10.76                    | 20.36               | 25.03            | 25.05    | 23.57             | 9.60               | 11.92                    | 33.15                     | 19.55     |
| 2011                              | —                 | 10.45                    | 27.23               | 29.35            | 28.35    | 28.67             | 11.54              | 12.08                    | 33.48                     | 19.70     |
| 2012                              | —                 | 9.59                     | 27.14               | 26.73            | 29.74    | 26.90             | 12.85              | 11.02                    | 34.46                     | 19.99     |
| 2013                              | —                 | 9.12                     | 28.15               | 26.68            | 30.40    | 27.17             | 12.58              | 10.50                    | 35.20                     | 18.97     |
| 2014                              | —                 | 9.58                     | 27.28               | 30.87            | 32.79    | 29.83             | 12.27              | 11.09                    | 36.62                     | 19.38     |
| 2015                              | —                 | 8.89                     | 17.86               | 23.60            | 16.93    | 21.64             | 8.45               | 9.83                     | 37.51                     | 19.31     |
| 2016                              | —                 | 8.40                     | 15.46               | 23.60            | 13.50    | 21.01             | 7.22               | 9.40                     | 36.56                     | 19.44     |
| 2017                              | —                 | 9.06                     | 17.60               | 28.71            | 16.88    | 25.18             | 8.08               | 10.35                    | 37.00                     | 19.82     |
| 2018                              | —                 | 8.53                     | 19.20               | 29.23            | 26.01    | 26.09             | 8.94               | 9.91                     | 36.81                     | 19.14     |
| 2019                              | —                 | 8.98                     | 18.42               | 24.86            | 22.77    | 23.07             | 8.60               | 10.20                    | 36.28                     | 19.06     |
| 2020                              | —                 | 8.90                     | 15.53               | 21.15            | 14.79    | 19.47             | 7.11               | 9.72                     | 36.01                     | 19.11     |
| 2021                              | —                 | 10.32                    | 19.91               | 27.23            | 23.36    | 25.11             | 8.54               | 11.51                    | 37.42                     | 20.78     |
| Expenditures in Million Dollars   |                   |                          |                     |                  |          |                   |                    |                          |                           |           |
| 1970                              | 21.9              | 414.0                    | 76.5                | 31.0             | 24.1     | 131.6             | 1.9                | 569.4                    | 531.1                     | 1,100.5   |
| 1975                              | 19.9              | 643.4                    | 157.8               | 83.6             | 33.8     | 275.2             | 3.9                | 942.5                    | 1,039.7                   | 1,982.1   |
| 1980                              | 8.3               | 1,396.3                  | 286.8               | 74.2             | 46.5     | 407.5             | 25.2               | 1,837.3                  | 1,859.9                   | 3,697.2   |
| 1985                              | 13.5              | 1,978.7                  | 204.2               | 127.5            | 43.8     | 375.6             | 29.7               | 2,397.5                  | 2,604.3                   | 5,001.8   |
| 1990                              | 8.8               | 1,632.3                  | 205.1               | 191.9            | 30.2     | 427.2             | 35.1               | 2,103.5                  | 3,049.0                   | 5,152.4   |
| 1995                              | 3.4               | 1,954.1                  | 142.5               | 180.5            | 26.7     | 349.7             | 15.4               | 2,322.5                  | 3,784.4                   | 6,107.0   |
| 2000                              | 1.4               | 2,648.2                  | 161.4               | 324.0            | 21.9     | 507.3             | 15.5               | 3,172.4                  | 4,002.2                   | 7,174.6   |
| 2005                              | 2.4               | 4,195.1                  | 255.2               | 369.1            | 38.7     | 663.0             | 45.7               | 4,906.2                  | 4,585.5                   | 9,491.7   |
| 2006                              | 0.9               | 3,917.8                  | 218.5               | 385.7            | 40.5     | 644.6             | 46.7               | 4,610.1                  | 4,800.8                   | 9,410.8   |
| 2007                              | 1.2               | 4,035.3                  | 277.9               | 459.9            | 31.6     | 769.4             | 57.0               | 4,863.0                  | 5,204.0                   | 10,066.9  |
| 2008                              | —                 | 4,453.9                  | 320.6               | 577.5            | 16.0     | 914.2             | 78.6               | 5,446.7                  | 5,371.4                   | 10,818.1  |
| 2009                              | —                 | 3,708.0                  | 169.7               | 569.3            | 27.8     | 766.7             | 54.6               | 4,529.3                  | 5,484.4                   | 10,013.8  |
| 2010                              | —                 | 3,157.6                  | 195.7               | 503.6            | 24.4     | 723.8             | 69.0               | 3,950.4                  | 6,162.0                   | 10,112.4  |
| 2011                              | —                 | 3,084.5                  | 245.6               | 573.4            | 19.0     | 838.0             | 80.5               | 4,003.0                  | 6,133.4                   | 10,136.4  |
| 2012                              | —                 | 2,486.1                  | 200.5               | 405.3            | 7.6      | 613.4             | 74.9               | 3,174.4                  | 6,148.5                   | 9,322.9   |
| 2013                              | —                 | 2,813.0                  | 212.6               | 446.5            | 7.6      | 666.7             | 95.7               | 3,575.5                  | 6,264.3                   | 9,839.8   |
| 2014                              | —                 | 3,257.0                  | 220.4               | 563.6            | 17.6     | 801.6             | 94.5               | 4,153.0                  | 6,598.2                   | 10,751.2  |
| 2015                              | —                 | 2,713.3                  | 146.1               | 390.9            | 5.7      | 542.6             | 57.7               | 3,313.6                  | 6,590.6                   | 9,904.1   |
| 2016                              | —                 | 2,310.1                  | 112.9               | 398.4            | 5.7      | 517.0             | 43.1               | 2,870.2                  | 6,551.2                   | 9,421.4   |
| 2017                              | —                 | 2,514.6                  | 135.8               | 493.4            | 4.2      | 633.4             | 46.0               | 3,193.9                  | 6,287.0                   | 9,481.0   |
| 2018                              | —                 | 2,741.2                  | 165.3               | 552.7            | 7.0      | 725.0             | 61.0               | 3,527.3                  | 6,839.8                   | 10,367.1  |
| 2019                              | —                 | 2,779.0                  | 152.9               | 535.1            | 6.5      | 694.6             | 57.9               | 3,531.4                  | 6,464.5                   | 9,995.9   |
| 2020                              | —                 | 2,590.9                  | 115.0               | 389.4            | 5.1      | 509.5             | R 40.7             | 3,141.1                  | 6,457.2                   | R 9,598.2 |
| 2021                              | —                 | 3,021.3                  | 152.7               | 518.2            | 6.7      | 677.6             | 52.2               | 3,751.0                  | 6,789.2                   | 10,540.2  |

<sup>a</sup> Beginning in 2008, consumption 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 are no direct fuel costs for geothermal or solar energy.  
<sup>f</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy

service providers.  
 Where shown, R = Revised data, — = No consumption, and (s) = Value less than 0.05 million dollars.  
 Note: 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>.  
 Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes.  
<http://www.eia.gov/state/seds/>

**Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year                              | Primary Energy |                          |                     |                  |          |                             |                   |         |                        |                               | Electricity <sup>i</sup> | Total Energy <sup>f,g,h</sup> |
|-----------------------------------|----------------|--------------------------|---------------------|------------------|----------|-----------------------------|-------------------|---------|------------------------|-------------------------------|--------------------------|-------------------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum           |                  |          |                             |                   | Biomass | Total <sup>f,g,h</sup> |                               |                          |                               |
|                                   |                |                          | Distillate Fuel Oil | HGL <sup>b</sup> | Kerosene | Motor Gasoline <sup>c</sup> | Residual Fuel Oil |         |                        | Wood and Waste <sup>e,f</sup> |                          |                               |
| Prices in Dollars per Million Btu |                |                          |                     |                  |          |                             |                   |         |                        |                               |                          |                               |
| 1970                              | 0.40           | 0.75                     | 1.20                | 1.37             | 0.84     | 2.93                        | 0.69              | 1.26    | 0.57                   | 0.77                          | 6.33                     | 1.91                          |
| 1975                              | 1.31           | 1.31                     | 2.33                | 2.74             | 2.48     | 4.73                        | 2.20              | 2.73    | 1.12                   | 1.51                          | 10.10                    | 3.53                          |
| 1980                              | 1.34           | 3.26                     | 6.28                | 5.11             | 6.01     | 9.45                        | 3.58              | 7.10    | 2.87                   | 3.73                          | 15.71                    | 7.02                          |
| 1985                              | 1.49           | 5.34                     | 6.12                | 9.29             | 8.21     | 9.15                        | 4.18              | 7.15    | 3.24                   | 5.21                          | 20.91                    | 10.67                         |
| 1990                              | 1.44           | 4.50                     | 5.53                | 9.28             | 8.54     | 9.35                        | 2.54              | 7.22    | 3.45                   | 4.59                          | 21.31                    | 11.15                         |
| 1995                              | 1.44           | 4.74                     | 4.30                | 7.70             | 6.28     | 9.30                        | 2.69              | 5.81    | 2.76                   | 4.68                          | 22.04                    | 11.57                         |
| 2000                              | 1.47           | 6.73                     | 7.12                | 10.95            | 9.22     | 12.13                       | —                 | 8.94    | 2.99                   | 6.78                          | 21.93                    | 13.16                         |
| 2005                              | 2.34           | 11.18                    | 13.60               | 16.28            | 15.45    | 18.02                       | 6.69              | 14.61   | 6.58                   | 11.09                         | 23.24                    | 16.53                         |
| 2006                              | 2.59           | 12.35                    | 15.61               | 18.03            | 19.59    | 20.35                       | 7.57              | 16.93   | 7.96                   | 12.58                         | 24.73                    | 18.40                         |
| 2007                              | 2.73           | 11.32                    | 17.28               | 19.47            | 22.94    | 22.73                       | 7.37              | 18.69   | 6.23                   | 11.79                         | 25.42                    | 18.14                         |
| 2008                              | 4.83           | 12.28                    | 23.62               | 23.19            | 25.98    | 23.36                       | 10.07             | 23.74   | 10.83                  | 13.04                         | 27.06                    | 19.32                         |
| 2009                              | 5.22           | 10.01                    | 14.18               | 18.55            | 23.58    | 19.16                       | 6.17              | 15.56   | 8.13                   | 10.43                         | 28.30                    | 18.35                         |
| 2010                              | 4.35           | 8.94                     | 17.93               | 19.51            | 25.05    | 22.67                       | 10.36             | 18.63   | 9.60                   | 9.80                          | 28.52                    | 18.37                         |
| 2011                              | 4.61           | 8.29                     | 24.22               | 22.83            | 28.35    | 28.76                       | 15.55             | 24.04   | 11.54                  | 9.67                          | 28.21                    | 18.16                         |
| 2012                              | 4.97           | 6.88                     | 24.74               | 16.80            | 29.74    | 29.64                       | 16.83             | 23.61   | 12.85                  | 8.60                          | 27.76                    | 17.80                         |
| 2013                              | 4.70           | 5.99                     | 24.50               | 17.90            | 30.40    | 28.79                       | —                 | 23.26   | 12.58                  | 7.50                          | 27.40                    | 16.41                         |
| 2014                              | 4.34           | 7.38                     | 22.64               | 20.15            | 32.79    | 27.75                       | —                 | 22.24   | 11.21                  | 8.43                          | 28.80                    | 17.15                         |
| 2015                              | 4.29           | 6.05                     | 13.35               | 11.28            | 16.93    | 19.78                       | —                 | 16.39   | 6.65                   | 7.52                          | 29.50                    | 16.99                         |
| 2016                              | 4.20           | 5.34                     | 11.28               | 10.49            | 13.50    | 17.96                       | —                 | 14.51   | 6.58                   | 6.78                          | 29.23                    | 16.94                         |
| 2017                              | 5.83           | 5.69                     | 13.62               | 14.07            | 16.88    | 19.60                       | —                 | 16.64   | 7.27                   | 7.42                          | 29.46                    | 17.10                         |
| 2018                              | —              | 5.55                     | 17.02               | 14.59            | 26.01    | 21.50                       | —                 | 18.89   | 8.06                   | 7.49                          | 29.62                    | 16.73                         |
| 2019                              | —              | 5.60                     | 15.66               | 11.62            | 22.77    | 20.92                       | —                 | 17.62   | 7.91                   | 7.39                          | 28.47                    | 16.09                         |
| 2020                              | —              | 5.26                     | 10.58               | 10.74            | 14.79    | 17.11                       | —                 | 13.66   | 6.59                   | 6.65                          | 27.92                    | 15.45                         |
| 2021                              | —              | 6.18                     | 16.85               | 18.22            | 23.36    | 24.12                       | —                 | 20.57   | 7.94                   | 8.44                          | 28.57                    | 16.78                         |

  

| Expenditures in Million Dollars |      |         |       |       |      |       |      |       |      |         |         |         |
|---------------------------------|------|---------|-------|-------|------|-------|------|-------|------|---------|---------|---------|
| 1970                            | 6.5  | 140.0   | 13.0  | 3.9   | 0.7  | 6.2   | 3.6  | 27.4  | (s)  | 173.9   | 368.9   | 542.8   |
| 1975                            | 23.2 | 227.6   | 29.0  | 9.8   | 1.5  | 23.7  | 20.1 | 84.2  | 0.1  | 335.0   | 690.8   | 1,025.8 |
| 1980                            | 13.7 | 551.1   | 94.8  | 9.6   | 4.4  | 102.2 | 8.5  | 219.5 | 0.6  | 784.9   | 1,250.1 | 2,035.0 |
| 1985                            | 23.7 | 799.0   | 75.3  | 22.7  | 20.5 | 29.0  | 2.2  | 149.7 | 0.7  | 973.3   | 2,081.8 | 3,055.2 |
| 1990                            | 18.2 | 671.2   | 61.9  | 28.6  | 9.2  | 52.0  | 0.4  | 152.0 | 3.9  | 846.0   | 2,533.6 | 3,379.7 |
| 1995                            | 12.5 | 862.0   | 42.8  | 28.1  | 3.2  | 21.2  | 0.1  | 95.3  | 2.2  | 971.9   | 3,014.8 | 3,986.7 |
| 2000                            | 6.8  | 1,247.2 | 72.1  | 51.9  | 6.9  | 33.1  | —    | 164.0 | 3.4  | 1,421.4 | 3,339.1 | 4,760.5 |
| 2005                            | 17.3 | 1,945.3 | 100.5 | 67.3  | 19.6 | 25.7  | 4.6  | 217.7 | 7.6  | 2,187.8 | 3,716.3 | 5,904.2 |
| 2006                            | 6.2  | 1,885.1 | 138.9 | 47.8  | 17.8 | 47.9  | 1.3  | 253.9 | 7.8  | 2,153.1 | 3,893.0 | 6,046.1 |
| 2007                            | 8.4  | 1,885.2 | 176.5 | 71.7  | 10.9 | 53.5  | (s)  | 312.7 | 11.1 | 2,217.4 | 4,174.9 | 6,392.3 |
| 2008                            | 31.2 | 2,133.5 | 266.7 | 93.9  | 5.5  | 50.4  | 0.5  | 417.0 | 12.0 | 2,593.6 | 4,367.4 | 6,961.0 |
| 2009                            | 30.5 | 1,673.6 | 201.4 | 77.5  | 3.8  | 31.2  | (s)  | 313.9 | 7.7  | 2,025.7 | 4,380.3 | 6,405.9 |
| 2010                            | 26.2 | 1,446.8 | 252.1 | 75.1  | 3.8  | 31.9  | 0.4  | 363.2 | 9.0  | 1,845.1 | 4,528.1 | 6,373.3 |
| 2011                            | 23.7 | 1,380.0 | 320.7 | 88.4  | 2.0  | 14.3  | 0.5  | 426.0 | 10.4 | 1,840.1 | 4,534.9 | 6,375.0 |
| 2012                            | 17.4 | 1,034.4 | 359.1 | 48.5  | 1.1  | 14.8  | (s)  | 423.5 | 10.1 | 1,485.4 | 4,428.6 | 5,914.0 |
| 2013                            | 18.2 | 1,044.7 | 318.9 | 64.0  | 0.8  | 14.8  | —    | 398.6 | 11.5 | 1,473.1 | 4,367.5 | 5,840.6 |
| 2014                            | 15.3 | 1,431.9 | 258.4 | 75.1  | 1.7  | 13.6  | —    | 348.8 | 11.9 | 1,807.9 | 4,618.3 | 6,426.2 |
| 2015                            | 9.4  | 1,079.6 | 157.7 | 35.9  | 0.6  | 303.6 | —    | 497.8 | 8.9  | 1,595.8 | 4,743.2 | 6,339.0 |
| 2016                            | 5.1  | 875.2   | 133.7 | 37.9  | 1.0  | 275.7 | —    | 448.2 | 7.7  | 1,336.2 | 4,762.1 | 6,098.2 |
| 2017                            | 0.1  | 959.1   | 163.9 | 53.9  | 0.6  | 305.5 | —    | 523.9 | 8.5  | 1,491.7 | 4,640.0 | 6,131.7 |
| 2018                            | —    | 1,059.6 | 209.4 | 62.9  | 1.2  | 340.3 | —    | 613.7 | 9.2  | 1,682.6 | 4,768.8 | 6,451.4 |
| 2019                            | —    | 1,059.2 | 193.6 | 55.3  | 1.2  | 333.4 | —    | 583.6 | 8.5  | 1,651.3 | 4,469.9 | 6,121.2 |
| 2020                            | —    | 912.2   | 133.1 | 61.8  | 0.7  | 274.8 | —    | 470.4 | 7.4  | 1,390.0 | 4,116.1 | 5,506.1 |
| 2021                            | —    | 1,125.1 | 199.3 | 106.2 | 1.0  | 390.6 | —    | 697.1 | 9.4  | 1,831.7 | 4,385.4 | 6,217.1 |

<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 the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.  
<sup>d</sup> Includes small amounts of petroleum coke not shown separately.  
<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 the use of wood and biomass waste beginning in 1989.  
<sup>g</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.  
<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> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
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: Expenditure totals may not equal sum of components due to independent rounding. The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants.  
Web Page: All data are available at <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 ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year                              | Primary Energy |            |       |                          |                     |                  |                             |                   |                    |         |                               |                        | Electricity <sup>i</sup> | Total Energy <sup>f,g,h</sup> |
|-----------------------------------|----------------|------------|-------|--------------------------|---------------------|------------------|-----------------------------|-------------------|--------------------|---------|-------------------------------|------------------------|--------------------------|-------------------------------|
|                                   | Coal           |            |       | Natural Gas <sup>a</sup> | Petroleum           |                  |                             |                   |                    |         | Biomass                       | Total <sup>f,g,h</sup> |                          |                               |
|                                   | Coking Coal    | Steam Coal | Total |                          | Distillate Fuel Oil | HGL <sup>b</sup> | Motor Gasoline <sup>c</sup> | Residual Fuel Oil | Other <sup>d</sup> | Total   | Wood and Waste <sup>e,f</sup> |                        |                          |                               |
| Prices in Dollars per Million Btu |                |            |       |                          |                     |                  |                             |                   |                    |         |                               |                        |                          |                               |
| 1970                              | 0.42           | 0.40       | 0.41  | 0.57                     | 0.77                | 1.44             | 2.93                        | 0.55              | 1.44               | 1.26    | 1.69                          | 0.60                   | 2.90                     | 0.84                          |
| 1975                              | 1.57           | 1.31       | 1.47  | 1.08                     | 2.31                | 2.98             | 4.73                        | 2.17              | 2.84               | 2.66    | 1.69                          | 1.59                   | 5.61                     | 2.16                          |
| 1980                              | 2.00           | 1.34       | 1.79  | 3.01                     | 5.45                | 5.56             | 9.45                        | 3.31              | 6.83               | 5.80    | 1.67                          | 3.46                   | 9.73                     | 4.37                          |
| 1985                              | 2.05           | 1.49       | 1.78  | 4.66                     | 6.39                | 10.43            | 9.15                        | 4.18              | 7.79               | 8.41    | 1.67                          | 4.68                   | 11.75                    | 6.20                          |
| 1990                              | 1.80           | 1.44       | 1.63  | 3.92                     | 6.14                | 10.33            | 9.35                        | 2.54              | 6.22               | 6.59    | 1.12                          | 3.75                   | 11.81                    | 5.72                          |
| 1995                              | 1.57           | 1.44       | 1.50  | 3.79                     | 4.76                | 7.83             | 9.30                        | 2.69              | 6.51               | 6.38    | 1.26                          | 3.80                   | 12.21                    | 6.00                          |
| 2000                              | 1.66           | 1.47       | 1.55  | 4.93                     | 8.15                | 11.65            | 12.13                       | 4.02              | 7.29               | 7.76    | 1.44                          | 4.92                   | 12.82                    | 7.03                          |
| 2005                              | 3.41           | 2.34       | 2.89  | 10.75                    | 14.62               | 17.63            | 18.02                       | 6.69              | 10.96              | 12.96   | 2.66                          | 9.84                   | 14.96                    | 11.15                         |
| 2006                              | 3.77           | 2.59       | 3.25  | 11.16                    | 16.69               | 19.50            | 20.35                       | 7.57              | 13.66              | 15.18   | 2.53                          | 10.66                  | 16.43                    | 12.05                         |
| 2007                              | 3.77           | 2.73       | 3.33  | 10.25                    | 18.57               | 21.94            | 22.73                       | 7.37              | 13.11              | 15.06   | 2.41                          | 10.15                  | 16.89                    | 11.85                         |
| 2008                              | 4.62           | 3.19       | 4.02  | 12.22                    | 25.41               | 26.23            | 25.98                       | 10.07             | 15.34              | 17.92   | 2.70                          | 12.16                  | 18.16                    | 13.68                         |
| 2009                              | 5.72           | 3.61       | 4.88  | 8.36                     | 15.23               | 20.33            | 19.16                       | 6.17              | 13.88              | 14.49   | 2.49                          | 9.33                   | 19.70                    | 12.03                         |
| 2010                              | 6.22           | 3.23       | 5.19  | 7.15                     | 18.82               | 25.53            | 22.67                       | 10.36             | 14.78              | 17.27   | 2.43                          | 9.00                   | 18.75                    | 11.46                         |
| 2011                              | 6.56           | 3.50       | 5.54  | 6.56                     | 25.38               | 30.83            | 28.76                       | 15.55             | 17.33              | 21.70   | 2.53                          | 9.68                   | 17.93                    | 11.82                         |
| 2012                              | 6.66           | 3.70       | 5.93  | 5.30                     | 25.58               | 24.19            | 29.64                       | 16.83             | 17.26              | 21.17   | 2.39                          | 9.03                   | 18.27                    | 11.34                         |
| 2013                              | 5.28           | 3.51       | 4.87  | 5.81                     | 24.98               | R 26.18          | 28.79                       | 16.61             | 21.07              | 23.14   | 2.29                          | 9.35                   | 18.23                    | 11.47                         |
| 2014                              | 4.39           | 3.47       | 4.17  | 6.66                     | 23.37               | R 27.92          | 27.75                       | 15.92             | 22.85              | R 23.69 | 2.76                          | 9.45                   | 19.84                    | 11.80                         |
| 2015                              | 4.10           | 3.54       | 3.98  | 5.00                     | 15.00               | R 15.64          | 19.78                       | 10.25             | 18.47              | 17.11   | 2.62                          | 7.44                   | 20.57                    | 10.51                         |
| 2016                              | 3.59           | 3.45       | 3.57  | 4.48                     | 12.07               | R 13.95          | 17.96                       | 7.30              | 15.07              | R 14.11 | 2.14                          | 6.50                   | 20.45                    | 9.80                          |
| 2017                              | 3.88           | 4.12       | 3.91  | 6.25                     | 14.59               | R 18.73          | 19.60                       | 9.78              | 16.49              | 16.21   | 1.99                          | 7.89                   | 20.27                    | 10.87                         |
| 2018                              | 4.25           | 4.01       | 4.22  | 6.16                     | 17.71               | R 21.83          | 21.50                       | 11.09             | R 18.79            | R 18.79 | R 1.88                        | R 8.34                 | 20.55                    | 11.17                         |
| 2019                              | 5.01           | 3.95       | 4.91  | 5.82                     | 16.69               | R 15.34          | 20.92                       | 11.30             | R 18.91            | R 17.96 | R 2.07                        | R 8.08                 | 19.20                    | R 10.68                       |
| 2020                              | 4.70           | 4.06       | 4.63  | 5.54                     | 12.30               | R 13.76          | 17.11                       | 8.36              | R 17.26            | R 15.16 | R 1.73                        | R 7.48                 | 18.05                    | R 9.94                        |
| 2021                              | 4.13           | 4.06       | 4.13  | 7.45                     | 17.38               | 27.79            | 24.12                       | 12.50             | 20.25              | 20.38   | 2.06                          | 9.34                   | 19.21                    | 11.61                         |

  

| Year | Expenditures in Million Dollars |            |       |                          |                     |                  |                             |                   |                    |           |                               |                        |                          |                               |
|------|---------------------------------|------------|-------|--------------------------|---------------------|------------------|-----------------------------|-------------------|--------------------|-----------|-------------------------------|------------------------|--------------------------|-------------------------------|
|      | Coking Coal                     | Steam Coal | Total | Natural Gas <sup>a</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>e,f</sup> | Total <sup>f,g,h</sup> | Electricity <sup>i</sup> | Total Energy <sup>f,g,h</sup> |
| 1970 | 146.6                           | 155.3      | 301.9 | 206.6                    | 50.5                | 20.7             | 29.7                        | 7.9               | 177.6              | 286.3     | 7.1                           | 801.8                  | 443.4                    | 1,245.2                       |
| 1975 | 519.3                           | 296.0      | 815.2 | 366.0                    | 149.7               | 34.7             | 37.7                        | 73.0              | 306.0              | 601.1     | 7.5                           | 1,789.8                | 1,042.0                  | 2,831.7                       |
| 1980 | 549.5                           | 174.1      | 723.6 | 926.5                    | 396.8               | 797.9            | 57.3                        | 95.1              | 712.4              | 2,059.5   | 15.8                          | 3,725.5                | 1,792.6                  | 5,518.1                       |
| 1985 | 287.8                           | 185.8      | 473.5 | 1,163.5                  | 257.8               | 819.7            | 51.6                        | 27.5              | 666.6              | 1,823.3   | 18.6                          | 3,479.3                | 2,391.2                  | 5,870.5                       |
| 1990 | 239.0                           | 166.5      | 405.5 | 1,084.4                  | 213.5               | 193.1            | 47.8                        | 17.0              | 702.5              | 1,174.0   | 12.6                          | 2,677.3                | 2,736.5                  | 5,413.8                       |
| 1995 | 117.2                           | 126.9      | 244.1 | 1,237.3                  | 161.9               | 214.9            | 58.1                        | 11.7              | 683.3              | 1,129.8   | 38.9                          | 2,650.1                | 3,026.6                  | 5,676.7                       |
| 2000 | 73.3                            | 98.3       | 171.7 | 1,653.3                  | 230.6               | 164.8            | 44.6                        | 21.9              | 976.8              | 1,438.7   | 64.8                          | 3,328.5                | 3,154.7                  | 6,483.2                       |
| 2005 | 175.1                           | 114.2      | 289.2 | 3,105.5                  | 511.4               | 423.8            | 219.7                       | 53.9              | 996.5              | 2,205.2   | 36.1                          | 5,636.0                | 2,942.2                  | 8,578.2                       |
| 2006 | 235.9                           | 125.2      | 361.1 | 3,111.1                  | 575.0               | 433.5            | 257.4                       | 61.7              | 1,361.7            | 2,689.3   | 37.9                          | 6,199.4                | 3,036.3                  | 9,235.7                       |
| 2007 | 238.7                           | 128.8      | 367.4 | 2,919.1                  | 631.4               | 207.5            | 225.8                       | 40.3              | 1,478.0            | 2,582.9   | 35.7                          | 5,905.2                | 3,308.6                  | 9,213.7                       |
| 2008 | 295.5                           | 146.2      | 441.7 | 3,327.2                  | 928.8               | 109.7            | 203.9                       | 76.8              | 1,846.6            | 3,165.8   | 40.2                          | 6,974.8                | 3,517.7                  | 10,492.5                      |
| 2009 | 314.7                           | 130.8      | 445.5 | 1,863.9                  | 464.2               | 109.3            | 145.4                       | 26.9              | 1,229.4            | 1,975.2   | 30.3                          | 4,314.9                | 3,207.7                  | 7,522.6                       |
| 2010 | 483.2                           | 132.5      | 615.7 | 1,846.1                  | 655.0               | 317.5            | 161.1                       | 40.6              | 994.4              | R 2,168.5 | 41.4                          | 4,671.8                | 3,283.7                  | R 7,955.4                     |
| 2011 | 501.1                           | 134.0      | 635.1 | 1,683.1                  | 761.3               | R 418.3          | 228.6                       | 46.2              | 1,076.1            | R 2,530.5 | 45.7                          | 4,894.5                | 3,185.6                  | 8,080.1                       |
| 2012 | 675.7                           | 122.5      | 798.2 | 1,343.6                  | 886.8               | 307.8            | 235.6                       | 20.6              | 1,115.6            | R 2,566.4 | 39.7                          | 4,748.0                | 3,208.8                  | R 7,956.7                     |
| 2013 | 555.1                           | 112.7      | 667.8 | 1,530.4                  | 855.7               | R 350.0          | 234.8                       | 53.1              | 1,316.0            | R 2,809.6 | 41.8                          | R 5,049.6              | 3,080.3                  | R 8,129.9                     |
| 2014 | 457.1                           | 113.5      | 570.6 | 1,988.5                  | 872.8               | R 381.9          | 141.1                       | 35.0              | 1,363.5            | R 2,794.2 | 50.6                          | R 5,403.9              | 3,318.2                  | R 8,722.1                     |
| 2015 | 422.1                           | 92.6       | 514.7 | 1,372.4                  | 531.3               | R 190.5          | 158.7                       | 27.1              | 1,211.8            | R 2,119.4 | 45.2                          | R 4,051.8              | 3,422.2                  | R 7,474.0                     |
| 2016 | 340.7                           | 59.6       | 400.3 | 1,235.4                  | 409.2               | R 176.5          | 142.5                       | 27.9              | 1,036.0            | R 1,792.1 | 38.8                          | R 3,466.6              | 3,383.3                  | R 6,849.9                     |
| 2017 | 373.9                           | 56.9       | 430.8 | 1,729.0                  | 534.6               | R 235.9          | 157.3                       | 25.1              | R 985.1            | R 1,937.9 | 35.1                          | R 4,132.8              | 3,367.2                  | R 7,500.0                     |
| 2018 | 431.6                           | 50.4       | 482.1 | 1,903.8                  | 659.8               | R 258.7          | 176.1                       | 26.2              | R 1,128.6          | R 2,249.4 | R 31.2                        | R 4,666.5              | 3,462.4                  | R 8,128.8                     |
| 2019 | 512.9                           | 44.1       | 557.1 | 1,718.2                  | 510.1               | R 186.9          | 169.0                       | 20.0              | R 1,162.5          | R 2,048.5 | R 34.9                        | R 4,358.8              | 3,170.0                  | R 7,528.8                     |
| 2020 | 390.7                           | 40.6       | 431.3 | 1,540.4                  | 450.1               | R 175.8          | 139.1                       | 17.7              | R 997.0            | R 1,779.9 | R 28.9                        | R 3,780.6              | 2,769.0                  | R 6,549.6                     |
| 2021 | 388.9                           | 44.1       | 433.0 | 2,310.0                  | 599.0               | 369.0            | 194.3                       | 28.5              | 1,115.6            | 2,306.4   | 33.0                          | 5,082.4                | 3,123.0                  | 8,205.4                       |

<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 the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption 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> 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 the use of wood and biomass waste beginning in 1989.  
<sup>g</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<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> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
 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: Expenditure totals may not equal sum of components due to independent rounding. The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.  
 Web Page: All data are available at <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 ET6. Transportation Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio**

| Year                              | Primary Energy |                          |                   |                                  |                  |                       |            |                             |                   |       | Total <sup>f</sup> | Electricity <sup>g</sup> | Total Energy <sup>f</sup> |
|-----------------------------------|----------------|--------------------------|-------------------|----------------------------------|------------------|-----------------------|------------|-----------------------------|-------------------|-------|--------------------|--------------------------|---------------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum         |                                  |                  |                       |            |                             |                   | Total |                    |                          |                           |
|                                   |                |                          | 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 |       |                    |                          |                           |
| Prices in Dollars per Million Btu |                |                          |                   |                                  |                  |                       |            |                             |                   |       |                    |                          |                           |
| 1970                              | 0.40           | —                        | 2.17              | 1.26                             | 1.37             | 0.74                  | 5.08       | 2.93                        | 0.64              | 2.66  | 2.66               | 4.05                     | 2.66                      |
| 1975                              | 1.31           | —                        | 3.45              | 2.76                             | 2.74             | 2.08                  | 7.48       | 4.73                        | 1.61              | 4.38  | 4.38               | 7.63                     | 4.39                      |
| 1980                              | —              | —                        | 9.02              | 6.95                             | 5.11             | 6.38                  | 14.36      | 9.45                        | 3.02              | 8.87  | 8.87               | 13.51                    | 8.87                      |
| 1985                              | —              | —                        | 9.99              | 8.28                             | 10.60            | 6.04                  | 18.18      | 9.15                        | —                 | 8.93  | 8.93               | 22.10                    | 8.93                      |
| 1990                              | —              | 3.04                     | 9.32              | 8.44                             | 11.44            | 5.73                  | 20.61      | 9.35                        | 2.70              | 9.04  | 9.04               | 16.45                    | 9.04                      |
| 1995                              | —              | 4.27                     | 8.36              | 8.01                             | 12.90            | 4.02                  | 21.75      | 9.30                        | 2.72              | 8.77  | 8.77               | 17.14                    | 8.77                      |
| 2000                              | —              | 5.45                     | 10.87             | 10.83                            | 16.13            | 6.57                  | 23.20      | 12.13                       | 3.23              | 11.32 | 11.32              | 16.01                    | 11.32                     |
| 2005                              | —              | 13.90                    | 18.56             | 17.37                            | 22.10            | 12.95                 | 35.22      | 18.02                       | —                 | 17.45 | 17.45              | 26.46                    | 17.45                     |
| 2006                              | —              | 14.41                    | 22.31             | 19.51                            | 23.85            | 14.64                 | 43.88      | 20.35                       | 7.46              | 19.72 | 19.71              | 29.69                    | 19.72                     |
| 2007                              | —              | 8.15                     | 23.70             | 20.72                            | 26.05            | 15.93                 | 47.16      | 22.73                       | 7.90              | 21.69 | 21.68              | 29.25                    | 21.68                     |
| 2008                              | —              | 7.81                     | 27.23             | 27.59                            | 29.99            | 22.70                 | 55.12      | 25.98                       | —                 | 26.27 | 26.26              | 31.29                    | 26.26                     |
| 2009                              | —              | 4.43                     | 20.32             | 18.02                            | 24.82            | 12.49                 | 56.07      | 19.16                       | —                 | 18.62 | 18.61              | 31.45                    | 18.62                     |
| 2010                              | —              | 4.33                     | 25.19             | 21.72                            | 27.14            | 16.30                 | 58.80      | 22.67                       | —                 | 22.42 | R 22.42            | 25.27                    | 22.42                     |
| 2011                              | —              | 8.07                     | 31.64             | 27.88                            | 30.37            | 22.59                 | 69.54      | 28.76                       | —                 | 28.55 | 28.55              | 19.47                    | 28.55                     |
| 2012                              | —              | 9.79                     | 33.04             | 28.61                            | 33.20            | 22.95                 | 72.11      | 29.64                       | —                 | 29.40 | 29.40              | 20.45                    | 29.39                     |
| 2013                              | —              | 16.24                    | 32.71             | 28.66                            | 24.51            | 22.00                 | 69.42      | 28.79                       | —                 | 28.79 | 28.78              | 19.41                    | 28.78                     |
| 2014                              | —              | 14.13                    | 33.16             | 27.94                            | 27.13            | 20.90                 | 69.44      | 27.75                       | 11.38             | 27.84 | 27.83              | 25.73                    | 27.83                     |
| 2015                              | —              | 12.73                    | 24.86             | 19.39                            | 16.60            | 11.85                 | 67.28      | 19.78                       | 6.13              | 19.70 | 19.70              | 22.52                    | 19.70                     |
| 2016                              | —              | 11.82                    | 21.62             | 16.60                            | 15.66            | 9.75                  | 65.78      | 17.96                       | 4.45              | 17.57 | 17.56              | 23.25                    | 17.56                     |
| 2017                              | —              | 12.76                    | 24.13             | 19.08                            | 19.91            | 12.15                 | 67.25      | 19.60                       | —                 | 19.47 | 19.47              | 21.97                    | 19.47                     |
| 2018                              | —              | 12.29                    | 27.04             | 22.85                            | 20.53            | 15.82                 | 72.37      | 21.50                       | 7.86              | 21.92 | 21.91              | 21.48                    | 21.91                     |
| 2019                              | —              | 12.64                    | 25.57             | 21.71                            | 18.05            | 14.64                 | 74.92      | 20.92                       | 7.41              | 21.19 | 21.19              | 20.01                    | 21.19                     |
| 2020                              | —              | 11.98                    | 22.34             | 17.83                            | 18.04            | 9.50                  | 75.34      | 17.11                       | 5.40              | 17.33 | 17.32              | 19.67                    | 17.32                     |
| 2021                              | —              | 10.53                    | 28.86             | 23.59                            | 26.92            | 14.61                 | 81.25      | 24.12                       | 8.16              | 23.79 | 23.77              | 21.71                    | 23.77                     |

  

| Expenditures in Million Dollars |     |      |      |         |        |         |       |          |     |            |            |     |            |
|---------------------------------|-----|------|------|---------|--------|---------|-------|----------|-----|------------|------------|-----|------------|
| 1970                            | 0.4 | —    | 7.8  | 81.2    | 0.7    | 24.4    | 38.3  | 1,601.5  | 3.1 | 1,756.8    | 1,757.3    | 0.7 | 1,758.0    |
| 1975                            | 0.1 | —    | 8.5  | 251.5   | 1.9    | 69.2    | 73.6  | 2,887.8  | 6.0 | 3,298.5    | 3,298.6    | 1.2 | 3,299.8    |
| 1980                            | —   | —    | 21.5 | 994.9   | 4.4    | 259.2   | 124.1 | 5,463.9  | 4.8 | 6,872.9    | 6,872.9    | 2.1 | 6,875.0    |
| 1985                            | —   | —    | 16.6 | 1,081.8 | 15.4   | 245.3   | 143.0 | 5,145.3  | —   | 6,647.5    | 6,688.1    | 3.4 | 6,691.5    |
| 1990                            | —   | 0.2  | 11.2 | 1,204.9 | 15.7   | 343.5   | 182.4 | 5,325.7  | 0.1 | 7,083.5    | 7,164.3    | 2.5 | 7,166.8    |
| 1995                            | —   | 0.8  | 9.9  | 1,305.0 | 12.7   | 256.2   | 183.7 | 5,544.0  | 1.0 | 7,312.5    | 7,313.3    | 2.9 | 7,316.2    |
| 2000                            | —   | 2.6  | 11.9 | 2,420.1 | 9.0    | 695.0   | 209.3 | 7,574.2  | 0.2 | 10,919.7   | 10,922.4   | 2.9 | 10,925.2   |
| 2005                            | —   | 6.4  | 10.3 | 4,315.6 | 22.7   | 1,366.6 | 268.0 | 11,418.1 | —   | 17,401.3   | 17,407.8   | 4.3 | 17,412.1   |
| 2006                            | —   | 6.0  | 37.3 | 5,099.7 | 24.0   | 1,534.9 | 325.3 | 12,815.5 | (s) | 19,836.7   | 19,842.7   | 4.4 | 19,847.1   |
| 2007                            | —   | 2.6  | 39.2 | 5,646.3 | 19.8   | 1,638.5 | 361.0 | 14,227.0 | 0.2 | 21,932.0   | 21,934.6   | 4.8 | 21,939.3   |
| 2008                            | —   | 2.1  | 26.0 | 6,798.3 | 46.7   | 2,316.9 | 391.8 | 15,874.1 | —   | 25,453.8   | 25,455.9   | 5.1 | 25,460.9   |
| 2009                            | —   | 0.6  | 22.2 | 3,974.0 | 24.1   | 902.4   | 358.3 | 11,578.0 | —   | 16,859.1   | 16,859.7   | 4.2 | 16,863.9   |
| 2010                            | —   | 0.7  | 19.0 | 5,103.5 | R 4.4  | 532.0   | 335.9 | 13,697.7 | —   | R 19,692.5 | R 19,693.1 | 3.1 | R 19,696.2 |
| 2011                            | —   | 0.7  | 22.4 | 6,787.5 | R 4.8  | 710.0   | 381.5 | 16,885.4 | —   | R 24,791.7 | R 24,792.4 | 2.3 | R 24,794.7 |
| 2012                            | —   | 0.9  | 20.8 | 6,538.2 | R 2.9  | 613.0   | 358.6 | 17,341.6 | —   | R 24,875.0 | R 24,875.9 | 2.4 | R 24,878.3 |
| 2013                            | —   | 5.0  | 18.3 | 6,763.4 | R 4.1  | 586.0   | 364.3 | 17,035.0 | —   | R 24,771.2 | R 24,776.2 | 2.9 | R 24,779.1 |
| 2014                            | —   | 7.5  | 17.7 | 6,865.6 | R 5.6  | 609.3   | 378.3 | 16,490.8 | (s) | R 24,367.3 | R 24,374.9 | 3.6 | R 24,378.5 |
| 2015                            | —   | 7.0  | 9.9  | 4,736.8 | R 4.6  | 375.2   | 396.2 | 11,638.2 | 0.2 | R 17,161.2 | R 17,168.3 | 3.0 | R 17,171.3 |
| 2016                            | —   | 10.9 | 8.7  | 3,893.1 | R 5.5  | 337.4   | 359.5 | 10,649.4 | (s) | R 15,253.7 | R 15,264.6 | 3.2 | R 15,267.8 |
| 2017                            | —   | 7.2  | 11.2 | 4,499.9 | R 2.6  | 376.0   | 338.4 | 11,606.0 | —   | R 16,834.1 | R 16,841.3 | 2.9 | R 16,844.3 |
| 2018                            | —   | 6.5  | 11.6 | 5,552.9 | R 5.0  | 571.8   | 346.9 | 12,605.3 | 0.4 | R 19,093.8 | R 19,100.4 | 2.6 | R 19,103.0 |
| 2019                            | —   | 6.9  | 12.2 | 5,275.3 | R 11.3 | R 473.3 | 342.0 | 12,137.4 | 1.1 | R 18,252.6 | R 18,259.5 | 2.6 | R 18,262.1 |
| 2020                            | —   | 14.6 | 9.3  | 4,125.9 | R 4.4  | R 298.9 | 303.8 | 8,571.7  | 0.4 | R 13,314.3 | R 13,329.0 | 2.3 | R 13,331.3 |
| 2021                            | —   | 12.5 | 13.4 | 5,558.3 | 9.0    | 592.1   | 331.6 | 13,039.0 | 0.6 | 19,544.0   | 19,556.5   | 2.7 | 19,559.2   |

<sup>a</sup> Transportation use of natural gas as vehicle fuel only.  
<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Beginning in 2021, includes biodiesel and renewable diesel product supplied.  
<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>d</sup> Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial Sector, Other Petroleum."  
<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>f</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

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

Table ET7. Electric Power Sector Price and Expenditure Estimates, Selected Years, 1970-2021, Ohio

| Year                              | Coal    | Natural Gas <sup>a</sup> | Petroleum           |                |                   |       | Nuclear Fuel | Biomass                     | Electricity Imports <sup>c</sup> | Total Energy <sup>d</sup> |
|-----------------------------------|---------|--------------------------|---------------------|----------------|-------------------|-------|--------------|-----------------------------|----------------------------------|---------------------------|
|                                   |         |                          | Distillate Fuel Oil | Petroleum Coke | Residual Fuel Oil | Total |              | Wood and Waste <sup>b</sup> |                                  |                           |
| Prices in Dollars per Million Btu |         |                          |                     |                |                   |       |              |                             |                                  |                           |
| 1970                              | 0.29    | 0.39                     | 0.75                | —              | 0.69              | 0.72  | —            | 0.65                        | —                                | 0.30                      |
| 1975                              | 0.95    | 1.19                     | 2.35                | —              | 2.18              | 2.29  | —            | 0.92                        | —                                | 0.98                      |
| 1980                              | 1.48    | 2.90                     | 5.72                | —              | 3.58              | 5.11  | 0.28         | 1.74                        | —                                | 1.50                      |
| 1985                              | 1.69    | 5.09                     | 6.09                | —              | 4.43              | 5.71  | 1.09         | 0.79                        | —                                | 1.70                      |
| 1990                              | 1.52    | 2.55                     | 5.40                | —              | 3.12              | 4.84  | 1.24         | —                           | —                                | 1.50                      |
| 1995                              | 1.42    | 2.28                     | 3.91                | —              | —                 | 3.91  | 1.00         | 0.70                        | —                                | 1.38                      |
| 2000                              | 1.46    | 4.85                     | 6.69                | —              | 3.35              | 6.63  | 0.46         | 0.67                        | —                                | 1.38                      |
| 2005                              | 1.53    | 9.26                     | 12.78               | 0.78           | —                 | 4.20  | 0.37         | 2.28                        | 16.53                            | 1.59                      |
| 2006                              | 1.70    | 7.73                     | 11.72               | 1.31           | —                 | 3.85  | 0.39         | 2.32                        | 17.32                            | 1.70                      |
| 2007                              | 1.71    | 7.63                     | 16.16               | 1.35           | —                 | 5.57  | 0.41         | 2.42                        | 18.25                            | 1.76                      |
| 2008                              | 2.05    | 10.44                    | 20.65               | 1.46           | —                 | 5.66  | 0.48         | 2.66                        | —                                | 2.03                      |
| 2009                              | 2.39    | 4.26                     | 12.71               | 1.72           | —                 | 4.10  | 0.56         | 2.20                        | 12.10                            | 2.25                      |
| 2010                              | 2.24    | 4.87                     | 16.75               | 1.54           | —                 | 4.93  | 0.65         | 2.40                        | —                                | 2.19                      |
| 2011                              | 2.47    | 4.49                     | 22.32               | 4.01           | —                 | 8.16  | 0.69         | 2.44                        | —                                | 2.47                      |
| 2012                              | 2.41    | 2.98                     | 23.03               | 4.10           | —                 | 7.55  | 0.75         | 2.21                        | —                                | 2.32                      |
| 2013                              | 2.25    | 3.82                     | 22.88               | 1.48           | —                 | 4.73  | 0.80         | 2.26                        | —                                | 2.30                      |
| 2014                              | 2.16    | 4.14                     | 23.55               | 1.22           | —                 | 6.20  | 0.77         | 2.73                        | —                                | 2.31                      |
| 2015                              | 2.12    | 2.28                     | 13.54               | 1.29           | —                 | 3.13  | 0.72         | 2.62                        | —                                | 1.95                      |
| 2016                              | 2.06    | 2.23                     | 11.42               | 1.23           | —                 | 2.90  | 0.68         | 2.54                        | 8.74                             | 1.89                      |
| 2017                              | 1.92    | 2.90                     | 14.15               | 1.48           | —                 | 3.54  | 0.74         | 2.40                        | 9.18                             | 1.94                      |
| 2018                              | 1.77    | 3.12                     | R 16.35             | 1.51           | —                 | 3.59  | 0.72         | 2.22                        | 10.74                            | 2.03                      |
| 2019                              | 1.79    | 2.43                     | 15.44               | 1.58           | —                 | 3.88  | 0.67         | 2.33                        | —                                | 1.86                      |
| 2020                              | 1.77    | R 1.87                   | 11.10               | 1.27           | —                 | 2.06  | 0.64         | 1.80                        | —                                | R 1.61                    |
| 2021                              | 1.66    | 3.56                     | 16.45               | 1.31           | —                 | 3.14  | 0.66         | 2.39                        | —                                | 2.24                      |
| Expenditures in Million Dollars   |         |                          |                     |                |                   |       |              |                             |                                  |                           |
| 1970                              | 230.5   | 8.6                      | 3.4                 | —              | 3.0               | 6.4   | —            | (s)                         | —                                | 245.5                     |
| 1975                              | 987.4   | 6.3                      | 35.2                | —              | 18.0              | 53.2  | —            | (s)                         | —                                | 1,046.9                   |
| 1980                              | 1,641.4 | 13.7                     | 54.7                | —              | 13.6              | 68.3  | 6.4          | (s)                         | —                                | 1,729.9                   |
| 1985                              | 1,869.0 | 3.6                      | 18.0                | —              | 3.9               | 22.0  | 22.6         | 2.2                         | —                                | 1,919.3                   |
| 1990                              | 1,759.5 | 3.2                      | 14.2                | —              | 2.7               | 16.9  | 140.0        | —                           | —                                | 1,919.5                   |
| 1995                              | 1,713.8 | 17.4                     | 14.6                | —              | —                 | 14.6  | 176.8        | 0.4                         | —                                | 1,923.1                   |
| 2000                              | 1,912.3 | 50.1                     | 30.8                | —              | 0.3               | 31.1  | 81.1         | 0.7                         | —                                | 2,075.2                   |
| 2005                              | 2,102.6 | 266.3                    | 53.8                | 8.2            | —                 | 62.0  | 57.3         | 2.5                         | 2.8                              | 2,493.4                   |
| 2006                              | 2,277.9 | 184.8                    | 39.7                | 13.7           | —                 | 53.4  | 67.9         | 2.5                         | 49.9                             | 2,636.4                   |
| 2007                              | 2,312.4 | 293.9                    | 55.3                | 11.6           | —                 | 66.9  | 67.5         | 2.5                         | 22.5                             | 2,765.7                   |
| 2008                              | 2,709.3 | 253.5                    | 62.8                | 15.9           | —                 | 78.7  | 87.3         | 9.3                         | —                                | 3,138.1                   |
| 2009                              | 2,796.6 | 165.7                    | 35.6                | 17.4           | —                 | 53.0  | 89.4         | 6.6                         | 0.2                              | 3,111.4                   |
| 2010                              | 2,750.7 | 291.4                    | 53.1                | 17.1           | —                 | 70.2  | 107.1        | 9.7                         | —                                | 3,229.0                   |
| 2011                              | 2,723.5 | 428.3                    | 75.4                | 46.2           | —                 | 121.6 | 106.8        | 9.4                         | —                                | 3,389.7                   |
| 2012                              | 2,125.0 | 523.3                    | 68.6                | 54.8           | —                 | 123.4 | 134.2        | 13.4                        | —                                | 2,919.4                   |
| 2013                              | 2,167.0 | 636.6                    | 60.9                | 22.0           | —                 | 83.0  | 135.4        | 15.0                        | —                                | 3,037.0                   |
| 2014                              | 1,981.8 | 755.2                    | 80.3                | 14.6           | —                 | 94.9  | 131.3        | 17.9                        | —                                | 2,981.1                   |
| 2015                              | 1,555.1 | 503.9                    | 32.4                | 17.4           | —                 | 49.8  | 130.1        | 17.6                        | —                                | 2,256.5                   |
| 2016                              | 1,464.2 | 501.6                    | 27.7                | 15.1           | —                 | 42.7  | 120.1        | 16.1                        | 0.1                              | 2,144.7                   |
| 2017                              | 1,344.0 | 636.9                    | 29.9                | 16.1           | —                 | 46.0  | 136.4        | 15.8                        | 0.5                              | 2,179.6                   |
| 2018                              | 1,066.7 | 1,065.6                  | 42.0                | 23.7           | —                 | 65.7  | 137.6        | 14.9                        | 3.0                              | 2,353.6                   |
| 2019                              | 860.5   | 939.0                    | 27.7                | 14.3           | —                 | 41.9  | 118.8        | 15.0                        | —                                | 1,975.3                   |
| 2020                              | 819.3   | R 742.3                  | 14.4                | 18.7           | —                 | 33.1  | 121.2        | 10.7                        | —                                | R 1,726.7                 |
| 2021                              | 782.1   | 1,469.4                  | 30.1                | 17.3           | —                 | 47.4  | 121.1        | 14.0                        | —                                | 2,434.0                   |

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

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

<sup>c</sup> Electricity imported from Canada and Mexico.

<sup>d</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

Where shown, R = Revised data, — = No consumption, and (s) = Value less than 0.05 million dollars.

Notes: Expenditure 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.

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/>