

Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                            | Primary Energy                    |            |       |                          |                     |                       |                  |                             |                   |                    |              |         |                          |                               | Electric Power Sector <sup>h,j</sup> | Retail Electricity | Total Energy <sup>g,h,i</sup> |
|---------------------------------|-----------------------------------|------------|-------|--------------------------|---------------------|-----------------------|------------------|-----------------------------|-------------------|--------------------|--------------|---------|--------------------------|-------------------------------|--------------------------------------|--------------------|-------------------------------|
|                                 | Coal                              |            |       | Natural Gas <sup>a</sup> | Petroleum           |                       |                  |                             |                   |                    | Nuclear Fuel | Biomass | Total <sup>g,h,i,j</sup> |                               |                                      |                    |                               |
|                                 | Coking Coal                       | Steam Coal | Total |                          | Distillate Fuel Oil | Jet Fuel <sup>b</sup> | LPG <sup>c</sup> | Motor Gasoline <sup>d</sup> | Residual Fuel Oil | Other <sup>e</sup> |              | Total   |                          | Wood and Waste <sup>f,g</sup> |                                      |                    |                               |
|                                 |                                   |            |       |                          |                     |                       |                  |                             |                   |                    |              |         |                          |                               |                                      |                    |                               |
|                                 | Prices in Dollars per Million Btu |            |       |                          |                     |                       |                  |                             |                   |                    |              |         |                          |                               |                                      |                    |                               |
| 1970                            | —                                 | 0.37       | 0.37  | 0.57                     | 1.01                | 0.75                  | 1.60             | 2.83                        | 0.61              | 1.58               | 2.11         | —       | 2.40                     | 1.20                          | 0.30                                 | 6.39               | 1.80                          |
| 1975                            | —                                 | 0.95       | 0.95  | 1.00                     | 2.45                | 2.09                  | 3.06             | 4.59                        | 1.88              | 3.22               | 3.75         | 0.25    | 2.74                     | 2.16                          | 0.75                                 | 9.11               | 3.13                          |
| 1980                            | —                                 | 1.42       | 1.42  | 2.79                     | 6.41                | 6.47                  | 5.66             | 9.97                        | 3.19              | 7.31               | 8.24         | 0.39    | 3.73                     | 4.53                          | 1.32                                 | 13.97              | 6.67                          |
| 1985                            | —                                 | 1.51       | 1.51  | 4.60                     | 6.52                | 6.28                  | 7.49             | 9.47                        | 4.07              | 8.35               | 8.28         | 0.94    | 3.70                     | 4.93                          | 1.57                                 | 19.02              | 8.03                          |
| 1990                            | —                                 | 1.16       | 1.16  | 3.81                     | 7.52                | 6.11                  | 6.10             | 9.38                        | 2.36              | 8.57               | 8.45         | 0.66    | 2.08                     | 4.28                          | 1.11                                 | 17.37              | 7.66                          |
| 1995                            | —                                 | 1.05       | 1.05  | 4.00                     | 6.63                | 4.22                  | 7.35             | 8.75                        | 2.38              | 8.86               | 7.84         | 0.74    | 2.46                     | 4.17                          | 0.99                                 | 17.68              | 7.58                          |
| 1996                            | —                                 | 1.02       | 1.02  | 4.43                     | 7.67                | 5.08                  | 8.80             | 9.58                        | 2.94              | 7.95               | 8.74         | 0.72    | 2.52                     | 4.54                          | 0.95                                 | 17.41              | 7.95                          |
| 1997                            | —                                 | 1.02       | 1.02  | 4.97                     | 7.32                | 4.79                  | 8.53             | 9.49                        | 3.05              | 7.58               | 8.52         | 0.65    | 2.40                     | 4.54                          | 0.95                                 | 17.49              | 8.13                          |
| 1998                            | —                                 | 0.95       | 0.95  | 4.42                     | 6.07                | 3.63                  | 7.50             | 8.01                        | 2.64              | 7.69               | 7.26         | 0.61    | 1.92                     | 3.95                          | 0.90                                 | 17.71              | 7.64                          |
| 1999                            | —                                 | 0.91       | 0.91  | 4.71                     | 6.86                | 4.35                  | 7.58             | 8.67                        | 2.69              | 7.28               | 7.82         | 0.60    | 1.93                     | 4.23                          | 0.85                                 | 17.38              | 7.91                          |
| 2000                            | —                                 | 0.91       | 0.91  | 6.45                     | 9.61                | 6.96                  | 10.59            | 11.71                       | 3.24              | 9.18               | 10.71        | 0.61    | 2.46                     | 5.53                          | 0.85                                 | 17.39              | 9.88                          |
| 2001                            | —                                 | 0.91       | 0.91  | 7.37                     | 8.96                | 6.27                  | 11.59            | 11.29                       | 3.28              | 9.41               | 10.49        | 0.62    | 2.49                     | 5.60                          | 0.87                                 | 18.00              | 10.18                         |
| 2002                            | —                                 | 0.97       | 0.97  | 6.00                     | 8.31                | 5.53                  | 9.52             | 10.49                       | 2.77              | 9.00               | 9.57         | 0.58    | 1.90                     | 5.05                          | 0.88                                 | 17.62              | 9.34                          |
| 2003                            | —                                 | 0.95       | 0.95  | 7.62                     | 9.69                | 6.89                  | 11.28            | 11.86                       | 3.11              | 9.69               | 10.97        | 0.56    | 2.21                     | 5.79                          | 0.90                                 | 17.92              | 10.44                         |
| 2004                            | —                                 | 1.00       | 1.00  | 8.43                     | 11.92               | 8.95                  | 13.18            | 14.11                       | 4.58              | 9.04               | 12.93        | 0.55    | 2.43                     | 6.84                          | 1.00                                 | 18.76              | 11.87                         |
| 2005                            | —                                 | 1.09       | 1.09  | 10.40                    | 16.15               | 13.57                 | 16.23            | 17.36                       | 6.59              | 10.32              | 16.30        | 0.55    | 2.67                     | 8.69                          | 1.35                                 | 19.60              | 14.26                         |
| 2006                            | —                                 | 1.24       | 1.24  | 9.75                     | 18.41               | 15.21                 | 18.11            | 19.90                       | 7.72              | 14.26              | 18.79        | 0.55    | 2.32                     | 9.51                          | 1.33                                 | 20.54              | 15.55                         |
| 2007                            | —                                 | 1.23       | 1.23  | 9.39                     | 20.19               | 16.48                 | 20.09            | 22.37                       | 8.51              | 16.70              | 21.01        | 0.63    | 2.43                     | 9.94                          | 1.47                                 | 20.02              | 16.06                         |
| 2008                            | —                                 | 1.36       | 1.36  | 10.01                    | 26.51               | 22.81                 | R 24.07          | 25.49                       | 12.35             | 18.97              | R 25.19      | 0.58    | 2.87                     | R 11.40                       | 1.45                                 | 20.20              | R 18.00                       |
| 2009                            | —                                 | 1.43       | 1.43  | 7.29                     | 16.85               | 12.94                 | R 19.17          | 18.69                       | 7.98              | R 19.77            | R 18.22      | 0.57    | 2.43                     | R 8.65                        | 1.26                                 | 21.59              | R 14.22                       |
| 2010                            | —                                 | 1.51       | 1.51  | 7.13                     | 20.56               | 16.79                 | R 21.05          | 22.13                       | 11.66             | R 24.56            | R 21.51      | 0.65    | 2.61                     | R 9.49                        | 1.42                                 | 22.44              | R 15.68                       |
| 2011                            | —                                 | 1.62       | 1.62  | 6.87                     | 26.94               | 23.03                 | R 24.35          | 28.19                       | 15.63             | R 28.49            | R 27.17      | 0.70    | 5.27                     | R 11.61                       | 1.48                                 | 22.16              | R 18.18                       |
| 2012                            | —                                 | 1.66       | 1.66  | 5.87                     | 27.37               | 23.44                 | R 20.51          | 28.80                       | 16.91             | R 27.96            | R 26.98      | 0.77    | 5.56                     | R 11.63                       | 1.56                                 | 22.60              | R 18.11                       |
| 2013                            | —                                 | 1.83       | 1.83  | R 6.40                   | 27.06               | 22.81                 | R 21.97          | 28.08                       | 16.68             | R 24.20            | R 26.51      | 0.84    | R 6.04                   | R 11.79                       | 1.71                                 | R 23.65            | R 17.92                       |
| 2014                            | —                                 | 1.80       | 1.80  | 7.83                     | 26.05               | 20.10                 | 25.03            | 26.86                       | 15.95             | 24.52              | 26.11        | 0.80    | 4.88                     | 12.16                         | 1.73                                 | 23.89              | 18.24                         |
| Expenditures in Million Dollars |                                   |            |       |                          |                     |                       |                  |                             |                   |                    |              |         |                          |                               |                                      |                    |                               |
| 1970                            | —                                 | 48.1       | 48.1  | 190.2                    | 80.7                | 3.0                   | 67.2             | 530.1                       | 1.5               | 49.0               | 731.6        | —       | 3.7                      | 973.5                         | -50.4                                | 337.5              | 1,260.7                       |
| 1975                            | —                                 | 125.1      | 125.1 | 332.4                    | 207.6               | 9.8                   | 156.9            | 942.1                       | 7.2               | 79.5               | 1,403.0      | 6.3     | 5.1                      | 1,872.0                       | -132.5                               | 624.4              | 2,363.9                       |
| 1980                            | —                                 | 332.9      | 332.9 | 719.9                    | 594.5               | 29.6                  | 234.8            | 1,853.2                     | 8.3               | 170.4              | 2,890.9      | 10.9    | 36.9                     | 3,991.4                       | -313.1                               | 1,184.5            | 4,862.8                       |
| 1985                            | —                                 | 406.3      | 406.3 | 1,003.4                  | 601.0               | 20.9                  | 233.9            | 1,566.0                     | 4.7               | 178.6              | 2,604.9      | 19.3    | 44.3                     | 4,138.9                       | -400.1                               | 1,666.6            | 5,405.4                       |
| 1990                            | —                                 | 389.0      | 389.0 | 805.3                    | 691.7               | 30.7                  | 143.7            | 1,561.2                     | 1.8               | 147.2              | 2,576.2      | 21.1    | 22.6                     | 3,843.1                       | -346.5                               | 1,744.6            | 5,241.2                       |
| 1995                            | —                                 | 392.4      | 392.4 | 1,004.8                  | 684.5               | 25.0                  | 454.8            | 1,571.3                     | 1.4               | 158.7              | 2,895.6      | 28.8    | 19.7                     | 4,341.4                       | -354.4                               | 2,069.2            | 6,056.2                       |
| 1996                            | —                                 | 392.9      | 392.9 | 1,158.0                  | 884.0               | 23.6                  | 370.3            | 1,794.7                     | 1.7               | 166.3              | 3,240.6      | 29.5    | 26.5                     | 4,847.6                       | -339.7                               | 2,078.5            | 6,586.5                       |
| 1997                            | —                                 | 400.9      | 400.9 | 1,218.7                  | 837.7               | 21.5                  | 326.6            | 1,760.6                     | 1.4               | 189.3              | 3,137.1      | 28.1    | 21.8                     | 4,810.3                       | -350.5                               | 2,156.8            | 6,616.6                       |
| 1998                            | —                                 | 403.3      | 403.3 | 998.0                    | 709.0               | 24.4                  | 407.3            | 1,543.5                     | 1.5               | 175.1              | 2,860.9      | 24.2    | 8.3                      | 4,297.6                       | -365.4                               | 2,254.6            | 6,186.8                       |
| 1999                            | —                                 | 393.7      | 393.7 | 1,070.8                  | 782.1               | 21.8                  | 517.8            | 1,671.8                     | 1.7               | 208.9              | 3,204.1      | 22.8    | 8.5                      | 4,701.8                       | -343.9                               | 2,255.0            | 6,612.9                       |
| 2000                            | —                                 | 405.2      | 405.2 | 1,453.3                  | 1,077.3             | 30.5                  | 755.0            | 2,244.5                     | 2.9               | 226.9              | 4,337.1      | 28.5    | 10.1                     | 6,234.2                       | -367.4                               | 2,318.8            | 8,185.6                       |
| 2001                            | —                                 | 401.8      | 401.8 | 1,592.8                  | 1,048.5             | 27.6                  | 676.5            | 2,165.0                     | 0.9               | 183.3              | 4,101.9      | 25.0    | 10.4                     | 6,132.3                       | -369.7                               | 2,422.4            | 8,185.0                       |
| 2002                            | —                                 | 426.2      | 426.2 | 1,297.4                  | 953.0               | 24.5                  | 632.5            | 2,076.6                     | 1.1               | 205.6              | 3,893.3      | 27.7    | 14.2                     | 5,658.9                       | -378.7                               | 2,458.3            | 7,738.5                       |
| 2003                            | —                                 | 424.5      | 424.5 | 1,683.0                  | 1,067.5             | 31.0                  | 552.9            | 2,360.7                     | 2.9               | 209.0              | 4,224.0      | 23.3    | 16.8                     | 6,371.4                       | -384.0                               | 2,519.3            | 8,506.7                       |
| 2004                            | —                                 | 442.3      | 442.3 | 1,832.7                  | 1,414.8             | 46.2                  | 906.5            | 2,894.3                     | 8.1               | 238.8              | 5,508.6      | 28.5    | 18.7                     | 7,830.8                       | -439.9                               | 2,618.5            | 10,009.4                      |
| 2005                            | —                                 | 468.8      | 468.8 | 2,403.8                  | 1,931.4             | 76.2                  | 1,227.4          | 3,537.8                     | 8.0               | 284.6              | 7,065.5      | 26.1    | 20.6                     | 9,984.7                       | -588.0                               | 2,859.4            | 12,256.1                      |
| 2006                            | —                                 | 537.8      | 537.8 | 2,228.7                  | 2,276.6             | 89.1                  | 1,385.9          | 4,176.3                     | 2.3               | 347.7              | 8,278.0      | 29.2    | 22.6                     | 11,096.2                      | -589.6                               | 3,037.8            | 13,544.5                      |
| 2007                            | —                                 | 571.2      | 571.2 | 2,665.6                  | 2,672.2             | 84.1                  | 1,227.3          | 4,641.3                     | 2.4               | 356.2              | 8,983.4      | 29.7    | 22.6                     | 12,277.0                      | -700.7                               | 3,092.9            | 14,669.2                      |
| 2008                            | —                                 | 660.5      | 660.5 | 3,151.6                  | 3,527.7             | 101.7                 | R 1,785.4        | 5,133.4                     | 13.2              | 389.9              | R 10,951.3   | 32.1    | 32.5                     | R 14,828.1                    | -721.3                               | 3,135.3            | R 17,242.0                    |
| 2009                            | —                                 | 633.8      | 633.8 | 2,210.7                  | 2,165.7             | 38.5                  | R 1,468.5        | 3,774.3                     | 3.3               | R 349.3            | R 7,799.7    | 27.9    | 30.5                     | R 10,702.6                    | -563.9                               | 3,215.3            | R 13,354.1                    |
| 2010                            | —                                 | 746.8      | 746.8 | 2,150.7                  | 2,825.1             | 46.9                  | R 1,390.7        | 4,586.5                     | 1.7               | R 361.3            | R 9,212.3    | 30.4    | 34.0                     | R 12,174.2                    | -686.7                               | 3,479.7            | R 14,967.3                    |
| 2011                            | —                                 | 750.2      | 750.2 | 2,052.8                  | 3,749.3             | 86.6                  | R 1,559.8        | 5,860.7                     | 3.1               | R 399.7            | R 11,659.2   | 38.0    | 28.3                     | R 14,528.6                    | -671.6                               | 3,451.3            | R 17,308.3                    |
| 2012                            | —                                 | 703.5      | 703.5 | 1,697.7                  | 3,782.1             | 146.3                 | R 1,277.6        | 5,615.9                     | 1.2               | R 424.4            | R 11,247.5   | 34.9    | 28.1                     | R 13,711.7                    | -652.7                               | 3,524.3            | R 16,583.3                    |
| 2013                            | —                                 | 736.5      | 736.5 | R 2,045.9                | 3,759.6             | 138.7                 | R 1,558.7        | R 5,560.6                   | 0.6               | R 471.3            | R 11,489.4   | 46.5    | R 35.4                   | R 14,353.7                    | -688.3                               | R 3,769.0          | R 17,434.4                    |
| 2014                            | —                                 | 722.7      | 722.7 | 2,578.6                  | 3,789.6             | 113.7                 | 1,705.3          | 5,397.7                     | 0.6               | 476.0              | 11,482.9     | 34.6    | 39.5                     | 14,858.3                      | -683.7                               | 3,847.3            | 18,021.8                      |

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</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>c</sup> Liquefied petroleum gases, includes ethane and olefins.

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

<sup>e</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."

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

<sup>g</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass waste beginning in 1989.

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

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

<sup>j</sup> Electricity imports are included in total primary energy and electric power sector but are not shown separately.

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 <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET2. Total End-Use Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                              | Primary Energy |                          |                     |                       |                      |                             |                   |                    |                       |                               |                        | Retail Electricity   | Total Energy <sup>g,h,i</sup> |
|-----------------------------------|----------------|--------------------------|---------------------|-----------------------|----------------------|-----------------------------|-------------------|--------------------|-----------------------|-------------------------------|------------------------|----------------------|-------------------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum           |                       |                      |                             |                   |                    |                       | Biomass                       | Total <sup>g,h,i</sup> |                      |                               |
|                                   |                |                          | Distillate Fuel Oil | Jet Fuel <sup>b</sup> | LPG <sup>c</sup>     | Motor Gasoline <sup>d</sup> | Residual Fuel Oil | Other <sup>e</sup> | Total                 | Wood and Waste <sup>f,g</sup> |                        |                      |                               |
| Prices in Dollars per Million Btu |                |                          |                     |                       |                      |                             |                   |                    |                       |                               |                        |                      |                               |
| 1970                              | 0.45           | 0.66                     | 1.02                | 0.75                  | 1.60                 | 2.83                        | 0.59              | 1.58               | 2.12                  | 3.01                          | 1.43                   | 6.39                 | 1.80                          |
| 1975                              | 1.30           | 1.05                     | 2.46                | 2.09                  | 3.06                 | 4.59                        | 1.85              | 3.22               | 3.77                  | 3.26                          | 2.53                   | 9.11                 | 3.13                          |
| 1980                              | 1.61           | 2.80                     | 6.41                | 6.47                  | 5.66                 | 9.97                        | 3.09              | 7.31               | 8.25                  | 3.79                          | 5.71                   | 13.97                | 6.67                          |
| 1985                              | 1.71           | 4.61                     | 6.52                | 6.28                  | 7.49                 | 9.47                        | 4.07              | 8.35               | 8.29                  | 3.86                          | 6.39                   | 19.02                | 8.03                          |
| 1990                              | 1.36           | 3.83                     | 7.54                | 6.11                  | 6.10                 | 9.38                        | 2.36              | 8.57               | 8.46                  | 2.09                          | 5.99                   | 17.37                | 7.66                          |
| 1995                              | 1.40           | 4.02                     | 6.65                | 4.22                  | 7.35                 | 8.75                        | 2.38              | 8.86               | 7.85                  | 2.55                          | 5.84                   | 17.68                | 7.58                          |
| 1996                              | 1.39           | 4.45                     | 7.69                | 5.08                  | 8.80                 | 9.58                        | 2.94              | 7.95               | 8.75                  | 2.60                          | 6.36                   | 17.41                | 7.95                          |
| 1997                              | 1.40           | 4.99                     | 7.36                | 4.79                  | 8.53                 | 9.49                        | 3.05              | 7.58               | 8.54                  | 2.49                          | 6.46                   | 17.49                | 8.13                          |
| 1998                              | 1.34           | 4.46                     | 6.11                | 3.63                  | 7.50                 | 8.01                        | 2.64              | 7.69               | 7.28                  | 2.07                          | 5.76                   | 17.71                | 7.64                          |
| 1999                              | 1.35           | 4.75                     | 6.91                | 4.35                  | 7.58                 | 8.67                        | 2.69              | 7.28               | 7.84                  | 2.13                          | 6.17                   | 17.38                | 7.91                          |
| 2000                              | 1.43           | 6.49                     | 9.65                | 6.96                  | 10.59                | 11.71                       | 3.24              | 9.18               | 10.72                 | 3.03                          | 8.44                   | 17.39                | 9.88                          |
| 2001                              | 1.43           | 7.44                     | 8.99                | 6.27                  | 11.59                | 11.29                       | 3.28              | 9.41               | 10.50                 | 2.98                          | 8.61                   | 18.00                | 10.18                         |
| 2002                              | 1.52           | 6.06                     | 8.33                | 5.53                  | 9.52                 | 10.49                       | 2.77              | 9.00               | 9.58                  | 2.12                          | 7.66                   | 17.62                | 9.34                          |
| 2003                              | 1.46           | 7.65                     | 9.73                | 6.89                  | 11.28                | 11.86                       | 3.11              | 9.69               | 10.98                 | 2.40                          | 8.88                   | 17.92                | 10.44                         |
| 2004                              | 1.57           | 8.49                     | 11.96               | 8.95                  | 13.18                | 14.11                       | 4.58              | 9.15               | 12.95                 | 2.56                          | 10.50                  | 18.76                | 11.87                         |
| 2005                              | 1.83           | 10.56                    | 16.23               | 13.57                 | 16.23                | 17.36                       | 6.59              | 10.32              | 16.32                 | 2.83                          | 13.17                  | 19.60                | 14.26                         |
| 2006                              | 2.33           | 9.93                     | 18.45               | 15.21                 | 18.11                | 19.90                       | 7.72              | 14.88              | 18.84                 | 2.46                          | 14.52                  | 20.54                | 15.55                         |
| 2007                              | 2.20           | 9.57                     | 20.25               | 16.48                 | 20.09                | 22.37                       | 8.51              | 17.79              | 21.10                 | 2.60                          | 15.25                  | 20.02                | 16.06                         |
| 2008                              | 2.56           | 10.06                    | 26.54               | 22.81                 | <sup>R</sup> 24.07   | 25.49                       | 12.35             | 19.71              | 25.25                 | 3.10                          | <sup>R</sup> 17.57     | 20.20                | <sup>R</sup> 18.00            |
| 2009                              | 2.73           | 7.37                     | 16.87               | 12.94                 | <sup>R</sup> 19.17   | 18.69                       | 7.98              | <sup>R</sup> 20.07 | <sup>R</sup> 18.24    | 2.56                          | <sup>R</sup> 12.83     | 21.59                | <sup>R</sup> 14.22            |
| 2010                              | 2.56           | 7.19                     | 20.59               | 16.79                 | <sup>R</sup> 21.05   | 22.13                       | 11.66             | <sup>R</sup> 25.81 | <sup>R</sup> 21.55    | 2.64                          | <sup>R</sup> 14.37     | 22.44                | <sup>R</sup> 15.68            |
| 2011                              | 2.59           | 6.92                     | 26.97               | 23.03                 | <sup>R</sup> 24.35   | 28.19                       | 15.63             | <sup>R</sup> 30.09 | <sup>R</sup> 27.23    | <sup>R</sup> 6.31             | <sup>R</sup> 17.41     | 22.16                | <sup>R</sup> 18.18            |
| 2012                              | 2.62           | 6.00                     | 27.41               | 23.44                 | <sup>R</sup> 20.51   | 28.80                       | 16.91             | <sup>R</sup> 28.19 | <sup>R</sup> 26.99    | 6.83                          | <sup>R</sup> 17.18     | 22.60                | <sup>R</sup> 18.11            |
| 2013                              | 2.58           | <sup>R</sup> 6.47        | 27.10               | 22.81                 | <sup>R</sup> 21.97   | 28.08                       | 16.68             | <sup>R</sup> 24.20 | <sup>R</sup> 26.52    | <sup>R</sup> 7.22             | <sup>R</sup> 16.80     | <sup>R</sup> 23.65   | <sup>R</sup> 17.92            |
| 2014                              | 2.50           | 7.90                     | 26.07               | 20.10                 | 25.03                | 26.86                       | 15.95             | 24.52              | 26.12                 | 5.47                          | 17.14                  | 23.89                | 18.24                         |
| Expenditures in Million Dollars   |                |                          |                     |                       |                      |                             |                   |                    |                       |                               |                        |                      |                               |
| 1970                              | 21.1           | 168.7                    | 79.3                | 3.0                   | 67.2                 | 530.1                       | 1.3               | 49.0               | 729.9                 | 3.4                           | 923.1                  | 337.5                | 1,260.7                       |
| 1975                              | 40.1           | 300.4                    | 201.3               | 9.8                   | 156.9                | 942.1                       | 4.6               | 79.5               | 1,394.2               | 4.8                           | 1,739.5                | 624.4                | 2,363.9                       |
| 1980                              | 55.2           | 703.3                    | 588.6               | 29.6                  | 234.8                | 1,853.2                     | 6.8               | 170.4              | 2,883.4               | 36.3                          | 3,678.2                | 1,184.5              | 4,862.8                       |
| 1985                              | 71.1           | 995.6                    | 597.5               | 20.9                  | 233.9                | 1,566.0                     | 4.6               | 178.6              | 2,601.4               | 43.8                          | 3,738.8                | 1,666.6              | 5,405.4                       |
| 1990                              | 80.5           | 792.5                    | 688.0               | 30.7                  | 143.7                | 1,561.2                     | 1.8               | 147.2              | 2,572.5               | 22.3                          | 3,496.6                | 1,744.6              | 5,241.2                       |
| 1995                              | 84.3           | 992.1                    | 680.8               | 25.0                  | 454.8                | 1,571.3                     | 1.4               | 158.7              | 2,892.0               | 18.7                          | 3,987.0                | 2,069.2              | 6,056.2                       |
| 1996                              | 98.9           | 1,147.1                  | 879.8               | 23.6                  | 370.3                | 1,794.7                     | 1.7               | 166.3              | 3,236.5               | 25.5                          | 4,508.0                | 2,078.5              | 6,586.5                       |
| 1997                              | 103.1          | 1,204.6                  | 832.0               | 21.5                  | 326.6                | 1,760.6                     | 1.4               | 189.3              | 3,131.4               | 20.8                          | 4,459.8                | 2,156.8              | 6,616.6                       |
| 1998                              | 89.8           | 979.6                    | 703.7               | 24.4                  | 407.3                | 1,543.5                     | 1.5               | 175.1              | 2,855.6               | 7.3                           | 3,932.2                | 2,254.6              | 6,186.8                       |
| 1999                              | 99.3           | 1,054.2                  | 774.9               | 21.8                  | 517.8                | 1,671.8                     | 1.7               | 208.9              | 3,196.9               | 7.5                           | 4,357.9                | 2,255.0              | 6,612.9                       |
| 2000                              | 96.5           | 1,431.6                  | 1,069.0             | 30.5                  | 755.0                | 2,244.5                     | 2.9               | 226.9              | 4,328.8               | 9.9                           | 5,866.8                | 2,318.8              | 8,185.6                       |
| 2001                              | 94.1           | 1,565.0                  | 1,040.6             | 27.6                  | 676.5                | 2,165.0                     | 0.9               | 183.3              | 4,094.0               | 9.5                           | 5,762.6                | 2,422.4              | 8,185.0                       |
| 2002                              | 100.7          | 1,277.1                  | 948.4               | 24.5                  | 632.5                | 2,076.6                     | 1.1               | 205.6              | 3,888.7               | 13.6                          | 5,280.2                | 2,458.3              | 7,738.5                       |
| 2003                              | 98.0           | 1,657.6                  | 1,059.6             | 31.0                  | 552.9                | 2,360.7                     | 2.9               | 209.0              | 4,216.1               | 15.7                          | 5,987.4                | 2,519.3              | 8,506.7                       |
| 2004                              | 99.3           | 1,773.4                  | 1,407.5             | 46.2                  | 906.5                | 2,894.3                     | 8.1               | 238.5              | 5,501.0               | 17.2                          | 7,390.9                | 2,618.5              | 10,009.4                      |
| 2005                              | 120.0          | 2,215.6                  | 1,908.0             | 76.2                  | 1,227.4              | 3,537.8                     | 8.0               | 284.6              | 7,042.1               | 18.9                          | 9,396.7                | 2,859.4              | 12,256.1                      |
| 2006                              | 158.5          | 2,074.6                  | 2,252.6             | 89.1                  | 1,385.9              | 4,176.3                     | 2.3               | 346.1              | 8,252.3               | 21.3                          | 10,506.6               | 3,037.8              | 13,544.5                      |
| 2007                              | 150.3          | 2,465.1                  | 2,627.5             | 84.1                  | 1,227.3              | 4,641.3                     | 2.4               | 353.4              | 8,935.9               | 24.9                          | 11,576.2               | 3,092.9              | 14,669.2                      |
| 2008                              | 162.4          | 2,987.9                  | 3,504.6             | 101.7                 | <sup>R</sup> 1,785.4 | 5,133.4                     | 13.2              | 388.1              | <sup>R</sup> 10,926.5 | 30.0                          | <sup>R</sup> 14,106.8  | 3,135.3              | <sup>R</sup> 17,242.0         |
| 2009                              | 160.2          | 2,160.9                  | 2,155.8             | 38.5                  | <sup>R</sup> 1,468.5 | 3,774.3                     | 3.3               | <sup>R</sup> 348.7 | <sup>R</sup> 7,789.2  | 28.5                          | <sup>R</sup> 10,138.7  | 3,215.3              | <sup>R</sup> 13,354.1         |
| 2010                              | 184.7          | 2,079.2                  | 2,807.7             | 46.9                  | <sup>R</sup> 1,390.7 | 4,586.5                     | 1.7               | <sup>R</sup> 359.8 | <sup>R</sup> 9,193.3  | 30.3                          | <sup>R</sup> 11,487.5  | 3,479.7              | <sup>R</sup> 14,967.3         |
| 2011                              | 196.7          | 1,998.4                  | 3,728.4             | 86.6                  | <sup>R</sup> 1,559.8 | 5,860.7                     | 3.1               | <sup>R</sup> 398.4 | <sup>R</sup> 11,637.1 | 24.9                          | <sup>R</sup> 13,857.0  | 3,451.3              | <sup>R</sup> 17,308.3         |
| 2012                              | 179.5          | 1,634.3                  | 3,755.2             | 146.3                 | <sup>R</sup> 1,277.6 | 5,615.9                     | 1.2               | <sup>R</sup> 424.1 | <sup>R</sup> 11,220.3 | 25.0                          | <sup>R</sup> 13,059.1  | 3,524.3              | <sup>R</sup> 16,583.3         |
| 2013                              | 178.7          | <sup>R</sup> 1,988.9     | 3,735.7             | 138.7                 | <sup>R</sup> 1,558.7 | <sup>R</sup> 5,560.6        | 0.6               | <sup>R</sup> 471.3 | <sup>R</sup> 11,465.5 | <sup>R</sup> 32.3             | <sup>R</sup> 13,665.4  | <sup>R</sup> 3,769.0 | <sup>R</sup> 17,434.4         |
| 2014                              | 159.0          | 2,513.7                  | 3,773.7             | 113.7                 | 1,705.3              | 5,397.7                     | 0.6               | 476.0              | 11,467.0              | 34.9                          | 14,174.6               | 3,847.3              | 18,021.8                      |

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.<sup>b</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>c</sup> Liquefied petroleum gases, includes ethane and olefins.<sup>d</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.<sup>e</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and the other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."<sup>f</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.<sup>g</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass waste beginning in 1989.<sup>h</sup> There are no direct fuel costs for hydroelectric, geothermal, wind, photovoltaic, or solar thermal energy.<sup>i</sup> For 1981 through 1992, includes fuel ethanol blended into gasoline that is not shown in the motor gasoline column.

Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.

Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.

Notes: Price estimates are weighted averages of price estimates and expenditure estimates are the sum of expenditure estimates for the residential, commercial, industrial, and transportation sectors. • Expenditure totals may not equal sum of components due to independent rounding.

Web Page: All data available at <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                              | Primary Energy    |                          |                     |          |                  |         |                   |                    | Retail Electricity | Total Energy <sup>e</sup> |
|-----------------------------------|-------------------|--------------------------|---------------------|----------|------------------|---------|-------------------|--------------------|--------------------|---------------------------|
|                                   | Coal <sup>a</sup> | Natural Gas <sup>b</sup> | Petroleum           |          |                  |         | Biomass           | Total <sup>e</sup> |                    |                           |
|                                   |                   |                          | Distillate Fuel Oil | Kerosene | LPG <sup>c</sup> | Total   | Wood <sup>d</sup> |                    |                    |                           |
|                                   |                   |                          |                     |          |                  |         |                   |                    |                    |                           |
| Prices in Dollars per Million Btu |                   |                          |                     |          |                  |         |                   |                    |                    |                           |
| 1970                              | 1.27              | 0.96                     | 1.22                | 1.57     | 1.82             | 1.62    | 0.61              | 1.16               | 7.75               | 2.05                      |
| 1975                              | 3.69              | 1.42                     | 2.56                | 2.99     | 3.55             | 3.27    | 1.20              | 1.96               | 10.46              | 3.44                      |
| 1980                              | 3.31              | 3.18                     | 6.79                | 8.10     | 6.86             | 6.84    | 3.06              | 4.12               | 16.13              | 6.83                      |
| 1985                              | 3.41              | 5.33                     | 5.94                | 7.85     | 5.62             | 5.81    | 3.46              | 5.37               | 22.53              | 9.54                      |
| 1990                              | 2.41              | 4.96                     | 5.73                | 8.20     | 7.19             | 6.73    | 3.56              | 5.21               | 22.89              | 10.18                     |
| 1995                              | 2.31              | 5.07                     | 4.95                | 4.97     | 6.55             | 6.19    | 2.90              | 5.24               | 24.14              | 10.41                     |
| 1996                              | 2.42              | 5.46                     | 7.08                | 6.00     | 8.29             | 8.07    | 3.32              | 5.99               | 23.93              | 10.49                     |
| 1997                              | 2.42              | 6.11                     | 6.90                | 5.62     | 7.94             | 7.75    | 3.31              | 6.41               | 24.05              | 11.12                     |
| 1998                              | 2.38              | 5.90                     | 5.80                | 4.31     | 6.54             | 6.41    | 2.87              | 5.94               | 24.56              | 11.62                     |
| 1999                              | 2.32              | 5.98                     | 6.24                | 4.88     | 6.44             | 6.40    | 2.94              | 6.00               | 24.48              | 11.33                     |
| 2000                              | 2.39              | 7.77                     | 9.03                | 9.18     | 9.08             | 9.08    | 4.41              | 8.00               | 24.54              | 12.78                     |
| 2001                              | 2.34              | 8.87                     | 8.81                | 9.19     | 10.34            | 10.10   | 4.22              | 8.96               | 24.65              | 13.98                     |
| 2002                              | 2.65              | 7.06                     | 7.87                | 8.44     | 8.43             | 8.34    | 3.82              | 7.25               | 24.47              | 12.69                     |
| 2003                              | 2.79              | 9.11                     | 9.31                | 9.99     | 9.69             | 9.65    | 4.59              | 9.10               | 25.11              | 14.03                     |
| 2004                              | 3.34              | 10.11                    | 11.04               | 11.10    | 11.52            | 11.47   | 5.21              | 10.27              | 26.27              | 15.48                     |
| 2005                              | 3.67              | 12.22                    | 15.16               | 15.34    | 13.98            | 14.07   | 6.91              | 12.49              | 27.17              | 17.53                     |
| 2006                              | 4.51              | 12.26                    | 17.37               | 19.50    | 15.88            | 16.01   | 7.96              | 12.95              | 28.23              | 18.39                     |
| 2007                              | 4.13              | 11.64                    | 19.46               | 22.12    | 17.75            | 17.89   | 8.73              | 12.81              | 27.68              | 18.03                     |
| 2008                              | —                 | 11.79                    | 23.95               | 23.36    | 21.84            | 21.99   | 10.83             | 14.16              | 27.81              | 18.55                     |
| 2009                              | —                 | 9.76                     | 16.26               | 23.70    | 18.29            | 18.22   | 8.07              | 11.74              | 29.27              | 17.53                     |
| 2010                              | —                 | 9.51                     | 19.63               | 25.17    | 18.19            | 18.30   | 9.51              | 11.37              | 30.54              | 18.23                     |
| 2011                              | —                 | 9.46                     | 27.33               | 28.49    | 23.81            | R 24.09 | 11.43             | R 12.66            | 30.67              | R 19.07                   |
| 2012                              | —                 | 9.33                     | 27.24               | 29.88    | 22.97            | 23.18   | 12.72             | 12.29              | 31.71              | 19.94                     |
| 2013                              | —                 | R 8.85                   | 28.23               | 30.54    | 24.76            | 24.90   | 12.56             | R 12.08            | R 32.36            | R 19.11                   |
| 2014                              | —                 | 9.66                     | 27.29               | 32.87    | 28.35            | 28.31   | 12.24             | 13.02              | 32.71              | 19.56                     |
| Expenditures in Million Dollars   |                   |                          |                     |          |                  |         |                   |                    |                    |                           |
| 1970                              | 2.6               | 92.9                     | 15.8                | 2.9      | 50.4             | 69.2    | 0.2               | 164.9              | 171.3              | 336.2                     |
| 1975                              | 2.8               | 134.7                    | 26.9                | 2.3      | 97.9             | 127.2   | 0.5               | 265.1              | 297.5              | 562.6                     |
| 1980                              | 1.3               | 271.2                    | 94.5                | 2.2      | 108.3            | 205.0   | 5.2               | 482.7              | 552.6              | 1,035.3                   |
| 1985                              | 4.5               | 424.1                    | 51.6                | 5.1      | 68.3             | 125.0   | 7.4               | 560.9              | 757.4              | 1,318.3                   |
| 1990                              | 2.8               | 356.3                    | 30.9                | 1.1      | 80.1             | 112.1   | 7.8               | 479.1              | 821.2              | 1,300.3                   |
| 1995                              | 0.7               | 418.8                    | 22.5                | 0.7      | 105.5            | 128.7   | 5.6               | 553.7              | 958.7              | 1,512.4                   |
| 1996                              | 1.6               | 483.9                    | 31.9                | 1.0      | 179.1            | 212.0   | 6.6               | 704.1              | 941.9              | 1,646.0                   |
| 1997                              | 2.3               | 504.1                    | 29.1                | 0.9      | 159.2            | 189.2   | 5.1               | 700.7              | 958.1              | 1,658.8                   |
| 1998                              | 1.8               | 410.7                    | 18.6                | 0.6      | 111.0            | 130.2   | 3.9               | 546.5              | 993.5              | 1,540.0                   |
| 1999                              | 2.8               | 435.7                    | 19.5                | 0.7      | 136.8            | 156.9   | 4.1               | 599.5              | 991.1              | 1,590.6                   |
| 2000                              | 1.8               | 576.8                    | 25.3                | 1.4      | 195.8            | 222.5   | 6.6               | 807.7              | 1,007.3            | 1,815.0                   |
| 2001                              | 1.7               | 632.6                    | 21.3                | 1.9      | 143.2            | 166.4   | 6.3               | 807.0              | 1,045.2            | 1,852.2                   |
| 2002                              | 2.4               | 506.5                    | 26.6                | 1.1      | 151.2            | 178.8   | 5.8               | 693.6              | 1,078.9            | 1,772.5                   |
| 2003                              | 2.5               | 676.6                    | 21.1                | 1.1      | 183.4            | 205.6   | 7.3               | 892.0              | 1,094.0            | 1,986.0                   |
| 2004                              | 1.4               | 692.8                    | 20.7                | 1.7      | 191.2            | 213.6   | 8.5               | 916.3              | 1,131.6            | 2,047.9                   |
| 2005                              | 1.9               | 827.4                    | 20.0                | 1.9      | 246.4            | 268.3   | 9.4               | 1,107.1            | 1,258.2            | 2,365.3                   |
| 2006                              | 2.9               | 768.1                    | 24.3                | 1.7      | 259.2            | 285.2   | 9.6               | 1,065.8            | 1,285.3            | 2,351.1                   |
| 2007                              | 3.1               | 796.8                    | 25.8                | 1.2      | 295.5            | 322.6   | 11.7              | 1,134.2            | 1,328.2            | 2,462.3                   |
| 2008                              | —                 | 898.6                    | 39.6                | 0.8      | 479.1            | 519.5   | 16.2              | 1,434.3            | 1,335.6            | 2,769.9                   |
| 2009                              | —                 | 689.2                    | 17.1                | 1.9      | 391.2            | 410.2   | 14.1              | 1,113.5            | 1,370.6            | 2,484.1                   |
| 2010                              | —                 | 654.4                    | 21.6                | 2.1      | R 321.3          | R 345.1 | 14.5              | R 1,014.0          | 1,516.9            | 2,530.8                   |
| 2011                              | —                 | 640.1                    | 39.9                | 1.8      | R 418.9          | R 460.6 | 17.8              | R 1,118.5          | 1,499.1            | R 2,617.6                 |
| 2012                              | —                 | 528.4                    | 20.1                | 0.3      | 334.0            | 354.4   | 18.5              | 901.4              | 1,513.4            | 2,414.7                   |
| 2013                              | —                 | 651.9                    | 20.9                | 0.3      | 438.3            | 459.6   | 25.3              | 1,136.8            | R 1,615.0          | R 2,751.8                 |
| 2014                              | —                 | 767.3                    | 21.2                | 0.7      | 476.1            | 498.0   | 24.6              | 1,289.9            | 1,610.0            | 2,900.0                   |

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

<sup>b</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>c</sup> Liquefied petroleum gases, includes ethane and olefins.

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

<sup>e</sup> There are no direct fuel costs for geothermal, photovoltaic, or solar thermal energy.

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 <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                              | Primary Energy |                          |                     |          |                  |                             |                   |                    |             |                               | Retail Electricity | Total Energy f,g,h |
|-----------------------------------|----------------|--------------------------|---------------------|----------|------------------|-----------------------------|-------------------|--------------------|-------------|-------------------------------|--------------------|--------------------|
|                                   | Coal           | Natural Gas <sup>a</sup> | Petroleum           |          |                  |                             |                   | Biomass            | Total f,g,h |                               |                    |                    |
|                                   |                |                          | Distillate Fuel Oil | Kerosene | LPG <sup>b</sup> | Motor Gasoline <sup>c</sup> | Residual Fuel Oil | Total <sup>d</sup> |             | Wood and Waste <sup>e,f</sup> |                    |                    |
|                                   |                |                          |                     |          |                  |                             |                   |                    |             |                               |                    |                    |
| Prices in Dollars per Million Btu |                |                          |                     |          |                  |                             |                   |                    |             |                               |                    |                    |
| 1970                              | 0.41           | 0.68                     | 1.05                | 0.81     | 1.15             | 2.83                        | 0.66              | 1.31               | 0.61        | 0.77                          | 7.68               | 1.82               |
| 1975                              | 1.24           | 1.05                     | 2.40                | 2.30     | 2.39             | 4.59                        | 1.69              | 2.72               | 1.20        | 1.26                          | 10.55              | 2.95               |
| 1980                              | 1.59           | 2.84                     | 6.44                | 5.52     | 4.68             | 9.97                        | 3.80              | 6.68               | 3.06        | 3.35                          | 15.93              | 6.32               |
| 1985                              | 1.66           | 4.80                     | 6.03                | 7.85     | 8.06             | 9.47                        | 4.07              | 6.78               | 3.46        | 4.87                          | 21.88              | 9.24               |
| 1990                              | 1.34           | 4.01                     | 5.44                | 8.20     | 4.77             | 9.38                        | 2.36              | 5.81               | 3.56        | 3.97                          | 18.30              | 8.53               |
| 1995                              | 1.40           | 4.12                     | 4.30                | 4.97     | 7.71             | 8.75                        | —                 | 5.74               | 2.57        | 4.15                          | 18.74              | 9.20               |
| 1996                              | 1.38           | 4.56                     | 5.24                | 6.00     | 9.35             | 9.58                        | 2.94              | 7.77               | 2.96        | 4.61                          | 18.88              | 9.03               |
| 1997                              | 1.38           | 5.13                     | 4.92                | 5.62     | 9.88             | 9.49                        | —                 | 8.13               | 1.73        | 4.94                          | 19.15              | 9.44               |
| 1998                              | 1.33           | 4.62                     | 3.83                | 4.31     | 8.82             | 8.01                        | 2.64              | 6.52               | 2.02        | 4.49                          | 19.35              | 9.83               |
| 1999                              | 1.33           | 4.70                     | 4.35                | 4.88     | 8.25             | 8.67                        | —                 | 6.79               | 2.21        | 4.46                          | 18.84              | 9.42               |
| 2000                              | 1.41           | 6.66                     | 7.05                | 9.18     | 10.97            | 11.71                       | 3.24              | 9.65               | 3.40        | 6.52                          | 19.07              | 11.03              |
| 2001                              | 1.42           | 7.21                     | 6.52                | 9.19     | 12.38            | 11.29                       | 3.28              | 9.30               | 3.23        | 6.89                          | 18.98              | 11.47              |
| 2002                              | 1.51           | 5.49                     | 5.90                | 8.44     | 9.15             | 10.49                       | 2.77              | 8.39               | 2.61        | 5.43                          | 18.13              | 10.33              |
| 2003                              | 1.44           | 7.69                     | 7.09                | 9.99     | 11.40            | 11.86                       | —                 | 9.40               | 3.00        | 7.31                          | 18.30              | 11.49              |
| 2004                              | 1.56           | 8.48                     | 9.22                | 11.10    | 13.39            | 14.11                       | —                 | 12.32              | 2.85        | 8.61                          | 19.77              | 12.83              |
| 2005                              | 1.81           | 10.56                    | 13.72               | 15.34    | 16.19            | 17.36                       | 6.59              | 15.64              | 3.32        | 10.23                         | 20.37              | 14.20              |
| 2006                              | 2.31           | 10.25                    | 15.85               | 19.50    | 17.97            | 19.90                       | 7.72              | 18.05              | 3.08        | 10.93                         | 21.37              | 14.92              |
| 2007                              | 2.18           | 9.87                     | 17.41               | 22.12    | 19.41            | 22.37                       | —                 | 20.68              | 3.82        | 10.98                         | 20.83              | 14.74              |
| 2008                              | 3.49           | 10.15                    | 23.92               | 23.36    | 23.11            | 25.49                       | —                 | 24.20              | 5.23        | 11.94                         | 21.05              | 15.16              |
| 2009                              | 3.38           | 7.83                     | 14.13               | 23.70    | 18.66            | 18.69                       | —                 | 17.59              | 3.69        | 9.42                          | 22.14              | 13.65              |
| 2010                              | 2.96           | 7.76                     | 17.91               | 25.17    | 19.60            | 22.13                       | 11.66             | 20.67              | 4.17        | 10.25                         | 23.19              | 14.79              |
| 2011                              | 2.87           | 7.48                     | 24.31               | 28.49    | 21.75            | 28.19                       | —                 | R 26.01            | 4.48        | R 11.44                       | 23.02              | R 15.48            |
| 2012                              | 2.78           | 7.03                     | 24.86               | 29.88    | 19.42            | 28.80                       | 16.91             | 25.98              | 4.48        | R 11.95                       | 23.47              | 16.28              |
| 2013                              | 2.76           | R 6.86                   | 24.49               | 30.54    | 20.70            | 28.08                       | —                 | 25.65              | R 4.81      | R 11.05                       | 24.73              | R 15.69            |
| 2014                              | 2.67           | 7.85                     | 22.83               | 32.87    | 23.26            | 26.86                       | —                 | 24.60              | 4.46        | 11.25                         | 25.42              | 15.98              |
| Expenditures in Million Dollars   |                |                          |                     |          |                  |                             |                   |                    |             |                               |                    |                    |
| 1970                              | 0.7            | 39.4                     | 5.5                 | 0.1      | 3.5              | 4.0                         | 0.3               | 13.4               | (s)         | 53.4                          | 95.8               | 149.3              |
| 1975                              | 2.2            | 71.1                     | 10.1                | 0.1      | 7.3              | 7.8                         | 1.2               | 26.5               | (s)         | 99.8                          | 184.3              | 284.1              |
| 1980                              | 2.3            | 144.0                    | 28.2                | 0.2      | 8.2              | 18.3                        | 1.9               | 56.7               | 0.1         | 203.1                         | 299.0              | 502.1              |
| 1985                              | 7.7            | 231.3                    | 41.0                | 0.3      | 10.9             | 11.8                        | (s)               | 64.0               | 0.2         | 303.5                         | 470.8              | 774.3              |
| 1990                              | 6.3            | 177.3                    | 18.3                | 1.8      | 5.9              | 7.0                         | 0.4               | 33.3               | 0.9         | 217.9                         | 470.2              | 688.1              |
| 1995                              | 2.7            | 208.4                    | 10.4                | 0.1      | 13.8             | 1.6                         | —                 | 26.0               | 0.8         | 237.9                         | 568.5              | 806.5              |
| 1996                              | 6.6            | 250.5                    | 10.9                | 0.1      | 22.4             | 12.2                        | (s)               | 45.7               | 1.0         | 303.8                         | 558.8              | 862.6              |
| 1997                              | 10.8           | 260.0                    | 9.2                 | 0.3      | 22.0             | 22.0                        | —                 | 53.6               | 1.5         | 325.9                         | 584.4              | 910.3              |
| 1998                              | 8.1            | 200.9                    | 10.3                | 0.1      | 16.6             | 19.6                        | (s)               | 46.8               | 0.8         | 256.6                         | 619.7              | 876.3              |
| 1999                              | 11.9           | 215.0                    | 12.3                | 0.1      | 19.5             | 19.6                        | —                 | 51.6               | 0.8         | 279.3                         | 621.6              | 900.8              |
| 2000                              | 8.6            | 305.1                    | 19.7                | 0.3      | 26.3             | 32.6                        | 0.1               | 79.0               | 1.2         | 393.9                         | 646.1              | 1,040.1            |
| 2001                              | 8.4            | 332.3                    | 20.6                | 0.7      | 19.1             | 32.2                        | (s)               | 72.7               | 1.3         | 414.7                         | 698.0              | 1,112.7            |
| 2002                              | 10.0           | 255.8                    | 15.6                | 0.3      | 18.2             | 35.0                        | (s)               | 69.3               | 1.4         | 336.6                         | 707.1              | 1,043.7            |
| 2003                              | 8.7            | 370.7                    | 28.8                | 0.2      | 21.6             | 40.3                        | —                 | 91.2               | 2.2         | 472.8                         | 726.5              | 1,199.3            |
| 2004                              | 5.8            | 392.0                    | 25.0                | 0.3      | 24.4             | 74.1                        | —                 | 124.1              | 2.5         | 524.5                         | 731.2              | 1,255.7            |
| 2005                              | 10.8           | 480.0                    | 25.2                | 1.3      | 25.5             | 66.9                        | 0.1               | 119.4              | 3.0         | 613.2                         | 783.4              | 1,396.5            |
| 2006                              | 14.9           | 450.7                    | 58.1                | 0.5      | 35.9             | 140.4                       | 0.1               | 235.4              | 2.8         | 703.9                         | 850.3              | 1,554.2            |
| 2007                              | 14.8           | 462.3                    | 24.9                | 0.4      | 39.5             | 185.5                       | —                 | 250.7              | 3.2         | 731.0                         | 858.7              | 1,589.7            |
| 2008                              | 20.8           | 575.0                    | 51.6                | 0.2      | 62.0             | 193.8                       | —                 | 308.2              | 3.4         | 907.4                         | 874.8              | 1,782.2            |
| 2009                              | 20.6           | 446.8                    | 41.8                | 0.1      | 74.3             | 167.7                       | —                 | 284.3              | 2.6         | 754.4                         | 884.2              | 1,638.6            |
| 2010                              | 18.1           | 403.6                    | 48.3                | 0.2      | 48.6             | 256.5                       | 0.2               | 354.3              | 3.1         | 779.1                         | 951.5              | 1,730.6            |
| 2011                              | 16.4           | 391.7                    | 95.5                | 0.3      | R 64.4           | 306.0                       | —                 | R 466.5            | 3.6         | R 878.1                       | 949.3              | R 1,827.4          |
| 2012                              | 13.6           | 312.1                    | 139.1               | 0.2      | 45.6             | 312.2                       | 0.3               | 498.2              | 3.4         | 827.3                         | 977.7              | 1,805.0            |
| 2013                              | 13.2           | 394.4                    | 136.5               | 0.2      | 51.4             | R 312.4                     | —                 | R 501.1            | R 3.7       | R 912.4                       | R 1,050.0          | R 1,962.4          |
| 2014                              | 12.7           | 468.1                    | 116.9               | 0.2      | 54.8             | 287.4                       | —                 | 460.2              | 4.1         | 945.2                         | 1,070.3            | 2,015.5            |

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Liquefied petroleum gases, includes ethane and olefins.

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

<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, wind, photovoltaic, or solar thermal energy.

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

gasoline column.

Where shown, — = 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. • Commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

Web Page: All data are available at <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                              | Primary Energy |            |       |                          |                     |                  |                             |                   |                    |           |             |                    | Retail Electricity | Total Energy f,g,h |
|-----------------------------------|----------------|------------|-------|--------------------------|---------------------|------------------|-----------------------------|-------------------|--------------------|-----------|-------------|--------------------|--------------------|--------------------|
|                                   | Coal           |            |       | Natural Gas <sup>a</sup> | Petroleum           |                  |                             |                   |                    | Biomass   | Total f,g,h |                    |                    |                    |
|                                   | Coking Coal    | Steam Coal | Total |                          | Distillate Fuel Oil | LPG <sup>b</sup> | Motor Gasoline <sup>c</sup> | Residual Fuel Oil | Other <sup>d</sup> | Total     |             | Wood and Waste e,f |                    |                    |
|                                   |                |            |       |                          |                     |                  |                             |                   |                    |           |             |                    |                    |                    |
| Prices in Dollars per Million Btu |                |            |       |                          |                     |                  |                             |                   |                    |           |             |                    |                    |                    |
| 1970                              | —              | 0.41       | 0.41  | 0.36                     | 0.75                | 1.18             | 2.83                        | 0.57              | 1.15               | 1.48      | 4.00        | 0.84               | 3.87               | 1.05               |
| 1975                              | —              | 1.24       | 1.24  | 0.77                     | 2.15                | 2.51             | 4.59                        | 1.92              | 2.57               | 2.87      | 4.00        | 1.62               | 6.31               | 2.02               |
| 1980                              | —              | 1.59       | 1.59  | 2.51                     | 5.28                | 4.94             | 9.97                        | 2.88              | 6.04               | 6.06      | 3.95        | 3.69               | 10.47              | 4.48               |
| 1985                              | —              | 1.66       | 1.66  | 3.87                     | 6.28                | 8.72             | 9.47                        | 4.07              | 6.70               | 7.31      | 3.95        | 4.72               | 13.50              | 5.91               |
| 1990                              | —              | 1.34       | 1.34  | 2.85                     | 5.81                | 5.13             | 9.38                        | 2.36              | 5.57               | 5.94      | 1.65        | 3.28               | 11.66              | 4.59               |
| 1995                              | —              | 1.40       | 1.40  | 3.21                     | 4.87                | 7.59             | 8.75                        | 2.38              | 6.18               | 6.50      | 2.42        | 3.98               | 11.53              | 5.09               |
| 1996                              | —              | 1.38       | 1.38  | 3.61                     | 5.86                | 9.26             | 9.58                        | 2.94              | 5.61               | 6.83      | 2.40        | 3.97               | 11.45              | 5.16               |
| 1997                              | —              | 1.38       | 1.38  | 4.07                     | 5.37                | 9.02             | 9.49                        | 3.05              | 5.46               | 6.38      | 2.38        | 4.08               | 11.59              | 5.35               |
| 1998                              | —              | 1.33       | 1.33  | 3.45                     | 4.24                | 7.88             | 8.01                        | 2.64              | 5.33               | 5.94      | 1.48        | 3.88               | 11.69              | 5.21               |
| 1999                              | —              | 1.33       | 1.33  | 3.90                     | 5.02                | 8.08             | 8.67                        | 2.69              | 5.16               | 6.45      | 1.48        | 4.30               | 11.41              | 5.50               |
| 2000                              | —              | 1.41       | 1.41  | 5.46                     | 7.97                | 11.25            | 11.71                       | 3.24              | 6.98               | 9.32      | 1.47        | 6.07               | 11.39              | 7.01               |
| 2001                              | —              | 1.42       | 1.42  | 6.46                     | 7.28                | 11.93            | 11.29                       | 3.28              | 6.58               | 9.30      | 1.46        | 6.43               | 12.26              | 7.46               |
| 2002                              | —              | 1.51       | 1.51  | 5.56                     | 6.59                | 9.95             | 10.49                       | 2.77              | 6.26               | 8.20      | 1.47        | 5.68               | 11.91              | 6.78               |
| 2003                              | —              | 1.44       | 1.44  | 6.48                     | 7.84                | 12.31            | 11.86                       | 3.11              | 6.80               | 9.44      | 1.47        | 6.13               | 12.19              | 7.30               |
| 2004                              | —              | 1.56       | 1.56  | 7.31                     | 10.08               | 13.69            | 14.11                       | 4.58              | 6.49               | 11.24     | 1.47        | 7.56               | 12.70              | 8.49               |
| 2005                              | —              | 1.81       | 1.81  | 9.40                     | 14.39               | 16.92            | 17.36                       | 6.59              | 7.19               | 14.28     | 1.47        | 9.69               | 13.38              | 10.36              |
| 2006                              | —              | 2.31       | 2.31  | 8.36                     | 16.44               | 18.73            | 19.90                       | 7.72              | 10.99              | 16.90     | 1.35        | 10.30              | 14.42              | 11.05              |
| 2007                              | —              | 2.18       | 2.18  | 8.47                     | 18.50               | 21.02            | 22.37                       | 8.51              | 13.02              | 18.94     | 1.35        | 10.25              | 13.89              | 10.89              |
| 2008                              | —              | 2.46       | 2.46  | 9.23                     | 24.88               | 25.06            | 25.49                       | 12.35             | 14.21              | R 23.20   | 1.38        | R 12.27            | 14.09              | R 12.57            |
| 2009                              | —              | 2.65       | 2.65  | 6.19                     | 14.89               | 19.52            | 18.69                       | 7.98              | R 14.45            | R 17.29   | 1.35        | R 8.97             | 15.46              | R 10.00            |
| 2010                              | —              | 2.52       | 2.52  | 6.06                     | 18.85               | 22.15            | 22.13                       | 11.66             | R 18.51            | R 20.55   | 1.38        | R 9.40             | 15.71              | R 10.40            |
| 2011                              | —              | 2.56       | 2.56  | 5.73                     | 25.47               | R 24.67          | 28.19                       | 15.63             | R 21.02            | R 24.81   | 2.15        | R 10.42            | 15.28              | R 11.22            |
| 2012                              | —              | 2.61       | 2.61  | 4.64                     | 25.67               | 19.67            | 28.80                       | 16.91             | R 20.62            | R 22.47   | 2.12        | R 9.48             | 15.52              | R 10.48            |
| 2013                              | —              | 2.57       | 2.57  | R 5.35                   | 25.05               | 20.92            | 28.08                       | 16.68             | R 17.96            | R 22.17   | R 1.98      | R 9.98             | 16.48              | R 11.02            |
| 2014                              | —              | 2.49       | 2.49  | 7.13                     | 23.38               | 23.84            | 26.86                       | 15.95             | 18.13              | 22.92     | 1.78        | 11.14              | 16.74              | 12.07              |
| Expenditures in Million Dollars   |                |            |       |                          |                     |                  |                             |                   |                    |           |             |                    |                    |                    |
| 1970                              | —              | 17.8       | 17.8  | 36.3                     | 25.8                | 13.0             | 80.0                        | 0.9               | 28.5               | 148.2     | 3.2         | 205.6              | 70.5               | 276.1              |
| 1975                              | —              | 35.1       | 35.1  | 94.6                     | 58.6                | 51.2             | 91.5                        | 3.4               | 51.0               | 255.7     | 4.3         | 389.7              | 142.6              | 532.3              |
| 1980                              | —              | 51.6       | 51.6  | 288.2                    | 144.4               | 117.6            | 136.7                       | 5.0               | 114.3              | 518.0     | 31.0        | 888.7              | 332.9              | 1,221.6            |
| 1985                              | —              | 58.9       | 58.9  | 340.2                    | 182.0               | 151.3            | 84.8                        | 4.6               | 116.6              | 539.2     | 36.3        | 976.1              | 438.4              | 1,414.4            |
| 1990                              | —              | 71.3       | 71.3  | 259.0                    | 162.7               | 56.5             | 52.8                        | 1.4               | 72.9               | 346.3     | 13.7        | 691.2              | 453.3              | 1,144.5            |
| 1995                              | —              | 80.9       | 80.9  | 364.8                    | 159.8               | 332.6            | 47.4                        | 1.4               | 87.6               | 628.7     | 12.3        | 1,086.7            | 541.9              | 1,628.7            |
| 1996                              | —              | 90.7       | 90.7  | 412.7                    | 213.0               | 164.1            | 55.2                        | 1.7               | 96.8               | 530.8     | 17.9        | 1,052.0            | 577.9              | 1,629.9            |
| 1997                              | —              | 89.9       | 89.9  | 440.4                    | 202.4               | 141.2            | 54.0                        | 1.4               | 115.2              | 514.3     | 14.2        | 1,058.8            | 614.2              | 1,673.0            |
| 1998                              | —              | 79.9       | 79.9  | 367.8                    | 162.3               | 278.8            | 37.6                        | 1.5               | 100.2              | 580.3     | 2.6         | 1,030.7            | 641.5              | 1,672.1            |
| 1999                              | —              | 84.6       | 84.6  | 403.3                    | 172.7               | 361.4            | 39.7                        | 1.7               | 127.2              | 702.7     | 2.6         | 1,193.3            | 642.3              | 1,835.5            |
| 2000                              | —              | 86.1       | 86.1  | 549.4                    | 279.3               | 532.4            | 47.9                        | 2.9               | 144.2              | 1,006.7   | 2.1         | 1,644.3            | 665.4              | 2,309.7            |
| 2001                              | —              | 83.9       | 83.9  | 600.0                    | 288.4               | 508.9            | 70.7                        | 0.9               | 103.2              | 972.2     | 1.9         | 1,658.0            | 679.2              | 2,337.2            |
| 2002                              | —              | 88.3       | 88.3  | 514.6                    | 238.2               | 462.5            | 69.1                        | 1.0               | 118.3              | 889.2     | 6.4         | 1,498.5            | 672.3              | 2,170.8            |
| 2003                              | —              | 86.7       | 86.7  | 610.1                    | 215.5               | 344.5            | 81.7                        | 2.9               | 121.4              | 766.0     | 6.2         | 1,469.0            | 698.9              | 2,167.8            |
| 2004                              | —              | 92.1       | 92.1  | 688.2                    | 268.1               | 687.6            | 124.6                       | 8.1               | 145.2              | 1,233.7   | 6.2         | 2,020.2            | 755.7              | 2,775.9            |
| 2005                              | —              | 107.3      | 107.3 | 908.2                    | 380.8               | 950.5            | 141.5                       | 7.9               | 169.9              | 1,650.6   | 6.5         | 2,672.6            | 817.8              | 3,490.4            |
| 2006                              | —              | 140.6      | 140.6 | 855.7                    | 421.4               | 1,085.5          | 175.9                       | 2.2               | 218.6              | 1,903.5   | 8.9         | 2,908.8            | 902.2              | 3,811.0            |
| 2007                              | —              | 132.4      | 132.4 | 1,206.0                  | 501.2               | 884.8            | 160.7                       | 2.4               | 213.8              | 1,762.9   | 10.0        | 3,111.3            | 906.1              | 4,017.4            |
| 2008                              | —              | 141.7      | 141.7 | 1,514.3                  | 810.1               | R 1,229.2        | 144.0                       | 13.2              | 232.5              | R 2,429.1 | 10.3        | R 4,095.4          | 924.8              | R 5,020.2          |
| 2009                              | —              | 139.6      | 139.6 | 1,024.9                  | 477.1               | R 990.4          | 109.8                       | 3.3               | R 205.7            | R 1,786.2 | 11.7        | R 2,962.4          | 960.5              | R 3,923.0          |
| 2010                              | —              | 166.6      | 166.6 | 1,021.3                  | 666.3               | R 997.0          | 148.4                       | 1.5               | R 195.3            | R 2,008.5 | 12.6        | R 3,209.0          | 1,011.3            | R 4,220.3          |
| 2011                              | —              | 180.4      | 180.4 | 966.6                    | 875.2               | R 1,053.5        | 193.6                       | 3.1               | R 214.1            | R 2,339.5 | 3.4         | R 3,489.9          | 1,002.8            | R 4,492.7          |
| 2012                              | —              | 165.8      | 165.8 | 793.9                    | 932.4               | R 881.3          | 143.6                       | 0.9               | R 249.5            | R 2,207.7 | R 3.0       | R 3,170.5          | 1,033.2            | R 4,203.7          |
| 2013                              | —              | 165.4      | 165.4 | R 942.3                  | 894.1               | R 1,046.0        | R 137.9                     | 0.6               | R 295.6            | R 2,374.3 | R 3.4       | R 3,485.4          | R 1,104.0          | R 4,589.5          |
| 2014                              | —              | 146.2      | 146.2 | 1,278.1                  | 896.6               | 1,153.0          | 106.8                       | 0.6               | 291.9              | 2,449.0   | 6.1         | 3,879.4            | 1,166.9            | 5,046.3            |

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.<sup>b</sup> Liquefied petroleum gases, includes ethane and olefins.<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, and the other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."<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, wind, photovoltaic, or solar thermal energy.<sup>h</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.

Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.

Notes: Expenditure totals may not equal sum of components due to independent rounding. • Industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

Web Page: All data are available at <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET6. Transportation Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| Year                              | Primary Energy |             |                   |                     |                       |                  |            |                             |                   |                    |           | Retail Electricity | Total Energy <sup>d</sup> |
|-----------------------------------|----------------|-------------|-------------------|---------------------|-----------------------|------------------|------------|-----------------------------|-------------------|--------------------|-----------|--------------------|---------------------------|
|                                   | Coal           | Natural Gas | Petroleum         |                     |                       |                  |            |                             |                   | Total <sup>d</sup> |           |                    |                           |
|                                   |                |             | Aviation Gasoline | Distillate Fuel Oil | Jet Fuel <sup>a</sup> | LPG <sup>b</sup> | Lubricants | Motor Gasoline <sup>c</sup> | Residual Fuel Oil |                    | Total     |                    |                           |
|                                   |                |             |                   |                     |                       |                  |            |                             |                   |                    |           |                    |                           |
| Prices in Dollars per Million Btu |                |             |                   |                     |                       |                  |            |                             |                   |                    |           |                    |                           |
| 1970                              | 0.41           | —           | 2.17              | 1.27                | 0.75                  | 1.15             | 5.08       | 2.83                        | 0.66              | 2.60               | 2.60      | —                  | 2.60                      |
| 1975                              | 1.24           | —           | 3.45              | 2.65                | 2.09                  | 2.39             | 7.48       | 4.59                        | —                 | 4.24               | 4.24      | —                  | 4.24                      |
| 1980                              | —              | —           | 9.02              | 6.97                | 6.47                  | 4.68             | 14.36      | 9.97                        | —                 | 9.34               | 9.34      | —                  | 9.34                      |
| 1985                              | —              | —           | 9.99              | 6.85                | 6.28                  | 9.72             | 18.18      | 9.47                        | —                 | 8.95               | 8.96      | —                  | 8.96                      |
| 1990                              | —              | 6.43        | 9.32              | 8.74                | 6.11                  | 7.31             | 20.61      | 9.38                        | 1.82              | 9.31               | 9.31      | —                  | 9.31                      |
| 1995                              | —              | 2.96        | 8.36              | 7.79                | 4.22                  | 12.70            | 21.75      | 8.75                        | —                 | 8.56               | 8.56      | —                  | 8.56                      |
| 1996                              | —              | 2.68        | 9.29              | 8.74                | 5.08                  | 12.46            | 21.63      | 9.58                        | —                 | 9.41               | 9.41      | —                  | 9.41                      |
| 1997                              | —              | 5.36        | 9.39              | 8.53                | 4.79                  | 11.87            | 21.82      | 9.49                        | —                 | 9.30               | 9.30      | —                  | 9.30                      |
| 1998                              | —              | 4.77        | 8.11              | 7.22                | 3.63                  | 11.38            | 21.44      | 8.01                        | —                 | 7.85               | 7.85      | 15.54              | 7.85                      |
| 1999                              | —              | 2.52        | 8.81              | 7.94                | 4.35                  | 13.37            | 23.04      | 8.67                        | —                 | 8.57               | 8.57      | 15.92              | 8.57                      |
| 2000                              | —              | 6.03        | 10.87             | 10.62               | 6.96                  | 15.93            | 23.20      | 11.71                       | —                 | 11.49              | 11.48     | 15.56              | 11.48                     |
| 2001                              | —              | 5.59        | 11.01             | 10.08               | 6.27                  | 17.01            | 24.51      | 11.29                       | —                 | 11.04              | 11.04     | 15.50              | 11.04                     |
| 2002                              | —              | 4.33        | 10.72             | 9.31                | 5.53                  | 15.31            | 26.70      | 10.49                       | —                 | 10.27              | 10.27     | 14.80              | 10.27                     |
| 2003                              | —              | 5.33        | 12.42             | 10.57               | 6.89                  | 17.50            | 28.94      | 11.86                       | —                 | 11.60              | 11.60     | —                  | 11.60                     |
| 2004                              | —              | 6.43        | 15.13             | 12.64               | 8.95                  | 19.12            | 30.11      | 14.11                       | —                 | 13.73              | 13.73     | —                  | 13.73                     |
| 2005                              | —              | 8.20        | 18.56             | 16.85               | 13.57                 | 21.36            | 35.22      | 17.36                       | —                 | 17.31              | 17.31     | —                  | 17.31                     |
| 2006                              | —              | 10.09       | 22.31             | 19.13               | 15.21                 | 23.00            | 43.88      | 19.90                       | —                 | 19.79              | 19.79     | 20.66              | 19.79                     |
| 2007                              | —              | 11.56       | 23.70             | 20.77               | 16.48                 | 25.20            | 47.16      | 22.37                       | —                 | 21.97              | 21.97     | —                  | 21.97                     |
| 2008                              | —              | —           | 27.23             | 27.21               | 22.81                 | 29.16            | 55.12      | 25.49                       | —                 | 26.29              | 26.29     | —                  | 26.29                     |
| 2009                              | —              | —           | 20.32             | 17.67               | 12.94                 | 23.98            | 56.07      | 18.69                       | —                 | 18.62              | 18.62     | —                  | 18.62                     |
| 2010                              | —              | —           | 25.19             | 21.31               | 16.79                 | 26.30            | 58.80      | 22.13                       | —                 | 22.15              | 22.15     | —                  | 22.15                     |
| 2011                              | —              | —           | 31.64             | 27.59               | 23.03                 | 29.06            | 69.54      | 28.19                       | —                 | 28.27              | 28.27     | —                  | 28.27                     |
| 2012                              | —              | —           | 33.04             | 28.23               | 23.44                 | 28.10            | 72.11      | 28.80                       | —                 | 28.84              | 28.84     | —                  | 28.84                     |
| 2013                              | —              | R 9.56      | 32.71             | 28.00               | 22.81                 | 30.13            | 69.42      | 28.08                       | —                 | 28.30              | 28.30     | —                  | 28.30                     |
| 2014                              | —              | 12.20       | 33.16             | 27.25               | 20.10                 | 34.21            | 69.44      | 26.86                       | —                 | 27.24              | 27.24     | —                  | 27.24                     |
| Expenditures in Million Dollars   |                |             |                   |                     |                       |                  |            |                             |                   |                    |           |                    |                           |
| 1970                              | (s)            | —           | 2.8               | 32.2                | 3.0                   | 0.3              | 14.8       | 446.0                       | 0.1               | 499.1              | 499.2     | —                  | 499.2                     |
| 1975                              | (s)            | —           | 3.3               | 105.7               | 9.8                   | 0.5              | 22.7       | 842.8                       | —                 | 984.9              | 984.9     | —                  | 984.9                     |
| 1980                              | —              | —           | 8.4               | 321.6               | 29.6                  | 0.6              | 45.4       | 1,698.2                     | —                 | 2,103.8            | 2,103.8   | —                  | 2,103.8                   |
| 1985                              | —              | —           | 4.2               | 323.0               | 20.9                  | 3.3              | 52.3       | 1,469.4                     | —                 | 1,873.1            | 1,898.4   | —                  | 1,898.4                   |
| 1990                              | —              | (s)         | 4.7               | 476.1               | 30.7                  | 1.2              | 66.8       | 1,501.4                     | (s)               | 2,080.7            | 2,108.4   | —                  | 2,108.4                   |
| 1995                              | —              | (s)         | 3.0               | 488.1               | 25.0                  | 2.8              | 67.2       | 1,522.3                     | —                 | 2,108.6            | 2,108.6   | —                  | 2,108.6                   |
| 1996                              | —              | 0.1         | 3.4               | 624.1               | 23.6                  | 4.7              | 64.9       | 1,727.3                     | —                 | 2,448.0            | 2,448.0   | —                  | 2,448.0                   |
| 1997                              | —              | 0.2         | 3.7               | 591.3               | 21.5                  | 4.2              | 69.1       | 1,684.5                     | —                 | 2,374.3            | 2,374.5   | —                  | 2,374.5                   |
| 1998                              | —              | 0.2         | 3.0               | 512.5               | 24.4                  | 0.9              | 71.1       | 1,486.3                     | —                 | 2,098.3            | 2,098.4   | (s)                | 2,098.4                   |
| 1999                              | —              | 0.1         | 3.6               | 570.4               | 21.8                  | 0.2              | 77.2       | 1,612.5                     | —                 | 2,285.8            | 2,285.9   | (s)                | 2,285.9                   |
| 2000                              | —              | 0.2         | 4.3               | 744.6               | 30.5                  | 0.5              | 76.6       | 2,164.0                     | —                 | 3,020.5            | 3,020.8   | (s)                | 3,020.8                   |
| 2001                              | —              | 0.2         | 3.2               | 710.3               | 27.6                  | 5.4              | 74.1       | 2,062.1                     | —                 | 2,882.7            | 2,883.0   | (s)                | 2,883.0                   |
| 2002                              | —              | 0.2         | 5.9               | 668.0               | 24.5                  | 0.6              | 79.8       | 1,972.5                     | —                 | 2,751.4            | 2,751.6   | (s)                | 2,751.6                   |
| 2003                              | —              | 0.3         | 6.0               | 794.3               | 31.0                  | 3.5              | 80.0       | 2,238.8                     | —                 | 3,153.4            | 3,153.7   | —                  | 3,153.7                   |
| 2004                              | —              | 0.4         | 6.6               | 1,093.7             | 46.2                  | 3.2              | 84.3       | 2,695.6                     | —                 | 3,929.6            | 3,929.9   | —                  | 3,929.9                   |
| 2005                              | —              | (s)         | 13.0              | 1,482.0             | 76.2                  | 5.1              | 98.1       | 3,329.5                     | —                 | 5,003.8            | 5,003.8   | —                  | 5,003.8                   |
| 2006                              | —              | (s)         | 5.8               | 1,748.8             | 89.1                  | 5.4              | 119.1      | 3,860.0                     | —                 | 5,828.2            | 5,828.2   | 0.1                | 5,828.2                   |
| 2007                              | —              | (s)         | 5.4               | 2,075.7             | 84.1                  | 7.4              | 132.1      | 4,295.1                     | —                 | 6,599.8            | 6,599.8   | —                  | 6,599.8                   |
| 2008                              | —              | —           | 10.6              | 2,603.3             | 101.7                 | 15.1             | 143.4      | 4,795.6                     | —                 | 7,669.7            | 7,669.7   | —                  | 7,669.7                   |
| 2009                              | —              | —           | 9.4               | 1,619.8             | 38.5                  | 12.7             | 131.2      | 3,496.8                     | —                 | 5,308.4            | 5,308.4   | —                  | 5,308.4                   |
| 2010                              | —              | —           | 8.9               | 2,071.4             | 46.9                  | 23.8             | 152.8      | 4,181.6                     | —                 | 6,485.5            | 6,485.5   | —                  | 6,485.5                   |
| 2011                              | —              | —           | 10.5              | 2,717.8             | 86.6                  | 23.0             | 171.5      | 5,361.1                     | —                 | 8,370.5            | 8,370.5   | —                  | 8,370.5                   |
| 2012                              | —              | —           | 9.7               | 2,663.5             | 146.3                 | 16.7             | 163.6      | 5,160.1                     | —                 | 8,159.9            | 8,159.9   | —                  | 8,159.9                   |
| 2013                              | —              | R 0.1       | R 7.9             | 2,684.1             | 138.7                 | R 22.9           | 166.6      | R 5,110.3                   | —                 | R 8,130.6          | R 8,130.7 | —                  | R 8,130.7                 |
| 2014                              | —              | 0.2         | 8.3               | 2,739.0             | 113.7                 | 21.4             | 173.9      | 5,003.5                     | —                 | 8,059.8            | 8,060.1   | —                  | 8,060.1                   |

<sup>a</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>b</sup> Liquefied petroleum gases, includes ethane and olefins.

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

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

Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.

Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.

Note: Expenditure totals may not equal sum of components due to independent rounding.

Web Page: All data are available at <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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

Table ET7. Electric Power Sector Price and Expenditure Estimates, Selected Years, 1970-2014, Iowa

| 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                            | 0.32                              | 0.27                     | 0.75                | —              | 0.70              | 0.74  | —            | 0.65                        | —                                | 0.30                      |
| 1975                            | 0.85                              | 0.68                     | 2.11                | —              | 1.93              | 2.05  | 0.25         | 0.92                        | —                                | 0.75                      |
| 1980                            | 1.39                              | 2.41                     | 6.06                | —              | 3.78              | 5.41  | 0.39         | 1.74                        | —                                | 1.32                      |
| 1985                            | 1.48                              | 3.61                     | 5.93                | —              | 3.99              | 5.88  | 0.94         | 0.79                        | 9.34                             | 1.57                      |
| 1990                            | 1.12                              | 3.05                     | 5.18                | —              | —                 | 5.18  | 0.66         | 1.60                        | —                                | 1.11                      |
| 1995                            | 0.99                              | 2.71                     | 4.09                | —              | —                 | 4.09  | 0.74         | 1.50                        | —                                | 0.99                      |
| 1996                            | 0.94                              | 3.22                     | 5.08                | —              | —                 | 5.08  | 0.72         | 1.38                        | —                                | 0.95                      |
| 1997                            | 0.94                              | 3.40                     | 4.45                | —              | —                 | 4.45  | 0.65         | 1.38                        | 6.71                             | 0.95                      |
| 1998                            | 0.88                              | 3.06                     | 3.33                | —              | —                 | 3.33  | 0.61         | 1.22                        | 7.87                             | 0.90                      |
| 1999                            | 0.82                              | 3.14                     | 3.99                | —              | —                 | 3.99  | 0.60         | 1.13                        | 8.69                             | 0.85                      |
| 2000                            | 0.82                              | 4.55                     | 6.43                | —              | —                 | 6.43  | 0.61         | 0.22                        | —                                | 0.85                      |
| 2001                            | 0.81                              | 4.77                     | 6.17                | —              | —                 | 6.17  | 0.62         | 0.94                        | 20.47                            | 0.87                      |
| 2002                            | 0.87                              | 3.84                     | 5.79                | —              | —                 | 5.79  | 0.58         | 0.53                        | —                                | 0.88                      |
| 2003                            | 0.87                              | 5.90                     | 6.35                | —              | —                 | 6.35  | 0.56         | 1.03                        | —                                | 0.90                      |
| 2004                            | 0.90                              | 7.16                     | 7.09                | 0.87           | —                 | 5.49  | 0.55         | 1.55                        | 13.84                            | 1.00                      |
| 2005                            | 0.96                              | 8.81                     | 11.31               | —              | —                 | 11.31 | 0.55         | 1.62                        | 16.53                            | 1.35                      |
| 2006                            | 1.03                              | 7.82                     | 15.32               | 1.46           | —                 | 9.48  | 0.55         | 1.21                        | —                                | 1.33                      |
| 2007                            | 1.06                              | 7.67                     | 17.45               | 1.94           | —                 | 11.80 | 0.63         | 1.39                        | —                                | 1.47                      |
| 2008                            | 1.18                              | 9.18                     | 22.19               | 2.09           | —                 | 13.03 | 0.58         | 1.52                        | —                                | 1.45                      |
| 2009                            | 1.23                              | 4.93                     | 13.32               | 2.20           | —                 | 10.10 | 0.57         | 1.43                        | —                                | 1.26                      |
| 2010                            | 1.33                              | 5.64                     | 16.56               | 1.96           | —                 | 10.42 | 0.65         | 2.40                        | —                                | 1.42                      |
| 2011                            | 1.43                              | 5.44                     | 22.91               | 1.60           | —                 | 13.00 | 0.70         | 2.43                        | —                                | 1.48                      |
| 2012                            | 1.48                              | 3.76                     | 22.91               | 1.99           | —                 | 20.75 | 0.77         | 2.22                        | —                                | 1.56                      |
| 2013                            | 1.67                              | 4.61                     | 22.54               | —              | —                 | 22.54 | 0.84         | 2.25                        | —                                | 1.71                      |
| 2014                            | 1.67                              | 5.90                     | 21.66               | —              | —                 | 21.66 | 0.80         | 2.70                        | —                                | 1.73                      |
| Expenditures in Million Dollars |                                   |                          |                     |                |                   |       |              |                             |                                  |                           |
| 1970                            | 27.0                              | 21.5                     | 1.4                 | —              | 0.2               | 1.6   | —            | 0.3                         | —                                | 50.4                      |
| 1975                            | 85.0                              | 32.0                     | 6.2                 | —              | 2.6               | 8.8   | 6.3          | 0.4                         | —                                | 132.5                     |
| 1980                            | 277.7                             | 16.6                     | 5.9                 | —              | 1.5               | 7.4   | 10.9         | 0.5                         | —                                | 313.1                     |
| 1985                            | 335.3                             | 7.7                      | 3.5                 | —              | 0.1               | 3.6   | 19.3         | 0.5                         | 33.8                             | 400.1                     |
| 1990                            | 308.5                             | 12.8                     | 3.7                 | —              | —                 | 3.7   | 21.1         | 0.3                         | —                                | 346.5                     |
| 1995                            | 308.1                             | 12.7                     | 3.7                 | —              | —                 | 3.7   | 28.8         | 1.0                         | —                                | 354.4                     |
| 1996                            | 294.1                             | 10.9                     | 4.1                 | —              | —                 | 4.1   | 29.5         | 1.0                         | —                                | 339.7                     |
| 1997                            | 297.8                             | 14.1                     | 5.7                 | —              | —                 | 5.7   | 28.1         | 1.0                         | 3.8                              | 350.5                     |
| 1998                            | 313.5                             | 18.4                     | 5.3                 | —              | —                 | 5.3   | 24.2         | 1.0                         | 2.9                              | 365.4                     |
| 1999                            | 294.4                             | 16.6                     | 7.1                 | —              | —                 | 7.1   | 22.8         | 1.0                         | 2.0                              | 343.9                     |
| 2000                            | 308.7                             | 21.7                     | 8.3                 | —              | —                 | 8.3   | 28.5         | 0.2                         | —                                | 367.4                     |
| 2001                            | 307.7                             | 27.8                     | 7.8                 | —              | —                 | 7.8   | 25.0         | 1.0                         | 0.4                              | 369.7                     |
| 2002                            | 325.5                             | 20.3                     | 4.6                 | —              | —                 | 4.6   | 27.7         | 0.5                         | —                                | 378.7                     |
| 2003                            | 326.5                             | 25.3                     | 7.8                 | —              | —                 | 7.8   | 23.3         | 1.0                         | —                                | 384.0                     |
| 2004                            | 343.0                             | 59.3                     | 7.3                 | 0.3            | —                 | 7.6   | 28.5         | 1.6                         | (s)                              | 439.9                     |
| 2005                            | 348.8                             | 188.2                    | 23.3                | —              | —                 | 23.3  | 26.1         | 1.6                         | (s)                              | 588.0                     |
| 2006                            | 379.3                             | 154.1                    | 24.0                | 1.7            | —                 | 25.7  | 29.2         | 1.3                         | —                                | 589.6                     |
| 2007                            | 420.9                             | 200.5                    | 44.7                | 2.8            | —                 | 47.5  | 29.7         | 2.1                         | —                                | 700.7                     |
| 2008                            | 498.1                             | 163.7                    | 23.0                | 1.8            | —                 | 24.9  | 32.1         | 2.5                         | —                                | 721.3                     |
| 2009                            | 473.6                             | 49.8                     | 9.8                 | 0.7            | —                 | 10.5  | 27.9         | 2.1                         | —                                | 563.9                     |
| 2010                            | 562.1                             | 71.5                     | 17.5                | 1.5            | —                 | 19.0  | 30.4         | 3.7                         | —                                | 686.7                     |
| 2011                            | 553.5                             | 54.5                     | 20.9                | 1.3            | —                 | 22.2  | 38.0         | 3.5                         | —                                | 671.6                     |
| 2012                            | 524.1                             | 63.4                     | 26.9                | 0.3            | —                 | 27.2  | 34.9         | 3.1                         | —                                | 652.7                     |
| 2013                            | 557.8                             | 57.0                     | 23.9                | —              | —                 | 23.9  | 46.5         | 3.1                         | —                                | 688.3                     |
| 2014                            | 563.7                             | 64.9                     | 15.9                | —              | —                 | 15.9  | 34.6         | 4.6                         | —                                | 683.7                     |

<sup>a</sup> Natural gas as it is consumed; 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, wind, photovoltaic, or solar thermal 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 comprises 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 <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

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