Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Primary Energy: Coal: Coking Coal	Coal: Steam Coal	Coal: Total	Natural Gas [a]	Petroleum: Distillate Fuel Oil [b]	Petroleum: HGL [c]	Petroleum: Jet Fuel [d]	Petroleum: Motor Gasoline [e]	Petroleum: Residual Fuel Oil	Petroleum: Other [f]	Petroleum: Total	Nuclear Fuel	Biomass: Wood and Waste [g,h]	Total [h,i,j,k]	Electric Power Sector [i,k,l]	Electricity Retail Sales	Total Energy [h,i,j]
	Prices in Dollars per Million Btu																
1970	—	0.37	0.37	0.57	1.01	1.61	0.75	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	3.10	2.09	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	5.75	6.47	9.97	3.19	7.31	8.26	0.39	3.73	4.54	1.32	13.97	6.68
1985	—	1.51	1.51	4.60	6.52	7.64	6.28	9.47	4.07	8.35	8.30	0.94	3.70	4.93	1.57	19.02	8.04
1990	—	1.16	1.16	3.81	7.52	6.20	6.11	9.38	2.36	8.57	8.46	0.66	2.08	4.29	1.11	17.37	7.66
1995	—	1.05	1.05	4.00	6.63	7.50	4.22	8.77	2.38	8.87	7.88	0.74	2.46	4.18	0.99	17.68	7.59
2000	—	0.91	0.91	6.45	9.61	10.83	6.96	11.74	3.24	9.19	10.76	0.61	2.46	5.54	0.85	17.39	9.90
2005	—	1.09	1.09	10.40	16.15	16.64	13.57	17.38	6.59	10.32	16.38	0.55	2.67	8.70	1.35	19.60	14.30
2006	—	1.24	1.24	9.75	18.41	18.60	15.21	19.92	7.72	14.26	18.88	0.55	2.32	9.52	1.33	20.54	15.59
2007	—	1.23	1.23	9.39	20.20	20.62	16.48	22.43	8.51	16.70	21.11	0.63	2.44	9.96	1.47	20.02	16.09
2008	—	1.36	1.36	10.01	26.51	24.71	22.81	25.59	12.35	18.97	25.35	0.58	2.87	11.42	1.45	20.20	18.05
2009	—	1.43	1.43	7.29	16.87	19.73	12.94	18.73	7.98	R 22.20	R 18.44	0.57	2.44	R 8.70	1.26	21.59	R 14.31
2010	—	1.51	1.51	7.13	20.57	16.24	16.79	22.18	11.66	R 25.46	R 20.79	0.65	2.79	R 9.27	1.42	22.44	R 15.37
2011	—	1.62	1.62	6.87	26.79	18.77	23.03	28.21	15.63	R 28.96	R 26.29	0.70	5.55	R 11.34	1.48	22.16	17.80
2012	—	1.66	1.66	5.87	27.28	13.74	23.44	28.80	16.91	R 28.74	R 26.25	0.77	5.64	R 11.24	1.56	22.60	R 17.68
2013	—	1.83	1.83	6.32	27.16	13.16	22.81	28.09	16.68	R 24.42	R 25.14	0.84	5.95	R 11.25	1.70	23.65	17.22
2014	—	1.80	1.80	7.92	26.18	15.74	20.10	26.86	15.95	24.44	24.67	0.80	5.07	11.69	1.73	23.89	17.64
2015	—	1.77	1.77	5.74	17.61	8.81	11.88	19.28	—	R 24.57	R 17.31	0.71	3.81	R 8.61	1.58	24.47	R 13.93
2016	—	1.72	1.72	5.14	14.81	8.00	9.72	17.15	7.32	R 20.76	R 15.11	0.67	3.14	R 7.94	1.56	25.07	R 12.93
2017	—	1.76	1.76	5.61	17.32	10.52	12.41	19.25	9.80	R 20.96	R 17.25	0.76	3.44	R 8.59	1.67	25.60	R 13.70
2018	—	1.71	1.71	5.57	20.86	R 11.95	15.64	21.34	11.12	R 24.32	R 19.61	0.75	3.76	R 9.19	1.72	26.13	R 14.64
2019	—	1.61	1.61	R 4.70	19.67	R 10.10	14.37	20.34	11.32	R 24.92	R 18.34	0.69	3.86	R 8.82	R 1.60	26.62	R 13.91
2020	—	1.60	1.60	4.31	15.64	9.02	10.01	16.69	—	20.28	15.05	0.65	3.11	7.99	1.51	26.29	12.54
	Expenditures in Million Dollars																
1970	—	48.1	48.1	190.2	80.7	67.2	3.0	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	157.0	9.8	942.1	7.2	79.5	1,403.2	6.3	5.1	1,872.1	-132.5	624.4	2,364.0
1980	—	332.9	332.9	719.9	594.5	234.9	29.6	1,853.2	8.3	170.4	2,891.0	10.9	36.9	3,991.5	-313.1	1,184.5	4,862.9
1985	—	406.3	406.3	1,003.4	601.0	234.0	20.9	1,566.0	4.7	178.6	2,605.0	19.3	44.3	4,139.0	-400.1	1,666.6	5,405.5
1990	—	389.0	389.0	805.3	691.7	143.8	30.7	1,561.2	1.8	147.2	2,576.3	21.1	22.6	3,843.2	-346.5	1,744.6	5,241.3
1995	—	392.4	392.4	1,004.8	684.5	454.8	25.0	1,571.3	1.4	158.7	2,895.7	28.8	19.7	4,341.4	-354.4	2,069.2	6,056.2
2000	—	405.2	405.2	1,453.3	1,077.3	755.0	30.5	2,244.5	2.9	227.0	4,337.2	28.5	10.1	6,234.2	-367.4	2,318.8	8,185.6
2005	—	468.8	468.8	2,403.8	1,931.4	1,227.4	76.2	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	1,385.9	89.1	4,176.3	2.3	347.8	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	1,227.3	84.1	4,641.3	2.4	356.3	8,983.5	29.7	27.1	12,277.1	-700.7	3,092.9	14,669.3
2008	—	660.5	660.5	3,151.6	3,527.7	1,785.4	101.7	5,133.4	13.2	390.0	10,951.4	32.1	32.5	14,828.1	-721.3	3,135.3	17,242.1
2009	—	633.8	633.8	2,210.7	2,165.7	1,468.5	38.5	3,774.3	3.3	R 392.3	R 7,842.6	27.9	30.7	R 10,745.7	-563.9	3,215.3	R 13,397.1
2010	—	746.8	746.8	2,150.7	2,825.1	R 1,084.1	R 94.2	4,586.5	1.7	R 376.8	R 8,968.5	30.4	37.7	R 11,934.2	-686.7	3,479.7	R 14,727.2
2011	—	750.2	750.2	2,052.8	3,724.1	R 1,214.9	R 132.9	5,860.7	3.1	R 407.6	R 11,343.3	38.0	31.7	R 14,216.1	-671.6	3,451.3	R 16,995.8
2012	—	703.5	703.5	1,697.7	3,764.1	R 724.9	R 141.4	5,615.9	1.2	R 435.7	R 10,683.2	34.9	29.3	R 13,148.7	-652.6	3,524.3	R 16,020.3
2013	—	736.5	736.5	2,045.9	3,766.1	R 919.0	R 126.0	5,560.6	0.6	R 475.2	R 10,847.5	46.5	35.5	R 13,711.9	-688.3	3,769.0	R 16,792.6
2014	—	722.7	722.7	2,606.8	3,802.1	1,113.1	R 108.7	5,400.9	0.6	R 473.7	R 10,899.1	34.6	40.7	R 14,303.9	-683.5	3,847.3	R 17,467.6
2015	—	615.2	615.2	1,854.3	2,607.2	555.4	R 70.8	3,848.6	—	R 436.5	R 7,518.5	39.1	27.8	R 10,054.9	-577.0	3,935.8	R 13,413.6
2016	—	512.4	512.4	1,744.0	2,219.0	R 509.2	R 57.6	3,570.1	0.1	R 379.0	R 6,734.9	32.8	21.9	R 9,046.0	-504.1	4,142.7	R 12,684.6
2017	—	528.5	528.5	2,254.3	2,582.5	R 672.7	R 80.1	3,658.9	1.0	R 396.7	R 7,392.0	41.2	21.7	R 10,237.7	-568.4	4,273.0	R 13,942.2
2018	—	555.8	555.8	2,547.5	3,153.3	R 886.1	R 101.3	4,019.6	0.8	R 419.9	R 8,581.0	38.1	26.3	R 11,748.8	-658.5	4,565.7	R 15,656.0
2019	—	429.9	429.9	R 2,136.9	3,100.5	R 822.5	R 92.5	3,801.5	1.1	R 420.5	R 8,238.7	37.5	29.3	R 10,872.3	R -527.1	4,635.8	R 14,981.1
2020	—	293.6	293.6	1,810.8	2,448.2	672.1	45.1	2,753.7	—	423.6	6,342.6	19.7	21.7	8,488.5	-337.4	4,543.1	12,694.2

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] 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."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] 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.
[i] There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
[j] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[k] Electricity imports are included in total primary energy and electric power sector but are not shown separately.
[l] Expenditures for fuels purchased for electric power generation, included in the expenditure columns for the primary energy sources, are shown as negative expenditures because they need to be removed from total energy expenditures, to avoid double-counting.

Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.
Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.
Note: Expenditure totals may not equal sum of components due to independent rounding.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
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, 1970-2020, Iowa

Year	Primary Energy											Electricity Retail Sales	Total Energy [h,i,j]
			Petroleum							Biomass			
	Coal	Natural Gas [a]	Distillate Fuel Oil [b]	HGL [c]	Jet Fuel [d]	Motor Gasoline [e]	Residual Fuel Oil	Other [f]	Total	Wood and Waste [g,h]	Total [h,i,j]		
	Prices in Dollars per Million Btu												
1970	0.45	0.66	1.02	1.61	0.75	2.83	0.59	1.58	2.12	3.01	1.43	6.39	1.80
1975	1.30	1.05	2.46	3.10	2.09	4.59	1.85	3.22	3.77	3.26	2.53	9.11	3.13
1980	1.61	2.80	6.41	5.75	6.47	9.97	3.09	7.31	8.27	3.79	5.72	13.97	6.68
1985	1.71	4.61	6.52	7.64	6.28	9.47	4.07	8.35	8.30	3.86	6.39	19.02	8.04
1990	1.36	3.83	7.54	6.20	6.11	9.38	2.36	8.57	8.47	2.09	5.99	17.37	7.66
1995	1.40	4.02	6.65	7.50	4.22	8.77	2.38	8.87	7.89	2.55	5.86	17.68	7.59
2000	1.43	6.49	9.65	10.83	6.96	11.74	3.24	9.19	10.78	3.03	8.46	17.39	9.90
2005	1.83	10.56	16.23	16.64	13.57	17.38	6.59	10.32	16.40	2.83	13.21	19.60	14.30
2006	2.33	9.93	18.45	18.60	15.21	19.92	7.72	14.88	18.94	2.46	14.57	20.54	15.59
2007	2.20	9.57	20.25	20.62	16.48	22.43	8.51	17.79	21.20	2.61	15.29	20.02	16.09
2008	2.56	10.06	26.54	24.71	22.81	25.59	12.35	19.72	25.41	3.10	17.63	20.20	18.05
2009	2.73	7.37	16.89	19.73	12.94	18.73	7.98	R 22.54	R 18.46	2.57	R 12.93	21.59	R 14.31
2010	2.56	7.19	20.60	16.24	16.79	22.18	11.66	R 26.75	R 20.83	2.84	R 14.01	22.44	R 15.37
2011	2.59	6.92	26.82	18.77	23.03	28.21	15.63	R 30.59	R 26.34	6.58	16.95	22.16	17.80
2012	2.62	6.00	27.31	13.74	23.44	28.80	16.91	R 28.99	R 26.27	6.89	R 16.66	22.60	R 17.68
2013	2.58	6.38	27.20	13.16	22.81	28.09	16.68	R 24.42	R 25.15	7.07	R 15.97	23.65	17.22
2014	2.50	7.99	26.20	15.74	20.10	26.86	15.95	24.44	24.67	5.70	16.43	23.89	17.64
2015	2.50	5.89	17.63	8.81	11.88	19.28	—	R 24.57	R 17.32	4.21	R 11.82	24.47	R 13.93
2016	2.38	5.31	14.84	8.00	9.72	17.15	7.32	R 20.76	R 15.12	3.37	R 10.48	25.07	R 12.93
2017	2.31	5.82	17.34	10.52	12.41	19.25	9.80	R 20.96	R 17.25	3.90	R 11.37	25.60	R 13.70
2018	2.17	5.90	20.88	R 11.95	15.64	21.34	11.12	R 24.32	R 19.62	4.29	R 12.40	26.13	R 14.64
2019	1.96	R 4.97	19.70	R 10.10	14.37	20.34	11.32	R 24.92	R 18.34	4.28	R 11.46	26.62	R 13.91
2020	1.94	4.61	15.67	9.02	10.01	16.69	—	20.28	15.06	3.56	9.71	26.29	12.54
	Expenditures in Million Dollars												
1970	21.1	168.7	79.3	67.2	3.0	530.1	1.3	49.0	729.9	3.4	923.1	337.5	1,260.7
1975	40.1	300.4	201.3	157.0	9.8	942.1	4.6	79.5	1,394.3	4.8	1,739.6	624.4	2,364.0
1980	55.2	703.3	588.6	234.9	29.6	1,853.2	6.8	170.4	2,883.6	36.3	3,678.4	1,184.5	4,862.9
1985	71.1	995.6	597.5	234.0	20.9	1,566.0	4.6	178.6	2,601.5	43.8	3,738.9	1,666.6	5,405.5
1990	80.5	792.5	688.0	143.8	30.7	1,561.2	1.8	147.2	2,572.6	22.3	3,496.7	1,744.6	5,241.3
1995	84.3	992.1	680.8	454.8	25.0	1,571.3	1.4	158.7	2,892.0	18.7	3,987.0	2,069.2	6,056.2
2000	96.5	1,431.6	1,069.0	755.0	30.5	2,244.5	2.9	227.0	4,328.8	9.9	5,866.8	2,318.8	8,185.6
2005	120.0	2,215.6	1,908.0	1,227.4	76.2	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	1,385.9	89.1	4,176.3	2.3	346.1	8,252.3	21.3	10,506.7	3,037.8	13,544.5
2007	150.3	2,465.1	2,627.5	1,227.3	84.1	4,641.3	2.4	353.4	8,936.0	25.0	11,576.4	3,092.9	14,669.3
2008	162.4	2,987.9	3,504.6	1,785.4	101.7	5,133.4	13.2	388.2	10,926.5	30.0	14,106.8	3,135.3	17,242.1
2009	160.2	2,160.9	2,155.8	1,468.5	38.5	3,774.3	3.3	R 391.6	R 7,832.1	28.6	R 10,181.8	3,215.3	R 13,397.1
2010	184.7	2,079.2	2,807.7	R 1,084.1	R 94.2	4,586.5	1.7	R 375.3	R 8,949.6	34.0	R 11,247.5	3,479.7	R 14,727.2
2011	196.7	1,998.4	3,703.2	R 1,214.9	R 132.9	5,860.7	3.1	R 406.4	R 11,321.2	28.2	R 13,544.5	3,451.3	R 16,995.8
2012	179.5	1,634.3	3,737.2	R 724.9	R 141.4	5,615.9	1.2	R 435.4	R 10,656.0	26.2	R 12,496.1	3,524.3	R 16,020.3
2013	178.7	1,988.9	3,742.3	R 919.0	R 126.0	5,560.6	0.6	R 475.2	R 10,823.7	32.3	R 13,023.6	3,769.0	R 16,792.6
2014	159.0	2,542.1	3,786.3	1,113.1	R 108.7	5,400.9	0.6	R 473.7	R 10,883.2	36.0	R 13,620.4	3,847.3	R 17,467.6
2015	141.4	1,801.6	2,600.5	555.4	R 70.8	3,848.6	—	R 436.5	R 7,511.8	23.0	R 9,477.8	3,935.8	R 13,413.6
2016	115.0	1,685.3	2,208.7	R 509.2	R 57.6	3,570.1	0.1	R 379.0	R 6,724.6	17.0	R 8,541.9	4,142.7	R 12,684.6
2017	109.6	2,159.7	2,573.4	R 672.7	R 80.1	3,658.9	1.0	R 396.7	R 7,382.9	17.1	R 9,669.2	4,273.0	R 13,942.2
2018	100.7	2,398.3	3,141.2	R 886.1	R 101.3	4,019.6	0.8	R 419.9	R 8,568.9	22.3	R 11,090.3	4,565.7	R 15,656.0
2019	88.1	R 2,004.4	3,089.1	R 822.5	R 92.5	3,801.5	1.1	R 420.5	R 8,227.3	25.5	R 10,345.2	4,635.8	R 14,981.1
2020	78.1	1,719.1	2,440.9	672.1	45.1	2,753.7	—	423.6	6,335.3	18.5	8,151.1	4,543.1	12,694.2

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] 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."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] 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.
[i] There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
[j] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

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

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

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

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

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

Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Primary Energy								Electricity Retail Sales	Total Energy [e]
			Petroleum				Biomass			
	Coal [a]	Natural Gas [b]	Distillate Fuel Oil	HGL [c]	Kerosene	Total	Wood [d]	Total [e]		
	Prices in Dollars per Million Btu									
1970	1.27	0.96	1.22	1.82	1.57	1.62	0.61	1.16	7.75	2.05
1975	3.69	1.42	2.56	3.55	2.99	3.27	1.20	1.96	10.46	3.44
1980	3.31	3.18	6.79	6.86	8.10	6.84	3.06	4.12	16.13	6.83
1985	3.41	5.33	5.94	5.62	7.85	5.81	3.46	5.37	22.53	9.54
1990	2.41	4.96	5.73	7.19	8.20	6.73	3.56	5.21	22.89	10.18
1995	2.31	5.07	4.95	6.54	4.97	6.19	2.90	5.24	24.14	10.40
2000	2.39	7.77	9.03	9.07	9.18	9.07	4.41	8.00	24.54	12.78
2005	3.67	12.22	15.16	13.96	15.34	14.05	6.91	12.49	27.17	17.52
2006	4.51	12.26	17.37	15.86	19.50	15.99	7.96	12.95	28.23	18.39
2007	4.13	11.64	19.47	17.73	22.12	17.87	8.79	12.80	27.68	18.03
2008	—	11.79	23.95	21.81	23.36	21.97	10.83	14.15	27.81	18.54
2009	—	9.76	16.27	18.27	23.70	18.19	8.13	11.74	29.27	17.53
2010	—	9.51	19.64	18.16	25.17	18.28	9.60	11.36	30.54	18.21
2011	—	9.46	27.36	20.07	28.49	20.64	11.54	11.94	30.67	18.58
2012	—	9.33	27.27	17.14	29.88	17.65	12.85	11.12	31.71	19.24
2013	—	8.74	28.29	16.54	30.54	17.03	12.58	10.41	32.36	17.98
2014	—	9.64	27.34	22.75	32.87	22.96	12.27	12.16	32.71	18.93
2015	—	8.08	17.90	13.19	16.97	13.42	8.45	9.10	34.10	18.11
2016	—	7.70	15.49	10.65	13.53	10.84	7.22	8.31	34.99	18.16
2017	—	8.81	17.64	13.82	16.92	14.07	8.08	9.82	36.16	19.49
2018	—	8.44	19.24	14.80	26.07	14.98	8.94	9.99	35.89	18.67
2019	—	7.70	18.06	13.86	22.82	14.01	8.60	9.30	36.52	18.09
2020	—	7.30	14.70	12.51	14.82	12.57	7.11	8.66	36.52	18.28
	Expenditures in Million Dollars									
1970	2.6	92.9	15.8	50.4	2.9	69.2	0.2	164.9	171.3	336.2
1975	2.8	134.7	26.9	98.0	2.3	127.3	0.5	265.2	297.5	562.7
1980	1.3	271.2	94.5	108.5	2.2	205.1	5.2	482.8	552.6	1,035.4
1985	4.5	424.1	51.6	68.4	5.1	125.1	7.4	561.0	757.4	1,318.4
1990	2.8	356.3	30.9	80.2	1.1	112.3	7.8	479.2	821.2	1,300.4
1995	0.7	418.8	22.5	105.5	0.7	128.7	5.6	553.7	958.7	1,512.4
2000	1.8	576.8	25.3	195.8	1.4	222.5	6.6	807.7	1,007.3	1,815.0
2005	1.9	827.4	20.0	246.4	1.9	268.3	9.4	1,107.1	1,258.2	2,365.3
2006	2.9	768.1	24.3	259.2	1.7	285.2	9.6	1,065.8	1,285.3	2,351.1
2007	3.1	796.8	25.8	295.5	1.2	322.6	11.8	1,134.3	1,328.2	2,462.4
2008	—	898.6	39.6	479.1	0.8	519.5	16.2	1,434.3	1,335.6	2,769.9
2009	—	689.2	17.1	391.2	1.9	410.2	14.2	1,113.6	1,370.6	2,484.2
2010	—	654.4	21.6	320.8	2.1	344.6	18.0	1,016.9	1,516.9	2,533.8
2011	—	640.1	39.9	358.1	1.8	399.7	21.0	1,060.8	1,499.1	2,560.0
2012	—	528.4	20.1	245.6	0.3	266.0	19.5	813.9	1,513.4	2,327.3
2013	—	651.9	20.9	288.7	0.3	309.9	25.0	986.8	1,615.0	2,601.8
2014	—	767.3	21.2	405.0	0.7	426.9	24.6	1,218.8	1,610.0	2,828.8
2015	—	533.9	14.0	198.2	0.2	212.4	13.8	760.1	1,604.0	2,364.0
2016	—	497.9	9.7	163.9	0.4	174.0	9.9	681.8	1,682.4	2,364.3
2017	—	561.4	17.2	201.6	0.5	219.2	10.7	791.3	1,692.8	R 2,484.2
2018	—	634.3	17.5	335.1	0.4	353.0	14.6	1,001.9	1,817.1	2,819.0
2019	—	584.6	15.3	348.7	0.6	364.7	15.2	964.5	1,805.9	2,770.4
2020	—	498.6	9.6	297.2	0.7	307.5	10.0	816.1	1,815.0	2,631.1

[a] Beginning in 2008, consumption data are no longer collected and are assumed to be zero.
[b] Includes supplemental gaseous fuels that are commingled with natural gas.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There are no direct fuel costs for geothermal or solar 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 https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Primary Energy										Electricity Retail Sales	Total Energy [f,g,h]
			Petroleum						Biomass			
	Coal	Natural Gas [a]	Distillate Fuel Oil	HGL [b]	Kerosene	Motor Gasoline [c]	Residual Fuel Oil	Total [d]	Wood and Waste [e,f]	Total [f,g,h]		
	Prices in Dollars per Million Btu											
1970	0.41	0.68	1.05	1.15	0.81	2.83	0.66	1.31	0.61	0.77	7.68	1.82
1975	1.24	1.05	2.40	2.38	2.30	4.59	1.69	2.72	1.20	1.26	10.55	2.95
1980	1.59	2.84	6.44	4.67	5.52	9.97	3.80	6.68	3.06	3.35	15.93	6.32
1985	1.66	4.80	6.03	8.05	7.85	9.47	4.07	6.78	3.46	4.87	21.88	9.23
1990	1.34	4.01	5.44	4.76	8.20	9.38	2.36	5.81	3.56	3.97	18.30	8.53
1995	1.40	4.12	4.30	7.70	4.97	8.77	—	5.73	2.57	4.15	18.74	9.20
2000	1.41	6.66	7.05	10.95	9.18	11.74	3.24	9.66	3.40	6.52	19.07	11.03
2005	1.81	10.56	13.72	16.17	15.34	17.38	6.59	15.64	3.32	10.23	20.37	14.20
2006	2.31	10.25	15.85	17.95	19.50	19.92	7.72	18.06	3.08	10.93	21.37	14.92
2007	2.18	9.87	17.41	19.38	22.12	22.43	—	20.71	3.83	10.98	20.83	14.75
2008	3.49	10.15	23.92	23.08	23.36	25.59	—	24.25	5.23	11.95	21.05	15.17
2009	3.38	7.83	14.14	18.64	23.70	18.73	—	17.61	3.71	9.42	22.14	13.65
2010	2.96	7.76	17.92	19.61	25.17	22.18	11.66	20.71	4.19	10.26	23.19	14.79
2011	2.87	7.48	24.33	22.93	28.49	28.21	—	26.22	4.51	11.49	23.02	15.52
2012	2.78	7.03	24.89	16.88	29.88	28.80	16.91	25.70	4.53	11.87	23.47	16.23
2013	2.76	6.77	24.53	17.98	30.54	28.09	—	25.34	4.85	10.87	24.73	15.55
2014	2.67	7.84	22.87	20.20	32.87	26.86	—	24.17	4.62	11.13	25.42	15.90
2015	2.65	6.18	13.52	11.30	16.97	19.28	—	16.69	3.08	8.81	26.14	14.80
2016	2.54	5.67	11.32	10.51	13.53	17.15	7.32	12.47	2.17	6.51	26.87	14.38
2017	2.62	6.51	13.75	14.10	16.92	19.25	—	14.66	2.59	7.65	27.74	15.28
2018	2.44	6.46	17.17	14.63	26.07	21.34	—	16.97	2.12	7.98	28.38	15.24
2019	2.21	R 5.60	15.69	11.65	22.82	20.34	—	15.24	2.97	R 7.19	29.29	R 14.80
2020	2.31	5.49	10.60	10.77	14.82	16.69	—	11.82	2.63	6.62	29.18	14.67
	Expenditures in Million Dollars											
1970	0.7	39.4	5.5	3.5	0.1	4.0	0.3	13.4	(s)	53.4	95.8	149.3
1975	2.2	71.1	10.1	7.3	0.1	7.8	1.2	26.5	(s)	99.8	184.3	284.1
1980	2.3	144.0	28.2	8.2	0.2	18.3	1.9	56.7	0.1	203.1	299.0	502.1
1985	7.7	231.3	41.0	10.9	0.3	11.8	(s)	64.0	0.2	303.5	470.8	774.3
1990	6.3	177.3	18.3	5.9	1.8	7.0	0.4	33.3	0.9	217.9	470.2	688.1
1995	2.7	208.4	10.4	13.8	0.1	1.6	—	26.0	0.8	237.9	568.5	806.5
2000	8.6	305.1	19.7	26.3	0.3	32.6	0.1	79.0	1.2	393.9	646.1	1,040.1
2005	10.8	480.0	25.2	25.5	1.3	66.9	0.1	119.4	3.0	613.2	783.4	1,396.5
2006	14.9	450.7	58.1	35.9	0.5	140.4	0.1	235.4	2.8	703.9	850.3	1,554.2
2007	14.8	462.3	24.9	39.5	0.4	185.5	—	250.7	3.2	731.0	858.7	1,589.7
2008	20.8	575.0	51.6	62.0	0.2	193.8	—	308.2	3.4	907.4	874.8	1,782.2
2009	20.6	446.8	41.8	74.3	0.1	167.7	—	284.3	2.6	754.4	884.2	1,638.6
2010	18.1	403.6	48.3	48.5	0.2	256.5	0.2	354.2	3.1	779.0	951.5	1,730.5
2011	16.4	391.7	95.5	68.9	0.3	306.0	—	470.9	3.7	882.6	949.3	1,831.9
2012	13.6	312.1	139.1	39.0	0.2	312.2	0.3	491.6	3.5	820.8	977.7	1,798.4
2013	13.2	394.4	136.5	43.8	0.2	312.4	—	493.5	3.7	904.9	1,050.0	1,954.9
2014	12.7	468.1	116.9	50.4	0.2	282.3	—	450.7	4.3	935.9	1,070.3	2,006.2
2015	10.4	320.1	70.4	21.7	0.1	259.0	—	352.0	3.4	686.0	1,076.7	1,762.7
2016	7.6	296.0	57.9	20.6	0.1	47.8	0.1	126.9	2.6	433.0	1,126.8	1,559.8
2017	7.3	341.5	79.4	30.3	0.1	54.4	—	164.8	2.6	516.3	1,148.4	1,664.7
2018	5.9	388.9	100.8	52.3	0.4	61.2	—	215.3	3.3	613.3	1,202.6	1,815.9
2019	5.0	R 345.0	111.7	49.4	0.2	58.9	—	220.4	4.8	R 575.2	1,230.3	R 1,805.5
2020	3.9	297.1	75.4	44.6	0.3	48.5	—	169.0	3.5	473.6	1,155.7	1,629.3

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] 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.
[g] There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
[h] 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. · The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Primary Energy												Electricity Retail Sales	Total Energy [f,g,h]
	Coal			Natural Gas [a]	Petroleum						Biomass	Total [f,g,h]		
	Coking Coal	Steam Coal	Total		Distillate Fuel Oil	HGL [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total	Wood and Waste [e,f]			
	Prices in Dollars per Million Btu													
1970	—	0.41	0.41	0.36	0.75	1.21	2.83	0.57	1.15	1.48	4.00	0.84	3.87	1.06
1975	—	1.24	1.24	0.77	2.15	2.59	4.59	1.92	2.57	2.89	4.00	1.62	6.31	2.02
1980	—	1.59	1.59	2.51	5.28	5.09	9.97	2.88	6.04	6.11	3.95	3.70	10.47	4.50
1985	—	1.66	1.66	3.87	6.28	9.04	9.47	4.07	6.70	7.37	3.95	4.74	13.50	5.93
1990	—	1.34	1.34	2.85	5.81	5.31	9.38	2.36	5.57	5.98	1.65	3.29	11.66	4.59
1995	—	1.40	1.40	3.21	4.87	7.83	8.77	2.38	6.18	6.59	2.42	4.00	11.53	5.11
2000	—	1.41	1.41	5.46	7.97	11.65	11.74	3.24	6.98	9.46	1.47	6.11	11.39	7.05
2005	—	1.81	1.81	9.40	14.39	17.51	17.38	6.59	7.19	14.51	1.47	9.76	13.38	10.42
2006	—	2.31	2.31	8.36	16.44	19.41	19.92	7.72	10.99	17.22	1.35	10.38	14.42	11.12
2007	—	2.18	2.18	8.47	18.50	21.84	22.43	8.51	13.02	19.27	1.35	10.30	13.89	10.94
2008	—	2.46	2.46	9.23	24.88	26.11	25.59	12.35	14.21	23.65	1.38	12.34	14.09	12.63
2009	—	2.65	2.65	6.19	14.90	20.42	18.73	7.98	R 17.46	R 18.10	1.35	R 9.16	15.46	R 10.17
2010	—	2.52	2.52	6.06	18.86	15.33	22.18	11.66	R 21.58	R 17.73	1.38	R 8.65	15.71	R 9.76
2011	—	2.56	2.56	5.73	25.50	17.95	28.21	15.63	R 23.67	R 22.02	2.17	R 9.69	15.28	R 10.60
2012	—	2.61	2.61	4.64	25.70	12.18	28.80	16.91	R 23.46	R 20.13	2.14	R 8.50	15.52	R 9.69
2013	—	2.57	2.57	5.28	25.10	11.73	28.09	16.68	R 19.74	R 18.17	2.02	R 8.70	16.48	R 9.94
2014	—	2.49	2.49	7.30	23.42	13.04	26.86	15.95	19.61	18.17	2.11	9.83	16.74	10.98
2015	—	2.49	2.49	5.03	15.04	7.27	19.28	—	R 19.32	R 12.49	2.13	R 6.93	17.28	R 8.70
2016	—	2.37	2.37	4.45	12.10	7.01	17.15	—	R 15.16	R 10.62	1.83	R 6.09	17.73	R 8.10
2017	—	2.29	2.29	4.94	14.63	R 9.30	19.25	9.80	R 16.33	R 12.80	1.83	R 6.75	18.19	R 8.58
2018	—	2.16	2.16	5.07	17.76	R 10.28	21.34	11.12	R 19.21	R 14.85	2.21	R 7.26	18.92	R 9.14
2019	—	1.94	1.94	R 4.04	16.73	R 8.05	20.34	11.32	R 19.53	R 13.36	2.14	R 6.36	19.34	R 8.46
2020	—	1.92	1.92	3.69	12.33	7.08	16.69	—	15.90	10.95	2.05	5.56	18.84	7.82
	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	628.8	12.3	1,086.8	541.9	1,628.7
2000	—	86.1	86.1	549.4	279.3	532.4	47.9	2.9	144.3	1,006.8	2.1	1,644.4	665.4	2,309.8
2005	—	107.3	107.3	908.2	380.8	950.5	141.5	7.9	169.9	1,650.6	6.5	2,672.7	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	3,111.4	906.1	4,017.4
2008	—	141.7	141.7	1,514.3	810.1	1,229.2	144.0	13.2	232.6	2,429.2	10.3	4,095.5	924.8	5,020.3
2009	—	139.6	139.6	1,024.9	477.1	990.4	109.8	3.3	R 248.6	R 1,829.2	11.7	R 3,005.4	960.5	R 3,965.9
2010	—	166.6	166.6	1,021.3	666.3	R 713.9	148.4	1.5	R 240.5	R 1,770.6	12.9	R 2,971.4	1,011.3	R 3,982.7
2011	—	180.4	180.4	966.6	875.2	R 787.0	193.6	3.1	R 252.6	R 2,111.6	3.6	R 3,262.1	1,002.8	R 4,265.0
2012	—	165.8	165.8	793.9	932.4	R 439.8	143.6	0.9	R 294.3	R 1,810.9	3.3	R 2,773.9	1,033.2	R 3,807.1
2013	—	165.4	165.4	942.4	894.1	R 585.8	137.9	0.6	R 334.6	R 1,953.0	3.7	R 3,064.5	1,104.0	R 4,168.6
2014	—	146.2	146.2	1,306.6	896.6	R 657.0	104.9	0.6	R 325.3	R 1,984.4	7.1	R 3,444.3	1,166.9	R 4,611.2
2015	—	131.0	131.0	947.5	663.4	334.9	73.0	—	R 287.3	R 1,358.6	5.8	R 2,442.9	1,255.1	R 3,698.0
2016	—	107.4	107.4	891.2	551.2	R 324.0	75.8	—	R 237.1	R 1,188.0	4.5	R 2,191.2	1,333.5	R 3,524.7
2017	—	102.3	102.3	1,256.6	626.9	R 438.1	85.6	1.0	R 267.0	R 1,418.7	3.7	R 2,781.3	1,431.7	R 4,213.0
2018	—	94.8	94.8	1,374.9	754.1	R 487.1	93.8	0.8	R 286.8	R 1,622.6	4.5	R 3,096.8	1,546.0	R 4,642.8
2019	—	83.1	83.1	R 1,074.5	767.6	R 414.4	81.9	1.1	R 287.6	R 1,552.6	5.5	R 2,715.7	1,599.7	R 4,315.3
2020	—	74.2	74.2	923.2	557.9	329.3	68.4	—	301.3	1,256.9	5.0	2,259.4	1,572.4	3,831.8

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.
[d] Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] 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.
[g] There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
[h] 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. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table ET6. Transportation Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Primary Energy											Electricity Retail Sales	Total Energy [f]
			Petroleum										
	Coal	Natural Gas [a]	Aviation Gasoline	Distillate Fuel Oil [b]	HGL [c]	Jet Fuel [d]	Lubricants	Motor Gasoline [e]	Residual Fuel Oil	Total	Total [f]		
	Prices in Dollars per Million Btu												
1970	0.41	—	2.17	1.27	1.15	0.75	5.08	2.83	0.66	2.60	2.60	—	2.60
1975	1.24	—	3.45	2.65	2.38	2.09	7.48	4.59	—	4.24	4.24	—	4.24
1980	—	—	9.02	6.97	4.67	6.47	14.36	9.97	—	9.34	9.34	—	9.34
1985	—	—	9.99	6.85	9.71	6.28	18.18	9.47	—	8.95	8.96	—	8.96
1990	—	6.43	9.32	8.74	7.30	6.11	20.61	9.38	1.82	9.31	9.31	—	9.31
1995	—	2.96	8.36	7.79	12.68	4.22	21.75	8.77	—	8.58	8.58	—	8.58
2000	—	6.03	10.87	10.62	15.91	6.96	23.20	11.74	—	11.51	11.51	15.56	11.51
2005	—	8.20	18.56	16.85	21.33	13.57	35.22	17.38	—	17.32	17.32	—	17.32
2006	—	10.09	22.31	19.13	22.97	15.21	43.88	19.92	—	19.81	19.81	20.66	19.81
2007	—	11.56	23.70	20.78	25.17	16.48	47.16	22.43	—	22.01	22.01	—	22.01
2008	—	—	27.23	27.21	29.12	22.81	55.12	25.59	—	26.35	26.35	—	26.35
2009	—	—	20.32	17.68	23.95	12.94	56.07	18.73	—	18.65	18.65	—	18.65
2010	—	—	25.19	21.32	26.27	16.79	58.80	22.18	—	22.06	22.06	—	22.06
2011	—	—	31.64	27.37	29.50	23.03	69.54	28.21	—	28.12	28.12	—	28.12
2012	—	—	33.04	28.08	22.33	23.44	72.11	28.80	—	28.73	28.73	—	28.73
2013	—	9.44	32.71	28.13	23.63	22.81	69.42	28.09	—	28.28	28.28	—	28.28
2014	—	7.84	33.16	27.43	26.26	20.10	69.44	26.86	—	27.22	27.22	—	27.22
2015	—	6.18	24.86	19.03	16.63	11.88	67.28	19.28	—	19.40	19.40	—	19.40
2016	—	5.67	21.62	16.30	15.88	9.72	65.78	17.15	—	17.06	17.06	—	17.06
2017	—	5.69	24.13	18.73	20.13	12.41	67.25	19.25	—	R 19.23	19.22	—	19.22
2018	—	6.29	27.04	22.43	20.75	15.64	72.37	21.34	—	21.90	21.90	—	21.90
2019	—	5.81	25.57	21.31	17.23	14.37	74.92	20.34	—	20.86	20.86	—	20.86
2020	—	4.78	22.34	17.50	16.18	10.01	75.34	16.69	—	17.23	17.23	—	17.23
	Expenditures in Million Dollars												
1970	(s)	—	2.8	32.2	0.3	3.0	14.8	446.0	0.1	499.1	499.2	—	499.2
1975	(s)	—	3.3	105.7	0.5	9.8	22.7	842.8	—	984.9	984.9	—	984.9
1980	—	—	8.4	321.6	0.6	29.6	45.4	1,698.2	—	2,103.8	2,103.8	—	2,103.8
1985	—	—	4.2	323.0	3.3	20.9	52.3	1,469.4	—	1,873.1	1,898.4	—	1,898.4
1990	—	(s)	4.7	476.1	1.2	30.7	66.8	1,501.4	(s)	2,080.7	2,108.4	—	2,108.4
1995	—	(s)	3.0	488.1	2.8	25.0	67.2	1,522.3	—	2,108.6	2,108.6	—	2,108.6
2000	—	0.2	4.3	744.6	0.5	30.5	76.6	2,164.0	—	3,020.5	3,020.8	(s)	3,020.8
2005	—	(s)	13.0	1,482.0	5.1	76.2	98.1	3,329.5	—	5,003.8	5,003.8	—	5,003.8
2006	—	(s)	5.8	1,748.8	5.4	89.1	119.1	3,860.0	—	5,828.2	5,828.2	0.1	5,828.2
2007	—	(s)	5.4	2,075.7	7.4	84.1	132.1	4,295.1	—	6,599.8	6,599.8	—	6,599.8
2008	—	—	10.6	2,603.3	15.1	101.7	143.4	4,795.6	—	7,669.7	7,669.7	—	7,669.7
2009	—	—	9.4	1,619.8	12.7	38.5	131.2	3,496.8	—	5,308.4	5,308.4	—	5,308.4
2010	—	—	8.9	2,071.4	R 0.9	R 94.2	123.1	4,181.6	—	R 6,480.2	R 6,480.2	—	R 6,480.2
2011	—	—	10.5	2,692.6	R 0.9	R 132.9	140.9	5,361.1	—	R 8,338.9	R 8,338.9	—	R 8,338.9
2012	—	—	9.7	2,645.6	R 0.6	R 141.4	130.2	5,160.1	—	R 8,087.5	R 8,087.5	—	R 8,087.5
2013	—	0.1	7.9	2,690.7	R 0.7	R 126.0	131.6	5,110.3	—	R 8,067.3	R 8,067.4	—	R 8,067.4
2014	—	0.2	8.3	2,751.6	R 0.7	R 108.7	138.3	5,013.6	—	R 8,021.2	R 8,021.4	—	R 8,021.4
2015	—	0.2	6.0	1,852.7	0.6	R 70.8	142.0	3,516.6	—	R 5,588.7	R 5,588.9	—	R 5,588.9
2016	—	0.2	4.4	1,589.9	R 0.7	R 57.6	136.6	3,446.5	—	R 5,235.7	R 5,235.8	—	R 5,235.8
2017	—	0.2	5.1	1,849.8	R 2.7	R 80.1	123.4	3,518.9	—	R 5,580.1	R 5,580.4	—	R 5,580.4
2018	—	0.3	5.7	2,268.8	R 11.5	R 101.3	126.1	3,864.5	—	R 6,378.0	R 6,378.3	—	R 6,378.3
2019	—	0.2	5.9	2,194.5	R 10.0	R 92.5	126.0	R 3,660.8	—	R 6,089.6	R 6,089.9	—	R 6,089.9
2020	—	0.2	4.8	1,797.9	1.0	45.1	116.3	2,636.8	—	4,601.9	4,602.0	—	4,602.0

[a] Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] 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."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] 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 https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table ET7. Electric Power Sector Price and Expenditure Estimates, Selected Years, 1970-2020, Iowa

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Fuel	Biomass	Electricity Imports [c]	Total Energy [d]
			Distillate Fuel Oil	Petroleum Coke	Residual Fuel Oil	Total		Wood and Waste [b]		
	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
2000	0.82	4.55	6.43	—	—	6.43	0.61	0.22	—	0.85
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	—	10.41	0.65	2.40	—	1.42
2011	1.43	5.44	22.91	1.60	—	13.00	0.70	2.44	—	1.48
2012	1.48	3.76	22.91	1.99	—	20.75	0.77	2.21	—	1.56
2013	1.67	4.61	22.54	—	—	22.54	0.84	2.26	—	1.70
2014	1.67	5.89	21.66	—	—	21.66	0.80	2.73	—	1.73
2015	1.62	3.07	12.24	—	—	12.24	0.71	2.62	—	1.58
2016	1.59	2.66	10.95	—	—	10.95	0.67	2.54	—	1.56
2017	1.66	3.03	13.09	—	—	13.09	0.76	2.40	—	1.67
2018	1.63	2.94	16.27	—	—	16.27	0.75	2.22	—	1.72
2019	1.54	R 2.60	14.56	—	—	14.56	0.69	2.33	—	R 1.60
2020	1.51	1.93	9.65	—	—	9.65	0.65	1.80	—	1.51
	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
2000	308.7	21.7	8.3	—	—	8.3	28.5	0.2	—	367.4
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	—	22.1	38.0	3.5	—	671.6
2012	524.1	63.4	26.9	0.3	—	27.2	34.9	3.1	—	652.6
2013	557.8	57.0	23.8	—	—	23.8	46.5	3.1	—	688.3
2014	563.7	64.7	15.9	—	—	15.9	34.6	4.7	—	683.5
2015	473.8	52.6	6.7	—	—	6.7	39.1	4.9	—	577.0
2016	397.4	58.7	10.3	—	—	10.3	32.8	4.9	—	504.1
2017	419.0	94.6	9.1	—	—	9.1	41.2	4.6	—	568.4
2018	455.1	149.2	12.2	—	—	12.2	38.1	4.0	—	658.5
2019	341.8	R 132.5	11.5	—	—	11.5	37.5	3.8	—	R 527.1
2020	215.5	91.7	7.3	—	—	7.3	19.7	3.2	—	337.4

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[c] Electricity imported from Canada and Mexico.
[d] There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
Where shown, R = Revised data, — = No consumption, and (s) = Value less than 0.05 million dollars.
Notes: Expenditure totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.