

Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2019, 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		
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
2001	—	1.42	1.42	6.46	7.28	12.34	11.32	3.28	6.58	9.43	1.46	6.47	12.26	7.50
2002	—	1.51	1.51	5.56	6.59	10.28	10.51	2.77	6.26	8.31	1.47	5.71	11.91	6.81
2003	—	1.44	1.44	6.48	7.84	12.72	11.88	3.11	6.80	9.55	1.47	6.15	12.19	7.32
2004	—	1.56	1.56	7.31	10.08	14.17	14.12	4.58	6.49	11.41	1.47	7.60	12.70	8.54
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	14.45	17.68	1.35	9.03	15.46	10.06
2010	—	2.52	2.52	6.06	18.86	15.33	22.18	11.66	20.69	17.63	1.38	8.62	15.71	9.74
2011	—	2.56	2.56	5.73	25.50	17.95	28.21	15.63	23.25	21.97	2.17	9.68	15.28	10.59
2012	—	2.61	2.61	4.64	25.70	12.18	28.80	16.91	22.43	19.99	2.14	8.46	15.52	9.66
2013	—	2.57	2.57	5.28	25.10	R 11.73	28.09	16.68	19.44	18.13	2.02	8.69	16.48	9.93
2014	—	2.49	2.49	7.30	23.42	R 13.04	26.86	15.95	R 19.61	18.17	2.11	9.83	16.74	10.98
2015	—	2.49	2.49	5.03	15.04	R 7.27	19.28	—	17.95	12.30	2.13	6.88	17.28	8.66
2016	—	2.37	2.37	4.45	12.10	7.01	17.15	—	R 14.12	10.48	1.83	6.04	17.73	8.06
2017	—	2.29	2.29	4.94	14.63	9.31	19.25	9.80	R 15.08	R 12.61	R 1.83	R 6.70	18.19	R 8.54
2018	—	2.16	2.16	R 5.07	17.76	10.29	21.34	11.12	R 18.40	R 14.74	R 2.21	R 7.24	18.92	R 9.11
2019	—	1.94	1.94	4.64	16.73	8.06	20.34	11.32	18.25	13.20	2.14	6.68	19.34	8.73

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
2001	—	83.9	83.9	600.0	288.4	508.9	70.7	0.9	103.3	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	2,170.9
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	2,167.9
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	2,672.7	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	205.7	1,786.2	11.7	2,962.5	960.5	3,923.0
2010	—	166.6	166.6	1,021.3	666.3	713.5	148.4	1.5	230.7	1,760.3	12.9	2,961.1	1,011.3	3,972.4
2011	—	180.4	180.4	966.6	875.2	786.6	193.6	3.1	248.2	2,106.7	3.6	3,257.3	1,002.8	4,260.1
2012	—	165.8	165.8	793.9	932.4	439.5	143.6	0.9	281.4	1,797.8	3.3	2,760.7	1,033.2	3,793.9
2013	—	165.4	165.4	942.4	894.1	R 585.6	137.9	0.6	329.4	R 1,947.7	3.7	R 3,059.2	1,104.0	R 4,163.2
2014	—	146.2	146.2	1,306.6	896.6	R 656.9	104.9	0.6	325.0	R 1,984.0	7.1	R 3,443.9	1,166.9	R 4,610.9
2015	—	131.0	131.0	947.5	663.4	R 334.9	73.0	—	R 266.9	R 1,338.1	5.8	R 2,422.4	1,255.1	R 3,677.5
2016	—	107.4	107.4	891.2	551.2	R 324.1	75.8	—	R 220.7	R 1,171.7	4.5	R 2,174.9	1,333.5	R 3,508.3
2017	—	102.3	102.3	1,256.6	626.9	R 438.5	85.6	1.0	R 246.1	R 1,398.1	R 3.7	R 2,760.7	1,431.7	R 4,192.4
2018	—	94.8	94.8	R 1,374.9	754.1	489.1	93.8	0.8	R 273.2	R 1,610.9	R 4.5	R 3,085.2	1,546.0	R 4,631.2
2019	—	83.1	83.1	1,231.9	767.6	415.7	81.9	1.1	267.7	1,534.0	5.5	2,854.5	1,599.7	4,454.2

^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.