

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		
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.