Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, Iowa

Year	Primary Energy														
	Coal			Natural Gas [a]	Petroleum						Biomass				
	Coking Coal	Steam Coal	Total		Distillate Fuel Oil	HGL [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total	Wood and Waste [e,f]	Total [f,g,h]	Electricity [i]	Total Energy [f,g,h]	
	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	1970
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	1975
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	1980
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	1985
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	1990
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	1995
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	2000
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	2005
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	2006
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	2007
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	2008
2009	—	2.65	2.65	6.19	14.90	20.42	18.73	7.98	17.46	18.10	1.35	9.16	15.46	10.17	2009
2010	—	2.52	2.52	6.06	18.86	15.33	22.18	11.66	21.58	17.73	1.38	8.65	15.71	9.76	2010
2011	—	2.56	2.56	5.73	25.50	17.95	28.21	15.63	23.67	22.02	2.17	9.69	15.28	10.60	2011
2012	—	2.61	2.61	4.64	25.70	12.18	28.80	16.91	23.46	20.13	2.14	8.50	15.52	9.69	2012
2013	—	2.57	2.57	5.28	25.10	11.73	28.09	16.68	19.74	18.17	2.02	8.70	16.48	9.94	2013
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	2014
2015	—	2.49	2.49	5.03	15.04	7.27	19.28	—	19.32	12.49	2.13	6.93	17.28	8.70	2015
2016	—	2.37	2.37	4.45	12.10	7.01	17.15	—	15.16	10.62	1.83	6.09	17.73	8.10	2016
2017	—	2.29	2.29	4.94	14.63	9.30	19.25	9.80	16.33	12.80	1.83	6.75	18.19	8.58	2017
2018	—	2.16	2.16	5.07	17.76	R 10.26	21.34	11.12	R 19.20	14.85	R 2.92	R 7.24	18.92	R 9.12	2018
2019	—	1.94	1.94	4.04	16.73	R 8.04	20.34	11.32	R 19.52	R 13.37	R 2.79	R 6.34	19.34	R 8.44	2019
2020	—	1.92	1.92	R 4.20	12.33	R 7.07	16.69	—	15.90	10.95	R 2.76	R 5.87	18.84	R 8.07	2020
2021	—	1.85	1.85	6.63	17.42	11.70	23.58	12.53	21.24	15.85	2.54	8.69	19.44	10.67	2021
	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	1970
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	1975
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	1980
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	1985
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	1990
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	1995
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	2000
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	2005
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	2006
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	2007
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	2008
2009	—	139.6	139.6	1,024.9	477.1	990.4	109.8	3.3	248.6	1,829.2	11.7	3,005.4	960.5	3,965.9	2009
2010	—	166.6	166.6	1,021.3	666.3	713.9	148.4	1.5	240.5	1,770.6	12.9	R 2,971.3	1,011.3	3,982.7	2010
2011	—	180.4	180.4	966.6	875.2	787.0	193.6	3.1	252.6	R 2,111.5	3.6	3,262.1	1,002.8	R 4,264.9	2011
2012	—	165.8	165.8	793.9	932.4	439.8	143.6	0.9	294.3	1,810.9	3.3	2,773.9	1,033.2	3,807.1	2012
2013	—	165.4	165.4	942.4	894.1	R 585.7	137.9	0.6	334.6	R 1,952.9	3.7	R 3,064.4	1,104.0	R 4,168.5	2013
2014	—	146.2	146.2	1,306.6	896.6	R 656.8	104.9	0.6	325.3	R 1,984.3	7.1	R 3,444.2	1,166.9	R 4,611.1	2014
2015	—	131.0	131.0	947.5	663.4	R 334.8	73.0	—	287.3	R 1,358.5	5.8	R 2,442.8	1,255.1	R 3,697.9	2015
2016	—	107.4	107.4	891.2	551.2	R 323.9	75.8	—	237.1	R 1,187.9	4.5	R 2,191.1	1,333.5	R 3,524.5	2016
2017	—	102.3	102.3	1,256.6	626.9	R 437.4	85.6	1.0	R 267.1	R 1,418.1	3.7	R 2,780.7	1,431.7	R 4,212.4	2017
2018	—	94.8	94.8	1,374.9	754.1	R 483.9	93.8	0.8	R 286.5	R 1,619.0	R 11.5	R 3,100.3	1,546.0	R 4,646.3	2018
2019	—	83.1	83.1	1,074.5	767.6	R 411.6	81.9	1.1	R 287.4	R 1,549.6	R 12.5	R 2,719.8	1,599.7	R 4,319.4	2019
2020	—	74.2	74.2	R 1,052.4	557.9	R 328.7	68.4	—	R 301.4	R 1,256.5	R 12.1	R 2,395.1	1,572.4	R 3,967.5	2020
2021	—	69.1	69.1	1,612.7	762.7	533.4	98.8	1.2	346.2	1,742.2	12.1	3,436.1	1,731.6	5,167.7	2021

[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.
[i] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.
Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.
Notes: Expenditure totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/