Table ET5. Industrial sector energy price and expenditure estimates, selected years, 1970-2022, North Dakota

Year	Primary energy													Electricity [i]	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	—	0.74	0.74	0.38	0.79	1.35	2.83	0.94	0.85	1.48	—		1.32	5.95	1.55
1975	—	1.26	1.26	1.00	2.72	2.77	4.69	1.94	2.16	3.24	—		2.78	8.00	3.18
1980	—	2.63	2.63	2.58	5.50	5.45	9.97	3.19	4.18	6.31	—		5.52	9.94	6.03
1985	—	0.63	0.63	4.19	6.28	9.12	9.64	3.49	5.35	6.64	—		2.55	15.27	3.30
1990	—	0.63	0.63	3.24	5.87	6.80	9.87	2.64	3.82	5.96	2.17		2.07	14.05	2.62
1995	—	0.80	0.80	2.76	4.87	7.83	9.19	2.38	3.82	5.44	1.01		1.91	13.19	2.38
2000	—	0.74	0.74	4.00	7.97	11.65	12.44	3.93	5.23	8.11	0.89		2.66	11.65	3.26
2005	—	0.83	0.83	9.02	14.39	17.51	18.18	6.59	5.77	12.74	2.02		4.74	12.67	5.26
2006	—	0.87	0.87	6.26	16.44	19.41	20.61	7.72	8.68	14.59	1.57		5.15	14.64	5.78
2007	—	0.89	0.89	6.56	18.50	21.84	23.41	8.51	11.12	18.29	1.76		5.69	15.35	6.43
2008	—	0.90	0.90	7.97	24.77	26.11	26.27	12.29	12.58	23.49	1.78		7.54	16.38	8.20
2009	—	1.06	1.06	4.94	14.76	20.23	19.70	7.91	17.14	15.91	1.38		5.04	15.38	5.84
2010	—	1.09	1.09	4.95	18.68	19.84	23.55	8.35	20.23	19.10	1.47		6.71	17.04	7.44
2011	—	1.71	1.71	4.75	25.26	22.90	29.95	15.48	22.79	24.85	1.79		10.20	18.29	10.77
2012	—	1.42	1.42	4.21	25.46	16.43	30.58	16.75	28.91	25.70	1.66		10.50	19.20	11.21
2013	—	1.38	1.38	3.87	24.86	17.61	29.83	—	24.57	24.57	1.50		11.32	20.89	12.09
2014	—	1.61	1.61	5.17	23.20	19.98	28.52	15.80	26.63	23.65	1.83		11.36	22.33	12.52
2015	—	1.94	1.94	2.88	14.89	10.46	20.47	10.18	25.63	16.44	1.69		6.66	23.64	8.51
2016	—	1.86	1.86	2.41	11.99	9.62	18.20	—	R 23.76	R 13.80	1.14		R 5.01	23.39	7.32
2017	—	1.24	1.24	2.91	14.49	R 13.50	20.44	—	R 21.00	R 15.50	0.86		R 5.98	22.37	R 8.19
2018	—	1.24	1.24	3.04	17.59	R 14.89	22.66	—	R 27.22	R 18.82	2.43		R 7.03	23.39	R 9.19
2019	—	1.35	1.35	2.56	16.57	R 11.15	21.60	—	R 28.89	R 17.62	2.71		R 6.81	23.28	R 9.27
2020	—	1.35	1.35	1.90	12.21	R 10.32	17.72	—	R 24.16	R 13.92	2.68		R 5.00	21.29	R 7.67
2021	—	1.42	1.42	4.33	17.26	R 17.35	25.03	—	R 28.19	R 18.87	2.72		R 7.30	21.59	R 9.80
2022	—	1.53	1.53	6.37	28.23	18.40	32.96	—	37.55	28.95	2.99		10.92	21.35	12.80
	Expenditures in million dollars														
1970	—	5.4	5.4	0.7	10.0	1.0	34.4	2.3	8.6	56.3	—		62.3	14.3	76.7
1975	—	9.4	9.4	1.9	25.6	1.8	54.1	4.6	16.8	102.9	—		114.1	27.0	141.1
1980	—	20.2	20.2	2.6	78.8	13.0	80.7	4.1	23.1	199.8	—		222.6	52.6	275.2
1985	—	44.9	44.9	8.7	105.5	10.3	54.7	4.8	39.6	214.9	—		268.8	101.1	369.9
1990	—	53.9	53.9	12.9	103.0	14.4	41.4	3.6	21.3	183.7	0.1		250.9	82.2	333.1
1995	—	79.5	79.5	16.4	85.6	21.8	32.8	1.1	20.7	162.0	0.3		258.3	77.7	336.0
2000	—	71.0	71.0	54.6	127.6	50.3	28.6	0.9	39.5	247.0	0.4		373.0	117.5	490.5
2005	—	76.2	76.2	100.2	313.3	69.9	59.1	8.5	53.5	504.4	2.4		683.0	128.1	811.1
2006	—	83.3	83.3	84.7	361.0	67.7	72.3	4.4	109.3	614.7	2.1		784.7	158.1	942.8
2007	—	82.1	82.1	113.0	413.9	89.8	69.4	3.5	47.6	624.2	1.8		821.0	183.9	1,005.0
2008	—	82.4	82.4	158.5	717.8	57.7	59.7	6.0	50.2	891.4	1.6		1,134.0	200.1	1,334.1
2009	—	99.1	99.1	72.1	335.7	57.7	45.8	2.8	112.9	554.9	1.2		727.2	184.3	911.5
2010	—	104.7	104.7	111.9	656.7	55.7	35.4	1.9	149.4	899.0	1.4		1,116.9	216.2	1,333.2
2011	—	159.1	159.1	130.7	1,262.1	39.9	47.6	3.8	250.7	1,604.1	2.1		1,895.9	260.3	2,156.2
2012	—	134.0	134.0	107.5	1,408.7	35.5	43.3	0.7	241.1	1,729.4	1.7		1,972.5	323.6	2,296.1
2013	—	121.3	121.3	104.4	1,592.9	67.6	44.8	—	315.8	2,021.3	2.0		2,249.0	362.7	2,611.6
2014	—	150.4	150.4	139.9	1,652.9	67.1	37.4	0.1	341.2	2,098.6	2.3		2,391.2	550.8	2,942.0
2015	—	186.0	186.0	89.0	675.7	29.0	41.6	(s)	219.4	965.8	2.1		1,242.9	538.5	1,781.4
2016	—	174.7	174.7	73.6	390.3	25.0	33.9	—	R 147.5	R 596.6	1.3		R 846.2	568.4	R 1,414.6
2017	—	117.6	117.6	90.5	636.9	R 53.9	38.2	—	R 164.5	R 893.5	1.0		R 1,102.6	644.4	R 1,747.0
2018	—	118.3	118.3	104.7	809.4	R 48.6	41.6	—	R 201.9	R 1,101.5	1.2		R 1,325.6	670.9	R 1,996.6
2019	—	112.8	112.8	92.3	732.5	R 51.2	38.7	—	R 176.9	R 999.2	1.3		R 1,205.7	724.4	R 1,930.1
2020	—	115.3	115.3	72.3	453.1	R 30.0	31.8	—	R 158.4	R 673.4	1.2		R 862.2	718.9	R 1,581.1
2021	—	120.2	120.2	165.4	725.1	R 46.2	43.0	—	R 185.8	R 1,000.0	1.2		R 1,286.8	806.4	R 2,093.2
2022	—	130.3	130.3	246.5	1,199.3	59.8	59.2	—	252.0	1,570.3	1.2		1,948.3	838.1	2,786.4

[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/