

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Electricity ^j	Electrical system energy losses ^l	Total ^{f,k}	
			Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total		Wood and waste ^{f,g}	Losses and co-products ^h						
Thousand short tons	Billion cubic feet	Thousand barrels						Million kWh			Million kWh		End use ^{f,k}				
1960	521	20	2,104	257	2,927	530	2,005	7,823	0	--	--	--	NA	121	--	--	
1965	444	21	2,696	240	2,533	632	1,702	7,804	0	--	--	--	NA	241	--	--	
1970	523	16	2,174	206	2,315	558	2,456	7,710	0	--	--	--	NA	720	--	--	
1975	570	14	1,613	189	2,193	577	2,219	6,792	0	--	--	--	NA	1,007	--	--	
1980	585	2	2,460	690	1,540	315	1,836	6,842	0	--	--	--	NA	1,576	--	--	
1985	5,407	7	2,890	340	1,080	440	1,896	6,646	0	--	--	--	NA	1,988	--	--	
1990	6,400	11	3,016	644	799	304	1,979	6,742	0	--	--	--	0	1,760	--	--	
1995	7,447	18	3,027	830	685	145	1,923	6,610	0	--	--	--	0	1,771	--	--	
2000	6,719	24	2,756	1,283	443	66	2,179	6,726	0	--	--	--	0	3,031	--	--	
2005	6,467	19	3,747	1,180	626	210	2,700	8,463	0	--	--	--	0	3,050	--	--	
2006	6,671	21	3,787	1,031	676	95	3,227	8,815	0	--	--	--	0	3,266	--	--	
2007	6,440	25	3,871	1,230	577	68	1,924	7,670	0	--	--	--	0	3,624	--	--	
2008	6,379	29	5,018	674	445	80	1,758	7,976	0	--	--	--	0	3,697	--	--	
2009	6,493	23	3,942	894	457	60	2,152	7,506	0	--	--	--	0	3,641	--	--	
2010	6,657	32	6,091	762	296	38	2,363	9,550	0	--	--	--	0	3,850	--	--	
2011	6,447	37	8,660	463	314	39	2,967	12,444	0	--	--	--	0	4,319	--	--	
2012	6,555	37	9,609	573	280	7	2,735	13,204	0	--	--	--	0	5,124	--	--	
2013	6,133	41	11,118	1,006	297	0	3,370	15,792	0	--	--	--	0	5,309	--	--	
2014	6,452	43	12,363	900	259	1	3,295	16,818	0	--	--	--	0	7,479	--	--	
2015	6,619	54	7,875	766	402	1	2,941	11,983	0	--	--	--	0	6,988	--	--	
2016	6,505	55	5,656	690	368	0	R 2,626	R 9,340	0	--	--	--	0	7,433	--	--	
2017	6,540	60	7,638	1,049	370	0	R 2,901	R 11,957	0	--	--	--	0	8,762	--	--	
2018	6,599	69	7,992	857	363	0	R 2,760	R 11,972	0	--	--	--	0	8,700	--	--	
2019	5,810	R 76	7,677	1,201	354	0	R 2,568	R 11,800	0	--	--	--	0	9,399	--	--	
2020	5,930	R 106	6,446	761	355	0	R 2,463	10,026	0	--	--	--	0	10,131	--	--	
2021	5,872	108	7,292	696	340	0	R 2,401	10,729	0	--	--	--	0	11,166	--	--	
2022	5,891	108	7,370	849	356	0	2,372	10,947	0	--	--	--	0	11,729	--	--	
Trillion Btu																	
1960	7.7	20.3	12.3	1.0	15.4	3.3	12.7	44.7	0.0	0.0	NA	NA	NA	0.4	73.1	R 0.8	R 74.0
1965	6.5	20.9	15.7	0.9	13.3	4.0	10.7	44.6	0.0	0.0	NA	NA	NA	0.8	72.8	R 1.6	R 74.4
1970	7.2	16.3	12.7	0.8	12.2	3.5	15.6	44.7	0.0	0.0	NA	NA	NA	2.5	70.7	R 5.0	R 75.8
1975	7.4	14.0	9.4	0.7	11.5	3.6	14.0	39.2	0.0	0.0	NA	NA	NA	3.4	64.1	R 7.0	R 71.1
1980	7.7	2.1	14.3	2.4	8.1	2.0	11.5	38.3	0.0	0.0	NA	NA	NA	5.4	53.5	R 11.4	R 64.9
1985	71.2	7.3	16.8	1.2	5.7	2.8	12.2	38.6	0.0	0.0	1.2	NA	NA	6.8	124.7	R 13.8	R 138.5
1990	86.3	11.7	17.6	2.2	4.2	1.9	12.4	38.3	0.0	0.1	1.0	0.0	0.0	6.0	142.4	R 13.7	R 156.1
1995	99.4	18.7	17.6	2.9	3.6	0.9	12.1	37.1	0.0	0.9	1.3	0.0	0.0	6.0	162.1	R 13.1	R 175.2
2000	95.6	24.7	16.0	4.4	2.3	0.4	13.8	37.0	0.0	1.2	1.2	0.0	0.0	10.3	168.0	R 22.8	R 190.8
2005	92.3	19.8	21.8	4.0	3.3	1.3	17.2	47.6	0.0	2.5	1.8	0.0	0.0	10.4	172.5	R 22.1	R 194.7
2006	95.4	22.2	22.0	3.5	3.5	0.6	20.6	50.2	0.0	2.0	1.8	0.0	0.0	11.1	180.3	R 24.0	R 204.4
2007	92.0	26.3	22.4	4.2	3.0	0.4	12.0	41.9	0.0	1.6	7.8	0.0	0.0	12.4	179.5	R 26.4	R 206.0
2008	91.7	30.2	29.0	2.3	2.3	0.5	10.9	45.0	0.0	1.5	8.6	0.0	0.0	12.6	187.1	R 26.7	R 213.8
2009	93.9	24.5	22.8	3.0	2.3	0.4	13.6	42.0	0.0	1.5	14.4	0.0	0.0	12.4	186.3	R 24.8	R 211.1
2010	95.8	33.6	35.2	2.9	1.5	0.2	14.9	54.7	0.0	1.6	17.1	0.0	0.0	13.1	212.9	R 24.2	R 237.1
2011	92.7	39.7	50.0	1.8	1.6	0.2	18.9	72.4	0.0	2.4	17.7	0.0	0.0	14.7	236.5	R 25.9	R 262.5
2012	94.1	39.6	55.4	2.2	1.4	(s)	17.2	76.3	0.0	2.0	16.6	0.0	0.0	17.5	242.8	R 30.9	R 273.7
2013	88.1	43.8	64.1	3.9	1.5	0.0	21.4	90.9	0.0	2.2	16.6	0.0	0.0	18.1	257.3	R 32.0	R 289.2
2014	93.3	46.7	71.2	3.5	1.3	(s)	21.0	97.0	0.0	2.3	16.7	0.0	0.0	25.5	278.9	R 44.0	R 323.0
2015	95.7	58.7	45.4	2.9	2.0	(s)	18.4	68.8	0.0	2.2	19.4	0.0	0.0	23.8	265.9	R 41.7	R 307.6
2016	94.0	59.5	32.6	2.6	1.9	0.0	16.7	53.8	0.0	2.2	22.2	0.0	0.0	25.4	254.6	R 42.6	R 297.2
2017	94.6	64.5	44.0	4.0	1.9	0.0	R 18.5	R 68.4	0.0	2.0	27.3	0.0	0.0	29.9	R 283.6	R 45.7	R 329.3
2018	95.1	74.3	46.0	3.3	1.8	0.0	R 17.6	R 68.8	0.0	1.2	27.4	0.0	0.0	29.7	R 293.4	R 47.0	R 340.3
2019	83.9	R 83.5	44.2	4.6	1.8	0.0	R 16.3	R 66.9	0.0	1.2	27.6	0.0	0.0	32.1	R 292.6	R 50.6	R 343.2
2020	85.7	R 113.8	37.1	2.9	1.8	0.0	R 15.7	R 57.5	0.0	1.2	27.2	0.0	0.0	34.6	R 317.3	R 43.3	R 360.6
2021	84.6	R 115.6	42.0	2.7	1.7	0.0	R 15.4	R 61.8	0.0	1.2	27.4	0.0	0.0	38.1	R 326.0	R 54.4	R 380.4
2022	85.2	114.3	42.5	3.3	1.8	0.0	15.2	62.7	0.0	1.1	27.6	0.0	0.0	40.0	328.4	52.3	380.7

^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 this time series between 2014 and 2015 because of coverage. See 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 Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Losses and co-products from the production of biodiesel and fuel ethanol.

ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

^j Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^k Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and

the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities.

^l Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. --- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: · 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. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

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/>