Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, North Dakota

			Petroleum												
Year	Coal	Natural gas [a]	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total	Nuclear electric power	Hydro-electric power [g]	Wind	Fuel ethanol [h]	Biodiesel
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatthours			Thousand barrels	
1960	2,100	26	3,773	1,212	2,103	7,719	687	3,089	18,583	0	1,060	0	NA	NA
1965	1,719	32	5,170	1,154	2,069	8,212	868	2,054	19,526	0	2,497	0	NA	NA
1970	4,186	33	4,975	1,719	2,074	8,766	728	2,879	21,141	0	2,815	0	NA	NA
1971	5,049	34	4,923	1,709	2,225	9,182	654	3,166	21,859	0	3,235	0	NA	NA
1972	5,434	36	5,206	1,832	2,044	9,575	777	2,673	22,107	0	3,095	0	NA	NA
1973	5,272	32	4,750	1,607	1,857	9,993	899	3,009	22,115	0	2,382	0	NA	NA
1974	5,696	35	4,421	1,584	1,941	9,630	1,174	2,769	21,519	0	2,729	0	NA	NA
1975	5,100	37	4,446	1,580	1,855	10,044	1,089	2,463	21,477	0	3,345	0	NA	NA
1976	6,924	41	4,079	1,663	1,800	10,411	1,033	2,484	21,471	0	3,272	0	NA	NA
1977	8,073	38	4,097	1,594	1,905	10,430	955	2,271	21,252	0	1,994	0	NA	NA
1978	9,706	39	4,229	1,962	1,837	10,782	906	2,608	22,324	0	3,034	0	NA	NA
1979	11,099	29	8,323	1,711	1,824	9,795	910	2,307	24,871	0	2,736	0	NA	NA
1980	12,346	23	8,139	1,302	1,702	9,167	716	2,057	23,083	0	2,513	0	NA	NA
1981	13,018	34	7,689	1,451	1,629	9,523	1,119	1,657	23,069	0	2,250	0	31	NA
1982	14,977	28	7,248	1,446	1,583	9,340	1,129	1,672	22,418	0	2,553	0	15	NA
1983	16,190	26	6,867	1,455	1,495	9,017	1,508	2,204	22,546	0	2,377	0	10	NA
1984	19,656	30	7,743	477	1,707	8,867	1,006	2,143	21,944	0	2,362	0	12	NA
1985	22,958	28	7,637	549	1,682	8,822	505	2,051	21,246	0	2,173	(s)	69	NA
1986	23,587	25	7,548	1,730	1,646	8,580	377	1,947	21,827	0	2,326	(s)	142	NA
1987	24,101	25	7,172	1,773	1,254	8,837	355	2,066	21,458	0	1,982	(s)	153	NA
1988	28,029	29	6,943	1,606	1,315	8,588	349	2,300	21,101	0	1,884	0	108	NA
1989	27,401	30	7,550	1,747	1,336	8,398	294	2,297	21,622	0	1,893	0	110	NA
1990	28,114	32	7,219	1,426	1,178	8,151	326	2,168	20,468	0	1,711	0	85	NA
1991	28,597	40	7,377	2,025	964	8,255	304	1,965	20,891	0	1,757	0	127	NA
1992	30,301	37	6,926	1,771	1,405	8,233	287	2,840	21,463	0	1,699	0	148	NA
1993	30,302	40	7,363	1,369	1,254	8,482	394	2,253	21,114	0	1,415	0	147	NA
1994	30,363	43	7,736	1,316	846	8,387	338	2,631	21,254	0	1,856	0	174	NA
1995	30,237	45	8,005	1,754	333	8,650	164	2,141	21,047	0	2,457	0	164	NA
1996	30,511	49	8,334	2,226	246	8,683	135	2,391	22,015	0	3,151	0	122	NA
1997	29,360	56	8,034	2,534	189	8,628	187	2,698	22,270	0	3,320	0	119	NA
1998	31,060	50	7,181	1,976	211	8,681	44	2,751	20,844	0	2,296	0	116	NA
1999	31,276	56	7,548	2,675	405	8,711	61	3,451	22,850	0	2,609	0	123	NA
2000	31,902	57	7,805	3,354	413	8,512	78	2,375	22,538	0	2,123	0	149	NA
2001	31,524	61	8,869	5,426	751	8,478	69	2,839	26,432	0	1,332	0	179	4
2002	31,984	67	8,202	3,406	528	8,554	101	2,540	23,331	0	1,593	0	228	6
2003	31,970	61	8,548	2,775	558	8,675	143	2,173	22,871	0	1,724	59	273	5
2004	30,079	60	9,405	3,311	1,093	8,603	63	2,491	24,966	0	1,546	215	243	10
2005	32,044	53	9,798	3,370	646	8,716	256	2,909	25,695	0	1,342	220	530	35
2006	31,073	53	9,966	2,766	735	8,455	105	3,406	25,433	0	1,521	369	512	102
2007	31,340	59	11,934	3,023	710	8,648	94	2,098	26,507	0	1,305	621	626	138
2008	31,376	63	11,885	2,847	613	8,703	92	1,923	26,064	0	1,253	1,693	755	118
2009	31,183	55	9,668	2,950	687	8,915	61	2,302	24,583	0	1,475	2,998	800	125
2010	29,861	66	12,968	2,549	769	9,244	40	2,518	28,088	0	2,042	4,096	981	101
2011	28,592	72	18,193	2,524	835	9,753	59	3,145	34,509	0	2,580	5,236	974	345
2012	29,423	73	20,842	2,373	720	10,319	22	2,901	37,177	0	2,477	5,275	1,041	388
2013	28,510	82	23,178	3,337	876	10,731	2	3,542	41,667	0	1,852	5,519	1,093	688
2014	28,816	87	25,552	3,104	789	11,194	2	3,502	44,144	0	2,531	6,202	1,136	689
2015	29,477	98	18,618	2,789	1,005	11,177	1	3,141	36,731	0	2,094	6,506	1,165	444
2016	28,370	102	14,696	2,666	834	10,564	0	R 2,799	R 31,560	0	1,912	8,172	1,095	519
2017	28,804	109	17,686	3,030	763	10,425	0	R 3,068	R 34,972	0	2,582	11,359	1,085	529
2018	29,760	126	18,886	2,870	818	10,437	0	R 2,932	R 35,943	0	3,180	10,733	1,077	501
2019	27,192	148	18,109	3,915	776	10,485	0	R 2,735	R 36,021	0	3,179	11,213	1,102	R 383
2020	26,440	R 176	15,421	3,111	786	9,310	0	R 2,609	R 31,236	0	2,450	13,634	983	436
2021	26,358	184	R 15,826	2,929	806	9,789	0	R 2,765	R 32,115	0	1,989	14,935	1,026	R 380
2022	26,979	188	16,207	2,927	812	9,630	0	2,754	32,330	0	1,791	16,250	1,021	389

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[h] Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by 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/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, North Dakota

(trillion Btu)

Year	Fossil fuels										*Fossil fuels (as commingled)*		
			Petroleum										
	Coal	Natural gas excluding supplemental gaseous fuels [a]	Distillate fuel oil excluding biofuels [a]	HGL [b]	Jet fuel [c]	Motor gasoline excluding fuel ethanol [a]	Residual fuel oil	Other [d]	Total	Total	*Natural gas including supplemental gaseous fuels* [a]	*Distillate fuel oil including biofuels* [a]	*Motor gasoline including fuel ethanol* [a]
1960	30.5	27.4	22.0	4.6	11.3	40.5	4.3	18.9	101.6	159.5	*27.4*	*22.0*	*40.5*
1965	24.7	32.4	30.1	4.4	11.1	43.1	5.5	12.7	106.9	164.1	*32.4*	*30.1*	*43.1*
1970	57.5	33.7	29.0	6.6	11.2	46.0	4.6	18.0	115.4	206.6	*33.7*	*29.0*	*46.0*
1971	67.7	34.6	28.7	6.5	12.0	48.2	4.1	19.9	119.5	221.8	*34.6*	*28.7*	*48.2*
1972	72.8	37.6	30.3	7.0	11.0	50.3	4.9	16.7	120.2	230.6	*37.6*	*30.3*	*50.3*
1973	71.1	33.2	27.7	6.1	10.0	52.5	5.7	18.9	120.9	225.2	*33.2*	*27.7*	*52.5*
1974	76.5	35.5	25.7	6.0	10.5	50.6	7.4	17.4	117.6	229.6	*35.5*	*25.7*	*50.6*
1975	67.9	36.9	25.9	6.0	10.0	52.8	6.8	15.4	116.9	221.7	*36.9*	*25.9*	*52.8*
1976	91.5	41.2	23.8	6.3	9.7	54.7	6.5	15.5	116.5	249.2	*41.2*	*23.8*	*54.7*
1977	107.3	37.6	23.9	6.0	10.3	54.8	6.0	14.1	115.1	260.1	*37.6*	*23.9*	*54.8*
1978	129.8	39.1	24.6	7.4	9.9	56.6	5.7	16.3	120.6	289.4	*39.1*	*24.6*	*56.6*
1979	148.1	29.2	48.5	6.3	9.9	51.5	5.7	14.4	136.2	313.5	*29.2*	*48.5*	*51.5*
1980	163.3	23.8	47.4	4.8	9.2	48.2	4.5	12.8	126.8	314.0	*24.0*	*47.4*	*48.2*
1981	172.4	35.5	44.8	5.4	8.8	50.0	7.0	10.5	126.6	334.4	*35.9*	*44.8*	*50.0*
1982	198.9	29.0	42.2	5.2	8.5	49.1	7.1	10.6	122.8	350.7	*29.1*	*42.2*	*49.1*
1983	213.4	27.3	40.0	5.3	8.1	47.4	9.5	14.0	124.2	364.9	*27.3*	*40.0*	*47.4*
1984	256.7	22.9	45.1	1.7	9.2	46.6	6.3	13.6	122.5	402.0	*31.6*	*45.1*	*46.6*
1985	302.0	25.6	44.5	2.0	9.1	46.3	3.2	13.1	118.2	445.7	*29.8*	*44.5*	*46.3*
1986	310.9	21.4	44.0	6.3	8.9	45.1	2.4	12.4	119.0	451.2	*26.6*	*44.0*	*45.1*
1987	319.3	20.6	41.8	6.5	6.8	46.4	2.2	13.1	116.7	456.7	*26.0*	*41.8*	*46.4*
1988	369.8	25.0	40.4	5.9	7.1	45.1	2.2	14.5	115.2	510.0	*30.2*	*40.4*	*45.1*
1989	363.8	25.9	44.0	6.5	7.2	44.1	1.8	14.4	118.0	507.8	*31.6*	*44.0*	*44.1*
1990	374.5	28.0	42.1	5.2	6.4	42.8	2.1	13.5	112.1	514.6	*33.5*	*42.1*	*42.8*
1991	378.9	36.1	43.0	7.4	5.2	43.4	1.9	12.3	113.2	528.3	*41.6*	*43.0*	*43.4*
1992	399.2	32.1	40.3	6.6	7.6	43.3	1.8	18.0	117.6	548.9	*38.3*	*40.3*	*43.3*
1993	399.9	36.3	42.9	5.1	6.8	43.7	2.5	14.1	115.1	551.3	*42.4*	*42.9*	*44.3*
1994	402.5	39.3	45.0	4.9	4.6	43.1	2.1	16.6	116.4	558.1	*45.4*	*45.0*	*43.7*
1995	399.8	41.7	46.6	6.4	1.9	44.4	1.0	13.3	113.7	555.1	*47.7*	*46.6*	*45.0*
1996	404.0	45.7	48.5	8.1	1.4	44.8	0.9	14.9	118.6	568.2	*51.6*	*48.5*	*45.2*
1997	386.0	53.7	46.8	9.4	1.1	44.5	1.2	17.0	119.9	559.6	*59.3*	*46.8*	*44.9*
1998	409.2	45.8	41.8	7.3	1.2	44.8	0.3	17.4	112.8	567.8	*51.4*	*41.8*	*45.2*
1999	411.3	53.4	43.9	9.9	2.3	44.9	0.4	22.0	123.4	588.1	*59.0*	*43.9*	*45.3*
2000	424.6	53.4	45.4	12.3	2.3	43.8	0.5	15.0	119.3	597.3	*58.5*	*45.4*	*44.3*
2001	420.0	57.3	51.6	19.6	4.3	43.5	0.4	17.8	137.2	614.5	*62.6*	*51.6*	*44.1*
2002	422.8	61.6	47.7	12.6	3.0	43.7	0.6	15.9	123.5	607.9	*66.9*	*47.7*	*44.5*
2003	420.8	56.1	49.7	10.4	3.2	44.1	0.9	13.4	121.7	598.6	*61.5*	*49.7*	*45.1*
2004	398.4	56.4	54.7	12.2	6.2	43.9	0.4	15.7	133.0	587.8	*61.2*	*54.7*	*44.7*
2005	431.1	49.6	57.0	12.5	3.7	43.4	1.6	18.4	136.5	617.3	*55.0*	*57.0*	*45.3*
2006	414.8	50.0	57.8	10.2	4.2	42.1	0.7	21.6	136.5	601.4	*55.7*	*57.8*	*43.8*
2007	420.7	56.8	69.0	11.1	4.0	42.3	0.6	13.0	140.0	617.5	*62.2*	*69.0*	*44.5*
2008	424.6	60.5	68.7	10.6	3.5	41.8	0.6	11.9	137.1	622.2	*65.7*	*68.7*	*44.4*
2009	423.3	51.9	55.5	10.9	3.9	42.6	0.4	14.5	127.7	602.9	*57.6*	*55.8*	*45.4*
2010	409.7	64.3	74.6	9.8	4.4	43.4	0.3	15.8	148.3	622.2	*70.0*	*74.9*	*46.8*
2011	394.8	72.2	104.1	9.7	4.7	46.0	0.4	19.9	184.8	651.8	*77.8*	*105.0*	*49.4*
2012	406.3	71.9	119.1	9.1	4.1	48.6	0.1	18.2	199.2	677.4	*77.5*	*120.2*	*52.2*
2013	393.2	82.3	131.4	12.8	5.0	50.5	(s)	22.5	222.2	697.7	*87.2*	*133.6*	*54.3*
2014	399.2	89.1	145.0	11.9	4.5	52.7	(s)	22.2	236.3	724.6	*94.4*	*147.3*	*56.6*
2015	408.1	100.9	105.2	10.7	5.7	52.5	(s)	19.6	193.7	702.7	*106.1*	*107.3*	*56.5*
2016	394.6	105.6	82.3	10.2	4.7	49.6	0.0	17.7	164.6	664.8	*110.8*	*84.6*	*53.4*
2017	397.9	112.1	99.4	11.6	4.3	48.9	0.0	R 19.5	R 183.8	R 693.8	*118.2*	*101.8*	*52.7*
2018	407.3	130.1	106.4	11.0	4.6	49.0	0.0	R 18.6	R 189.7	R 727.1	*136.4*	*108.8*	*52.7*
2019	372.0	157.4	102.2	15.0	4.4	49.1	0.0	R 17.3	R 188.0	R 717.5	*163.0*	*104.3*	*53.0*
2020	363.3	R 182.6	86.8	11.9	4.5	43.6	0.0	R 16.5	R 163.3	R 709.2	R *188.2*	*88.8*	*47.0*
2021	361.8	R 191.2	R 90.5	11.3	4.6	45.9	0.0	R 17.4	R 168.3	R 721.3	R *196.7*	R *91.2*	*49.4*
2022	369.3	193.2	92.6	11.2	4.6	45.1	0.0	17.3	169.6	732.2	*198.6*	*93.4*	*48.6*

[a] Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by 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/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, North Dakota (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity [k]	Electricity net imports [l]	Total [f]
		Hydro-electric power [e,f]	Biomass						Geo-thermal [f]	Solar [f,j]	Wind	Total [f]			
			Wood and waste [f,g]	Fuel ethanol [h]	Biodiesel	Renewable diesel	Losses and co-products [i]	Total [f]							
1960	0.0	R 3.6	0.5	NA	NA	NA	NA	0.5	0.0	NA	NA	R 4.1	R -6.0	0.0	R 157.6
1965	0.0	R 8.5	0.3	NA	NA	NA	NA	0.3	0.0	NA	NA	R 8.9	R -5.8	(s)	R 167.1
1970	0.0	R 9.6	0.4	NA	NA	NA	NA	0.4	0.0	NA	NA	R 10.0	R -30.0	1.0	R 187.6
1971	0.0	R 11.0	0.4	NA	NA	NA	NA	0.4	0.0	NA	NA	R 11.4	R -44.1	2.3	R 191.5
1972	0.0	R 10.6	0.4	NA	NA	NA	NA	0.4	0.0	NA	NA	R 10.9	R -44.7	2.9	R 199.7
1973	0.0	R 8.1	0.4	NA	NA	NA	NA	0.4	0.0	NA	NA	R 8.5	R -38.9	3.4	R 198.1
1974	0.0	R 9.3	0.4	NA	NA	NA	NA	0.4	0.0	NA	NA	R 9.7	R -44.3	4.6	R 199.6
1975	0.0	R 11.4	0.5	NA	NA	NA	NA	0.5	0.0	NA	NA	R 11.9	R -35.6	4.0	R 202.0
1976	0.0	R 11.2	0.5	NA	NA	NA	NA	0.5	0.0	NA	NA	R 11.6	R -56.2	1.5	R 206.1
1977	0.0	R 6.8	0.5	NA	NA	NA	NA	0.5	0.0	NA	NA	R 7.3	R -59.0	-1.5	R 206.9
1978	0.0	R 10.4	0.5	NA	NA	NA	NA	0.5	0.0	NA	NA	R 10.9	R -82.6	7.4	R 225.2
1979	0.0	R 9.3	0.6	NA	NA	NA	NA	0.6	0.0	NA	NA	R 9.9	R -101.6	11.2	R 233.0
1980	0.0	R 8.6	2.4	NA	NA	NA	NA	2.4	0.0	NA	NA	R 11.0	R -117.2	9.7	R 217.5
1981	0.0	R 7.7	2.2	0.1	NA	NA	0.1	2.5	0.0	NA	NA	R 10.1	R -123.6	10.3	R 231.3
1982	0.0	R 8.7	2.6	0.1	NA	NA	0.5	3.2	0.0	NA	NA	R 11.9	R -150.0	15.7	R 228.3
1983	0.0	R 8.1	2.4	(s)	NA	NA	0.9	3.4	0.0	NA	0.0	R 11.5	R -171.7	19.3	R 224.0
1984	0.0	R 8.1	3.0	(s)	NA	NA	1.1	4.2	0.0	0.0	0.0	R 12.2	R -177.7	16.2	R 252.7
1985	0.0	R 7.4	3.1	0.2	NA	NA	1.2	4.5	0.0	0.0	(s)	R 11.9	R -172.4	9.0	R 294.2
1986	0.0	R 7.9	3.0	0.5	NA	NA	1.2	4.7	0.0	0.0	(s)	R 12.7	R -169.5	3.3	R 297.8
1987	0.0	R 6.8	2.5	0.5	NA	NA	1.3	4.4	0.0	0.0	(s)	R 11.2	R -174.5	4.7	R 298.0
1988	0.0	R 6.4	2.7	0.4	NA	NA	1.3	4.4	0.0	0.0	0.0	R 10.8	R -220.1	1.3	R 302.1
1989	0.0	R 6.5	2.8	0.4	NA	NA	1.2	4.4	0.1	(s)	0.0	R 10.9	R -205.1	0.2	R 313.7
1990	0.0	R 5.8	1.9	0.3	NA	NA	1.0	3.3	0.1	(s)	0.0	R 9.2	R -214.1	0.1	R 309.7
1991	0.0	R 6.0	2.0	0.4	NA	NA	1.2	3.7	0.1	(s)	0.0	R 9.8	R -219.1	0.6	R 319.6
1992	0.0	R 5.8	2.1	0.5	NA	NA	1.1	3.7	0.1	(s)	0.0	R 9.6	R -234.6	2.3	R 326.2
1993	0.0	R 4.8	1.8	0.5	NA	NA	1.2	3.5	0.1	(s)	0.0	R 8.5	R -233.8	3.6	R 329.6
1994	0.0	R 6.3	2.3	0.6	NA	NA	1.3	4.2	0.1	(s)	0.0	R 10.7	R -233.5	3.3	R 338.6
1995	0.0	R 8.4	2.6	0.6	NA	NA	1.3	4.4	0.1	(s)	0.0	R 13.0	R -225.0	2.5	R 345.5
1996	0.0	R 10.8	2.4	0.4	NA	NA	0.5	3.4	0.2	(s)	0.0	R 14.3	R -238.1	3.0	R 347.3
1997	0.0	R 11.3	2.3	0.4	NA	NA	0.9	3.6	0.2	(s)	0.0	R 15.1	R -221.8	0.4	R 353.3
1998	0.0	R 7.8	2.2	0.4	NA	NA	1.1	3.7	0.2	(s)	0.0	R 11.7	R -235.4	-0.7	R 343.4
1999	0.0	R 8.9	2.3	0.4	NA	NA	1.0	3.8	0.2	(s)	0.0	R 12.9	R -230.3	-0.5	R 370.2
2000	0.0	R 7.2	2.5	0.5	NA	NA	1.2	4.3	0.2	(s)	0.0	R 11.7	R -234.1	2.2	R 377.2
2001	0.0	R 4.5	3.5	0.6	(s)	NA	1.3	5.5	0.3	(s)	0.0	R 10.3	R -222.4	1.9	R 404.3
2002	0.0	R 5.4	2.6	0.8	(s)	NA	1.8	5.3	0.3	(s)	0.0	R 11.0	R -221.9	0.6	R 397.6
2003	0.0	R 5.9	2.7	0.9	(s)	NA	2.1	5.8	0.4	(s)	R 0.2	R 12.2	R -212.8	-1.4	R 396.6
2004	0.0	R 5.3	3.3	0.8	0.1	NA	1.9	6.1	0.4	(s)	R 0.7	R 12.5	R -200.5	0.4	R 400.2
2005	0.0	R 4.6	2.9	1.8	0.2	NA	1.8	6.8	0.5	(s)	R 0.8	R 12.6	R -230.0	5.8	R 405.7
2006	0.0	R 5.2	2.4	1.8	0.5	NA	1.8	6.5	0.5	(s)	R 1.3	R 13.5	R -206.0	2.6	R 411.5
2007	0.0	R 4.5	2.0	2.2	0.7	NA	7.8	12.7	0.6	(s)	R 2.1	R 19.9	R -208.7	4.5	R 433.3
2008	0.0	R 4.3	1.9	2.6	0.6	NA	8.6	13.8	0.7	(s)	R 5.8	R 24.5	R -212.4	2.8	R 437.1
2009	0.0	R 5.0	2.0	2.8	0.7	NA	14.4	19.8	0.8	(s)	R 10.2	R 35.9	R -216.5	2.5	R 424.8
2010	0.0	R 7.0	2.1	3.4	0.5	NA	17.1	23.2	0.9	(s)	R 14.0	R 45.1	R -211.7	3.8	R 459.5
2011	0.0	R 8.8	2.9	3.4	1.9	0.0	17.7	25.8	1.0	(s)	R 17.9	R 53.5	R -202.7	4.4	R 507.1
2012	0.0	R 8.5	2.4	3.6	2.1	0.0	16.6	24.8	1.0	(s)	R 18.0	R 52.2	R -203.4	4.6	R 530.8
2013	0.0	R 6.3	2.8	3.8	3.7	0.0	16.6	26.9	1.0	(s)	R 18.8	R 53.1	R -184.4	6.3	R 572.7
2014	0.0	R 8.6	2.9	3.9	3.7	0.0	16.7	27.2	1.0	(s)	R 21.2	R 58.0	R -172.8	5.8	R 615.6
2015	0.0	R 7.1	2.8	4.0	2.4	0.0	19.4	28.7	1.0	(s)	R 22.2	R 59.0	R -184.1	6.8	R 584.3
2016	0.0	R 6.5	2.9	3.8	2.8	0.0	22.2	31.7	1.0	(s)	R 27.9	R 67.1	R -183.0	7.0	R 555.9
2017	0.0	R 8.8	2.7	3.8	2.8	0.0	27.3	36.6	1.0	(s)	R 38.8	R 85.1	R -190.7	7.3	R 595.6
2018	0.0	R 10.9	1.9	3.8	2.7	0.0	27.4	35.7	1.0	(s)	R 36.6	R 84.1	R -190.1	3.5	R 624.5
2019	0.0	R 10.8	1.9	3.8	2.1	0.0	27.6	R 35.3	1.0	(s)	R 38.3	R 85.4	R -163.0	1.2	R 641.1
2020	0.0	R 8.4	R 1.7	3.4	2.3	0.0	27.2	R 34.6	1.0	(s)	R 46.5	R 90.5	R -207.3	27.2	R 619.6
2021	0.0	R 6.8	R 1.7	3.6	2.0	0.0	27.4	R 34.7	1.0	(s)	R 51.0	R 93.5	R -164.8	3.9	R 653.8
2022	0.0	6.1	2.0	3.6	2.1	0.0	27.6	35.2	1.0	(s)	55.4	97.8	-176.0	16.6	670.6

[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] Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.
[i] Losses and co-products from the production of biodiesel and fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
[l] Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.
Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by 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/

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal	Natural gas [a]	Petroleum							Hydro-electric power [g,h]	Biomass		Geo-thermal [h]	Solar [h,k]	Electricity [l]	End use [h,m]	Electrical system energy losses [n]	Total [h,m]
			Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total		Wood and waste [h,i]	Losses and co-products [j]						
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatt-hours					Million kilowatt-hours			
1960	1,086	26	3,769	1,212	2,103	7,719	672	3,089	18,563	0	– –	– –	– –	– –	1,153	– –	– –	– –
1970	666	32	4,968	1,719	2,074	8,766	702	2,879	21,109	0	– –	– –	– –	– –	2,815	– –	– –	– –
1980	728	23	8,071	1,302	1,702	9,167	716	2,057	23,015	0	– –	– –	– –	– –	5,177	– –	– –	– –
1990	6,535	32	7,162	1,426	1,178	8,151	326	2,168	20,411	0	– –	– –	– –	– –	7,014	– –	– –	– –
2000	6,853	57	7,709	3,354	413	8,512	78	2,375	22,443	0	– –	– –	– –	– –	9,413	– –	– –	– –
2005	6,727	53	9,728	3,370	646	8,716	256	2,909	25,625	0	– –	– –	– –	– –	10,840	– –	– –	– –
2006	6,775	53	9,887	2,766	735	8,455	105	3,406	25,355	0	– –	– –	– –	– –	11,245	– –	– –	– –
2007	6,702	59	11,838	3,023	710	8,648	94	2,098	26,411	0	– –	– –	– –	– –	11,906	– –	– –	– –
2008	6,482	63	11,804	2,847	613	8,703	92	1,923	25,983	0	– –	– –	– –	– –	12,416	– –	– –	– –
2009	6,590	55	9,587	2,950	687	8,915	61	2,302	24,503	0	– –	– –	– –	– –	12,649	– –	– –	– –
2010	6,748	66	12,900	2,549	769	9,244	40	2,518	28,020	0	– –	– –	– –	– –	12,956	– –	– –	– –
2011	6,536	72	18,112	2,524	835	9,753	59	3,145	34,428	0	– –	– –	– –	– –	13,737	– –	– –	– –
2012	6,628	73	20,777	2,373	720	10,319	22	2,901	37,113	0	– –	– –	– –	– –	14,717	– –	– –	– –
2013	6,221	81	23,114	3,337	876	10,731	2	3,542	41,603	0	– –	– –	– –	– –	16,033	– –	– –	– –
2014	6,527	85	25,500	3,104	789	11,194	2	3,502	44,092	0	– –	– –	– –	– –	18,240	– –	– –	– –
2015	6,691	91	18,569	2,789	1,005	11,177	1	3,141	36,682	0	– –	– –	– –	– –	18,129	– –	– –	– –
2016	6,563	91	14,637	2,666	834	10,564	0	R 2,799	R 31,501	0	– –	– –	– –	– –	18,520	– –	– –	– –
2017	6,593	102	17,616	3,030	763	10,425	0	R 3,068	R 34,902	0	– –	– –	– –	– –	20,140	– –	– –	– –
2018	6,658	116	18,811	2,870	818	10,437	0	R 2,932	R 35,869	0	– –	– –	– –	– –	20,670	– –	– –	– –
2019	5,863	133	18,041	3,915	776	10,485	0	R 2,735	R 35,953	0	– –	– –	– –	– –	21,559	– –	– –	– –
2020	5,960	R 160	15,359	3,111	786	9,310	0	R 2,609	R 31,174	0	– –	– –	– –	– –	21,819	– –	– –	– –
2021	5,888	168	R 15,758	2,929	806	9,789	0	R 2,765	R 32,047	0	– –	– –	– –	– –	22,863	– –	– –	– –
2022	5,914	174	16,146	2,927	812	9,630	0	2,754	32,269	0	– –	– –	– –	– –	25,393	– –	– –	– –
			Trillion Btu															
1960	16.5	27.2	22.0	4.6	11.3	40.5	4.2	18.9	101.5	0.0	0.5	NA	NA	NA	3.9	149.7	R 7.9	R 157.6
1970	9.4	33.4	28.9	6.6	11.2	46.0	4.4	18.0	115.2	0.0	0.4	NA	NA	NA	9.6	167.9	R 19.7	R 187.6
1980	9.6	24.0	47.0	4.8	9.2	48.2	4.5	12.8	126.4	0.0	2.4	NA	NA	NA	17.7	179.9	R 37.6	R 217.5
1990	88.2	33.5	41.7	5.2	6.4	42.8	2.1	13.5	111.7	0.0	1.9	1.0	0.1	(s)	23.9	255.3	R 54.5	R 309.7
2000	97.5	58.5	44.9	12.3	2.3	44.3	0.5	15.0	119.3	0.0	2.5	1.2	0.2	(s)	32.1	306.3	R 70.8	R 377.2
2005	97.0	55.0	56.6	12.5	3.7	45.3	1.6	18.4	138.0	0.0	2.9	1.8	0.5	(s)	37.0	327.0	R 78.7	R 405.7
2006	97.2	55.7	57.4	10.2	4.2	43.8	0.7	21.6	137.9	0.0	2.4	1.8	0.5	(s)	38.4	328.7	R 82.8	R 411.5
2007	96.2	62.2	68.5	11.1	4.0	44.5	0.6	13.0	141.6	0.0	2.0	7.8	0.6	(s)	40.6	346.4	R 86.9	R 433.3
2008	93.5	65.7	68.2	10.6	3.5	44.4	0.6	11.9	139.2	0.0	1.9	8.6	0.7	(s)	42.4	347.4	R 89.7	R 437.1
2009	95.5	57.6	55.4	10.9	3.9	45.4	0.4	14.5	130.4	0.0	2.0	14.4	0.8	(s)	43.2	338.1	R 86.3	R 424.4
2010	97.4	70.0	74.5	9.8	4.4	46.8	0.3	15.8	151.5	0.0	2.1	17.1	0.9	(s)	44.2	377.6	R 81.6	R 459.2
2011	94.3	77.8	104.5	9.7	4.7	49.4	0.4	19.9	188.6	0.0	2.9	17.7	1.0	(s)	46.9	423.5	R 82.5	R 506.0
2012	95.3	77.5	119.8	9.1	4.1	52.2	0.1	18.2	203.6	0.0	2.4	16.6	1.0	(s)	50.2	441.1	R 88.8	R 529.8
2013	89.6	86.8	133.2	12.8	5.0	54.3	(s)	22.5	227.8	0.0	2.8	16.6	1.0	(s)	54.7	474.5	R 96.6	R 571.1
2014	94.6	92.3	147.0	11.9	4.5	56.6	(s)	22.2	242.2	0.0	2.9	16.7	1.0	(s)	62.2	506.7	R 107.4	R 614.2
2015	96.9	99.1	107.0	10.7	5.7	56.5	(s)	19.6	199.6	0.0	2.8	19.4	1.0	(s)	61.9	475.9	R 108.1	R 584.0
2016	95.0	99.0	84.3	10.2	4.7	53.4	0.0	17.7	170.4	0.0	2.9	22.2	1.0	(s)	63.2	R 449.4	R 106.1	R 555.5
2017	95.5	110.7	101.4	11.6	4.3	52.7	0.0	R 19.5	R 189.6	0.0	2.7	27.3	1.0	(s)	68.7	R 490.0	R 105.1	R 595.1
2018	96.1	125.9	108.3	11.0	4.6	52.7	0.0	R 18.6	R 195.4	0.0	1.9	27.4	1.0	(s)	70.5	R 512.6	R 111.6	R 624.2
2019	84.8	147.2	103.9	15.0	4.4	53.0	0.0	R 17.3	R 193.6	0.0	1.9	27.6	1.0	(s)	73.6	R 525.0	R 116.2	R 641.2
2020	86.2	R 171.7	88.4	11.9	4.5	47.0	0.0	R 16.5	R 168.4	0.0	R 1.7	27.2	1.0	(s)	74.4	R 526.0	R 93.2	R 619.2
2021	84.9	R 180.3	R 90.8	11.3	4.6	49.4	0.0	R 17.4	R 173.4	0.0	R 1.7	27.4	1.0	(s)	78.0	R 542.4	R 111.4	R 653.7
2022	85.6	184.1	93.1	11.2	4.6	48.6	0.0	17.3	174.8	0.0	2.0	27.6	1.0	(s)	86.6	557.3	113.2	670.5

[a] Includes supplemental gaseous fuels that are commingled with natural gas.

[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.

[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum."

[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

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

[i] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[j] Losses and co-products from the production of biodiesel and fuel ethanol.

[k] Solar thermal and photovoltaic energy.

[l] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

[m] 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 the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.

[n] 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.

– – = 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: · Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by 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/

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal [a]	Natural gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity [g]	End use [e,h]	Electrical system energy losses [i]	Total [e,h]
			Distillate fuel oil	HGL [c]	Kerosene	Total							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood [d]			Million kilowatthours			
1960	328	4	874	774	860	2,508	– –	– –	– –	728	– –	– –	– –
1965	177	7	1,269	746	40	2,055	– –	– –	– –	911	– –	– –	– –
1970	80	8	1,103	1,261	190	2,555	– –	– –	– –	1,399	– –	– –	– –
1975	46	10	776	1,161	21	1,958	– –	– –	– –	1,901	– –	– –	– –
1980	30	10	1,173	502	5	1,681	– –	– –	– –	2,456	– –	– –	– –
1985	43	10	1,162	166	14	1,342	– –	– –	– –	3,012	– –	– –	– –
1990	27	9	981	642	5	1,628	– –	– –	– –	2,954	– –	– –	– –
1995	14	11	717	762	4	1,482	– –	– –	– –	3,384	– –	– –	– –
2000	15	11	564	1,727	3	2,294	– –	– –	– –	3,390	– –	– –	– –
2005	21	11	460	1,825	7	2,292	– –	– –	– –	3,796	– –	– –	– –
2006	9	10	462	1,386	3	1,851	– –	– –	– –	3,853	– –	– –	– –
2007	26	11	470	1,408	2	1,880	– –	– –	– –	4,067	– –	– –	– –
2008	0	12	670	1,652	1	2,323	– –	– –	– –	4,259	– –	– –	– –
2009	0	12	319	1,583	3	1,905	– –	– –	– –	4,449	– –	– –	– –
2010	0	11	255	1,508	3	1,767	– –	– –	– –	4,393	– –	– –	– –
2011	0	11	193	1,655	2	1,850	– –	– –	– –	4,552	– –	– –	– –
2012	0	10	140	1,336	1	1,476	– –	– –	– –	4,485	– –	– –	– –
2013	0	12	171	1,494	1	1,666	– –	– –	– –	5,039	– –	– –	– –
2014	0	13	155	1,676	1	1,832	– –	– –	– –	5,358	– –	– –	– –
2015	0	11	129	1,422	1	1,552	– –	– –	– –	4,863	– –	– –	– –
2016	0	10	132	1,352	3	1,487	– –	– –	– –	4,741	– –	– –	– –
2017	0	11	137	1,352	1	1,489	– –	– –	– –	4,848	– –	– –	– –
2018	0	13	129	1,656	1	1,786	– –	– –	– –	5,133	– –	– –	– –
2019	0	13	142	2,139	1	2,283	– –	– –	– –	5,125	– –	– –	– –
2020	0	12	150	1,196	2	1,347	– –	– –	– –	5,047	– –	– –	– –
2021	0	11	146	1,619	1	1,766	– –	– –	– –	4,888	– –	– –	– –
2022	0	14	164	1,633	1	1,798	– –	– –	– –	5,272	– –	– –	– –
							Trillion Btu						
1960	5.1	4.0	5.1	3.0	4.9	12.9	0.5	NA	NA	2.5	24.9	R 5.0	R 30.0
1965	2.7	6.6	7.4	2.9	0.2	10.5	0.3	NA	NA	3.1	23.2	R 6.1	R 29.4
1970	1.2	8.4	6.4	4.8	1.1	12.3	0.4	NA	NA	4.8	27.1	R 9.8	R 36.9
1975	0.6	10.2	4.5	4.5	0.1	9.1	0.4	NA	NA	6.5	26.9	R 13.2	R 40.1
1980	0.4	10.1	6.8	1.9	(s)	8.8	2.4	NA	NA	8.4	30.0	R 17.8	R 47.8
1985	0.6	11.0	6.8	0.6	0.1	7.5	3.1	NA	NA	10.3	30.4	R 20.9	R 51.3
1990	0.4	9.5	5.7	2.5	(s)	8.2	1.7	0.1	(s)	10.1	27.8	R 22.9	R 50.7
1995	0.2	11.8	4.2	2.9	(s)	7.1	1.5	0.1	(s)	11.5	29.9	R 25.0	R 54.9
2000	0.2	11.3	3.3	6.6	(s)	9.9	1.2	0.1	(s)	11.6	32.8	R 25.5	R 58.3
2005	0.4	11.1	2.7	7.0	(s)	9.7	0.4	0.2	(s)	13.0	33.0	R 27.6	R 60.5
2006	0.2	10.1	2.7	5.3	(s)	8.0	0.3	0.3	(s)	13.1	30.3	R 28.4	R 58.7
2007	0.4	11.2	2.7	5.4	(s)	8.1	0.4	0.3	(s)	13.9	32.8	R 29.7	R 62.5
2008	0.0	12.0	3.9	6.3	(s)	10.2	0.4	0.4	(s)	14.5	36.1	R 30.8	R 66.9
2009	0.0	12.2	1.8	6.1	(s)	7.9	0.5	0.5	(s)	15.2	34.5	R 30.4	R 64.8
2010	0.0	11.1	1.5	5.8	(s)	7.3	0.5	0.5	(s)	15.0	33.0	R 27.7	R 60.7
2011	0.0	11.7	1.1	6.4	(s)	7.5	0.5	0.5	(s)	15.5	34.5	R 27.3	R 61.9
2012	0.0	10.2	0.8	5.1	(s)	5.9	0.4	0.5	(s)	15.3	31.2	R 27.1	R 58.3
2013	0.0	12.9	1.0	5.7	(s)	6.7	0.5	0.5	(s)	17.2	36.8	R 30.4	R 67.2
2014	0.0	13.6	0.9	6.4	(s)	7.3	0.5	0.5	(s)	18.3	39.1	R 31.6	R 70.6
2015	0.0	11.5	0.7	5.5	(s)	6.2	0.5	0.5	(s)	16.6	34.4	R 29.0	R 63.4
2016	0.0	10.9	0.8	5.2	(s)	6.0	0.6	0.5	(s)	16.2	33.4	R 27.2	R 60.6
2017	0.0	11.9	0.8	5.2	(s)	6.0	0.6	0.5	(s)	16.5	34.5	R 25.3	R 59.8
2018	0.0	13.7	0.7	6.4	(s)	7.1	0.6	0.5	(s)	17.5	38.3	R 27.7	R 66.0
2019	0.0	14.5	0.8	8.2	(s)	9.0	0.6	0.5	(s)	17.5	41.2	R 27.6	R 68.8
2020	0.0	12.8	0.9	4.6	(s)	5.5	R 0.4	0.5	(s)	17.2	R 35.6	R 21.6	R 57.2
2021	0.0	11.9	0.8	6.2	(s)	7.1	R 0.4	0.5	(s)	16.7	R 35.8	R 23.8	R 59.7
2022	0.0	14.8	0.9	6.3	(s)	7.2	0.7	0.5	(s)	18.0	40.4	23.5	63.9

[a] Beginning in 2008, data are no longer collected and are assumed to be zero.
[b] Includes supplemental gaseous fuels that are commingled with natural gas.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
[g] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[h] 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.
[i] 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.

– – = 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 continuity of these data series estimates may be affected by 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/

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass	Geothermal [f]	Solar [f,h]	Electricity [i]	End use [f,j]	Electrical system energy losses [k]	Total [f,j]
			Distillate fuel oil	HGL [b]	Kerosene	Motor gasoline [c]	Residual fuel oil	Total [d]		Wood and waste [f,g]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours			Million kilowatthours				
1960	228	3	198	152	0	32	73	455	NA	– –	– –	NA	304	– –	– –	– –
1965	133	5	288	146	0	179	209	822	NA	– –	– –	NA	443	– –	– –	– –
1970	63	8	250	247	0	151	104	752	NA	– –	– –	NA	696	– –	– –	– –
1975	107	12	176	228	0	95	493	992	NA	– –	– –	NA	805	– –	– –	– –
1980	113	11	642	99	0	73	400	1,214	NA	– –	– –	NA	1,145	– –	– –	– –
1985	154	10	502	33	(s)	69	64	668	NA	– –	– –	NA	2,026	– –	– –	– –
1990	108	10	175	126	(s)	70	22	394	0	– –	– –	0	2,300	– –	– –	– –
1995	96	12	148	149	1	10	19	328	0	– –	– –	0	2,728	– –	– –	– –
2000	119	11	232	339	1	10	12	594	0	– –	– –	0	2,992	– –	– –	– –
2005	239	10	141	343	3	10	46	543	0	– –	– –	0	3,994	– –	– –	– –
2006	94	9	149	329	3	20	10	513	0	– –	– –	0	4,127	– –	– –	– –
2007	236	10	160	365	1	17	26	570	0	– –	– –	0	4,215	– –	– –	– –
2008	104	11	229	488	1	17	12	746	0	– –	– –	0	4,460	– –	– –	– –
2009	97	11	198	418	1	19	1	637	0	– –	– –	0	4,558	– –	– –	– –
2010	90	10	421	276	2	20	2	721	0	– –	– –	0	4,714	– –	– –	– –
2011	89	11	1,058	403	1	13	20	1,494	0	– –	– –	(s)	4,866	– –	– –	– –
2012	73	10	899	463	(s)	20	15	1,398	0	– –	– –	(s)	5,109	– –	– –	– –
2013	88	13	1,125	834	1	21	2	1,983	0	– –	– –	(s)	5,685	– –	– –	– –
2014	74	14	1,208	525	1	19	2	1,754	0	– –	– –	(s)	5,403	– –	– –	– –
2015	72	12	306	597	1	97	1	1,001	0	– –	– –	(s)	6,279	– –	– –	– –
2016	58	12	218	621	1	99	0	938	0	– –	– –	(s)	6,346	– –	– –	– –
2017	54	13	326	627	(s)	101	0	1,055	0	– –	– –	(s)	6,530	– –	– –	– –
2018	58	14	315	352	(s)	102	0	770	0	– –	– –	(s)	6,836	– –	– –	– –
2019	53	15	232	565	(s)	103	0	900	0	– –	– –	(s)	7,035	– –	– –	– –
2020	30	15	243	1,144	(s)	103	0	1,490	0	– –	– –	(s)	6,642	– –	– –	– –
2021	16	14	567	607	(s)	104	0	R 1,278	0	– –	– –	1	6,808	– –	– –	– –
2022	24	17	630	438	(s)	107	0	1,176	0	– –	– –	1	8,392	– –	– –	– –
			Trillion Btu													
1960	3.5	2.9	1.2	0.6	0.0	0.2	0.5	2.4	NA	(s)	NA	NA	1.0	9.9	R 2.1	R 12.0
1965	2.1	5.0	1.7	0.6	0.0	0.9	1.3	4.5	NA	(s)	NA	NA	1.5	13.0	R 3.0	R 16.0
1970	0.9	8.6	1.5	1.0	0.0	0.8	0.7	3.9	NA	(s)	NA	NA	2.4	15.7	R 4.9	R 20.6
1975	1.5	12.4	1.0	0.9	0.0	0.5	3.1	5.5	NA	(s)	NA	NA	2.7	22.2	R 5.6	R 27.8
1980	1.5	11.6	3.7	0.4	0.0	0.4	2.5	7.0	NA	0.1	NA	NA	3.9	24.0	R 8.3	R 32.3
1985	2.0	10.7	2.9	0.1	(s)	0.4	0.4	3.8	NA	0.1	NA	NA	6.9	21.7	R 14.0	R 35.7
1990	1.5	10.6	1.0	0.5	(s)	0.4	0.1	2.0	0.0	0.2	(s)	0.0	7.8	19.8	R 17.9	R 37.6
1995	1.5	12.2	0.9	0.6	(s)	0.1	0.1	1.6	0.0	0.2	0.1	0.0	9.3	22.5	R 20.1	R 42.6
2000	1.7	11.4	1.3	1.3	(s)	0.1	0.1	2.8	0.0	0.2	0.1	0.0	10.2	24.9	R 22.5	R 47.4
2005	4.3	10.3	0.8	1.3	(s)	0.1	0.3	2.5	0.0	0.1	0.2	0.0	13.6	29.4	R 29.0	R 58.4
2006	1.7	9.8	0.9	1.3	(s)	0.1	0.1	2.3	0.0	0.1	0.3	0.0	14.1	26.6	R 30.4	R 56.9
2007	3.8	10.8	0.9	1.4	(s)	0.1	0.2	2.6	0.0	0.1	0.3	0.0	14.4	30.4	R 30.8	R 61.2
2008	1.8	11.6	1.3	1.9	(s)	0.1	0.1	3.4	0.0	0.1	0.3	0.0	15.2	31.0	R 32.2	R 63.2
2009	1.7	11.6	1.1	1.6	(s)	0.1	(s)	2.9	0.0	0.1	0.3	0.0	15.6	30.5	R 31.1	R 61.6
2010	1.6	10.9	2.4	1.1	(s)	0.1	(s)	3.6	0.0	0.1	0.4	0.0	16.1	31.3	R 29.7	R 61.0
2011	1.5	11.8	6.1	1.5	(s)	0.1	0.1	7.8	0.0	0.1	0.5	(s)	16.6	37.1	R 29.2	R 66.3
2012	1.3	11.0	5.2	1.8	(s)	0.1	0.1	7.2	0.0	0.1	0.4	(s)	17.4	36.2	R 30.8	R 67.0
2013	1.5	14.1	6.5	3.2	(s)	0.1	(s)	9.8	0.0	0.1	0.4	(s)	19.4	44.2	R 34.3	R 78.4
2014	1.3	15.2	7.0	2.0	(s)	0.1	(s)	9.1	0.0	0.1	0.4	(s)	18.4	43.2	R 31.8	R 75.0
2015	1.2	13.4	1.8	2.3	(s)	0.5	(s)	4.6	0.0	0.1	0.4	(s)	21.4	40.1	R 37.4	R 77.5
2016	1.0	12.8	1.3	2.4	(s)	0.5	0.0	4.1	0.0	0.1	0.4	(s)	21.7	39.2	R 36.4	R 75.6
2017	0.9	14.0	1.9	2.4	(s)	0.5	0.0	4.8	0.0	0.1	0.4	(s)	22.3	41.3	R 34.1	R 75.4
2018	1.0	15.6	1.8	1.4	(s)	0.5	0.0	3.7	0.0	0.1	0.4	(s)	23.3	42.9	R 36.9	R 79.8
2019	0.9	17.0	1.3	2.2	(s)	0.5	0.0	4.0	0.0	0.1	0.4	(s)	24.0	45.5	R 37.9	R 83.4
2020	0.5	15.6	1.4	4.4	(s)	0.5	0.0	6.3	0.0	0.1	0.4	(s)	22.7	R 44.6	R 28.4	R 73.0
2021	0.3	14.8	3.3	2.3	(s)	0.5	0.0	6.1	0.0	0.1	0.4	(s)	23.2	44.1	R 33.2	R 77.2
2022	0.4	18.1	3.6	1.7	(s)	0.5	0.0	5.9	0.0	0.1	0.4	(s)	28.6	52.5	37.4	90.0

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[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 small amounts of petroleum coke not shown separately.
[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] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[i] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[j] 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 commercial utility-scale facilities.
[k] 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.

– – = 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 commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · The continuity of these data series estimates may be affected by 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/

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]	End use [f,k]	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					
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	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	R 10,026	0	– –	– –	– –	0	10,131	– –	– –	– –
2021	5,872	108	7,292	696	340	0	R 2,401	R 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	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/

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal	Natural gas [a]	Petroleum								Electricity [f]	End use [g,h]	Electrical system energy losses [i]	Total [g,h]
			Aviation gasoline	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Lubricants	Motor gasoline [e]	Residual fuel oil	Total				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	9	(s)	66	592	29	2,103	158	4,760	69	7,778	0	– –	– –	– –
1965	1	(s)	165	916	22	2,069	147	5,499	25	8,843	0	– –	– –	– –
1970	1	(s)	95	1,441	3	2,074	138	6,300	41	10,092	0	– –	– –	– –
1975	(s)	(s)	85	1,880	2	1,855	137	7,756	0	11,715	0	– –	– –	– –
1980	0	(s)	64	3,795	12	1,702	151	7,553	0	13,278	0	– –	– –	– –
1985	0	1	4	3,009	11	1,682	138	7,673	0	12,517	0	– –	– –	– –
1990	0	2	28	2,990	14	1,178	155	7,282	0	11,647	0	– –	– –	– –
1995	0	5	65	4,014	13	333	148	7,955	0	12,528	0	– –	– –	– –
2000	0	11	34	4,158	5	413	158	8,060	0	12,829	0	– –	– –	– –
2005	0	13	66	5,380	23	646	133	8,080	0	14,327	0	– –	– –	– –
2006	0	13	43	5,489	19	735	130	7,759	0	14,176	0	– –	– –	– –
2007	0	13	37	7,338	19	710	134	8,054	0	16,291	0	– –	– –	– –
2008	0	11	38	5,887	33	613	125	8,241	0	14,938	0	– –	– –	– –
2009	0	9	34	5,128	54	687	112	8,439	0	14,455	0	– –	– –	– –
2010	0	14	43	6,133	2	769	108	8,928	0	15,982	0	– –	– –	– –
2011	0	14	48	8,201	2	835	128	9,427	0	18,641	0	– –	– –	– –
2012	0	16	25	10,130	1	720	139	10,019	0	21,035	0	– –	– –	– –
2013	0	15	21	10,700	3	876	150	10,412	0	22,162	0	– –	– –	– –
2014	0	15	42	11,774	3	789	163	10,916	0	23,688	0	– –	– –	– –
2015	0	14	40	10,260	4	1,005	158	10,678	0	22,145	0	– –	– –	– –
2016	0	14	39	8,631	4	834	129	10,097	0	R 19,735	0	– –	– –	– –
2017	0	19	41	9,516	2	763	125	9,954	0	R 20,401	0	– –	– –	– –
2018	0	21	47	10,376	5	818	R 124	9,971	0	R 21,341	0	– –	– –	– –
2019	0	29	48	9,991	9	776	R 117	10,028	0	R 20,970	0	– –	– –	– –
2020	0	27	44	8,521	10	786	R 99	8,851	0	R 18,312	0	– –	– –	– –
2021	0	35	47	R 7,754	7	806	R 96	9,345	0	R 18,273	0	– –	– –	– –
2022	0	35	49	7,982	6	812	103	9,167	0	18,348	0	– –	– –	– –
			Trillion Btu											
1960	0.1	(s)	0.3	3.5	0.1	11.3	1.0	25.0	0.4	41.6	0.0	41.7	0.0	41.7
1965	(s)	(s)	0.8	5.3	0.1	11.1	0.9	28.9	0.2	47.3	0.0	47.3	0.0	47.3
1970	(s)	(s)	0.5	8.4	(s)	11.2	0.8	33.1	0.3	54.2	0.0	54.3	0.0	54.3
1975	(s)	0.1	0.4	11.0	(s)	10.0	0.8	40.7	0.0	63.0	0.0	63.1	0.0	63.1
1980	0.0	0.2	0.3	22.1	(s)	9.2	0.9	39.7	0.0	72.3	0.0	72.5	0.0	72.5
1985	0.0	0.7	(s)	17.5	(s)	9.1	0.8	40.3	0.0	67.8	0.0	68.8	0.0	68.8
1990	0.0	1.8	0.1	17.4	0.1	6.4	0.9	38.3	0.0	63.2	0.0	65.3	0.0	65.3
1995	0.0	5.0	0.3	23.4	0.1	1.9	0.9	41.4	0.0	67.9	0.0	72.9	0.0	72.9
2000	0.0	11.0	0.2	24.2	(s)	2.3	1.0	41.9	0.0	69.6	0.0	80.6	0.0	80.6
2005	0.0	13.8	0.3	31.3	0.1	3.7	0.8	41.9	0.0	78.1	0.0	92.1	0.0	92.1
2006	0.0	13.6	0.2	31.9	0.1	4.2	0.8	40.2	0.0	77.3	0.0	91.5	0.0	91.5
2007	0.0	13.9	0.2	42.4	0.1	4.0	0.8	41.4	0.0	89.0	0.0	103.6	0.0	103.6
2008	0.0	12.0	0.2	34.0	0.1	3.5	0.8	42.1	0.0	80.7	0.0	93.3	0.0	93.3
2009	0.0	9.4	0.2	29.6	0.2	3.9	0.7	43.0	0.0	77.5	0.0	86.9	0.0	86.9
2010	0.0	14.5	0.2	35.4	(s)	4.4	0.7	45.2	0.0	85.9	0.0	100.4	0.0	100.4
2011	0.0	14.6	0.2	47.3	(s)	4.7	0.8	47.7	0.0	100.8	0.0	115.4	0.0	115.4
2012	0.0	16.6	0.1	58.4	(s)	4.1	0.8	50.7	0.0	114.2	0.0	130.8	0.0	130.8
2013	0.0	16.0	0.1	61.7	(s)	5.0	0.9	52.7	0.0	120.3	0.0	136.3	0.0	136.3
2014	0.0	16.8	0.2	67.9	(s)	4.5	1.0	55.2	0.0	128.8	0.0	145.5	0.0	145.5
2015	0.0	15.5	0.2	59.1	(s)	5.7	1.0	54.0	0.0	120.0	0.0	135.5	0.0	135.5
2016	0.0	15.7	0.2	49.7	(s)	4.7	0.8	51.0	0.0	106.5	0.0	122.1	0.0	122.1
2017	0.0	20.2	0.2	54.8	(s)	4.3	0.8	50.3	0.0	110.4	0.0	130.6	0.0	130.6
2018	0.0	22.3	0.2	59.8	(s)	4.6	R 0.8	50.4	0.0	115.8	0.0	R 138.1	0.0	R 138.1
2019	0.0	32.2	0.2	57.5	(s)	4.4	0.7	50.7	0.0	113.6	0.0	145.8	0.0	145.8
2020	0.0	29.4	0.2	49.0	(s)	4.5	0.6	44.7	0.0	99.1	0.0	128.5	0.0	128.5
2021	0.0	38.0	0.2	R 44.7	(s)	4.6	0.6	47.2	0.0	R 98.5	0.0	R 136.4	0.0	R 136.4
2022	0.0	36.9	0.2	46.0	(s)	4.6	0.6	46.3	0.0	99.0	0.0	136.0	0.0	136.0

[a] Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.
[g] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[h] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[i] 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.
– – = Not applicable.
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 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/

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, North Dakota

Year	Coal	Natural gas [a]	Petroleum				Nuclear electric power	Hydroelectric power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity net imports [h]	Total [f,i]
			Distillate fuel oil [b]	Petroleum coke	Residual fuel oil [c]	Total			Wood and waste [e,f]					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	1,014	(s)	4	0	15	20	0	1,060	– –	0	NA	NA	0	– –
1965	964	(s)	1	0	2	3	0	2,497	– –	0	NA	NA	-1	– –
1970	3,519	(s)	7	0	25	32	0	2,815	– –	0	NA	NA	293	– –
1975	4,377	(s)	2	0	18	20	0	3,345	– –	0	NA	NA	1,166	– –
1980	11,618	(s)	68	0	0	68	0	2,513	– –	0	NA	NA	2,850	– –
1985	17,354	(s)	74	0	0	74	0	2,173	– –	0	0	(s)	2,645	– –
1990	21,579	(s)	57	0	0	57	0	1,711	– –	0	0	0	20	– –
1995	22,680	(s)	99	0	0	99	0	2,457	– –	0	0	0	731	– –
2000	25,048	0	95	0	0	95	0	2,123	– –	0	0	0	647	– –
2005	25,317	(s)	70	0	0	70	0	1,342	– –	0	0	220	1,702	– –
2006	24,298	(s)	78	0	0	78	0	1,521	– –	0	0	369	756	– –
2007	24,639	(s)	96	0	0	96	0	1,305	– –	0	0	621	1,332	– –
2008	24,893	(s)	81	0	0	81	0	1,253	– –	0	0	1,693	808	– –
2009	24,593	(s)	80	0	0	80	0	1,475	– –	0	0	2,998	740	– –
2010	23,113	(s)	69	0	0	69	0	2,042	– –	0	0	4,096	1,120	– –
2011	22,056	(s)	81	0	0	81	0	2,580	– –	0	0	5,236	1,292	– –
2012	22,795	(s)	64	0	0	64	0	2,477	– –	0	0	5,275	1,341	– –
2013	22,289	(s)	64	0	0	64	0	1,852	– –	0	0	5,519	1,833	– –
2014	22,289	2	52	0	0	52	0	2,531	– –	0	0	6,202	1,711	– –
2015	22,786	7	49	0	0	49	0	2,094	– –	0	0	6,506	1,982	– –
2016	21,807	11	59	0	0	59	0	1,912	– –	0	0	8,172	2,066	– –
2017	22,210	7	69	0	0	69	0	2,582	– –	0	0	11,359	2,135	– –
2018	23,102	10	74	0	0	74	0	3,180	– –	0	0	10,730	1,014	– –
2019	21,329	15	68	0	0	68	0	3,179	– –	0	0	11,213	360	– –
2020	20,480	16	62	0	0	62	0	2,450	– –	0	0	13,633	7,976	– –
2021	20,470	16	68	0	0	68	0	1,989	– –	0	0	14,935	1,131	– –
2022	21,065	14	61	0	0	61	0	1,791	– –	0	0	16,250	4,880	– –
							Trillion Btu							
1960	14.0	0.1	(s)	0.0	0.1	0.1	0.0	R 3.6	0.0	0.0	NA	NA	0.0	R 17.9
1965	13.4	(s)	(s)	0.0	(s)	(s)	0.0	R 8.5	0.0	0.0	NA	NA	(s)	R 22.0
1970	48.1	0.4	(s)	0.0	0.2	0.2	0.0	R 9.6	0.0	0.0	NA	NA	1.0	R 59.3
1975	58.4	0.2	(s)	0.0	0.1	0.1	0.0	R 11.4	0.0	0.0	NA	NA	4.0	R 74.1
1980	153.8	(s)	0.4	0.0	0.0	0.4	0.0	R 8.6	0.0	0.0	NA	NA	9.7	R 172.5
1985	228.2	(s)	0.4	0.0	0.0	0.4	0.0	R 7.4	0.0	0.0	0.0	(s)	9.0	R 245.1
1990	286.3	(s)	0.3	0.0	0.0	0.3	0.0	R 5.8	0.0	0.0	0.0	0.0	0.1	R 292.6
1995	298.6	(s)	0.6	0.0	0.0	0.6	0.0	R 8.4	0.0	0.0	0.0	0.0	2.5	R 310.1
2000	327.1	0.0	0.6	0.0	0.0	0.6	0.0	R 7.2	0.0	0.0	0.0	0.0	2.2	R 337.1
2005	334.1	(s)	0.4	0.0	0.0	0.4	0.0	R 4.6	0.0	0.0	0.0	R 0.8	5.8	R 345.6
2006	317.6	(s)	0.5	0.0	0.0	0.5	0.0	R 5.2	0.0	0.0	0.0	R 1.3	2.6	R 327.1
2007	324.5	(s)	0.6	0.0	0.0	0.6	0.0	R 4.5	0.0	0.0	0.0	R 2.1	4.5	R 336.2
2008	331.1	(s)	0.5	0.0	0.0	0.5	0.0	R 4.3	0.0	0.0	0.0	R 5.8	2.8	R 344.4
2009	327.7	(s)	0.5	0.0	0.0	0.5	0.0	R 5.0	0.0	0.0	0.0	R 10.2	2.5	R 346.0
2010	312.3	(s)	0.4	0.0	0.0	0.4	0.0	R 7.0	0.0	0.0	0.0	R 14.0	3.8	R 337.5
2011	300.5	(s)	0.5	0.0	0.0	0.5	0.0	R 8.8	0.0	0.0	0.0	R 17.9	4.4	R 332.0
2012	311.0	(s)	0.4	0.0	0.0	0.4	0.0	R 8.5	0.0	0.0	0.0	R 18.0	4.6	R 342.4
2013	303.6	0.4	0.4	0.0	0.0	0.4	0.0	R 6.3	0.0	0.0	0.0	R 18.8	6.3	R 335.7
2014	304.6	2.1	0.3	0.0	0.0	0.3	0.0	R 8.6	0.0	0.0	0.0	R 21.2	5.8	R 342.4
2015	311.2	7.0	0.3	0.0	0.0	0.3	0.0	R 7.1	0.0	0.0	0.0	R 22.2	6.8	R 354.1
2016	299.5	11.8	0.3	0.0	0.0	0.3	0.0	R 6.5	0.0	0.0	0.0	R 27.9	7.0	R 352.3
2017	302.4	7.5	0.4	0.0	0.0	0.4	0.0	R 8.8	0.0	0.0	0.0	R 38.8	7.3	R 364.5
2018	311.2	10.5	0.4	0.0	0.0	0.4	0.0	R 10.9	0.0	0.0	0.0	R 36.6	3.5	R 372.2
2019	287.2	15.8	0.4	0.0	0.0	0.4	0.0	R 10.8	0.0	0.0	0.0	R 38.3	1.2	R 352.7
2020	277.1	16.5	0.4	0.0	0.0	0.4	0.0	R 8.4	0.0	0.0	0.0	R 46.5	27.2	R 374.9
2021	276.9	16.4	0.4	0.0	0.0	0.4	0.0	R 6.8	0.0	0.0	0.0	R 51.0	3.9	R 354.2
2022	283.8	14.4	0.4	0.0	0.0	0.4	0.0	6.1	0.0	0.0	0.0	55.4	16.6	375.9

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[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 renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] 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 the total.

– – = Not applicable. NA = Not available.

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

Notes: · Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · 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/