

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

Year	Coal	Natural gas <sup>a</sup>	Petroleum							Hydro-electric power <sup>g,h</sup>	Biomass		Geo-thermal <sup>h</sup>	Solar <sup>h,k</sup>	Electricity <sup>l</sup>	End use <sup>h,m</sup>	Electrical system energy losses <sup>n</sup>	Total <sup>h,m</sup>
			Distillate fuel oil <sup>b</sup>	HGL <sup>c</sup>	Jet fuel <sup>d</sup>	Motor gasoline <sup>e</sup>	Residual fuel oil	Other <sup>f</sup>	Total		Wood and waste <sup>h,i</sup>	Losses and co-products <sup>j</sup>						
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 64.5	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

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> 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.  
<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>d</sup> 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."  
<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.  
<sup>h</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.  
<sup>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.  
<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>m</sup> 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.  
<sup>n</sup> 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/>