Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2024, North Dakota

Year	Coal	Natural gas [a]	Petroleum								Electricity [g]	End use [h,i]	Electrical system energy losses [j]	Total [f,h,i]
			Aviation gasoline	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Lubricants	Motor gasoline [e]	Residual fuel oil	Total [f]				
	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	R 824	108	8,928	0	R 16,037	0	– –	– –	– –
2011	0	14	48	8,201	2	R 891	128	9,427	0	R 18,697	0	– –	– –	– –
2012	0	16	25	10,130	1	R 783	139	10,019	0	R 21,098	0	– –	– –	– –
2013	0	15	21	10,700	3	R 951	150	10,412	0	R 22,237	0	– –	– –	– –
2014	0	15	42	11,774	3	R 882	163	10,916	0	R 23,781	0	– –	– –	– –
2015	0	14	40	10,260	4	R 1,106	158	10,678	0	R 22,246	0	– –	– –	– –
2016	0	14	39	8,631	4	R 930	129	10,097	0	R 19,831	0	– –	– –	– –
2017	0	19	41	9,516	2	R 820	125	9,954	0	R 20,458	0	– –	– –	– –
2018	0	21	47	10,376	5	R 858	124	9,971	0	R 21,381	0	– –	– –	– –
2019	0	29	48	9,991	9	R 822	117	10,028	0	R 21,015	0	– –	– –	– –
2020	0	27	44	8,521	10	R 804	99	8,851	0	R 18,330	0	– –	– –	– –
2021	0	35	47	7,754	7	R 831	96	9,345	0	R 18,198	0	– –	– –	– –
2022	0	35	49	8,033	6	R 835	104	9,167	0	R 18,308	0	– –	– –	– –
2023	0	36	47	R 8,032	3	R 884	R 77	9,496	0	R 18,709	0	– –	– –	– –
2024	0	40	50	7,778	10	825	74	9,472	0	18,386	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	92.0	0.0	92.0
2006	0.0	13.6	0.2	31.9	0.1	4.2	0.8	40.2	0.0	77.3	0.0	91.2	0.0	91.2
2007	0.0	13.9	0.2	42.4	0.1	4.0	0.8	41.4	0.0	89.0	0.0	103.2	0.0	103.2
2008	0.0	12.0	0.2	34.0	0.1	3.5	0.8	42.1	0.0	80.7	0.0	92.9	0.0	92.9
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)	R 4.7	0.7	45.2	0.0	R 86.2	0.0	R 100.7	0.0	R 100.7
2011	0.0	14.6	0.2	47.3	(s)	R 5.1	0.8	47.7	0.0	R 101.1	0.0	R 115.7	0.0	R 115.7
2012	0.0	16.6	0.1	58.4	(s)	R 4.4	0.8	50.7	0.0	R 114.5	0.0	R 131.2	0.0	R 131.2
2013	0.0	16.0	0.1	61.6	(s)	R 5.4	0.9	52.7	0.0	R 120.7	0.0	R 136.7	0.0	R 136.7
2014	0.0	16.8	0.2	67.8	(s)	R 5.0	1.0	55.2	0.0	R 129.3	0.0	R 146.0	0.0	R 146.0
2015	0.0	15.5	0.2	59.1	(s)	R 6.3	1.0	54.0	0.0	R 120.5	0.0	R 136.1	0.0	R 136.1
2016	0.0	15.7	0.2	49.7	(s)	R 5.3	0.8	51.0	0.0	R 107.0	0.0	R 122.6	0.0	R 122.6
2017	0.0	20.2	0.2	54.8	(s)	R 4.7	0.8	50.3	0.0	R 110.7	0.0	R 130.9	0.0	R 130.9
2018	0.0	22.3	0.2	59.7	(s)	R 4.9	0.8	50.4	0.0	R 116.0	0.0	R 138.3	0.0	R 138.3
2019	0.0	32.2	0.2	57.5	(s)	R 4.7	0.7	50.7	0.0	R 113.8	0.0	R 146.0	0.0	R 146.0
2020	0.0	29.4	0.2	49.0	(s)	R 4.6	0.6	44.7	0.0	R 99.2	0.0	R 128.6	0.0	R 128.6
2021	0.0	38.0	0.2	44.7	(s)	R 4.7	0.6	47.2	0.0	R 98.1	0.0	R 136.0	0.0	R 136.0
2022	0.0	36.9	0.2	46.3	(s)	R 4.7	0.6	46.3	0.0	R 98.8	0.0	R 135.8	0.0	R 135.8
2023	0.0	38.3	0.2	R 46.3	(s)	R 5.0	0.5	47.9	0.0	R 100.9	0.0	R 139.2	0.0	R 139.2
2024	0.0	42.7	0.3	44.8	(s)	4.7	0.4	47.8	0.0	99.0	0.0	141.7	0.0	141.7

[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] Beginning in 2021, includes other petroleum products (biofuels product supplied) not shown separately.
[g] 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.
[h] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[i] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[j] 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. https://www.eia.gov/state/seds/