

MINNESOTA Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2023, Minnesota

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{f,g} Million kilowatt-hours	Biomass Wood and waste ^{g,h}	Geothermal ^g	Solar ^{g,i}	Electricity ^j	End use ^{g,k}	Electrical system energy losses ^l	Total ^{e,g,k}
			Distillate fuel oil ^b	HGL ^c	Kerosene	Motor gasoline ^d	Residual fuel oil	Total ^e				Solar ^{g,i}	Electricity ^j			
1960	387	20	1,323	464	378	142	634	2,942	NA	--	--	NA	1,540	--	--	--
1965	265	27	1,542	604	337	158	414	3,055	NA	--	--	NA	2,026	--	--	--
1970	252	77	1,759	955	259	235	393	3,601	NA	--	--	NA	3,178	--	--	--
1975	163	90	1,770	902	121	355	223	3,372	NA	--	--	NA	4,845	--	--	--
1980	113	64	1,443	438	0	340	32	2,252	NA	--	--	NA	5,724	--	--	--
1985	171	77	2,845	359	24	335	223	3,786	NA	--	--	NA	7,469	--	--	--
1990	143	78	1,091	438	5	1,568	259	3,362	0	--	--	(s)	8,813	--	--	--
1995	229	91	862	664	23	50	111	1,711	0	--	--	(s)	10,407	--	--	--
2000	5	95	889	812	54	50	137	1,942	0	--	--	(s)	12,311	--	--	--
2005	67	96	1,002	709	14	53	306	2,083	0	--	--	(s)	21,985	--	--	--
2006	83	87	666	680	12	1,378	235	2,971	0	--	--	(s)	22,175	--	--	--
2007	57	91	727	581	10	941	88	2,347	0	--	--	(s)	22,523	--	--	--
2008	60	100	932	959	7	861	186	2,945	0	--	--	1	22,604	--	--	--
2009	54	96	1,045	789	3	652	190	2,680	0	--	--	1	22,311	--	--	--
2010	42	90	808	671	6	686	182	2,353	0	--	--	2	22,515	--	--	--
2011	36	94	1,048	777	3	631	132	2,590	0	--	--	3	22,371	--	--	--
2012	3	83	968	678	1	682	15	2,343	0	--	--	6	22,496	--	--	--
2013	6	106	1,218	946	3	618	4	2,788	0	--	--	6	23,041	--	--	--
2014	10	111	1,241	1,075	2	635	8	2,960	0	--	--	10	22,828	--	--	--
2015	8	93	1,054	988	1	1,523	1	3,567	0	--	--	14	23,388	--	--	--
2016	10	93	971	1,129	4	1,569	4	3,676	0	--	--	17	23,502	--	--	--
2017	8	100	1,081	1,326	1	998	5	3,411	0	--	--	24	23,274	--	--	--
2018	6	110	852	1,622	2	1,014	4	3,494	0	--	--	28	23,399	--	--	--
2019	5	113	775	1,440	2	1,024	2	3,242	0	--	--	35	22,904	--	--	--
2020	4	102	617	1,519	2	1,030	0	3,167	0	--	--	44	21,527	--	--	--
2021	6	102	930	1,488	2	1,039	4	3,463	0	--	--	52	22,093	--	--	--
2022	4	R 120	1,024	1,679	2	1,744	4	4,452	0	--	--	71	22,549	--	--	--
2023	2	107	953	1,318	3	1,049	3	3,326	0	--	--	88	22,614	--	--	--

Trillion Btu																
1960	8.5	21.0	7.7	1.8	2.1	0.7	4.0	16.4	NA	0.3	NA	NA	5.3	51.5	10.6	62.1
1965	5.8	26.8	9.0	2.3	1.9	0.8	2.6	16.6	NA	0.3	NA	NA	6.9	56.4	13.6	70.0
1970	5.3	76.7	10.2	3.7	1.5	1.2	2.5	19.1	NA	0.2	NA	NA	10.8	112.2	22.2	134.4
1975	3.1	89.9	10.3	3.5	0.7	1.9	1.4	17.7	NA	0.2	NA	NA	16.5	127.5	33.8	161.2
1980	2.4	63.6	8.4	1.7	0.0	1.8	0.2	12.1	NA	0.4	NA	NA	19.5	97.9	41.5	139.5
1985	3.3	77.3	16.6	1.4	0.1	1.8	1.4	21.2	NA	0.5	NA	NA	25.5	127.8	51.8	179.6
1990	2.6	78.3	6.4	1.7	(s)	8.2	1.6	17.9	0.0	1.9	0.0	(s)	30.1	130.8	71.5	202.3
1995	4.6	91.8	5.0	2.6	0.1	0.3	0.7	9.7	0.0	2.0	0.0	(s)	35.5	142.6	75.2	217.8
2000	0.1	96.8	5.2	3.1	0.3	0.3	0.9	9.7	0.0	2.0	0.0	(s)	42.0	150.6	83.3	233.9
2005	1.3	97.1	5.8	2.7	0.1	0.3	1.9	10.8	0.0	2.1	0.0	(s)	75.0	186.3	156.6	342.8
2006	1.5	88.6	3.9	2.6	0.1	7.1	1.5	15.2	0.0	2.2	0.0	(s)	75.7	183.1	154.1	337.2
2007	1.1	93.1	4.2	2.2	0.1	4.8	0.6	11.9	0.0	2.2	0.0	(s)	76.8	185.2	155.6	340.7
2008	1.1	101.9	5.4	3.7	(s)	4.4	1.2	14.7	0.0	2.4	0.0	(s)	77.1	197.1	147.7	344.8
2009	1.0	99.1	6.0	3.0	(s)	3.3	1.2	13.6	0.0	2.5	0.0	(s)	76.1	192.3	140.6	332.9
2010	0.8	90.9	4.7	2.6	(s)	3.5	1.1	11.9	0.0	2.6	0.0	(s)	76.8	182.9	143.5	326.5
2011	0.6	95.3	6.0	3.0	(s)	3.2	0.8	13.1	0.0	2.5	0.0	(s)	76.3	187.9	135.1	323.0
2012	0.1	84.7	5.6	2.6	(s)	3.5	0.1	11.7	0.0	2.3	0.0	(s)	76.8	175.7	133.3	309.0
2013	0.1	108.3	7.0	3.6	(s)	3.1	(s)	13.8	0.0	2.6	0.0	(s)	78.6	R 203.6	132.7	R 336.2
2014	0.2	114.5	7.2	4.1	(s)	3.2	0.1	14.6	0.0	R 5.1	0.0	(s)	77.9	R 212.3	133.3	R 345.6
2015	0.2	96.6	6.1	3.8	(s)	7.7	(s)	17.6	0.0	R 5.3	0.0	(s)	79.8	R 199.6	127.1	R 326.7
2016	0.2	95.8	5.6	4.3	(s)	7.9	(s)	17.9	0.0	R 5.8	0.0	0.1	80.2	R 200.1	125.5	R 325.6
2017	0.1	102.8	6.2	5.1	(s)	5.0	(s)	16.4	0.0	R 6.0	0.0	0.1	79.4	R 205.0	123.4	R 328.4
2018	0.1	115.1	4.9	6.2	(s)	5.1	(s)	16.3	0.0	R 6.4	0.0	0.1	79.8	R 217.9	129.8	R 347.8
2019	0.1	119.1	4.5	5.5	(s)	5.2	(s)	15.2	0.0	R 6.3	0.0	0.1	78.1	R 219.1	111.2	R 330.3
2020	0.1	106.7	3.6	5.8	(s)	5.2	0.0	14.6	0.0	5.1	0.0	0.1	73.4	R 200.1	109.1	R 309.2
2021	0.1	107.7	5.4	5.7	(s)	5.2	(s)	16.4	0.0	R 5.0	0.0	0.2	75.4	R 204.8	113.1	R 317.9
2022	0.1	R 125.7	5.9	6.4	(s)	8.8	(s)	21.2	0.0	R 5.5	0.0	0.2	76.9	R 229.8	R 108.3	R 338.1
2023	(s)	113.5	5.5	5.1	(s)	5.3	(s)	15.9	0.0	4.6	0.0	0.3	77.2	211.4	100.6	312.0

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Beginning in 2013, includes biodiesel blended into distillate fuel oil.
^c Hydrocarbon gas liquids, assumed to be propane only.
^d 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.
^e Includes small amounts of petroleum coke and, beginning in 2021 other petroleum products (biofuels product supplied), not shown separately.
^f Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
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 commercial 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.
 -- = 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. <https://www.eia.gov/state/seds/>