

**MINNESOTA** Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2023, Minnesota

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum								Electricity <sup>g</sup> Million kilowatthours	End use <sup>h,i</sup>	Electrical system energy losses <sup>j</sup>	Total <sup>f,h,i</sup>
			Aviation gasoline	Distillate fuel oil <sup>b</sup>	HGL <sup>c</sup>	Jet fuel <sup>d</sup>	Lubricants	Motor gasoline <sup>e</sup>	Residual fuel oil	Total <sup>f</sup>				
			Thousand barrels											
1960	44	(s)	1,199	3,194	27	472	697	28,176	95	33,860	0	--	--	--
1965	9	1	803	3,276	37	2,624	596	31,173	75	38,584	0	--	--	--
1970	3	7	277	5,064	95	3,491	628	40,279	29	49,863	0	--	--	--
1975	(s)	4	215	6,691	97	5,629	752	44,766	577	58,726	0	--	--	--
1980	0	9	193	8,117	68	5,142	796	44,535	971	59,822	0	--	--	--
1985	0	6	154	8,038	123	7,781	724	43,232	155	60,209	0	--	--	--
1990	0	12	214	9,168	57	5,099	815	45,075	0	60,427	0	--	--	--
1995	0	19	129	12,926	134	9,969	778	53,061	0	76,997	0	--	--	--
2000	0	21	136	16,559	7	13,301	831	60,074	222	91,129	0	--	--	--
2005	0	22	102	17,508	99	12,656	701	63,344	234	94,645	25	--	--	--
2006	0	20	86	18,383	87	11,773	683	61,825	199	93,035	21	--	--	--
2007	0	20	87	19,515	92	11,275	705	62,210	402	94,285	21	--	--	--
2008	0	18	78	17,745	171	10,238	654	61,118	636	90,641	22	--	--	--
2009	0	13	141	15,559	115	9,200	588	59,601	159	85,363	22	--	--	--
2010	0	15	87	16,462	20	8,372	431	59,598	204	85,175	22	--	--	--
2011	0	15	94	17,602	21	8,129	415	56,786	137	83,183	19	--	--	--
2012	0	13	94	17,973	17	7,954	395	58,700	71	85,205	17	--	--	--
2013	0	12	85	17,885	25	9,091	406	58,508	76	86,075	19	--	--	--
2014	0	13	74	18,338	25	8,495	419	58,782	49	86,183	24	--	--	--
2015	0	10	84	17,652	32	8,919	452	59,629	81	86,848	24	--	--	--
2016	0	12	76	19,997	37	9,203	460	61,118	113	91,005	24	--	--	--
2017	0	13	78	19,969	50	R 9,495	421	61,197	0	R 91,210	24	--	--	--
2018	0	14	78	21,516	19	R 9,213	407	59,727	0	R 90,958	26	--	--	--
2019	0	13	76	22,329	85	R 9,606	396	59,457	0	R 91,950	25	--	--	--
2020	0	11	75	18,260	28	R 4,629	324	51,285	0	R 74,601	20	--	--	--
2021	0	R 16	80	17,974	20	R 6,462	335	54,534	0	R 81,104	23	--	--	--
2022	0	R 18	83	R 18,098	106	R 7,334	R 353	53,830	0	R 81,551	20	--	--	--
2023	0	14	79	17,678	111	8,429	259	55,047	0	83,435	18	--	--	--

Trillion Btu

1960	0.9	0.3	6.1	18.6	0.1	2.6	4.2	148.0	0.6	180.2	0.0	181.4	0.0	181.4
1965	0.2	1.2	4.1	19.1	0.1	14.8	3.6	163.8	0.5	205.9	0.0	207.3	0.0	207.3
1970	0.1	7.5	1.4	29.5	0.4	19.7	3.8	211.6	0.2	266.6	0.0	274.1	0.0	274.1
1975	(s)	3.9	1.1	39.0	0.4	31.9	4.6	235.2	3.6	315.6	0.0	319.5	0.0	319.5
1980	0.0	9.1	1.0	47.3	0.3	29.1	4.8	233.9	6.1	322.5	0.0	331.6	0.0	331.6
1985	0.0	6.3	0.8	46.8	0.5	44.1	4.4	227.1	1.0	324.6	0.0	333.0	0.0	333.0
1990	0.0	12.1	1.1	53.4	0.2	28.9	4.9	236.8	0.0	325.3	0.0	339.2	0.0	339.2
1995	0.0	19.4	0.7	75.2	0.5	56.5	4.7	276.1	0.0	413.8	0.0	433.2	0.0	433.2
2000	0.0	21.4	0.7	96.4	(s)	75.4	5.0	312.4	1.4	491.4	0.0	512.8	0.0	512.8
2005	0.0	22.5	0.5	101.9	0.4	71.8	4.2	328.9	1.5	509.1	0.1	532.4	0.2	532.6
2006	0.0	20.7	0.4	106.7	0.3	66.8	4.1	320.6	1.2	500.1	0.1	522.8	0.1	523.0
2007	0.0	20.3	0.4	112.9	0.4	63.9	4.3	319.9	2.5	504.3	0.1	527.3	0.1	527.4
2008	0.0	18.0	0.4	102.6	0.7	58.1	4.0	312.1	4.0	R 481.7	0.1	R 502.0	0.1	R 502.2
2009	0.0	13.0	0.7	R 89.7	0.4	52.2	3.6	303.4	1.0	R 450.9	0.1	R 463.9	0.1	R 464.1
2010	0.0	15.6	0.4	R 94.9	0.1	47.5	2.6	302.0	1.3	R 448.8	0.1	R 464.5	0.1	R 464.6
2011	0.0	15.4	0.5	R 101.2	0.1	46.1	2.5	287.5	0.9	R 438.7	0.1	R 454.1	0.1	R 454.3
2012	0.0	13.1	0.5	R 103.3	0.1	45.1	2.4	297.1	0.4	R 448.9	0.1	R 462.0	0.1	R 462.1
2013	0.0	11.9	0.4	R 102.8	0.1	51.5	2.5	296.1	0.5	R 453.8	0.1	R 465.8	0.1	R 465.9
2014	0.0	13.4	0.4	R 105.2	0.1	48.2	2.5	297.4	0.3	R 454.1	0.1	R 467.6	0.1	R 467.7
2015	0.0	10.6	0.4	R 101.2	0.1	50.6	2.7	301.5	0.5	R 457.1	0.1	R 467.8	0.1	R 467.9
2016	0.0	12.0	0.4	R 114.6	0.1	52.2	2.8	309.0	0.7	R 479.8	0.1	R 491.8	0.1	R 492.0
2017	0.0	13.8	0.4	R 114.5	0.2	53.8	2.6	309.2	0.0	R 480.7	0.1	R 494.5	0.1	R 494.7
2018	0.0	14.7	0.4	R 123.0	0.1	52.2	2.5	301.9	0.0	R 480.0	0.1	R 494.9	0.1	R 495.0
2019	0.0	13.9	0.4	R 127.4	0.3	R 54.5	2.4	300.4	0.0	R 485.3	0.1	R 499.4	0.1	R 499.5
2020	0.0	11.7	0.4	R 104.1	0.1	26.2	2.0	259.1	0.0	R 391.9	0.1	R 403.7	0.1	R 403.8
2021	0.0	R 16.4	0.4	R 103.2	0.1	36.6	2.0	275.4	0.0	R 426.8	0.1	R 443.3	0.1	R 443.4
2022	0.0	R 18.5	0.4	R 103.9	0.4	R 41.6	2.1	271.8	0.0	R 429.6	0.1	R 448.2	0.1	R 448.3
2023	0.0	14.9	0.4	101.6	0.4	47.8	1.6	277.9	0.0	439.5	0.1	454.5	0.1	454.6

<sup>a</sup> Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.

<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 "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.

<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>f</sup> Beginning in 2021, includes other petroleum products (biofuels product supplied) not shown separately.

<sup>g</sup> 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.

<sup>h</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

<sup>i</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

<sup>j</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.  
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/>