

MINNESOTA Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2019, Minnesota

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum							Hydro-electric Power ^{g,h} Million Kilowatt-hours	Biomass		Geo-thermal ^h	Solar ^{h,k}	Electricity Retail Sales	Net Energy ^{h,l}	Electrical System Energy Losses ^m	Total ^{h,l}
			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			Million Kilowatt-hours			
															Thousand Barrels			
1960	3,543	131	15,994	4,525	472	32,583	6,419	9,046	69,040	156	--	--	--	--	8,821	--	--	--
1970	2,595	283	21,805	8,887	3,491	44,122	4,316	10,277	92,898	168	--	--	--	--	20,715	--	--	--
1980	1,200	278	21,215	7,697	5,142	46,211	2,821	8,630	91,716	145	--	--	--	--	32,998	--	--	--
1990	1,462	285	19,485	5,966	5,099	47,760	959	12,185	91,455	172	--	--	--	--	47,167	--	--	--
2000	2,097	352	24,599	9,844	13,301	61,120	929	14,258	124,051	248	--	--	--	--	59,782	--	--	--
2001	1,255	330	24,796	8,974	11,588	62,236	1,096	14,489	123,179	186	--	--	--	--	60,687	--	--	--
2002	1,367	358	24,541	11,302	11,064	63,503	987	13,141	124,540	45	--	--	--	--	62,162	--	--	--
2003	1,269	355	25,130	10,862	11,977	64,638	1,022	14,123	127,753	93	--	--	--	--	63,087	--	--	--
2004	1,312	347	26,327	11,662	12,505	64,804	1,399	14,258	130,955	132	--	--	--	--	63,340	--	--	--
2005	1,372	342	26,207	11,161	12,656	64,697	1,631	15,668	132,020	130	--	--	--	--	66,019	--	--	--
2006	1,362	328	25,896	10,363	11,773	64,432	829	15,516	128,798	96	--	--	--	--	66,770	--	--	--
2007	1,417	354	26,937	10,401	11,275	64,627	1,278	15,379	129,898	96	--	--	--	--	68,231	--	--	--
2008	1,419	400	26,405	9,701	10,238	62,903	2,026	13,111	124,385	118	--	--	--	--	68,794	--	--	--
2009	1,221	370	23,040	10,587	9,200	61,240	686	12,083	116,836	134	--	--	--	--	64,004	--	--	--
2010	1,347	387	25,161	8,133	R 9,101	61,587	585	12,299	R 116,866	127	--	--	--	--	67,800	--	--	--
2011	1,331	393	26,412	7,955	R 8,722	58,738	520	12,248	R 114,595	117	--	--	--	--	68,533	--	--	--
2012	1,134	365	26,575	7,345	R 8,548	60,715	128	12,390	R 115,701	74	--	--	--	--	67,989	--	--	--
2013	1,276	418	27,149	9,688	R 9,681	60,569	95	12,436	R 119,619	90	--	--	--	--	68,644	--	--	--
2014	1,247	444	27,691	11,296	R 9,136	60,631	67	11,640	R 120,462	19	--	--	--	--	68,719	--	--	--
2015	966	378	25,616	9,046	R 9,537	62,346	92	R 12,271	R 118,909	115	--	--	--	--	66,579	--	--	--
2016	1,065	385	27,730	9,028	R 9,795	63,993	121	R 12,558	R 123,225	130	--	--	--	--	66,546	--	--	--
2017	1,209	403	27,825	10,572	R 10,110	63,511	20	R 10,843	R 122,881	156	--	--	--	--	67,153	--	--	--
2018	1,082	427	29,896	11,852	R 9,714	62,071	14	R 11,400	R 124,948	92	--	--	--	R 68,708	--	--	--	
2019	1,000	433	30,915	13,310	10,093	61,761	44	11,984	128,107	97	--	--	--	66,966	--	--	--	

Trillion Btu

1960	76.8	135.9	93.2	17.3	2.6	171.2	40.4	54.3	378.9	1.7	25.3	NA	NA	NA	30.1	648.6	74.4	723.0
1970	54.2	283.9	127.0	33.9	19.7	231.8	27.1	63.6	503.1	1.8	23.2	NA	NA	NA	70.7	936.9	171.0	1,107.9
1980	21.0	277.0	123.6	28.2	29.1	242.7	17.7	53.7	495.1	1.5	46.6	NA	NA	NA	112.6	953.8	270.5	1,224.2
1990	27.0	286.4	113.5	21.9	28.9	250.9	6.0	76.7	498.0	1.8	41.1	0.7	0.1	0.3	160.9	1,018.4	391.2	1,409.7
2000	40.5	357.4	143.1	36.4	75.4	317.9	5.8	90.3	668.9	2.5	45.6	13.4	0.2	0.3	204.0	1,332.8	416.3	1,749.1
2001	24.4	334.2	144.3	33.1	65.7	323.7	6.9	90.9	664.5	1.9	48.9	15.4	0.3	0.3	207.1	1,296.9	424.0	1,720.9
2002	26.2	360.9	142.8	41.0	62.7	330.2	6.2	82.3	665.2	0.5	38.5	18.2	0.3	0.2	212.1	1,322.2	463.4	1,785.7
2003	24.0	357.4	146.2	40.2	67.9	335.9	6.4	88.6	685.3	0.9	33.5	21.5	0.4	0.2	215.3	1,338.5	525.2	1,863.7
2004	24.9	349.6	153.2	42.6	70.9	336.7	8.8	90.0	702.2	1.3	44.8	23.6	0.4	0.2	216.1	1,363.3	500.2	1,863.4
2005	26.1	346.0	152.5	40.8	71.8	335.9	10.3	99.0	710.1	1.3	47.8	24.5	0.4	0.1	225.3	1,382.2	489.6	1,871.8
2006	25.7	333.1	150.2	37.8	66.8	334.1	5.2	97.6	691.6	1.0	44.7	31.6	0.5	0.1	227.8	1,358.1	485.4	1,843.5
2007	27.0	360.6	155.8	37.9	63.9	332.3	8.0	96.6	694.6	0.9	46.3	33.6	0.6	0.1	232.8	1,399.1	497.6	1,896.8
2008	27.2	409.9	152.6	35.7	58.1	321.2	12.7	82.2	662.5	1.2	46.9	40.1	0.7	0.2	234.7	1,425.6	487.6	1,913.3
2009	23.4	381.6	133.1	38.4	52.2	311.7	4.3	75.6	615.3	1.3	48.6	52.4	0.9	0.2	218.4	1,342.1	444.1	1,786.2
2010	25.7	390.7	145.3	31.2	R 51.6	312.1	3.7	77.0	R 620.9	1.2	55.2	R 60.2	1.0	0.2	231.3	R 1,386.7	473.3	R 1,860.0
2011	25.4	396.5	152.4	30.6	R 49.5	297.4	3.3	76.5	R 609.6	1.1	52.9	R 62.5	1.0	0.2	233.8	R 1,383.3	469.8	R 1,853.1
2012	21.4	372.0	153.3	28.2	R 48.5	307.3	0.8	77.4	R 615.5	0.7	49.1	R 56.8	1.1	0.3	232.0	R 1,349.1	466.4	R 1,815.5
2013	24.2	427.7	156.5	37.2	R 54.9	306.5	0.6	77.6	R 633.3	0.9	53.0	R 54.8	1.1	0.3	234.2	R 1,429.6	459.1	R 1,888.7
2014	23.4	458.5	159.6	43.4	R 51.8	306.7	0.4	72.7	R 634.7	0.2	58.6	R 59.5	1.1	0.4	234.5	R 1,471.0	471.4	R 1,942.3
2015	17.6	392.7	147.6	34.7	R 54.1	315.3	0.6	76.7	R 629.0	1.1	56.9	R 60.9	1.1	0.4	227.2	R 1,387.2	428.8	R 1,816.0
2016	19.8	398.0	159.6	34.7	R 55.5	323.5	0.8	79.9	R 654.0	1.2	R 55.2	R 60.8	1.1	0.6	227.1	R 1,417.9	R 422.8	R 1,840.8
2017	22.1	415.3	160.2	40.6	R 57.3	320.9	0.1	R 68.4	R 647.5	1.4	R 47.7	61.6	1.1	0.8	229.1	R 1,426.9	436.9	R 1,863.9
2018	19.7	R 446.6	172.2	45.5	R 55.1	313.7	0.1	R 72.2	R 658.7	0.8	R 53.5	R 62.7	1.1	1.0	R 234.4	R 1,478.8	R 461.9	R 1,940.7
2019	18.5	455.1	178.0	51.1	57.2	312.0	0.3	75.7	674.4	0.9	55.7	59.1	1.1	1.1	228.5	1,499.4	400.8	1,900.2

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Beginning in 2009, includes biodiesel blended into distillate fuel oil.
^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 pumped-storage hydroelectricity, 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 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 net energy 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.
^m 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 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>.
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.