

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2023, Minnesota

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum							Nuclear electric power	Hydro-electric power ^g Million kilowatthours	Wind	Fuel ethanol ^h Thousand barrels	Biodiesel Thousand barrels
			Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^f	Total					
1960	5,976	180	16,151	4,525	472	32,583	6,658	9,046	69,435	0	887	0	NA	NA
1965	7,259	249	18,960	5,781	2,624	35,278	4,980	9,886	77,507	143	1,093	0	NA	NA
1970	8,787	342	22,356	8,887	3,491	44,122	5,159	10,420	94,435	0	894	0	NA	NA
1971	7,884	351	23,814	9,430	3,985	45,866	4,133	10,295	97,523	1,394	980	0	NA	NA
1972	8,287	351	26,014	10,415	4,528	47,727	7,115	11,367	107,166	3,559	1,041	0	NA	NA
1973	9,384	361	26,735	9,816	5,185	49,154	7,038	12,443	110,370	3,270	1,057	0	NA	NA
1974	10,141	352	25,009	9,259	5,545	47,932	5,891	11,963	105,600	4,363	918	0	NA	NA
1975	10,120	331	24,369	9,187	5,629	48,253	4,326	10,887	102,651	9,750	917	0	NA	NA
1976	12,056	320	28,359	8,769	5,313	49,942	5,629	11,691	109,702	9,911	588	0	NA	NA
1977	14,702	293	26,975	8,304	5,271	50,914	4,487	11,342	107,294	11,163	670	0	NA	NA
1978	14,374	313	28,693	7,326	5,093	52,943	4,395	11,524	109,974	11,591	1,081	0	NA	NA
1979	12,954	334	27,020	8,509	5,644	50,475	2,635	10,449	104,732	11,503	917	0	NA	NA
1980	13,810	286	21,382	7,697	5,142	46,211	3,183	8,630	92,244	10,027	786	0	NA	NA
1981	13,894	266	18,698	5,956	4,516	45,024	1,576	7,441	83,211	10,187	938	0	9	NA
1982	12,115	262	20,900	7,492	4,261	44,877	1,693	7,527	86,750	10,197	1,006	0	11	NA
1983	11,984	241	17,388	7,538	4,044	46,061	1,567	9,040	85,636	11,753	1,073	0	8	NA
1984	13,258	256	19,099	4,983	7,331	48,051	1,109	9,269	89,842	8,328	971	0	6	NA
1985	12,744	257	19,891	5,353	7,781	45,285	859	9,245	88,414	11,572	973	0	658	NA
1986	11,327	245	19,275	6,280	7,801	45,776	1,797	9,840	90,769	11,052	1,081	0	812	NA
1987	14,504	240	19,310	5,418	5,656	47,018	1,208	10,709	89,318	11,554	865	0	521	NA
1988	17,285	284	20,497	5,621	5,142	48,813	1,277	10,769	92,118	12,288	677	(s)	418	NA
1989	18,279	300	20,592	6,088	4,663	48,576	1,062	11,666	92,648	10,926	817	(s)	493	NA
1990	18,377	291	19,576	5,966	5,099	47,760	961	12,912	92,275	12,139	857	(s)	577	NA
1991	16,993	314	21,107	6,595	4,978	48,578	1,047	11,518	93,822	12,059	1,037	(s)	1,102	NA
1992	16,924	309	21,270	8,008	6,621	49,693	1,176	12,711	99,477	11,166	1,063	(s)	1,729	NA
1993	18,321	328	20,786	8,926	9,438	51,348	1,235	12,061	103,793	11,986	1,151	(s)	3,224	NA
1994	18,729	324	22,035	9,445	9,780	52,540	1,085	12,612	107,497	12,224	1,139	40	3,690	NA
1995	18,947	353	23,038	9,758	9,969	54,303	647	13,762	111,477	13,243	1,098	57	3,968	NA
1996	19,703	368	24,016	12,018	10,625	54,866	783	15,478	117,787	12,095	1,187	50	3,023	NA
1997	19,086	354	23,757	10,269	10,892	55,755	695	15,626	116,994	10,819	1,035	54	4,523	NA
1998	19,958	331	24,606	7,410	10,709	58,106	515	14,941	116,288	11,644	955	147	5,063	NA
1999	19,082	345	23,920	8,705	12,591	59,894	552	16,224	121,888	13,316	1,179	486	5,500	NA
2000	20,735	362	24,846	9,844	13,301	61,120	930	15,338	125,378	12,960	931	725	5,589	NA
2001	19,683	341	24,995	8,974	11,588	62,236	1,146	15,469	124,408	11,789	832	897	5,718	14
2002	20,455	372	24,636	11,302	11,064	63,503	992	14,196	125,694	13,685	809	906	6,190	23
2003	21,998	371	25,336	10,862	11,977	64,638	1,063	15,435	129,311	13,414	815	978	6,736	19
2004	21,382	360	26,457	11,662	12,505	64,804	1,461	15,463	132,351	13,296	738	812	6,403	37
2005	21,381	368	26,439	11,161	12,656	64,697	1,710	16,777	133,440	12,835	775	1,582	5,016	R 126
2006	20,935	353	26,035	10,363	11,773	64,432	851	16,273	129,726	13,183	572	2,055	4,621	R 361
2007	20,595	388	27,334	10,401	11,275	64,627	1,348	15,715	130,701	13,103	654	2,639	5,848	R 489
2008	20,182	425	26,562	9,701	10,238	62,903	2,051	13,388	124,843	12,997	727	4,355	6,235	R 419
2009	18,576	394	23,162	10,587	9,200	61,240	691	12,083	116,963	12,393	809	5,053	6,140	R 444
2010	17,929	423	25,225	8,133	8,372	61,587	585	R 12,353	R 116,254	13,478	840	4,792	7,843	R 359
2011	17,846	421	26,464	7,955	8,129	58,738	520	R 12,295	R 114,100	11,959	746	6,726	7,038	1,219
2012	14,518	422	26,634	7,345	7,954	60,715	128	R 12,439	R 115,215	11,944	561	8,176	7,295	1,239
2013	15,041	468	27,217	9,688	9,091	60,569	95	R 12,488	R 119,149	10,708	511	8,259	7,406	1,248
2014	17,781	475	27,807	11,296	8,495	60,631	67	R 11,696	R 119,993	12,707	548	9,691	7,386	1,597
2015	15,425	431	25,674	9,046	8,919	62,346	92	R 12,362	R 118,440	12,039	849	9,779	7,795	1,784
2016	14,752	450	27,791	9,028	9,203	63,993	121	R 12,643	R 122,779	13,861	1,209	9,933	7,957	1,948
2017	14,568	452	27,881	10,572	R 9,495	63,511	20	10,905	122,384	13,904	1,258	11,137	7,932	1,959
2018	14,895	490	29,972	11,852	R 9,213	62,071	14	11,449	124,571	14,601	1,054	10,714	7,688	2,836
2019	11,604	520	31,014	13,310	R 9,606	61,762	44	12,024	R 127,760	14,105	1,056	10,965	7,788	3,590
2020	9,205	469	26,351	12,194	R 4,629	53,610	23	R 12,357	R 109,163	14,677	1,002	11,831	6,795	3,051
2021	10,150	495	26,285	11,534	R 6,462	56,840	27	R 13,409	R 114,557	14,123	679	12,271	7,148	2,959
2022	10,478	R 508	R 26,545	11,940	R 7,334	56,902	27	R 13,306	R 116,053	14,696	950	15,091	7,237	R 2,982
2023	8,399	506	25,898	10,716	8,429	57,322	23	13,039	115,427	11,924	750	14,398	7,363	2,912

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b 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.
^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." 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 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 hydroelectric pumped-storage, which cannot be

separately identified.
^h Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
 NA = Not available.
 Where shown, R = Revised data and (s) = Value less than 0.5.
 Notes: : 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.
<https://www.eia.gov/state/seds/>