

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum							Nuclear electric power	Hydro-electric power ^g	Wind	Fuel ethanol ^h	Biodiesel
			Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^f	Total					
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatthours			Thousand barrels	
1960	12,735	91	21,750	4,258	245	33,125	4,394	7,640	71,412	0	2,399	0	NA	NA
1965	14,528	200	23,508	5,246	629	36,295	3,209	6,769	75,656	0	2,131	0	NA	NA
1970	16,898	338	25,841	7,679	1,603	45,483	2,936	10,420	93,962	157	1,904	0	NA	NA
1971	15,044	348	26,538	7,935	1,872	46,818	2,155	9,525	94,842	3,469	2,230	0	NA	NA
1972	14,709	321	26,833	8,769	2,014	49,625	2,411	8,956	98,609	3,294	2,413	0	NA	NA
1973	13,636	368	27,430	8,735	2,283	51,239	2,520	9,624	101,832	5,952	2,444	0	NA	NA
1974	12,632	381	26,913	8,472	2,146	50,702	1,881	7,788	97,901	8,256	2,020	0	NA	NA
1975	12,733	365	26,561	8,448	2,206	51,548	2,106	6,710	97,579	10,293	2,037	0	NA	NA
1976	13,991	315	30,155	9,470	2,243	53,642	3,211	7,130	105,851	10,722	1,652	0	NA	NA
1977	14,297	349	30,646	10,705	2,291	54,934	3,641	6,474	108,692	10,945	1,821	0	NA	NA
1978	13,980	371	32,663	9,106	2,370	56,790	3,663	7,545	112,137	11,718	2,371	0	NA	NA
1979	15,156	368	32,137	6,888	2,591	53,781	2,478	6,326	104,200	10,403	2,294	0	NA	NA
1980	15,644	352	22,495	6,036	2,397	49,606	1,772	5,829	88,135	9,911	2,115	0	NA	NA
1981	16,186	325	20,968	4,932	2,282	48,233	866	4,492	81,772	9,719	2,142	0	0	NA
1982	15,794	312	20,511	5,914	2,097	46,233	2,132	4,508	81,395	10,268	2,422	0	6	NA
1983	17,407	299	20,465	5,950	1,843	46,837	793	4,613	80,502	9,299	2,556	0	2	NA
1984	17,949	305	23,301	5,540	1,605	46,648	664	4,356	82,113	10,745	2,338	(s)	4	NA
1985	18,034	308	23,154	5,377	1,663	46,557	402	4,270	81,424	10,979	2,546	(s)	28	NA
1986	18,743	279	22,396	5,361	1,562	47,421	1,044	4,357	82,141	11,199	2,419	(s)	33	NA
1987	19,652	279	22,348	5,632	1,448	47,490	1,180	4,948	83,046	11,311	1,576	(s)	25	NA
1988	20,038	317	24,829	6,029	1,344	49,522	1,095	5,903	88,722	11,464	1,488	(s)	49	NA
1989	19,947	331	25,621	6,929	1,343	49,130	1,023	6,335	90,380	10,848	1,476	(s)	138	NA
1990	20,122	309	24,192	6,664	1,424	48,989	1,109	6,420	88,798	11,226	2,014	(s)	196	NA
1991	20,659	332	22,873	8,471	1,352	49,898	846	6,145	89,586	10,991	2,517	(s)	489	NA
1992	20,096	332	22,310	7,780	1,721	50,285	844	6,131	89,071	11,207	2,402	0	425	NA
1993	20,922	349	24,061	8,626	1,912	51,634	1,247	6,727	94,208	11,465	2,487	0	356	NA
1994	21,813	356	24,319	8,957	1,975	53,048	1,268	7,213	96,780	11,516	2,228	0	392	NA
1995	23,151	381	23,471	8,753	2,044	55,053	829	7,812	97,962	10,970	2,378	0	861	NA
1996	24,076	403	24,908	11,139	1,530	56,313	1,020	8,554	103,464	10,121	2,696	0	1,362	NA
1997	25,487	401	24,999	9,935	1,950	55,696	1,065	9,726	103,371	9,916	2,483	0	1,594	NA
1998	24,740	368	25,199	8,461	1,866	58,740	923	10,843	106,031	9,397	1,747	0	824	NA
1999	25,276	381	28,622	11,009	3,407	58,976	1,011	11,139	114,163	11,495	1,985	0	697	NA
2000	25,928	394	29,301	11,129	3,139	58,194	1,110	10,121	112,993	11,512	1,986	3	781	NA
2001	25,921	360	31,694	10,094	2,590	58,870	918	9,792	113,958	11,507	2,056	72	1,993	5
2002	25,174	385	30,051	12,304	2,293	60,351	1,050	9,208	115,257	12,449	2,515	46	3,188	8
2003	26,197	395	26,357	10,658	1,336	60,902	930	10,336	110,519	12,215	1,843	98	2,641	7
2004	26,696	383	28,240	11,556	2,641	61,130	1,154	10,727	115,448	11,888	1,981	104	2,512	14
2005	26,727	410	27,309	11,337	2,858	61,367	1,468	10,442	114,781	9,921	1,740	93	4,090	46
2006	25,488	372	28,387	10,155	2,748	60,526	851	10,494	113,162	12,234	1,679	101	3,718	132
2007	25,597	398	28,085	10,363	2,227	62,275	800	9,939	113,691	12,910	1,516	109	4,615	179
2008	26,586	409	27,415	9,565	2,638	60,212	722	9,104	109,656	12,155	1,616	487	5,653	154
2009	23,829	387	23,317	8,861	2,493	60,551	245	7,697	103,165	12,683	1,394	1,052	5,808	163
2010	25,516	373	23,799	8,483	2,864	61,638	106	8,425	105,314	13,281	2,112	1,088	6,541	132
2011	24,453	394	23,650	8,595	2,747	59,419	121	8,364	102,896	11,560	2,147	1,188	5,995	449
2012	20,701	403	24,310	7,215	2,203	59,044	101	7,055	99,928	14,300	1,530	1,558	5,909	453
2013	25,109	443	24,094	9,463	2,216	58,846	68	7,884	102,571	11,675	1,979	1,558	6,016	715
2014	22,713	463	26,521	10,190	2,208	61,973	50	8,126	109,068	9,447	2,472	1,618	6,335	715
2015	22,793	458	25,982	9,270	2,274	62,532	81	7,351	107,490	10,008	2,341	1,589	6,516	620
2016	19,875	482	24,911	8,447	2,363	62,710	142	R 7,134	R 105,707	10,151	2,795	1,515	6,498	880
2017	21,853	488	24,716	8,247	2,478	61,991	167	R 7,699	R 105,298	9,649	2,657	1,641	6,452	739
2018	20,400	543	26,947	9,638	2,622	64,295	173	R 6,985	R 110,660	10,129	2,392	1,638	6,636	715
2019	15,526	569	27,028	11,619	2,827	63,064	147	R 6,322	R 111,007	10,030	2,641	1,878	6,627	R 571
2020	13,842	548	25,630	10,350	1,763	55,705	159	R 6,209	R 99,816	9,771	2,788	1,763	5,892	724
2021	15,931	R 537	R 26,786	10,755	2,046	60,618	167	R 7,134	R 107,505	9,970	2,145	1,593	6,389	R 643
2022	12,912	595	26,826	10,773	2,014	61,398	171	6,798	107,980	10,077	1,991	1,816	6,524	644

^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. <http://www.eia.gov/state/seds/>

W I S C O N S I N Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Wisconsin
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)		
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Distillate fuel oil excluding biofuels ^a	Petroleum					Total	Total	Natural gas including supplemental gaseous fuels ^a	Distillate fuel oil including biofuels ^a	Motor gasoline including fuel ethanol ^a
				HGL ^b	Jet fuel ^c	Motor gasoline excluding fuel ethanol ^a	Residual fuel oil	Other ^d					
1960	304.6	93.8	126.7	16.3	1.3	174.0	27.6	46.2	392.2	790.6	93.8	126.7	174.0
1965	347.9	204.1	136.9	20.1	3.5	190.7	20.2	40.9	412.3	964.3	204.1	136.9	190.7
1970	381.6	344.2	150.5	29.3	9.0	238.9	18.5	63.9	510.1	1,235.9	344.2	150.5	238.9
1971	337.3	354.7	154.6	30.3	10.6	245.9	13.6	58.6	513.5	1,205.5	354.7	154.6	245.9
1972	333.6	326.9	156.3	33.4	11.4	260.7	15.2	55.3	532.3	1,192.8	326.9	156.3	260.7
1973	310.7	373.5	159.8	33.2	12.9	269.2	15.8	59.8	550.6	1,234.8	373.5	159.8	269.2
1974	278.6	386.9	156.8	32.1	12.1	266.3	11.8	48.0	527.2	1,192.7	386.9	156.8	266.3
1975	272.0	372.1	154.7	31.8	12.5	270.8	13.2	41.3	524.3	1,168.5	372.1	154.7	270.8
1976	304.0	320.5	175.7	35.5	12.7	281.8	20.2	44.2	570.0	1,194.5	320.5	175.7	281.8
1977	307.5	354.4	178.5	39.5	13.0	288.6	22.9	40.0	582.5	1,244.4	354.4	178.5	288.6
1978	296.1	375.3	190.3	33.9	13.4	298.3	23.0	47.0	605.9	1,277.2	375.3	190.3	298.3
1979	321.1	372.3	187.2	25.5	14.6	282.5	15.6	39.4	564.8	1,258.1	372.3	187.2	282.5
1980	327.3	354.7	131.0	22.4	13.5	260.6	11.1	36.2	474.9	1,156.9	354.7	131.0	260.6
1981	327.3	327.5	122.1	18.4	12.9	253.4	5.4	27.7	439.9	1,094.7	327.5	122.1	253.4
1982	324.1	315.7	119.5	21.7	11.8	242.9	13.4	28.0	437.3	1,077.1	315.8	119.5	242.9
1983	352.8	301.8	119.2	22.1	10.4	246.0	5.0	28.4	431.1	1,085.7	301.8	119.2	246.0
1984	363.4	307.5	135.7	20.7	9.0	245.0	4.2	26.4	441.0	1,111.9	307.5	135.7	245.0
1985	360.7	311.4	134.9	20.0	9.3	244.6	2.5	26.1	437.4	1,109.5	311.4	134.9	244.6
1986	371.4	281.6	130.5	20.0	8.8	249.1	6.6	27.0	441.9	1,094.9	281.6	130.5	249.1
1987	386.6	281.6	130.2	21.1	8.1	249.5	7.4	30.7	447.0	1,115.1	281.6	130.2	249.5
1988	394.1	319.7	144.6	22.6	7.5	260.1	6.9	37.1	478.8	1,192.6	319.7	144.6	260.1
1989	389.9	332.7	149.2	26.1	7.5	258.1	6.4	39.9	487.3	1,210.0	332.7	149.2	258.1
1990	394.5	311.2	140.9	25.0	8.0	257.3	7.0	40.4	478.6	1,184.3	311.2	140.9	257.3
1991	405.6	333.8	133.2	31.7	7.6	262.1	5.3	38.4	478.3	1,217.8	333.8	133.2	262.1
1992	395.0	334.9	130.0	29.2	9.7	264.1	5.3	38.1	476.4	1,206.3	334.9	130.0	264.1
1993	403.3	352.4	140.2	32.3	10.8	268.1	7.8	41.8	501.0	1,256.7	352.4	140.2	269.4
1994	424.9	360.4	141.5	33.6	11.1	275.2	8.0	44.8	514.3	1,299.6	360.4	141.5	276.6
1995	441.6	385.3	136.6	32.8	11.6	283.5	5.2	48.8	518.5	1,345.5	385.3	136.6	286.5
1996	454.6	408.1	145.0	41.9	8.7	288.7	6.4	53.0	543.6	1,406.3	408.1	145.0	293.4
1997	486.6	405.0	145.5	37.3	11.1	284.4	6.7	60.6	545.5	1,437.1	405.0	145.5	289.9
1998	472.0	372.1	146.6	32.0	10.6	302.8	5.8	67.6	565.4	1,409.5	372.1	146.6	305.6
1999	480.7	385.1	166.6	41.2	19.3	304.4	6.4	69.6	607.4	1,473.3	385.1	166.6	306.8
2000	499.2	397.6	170.5	41.3	17.8	300.0	7.0	63.5	600.1	1,496.9	397.6	170.5	302.7
2001	494.0	363.0	184.4	37.7	14.7	299.3	5.8	61.9	603.7	1,460.8	363.0	184.4	306.2
2002	492.0	388.0	174.9	45.8	13.0	302.7	6.6	57.9	601.0	1,481.0	388.0	174.9	313.8
2003	488.2	397.9	153.4	40.0	7.6	307.3	5.8	65.8	579.9	1,466.0	397.9	153.4	316.5
2004	499.2	386.0	164.3	42.9	15.0	308.9	7.3	67.6	606.0	1,491.2	386.0	164.3	317.6
2005	522.5	415.6	158.9	42.1	16.2	304.4	9.2	65.8	596.6	1,534.7	415.6	158.9	318.6
2006	462.7	376.6	164.7	37.6	15.6	300.9	5.4	65.7	589.9	1,429.1	376.6	164.7	313.8
2007	465.1	403.9	162.4	38.4	12.6	304.2	5.0	62.0	584.6	1,453.7	403.9	162.4	320.2
2008	480.7	415.1	158.5	36.2	15.0	287.8	4.5	56.5	558.5	1,454.3	415.1	158.5	307.4
2009	425.9	392.5	133.6	33.3	14.1	288.1	1.5	47.9	518.5	1,337.0	392.5	134.7	308.2
2010	458.4	376.6	136.6	32.6	16.2	289.6	0.7	52.7	528.5	1,363.6	376.6	137.4	312.3
2011	447.4	399.2	134.5	33.0	15.6	280.0	0.8	52.6	516.5	1,363.1	399.2	136.5	300.8
2012	373.3	410.3	138.0	27.7	12.5	278.4	0.6	44.6	501.8	1,285.4	410.3	140.2	298.9
2013	454.6	454.1	135.0	36.3	12.6	276.9	0.4	49.2	510.5	1,419.1	454.1	138.9	297.8
2014	417.1	479.4	148.9	39.1	12.5	291.5	0.3	50.8	543.2	1,439.7	479.4	152.8	313.5
2015	408.2	477.0	145.6	35.6	12.9	293.6	0.5	45.9	534.1	1,419.2	477.0	149.7	316.2
2016	357.3	501.0	138.0	32.4	13.4	294.4	0.9	44.9	524.1	1,382.5	501.0	143.4	317.0
2017	388.6	504.8	137.4	31.7	14.0	290.8	1.0	48.1	523.1	1,416.5	504.8	142.3	313.2
2018	362.1	565.3	150.3	37.0	14.9	301.8	1.1	R 43.6	R 548.7	R 1,476.1	565.3	155.2	324.9
2019	280.1	592.5	151.1	44.6	16.0	295.5	0.9	R 39.3	R 547.5	R 1,420.1	592.5	155.7	318.6
2020	249.3	571.8	142.7	39.8	10.0	260.9	1.0	R 38.8	R 493.2	R 1,314.3	571.8	147.5	281.4
2021	286.8	R 561.1	R 152.3	41.3	11.6	283.9	1.0	R 44.4	R 532.5	R 1,380.3	R 561.1	R 154.4	306.1
2022	232.5	621.9	152.5	41.4	11.4	287.3	1.1	42.0	533.6	1,388.0	621.9	154.7	310.0

^a Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c 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.

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum

products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

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. <http://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Wisconsin (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^k	Electricity net imports ^l	Total ^f
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{f,j}	Wind	Total ^f			
			Wood and waste ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^f							
1960	0.0	R 8.2	39.2	NA	NA	NA	NA	39.2	0.0	NA	NA	R 47.3	R -5.7	0.0	R 832.2
1965	0.0	R 7.3	39.4	NA	NA	NA	NA	39.4	0.0	NA	NA	R 46.7	R -7.4	0.0	R 1,003.6
1970	1.7	R 6.5	38.3	NA	NA	NA	NA	38.3	0.0	NA	NA	R 44.8	R -26.7	0.0	R 1,255.8
1971	37.6	R 7.6	38.4	NA	NA	NA	NA	38.4	0.0	NA	NA	R 46.0	R -31.6	0.0	R 1,257.5
1972	35.5	R 8.2	40.6	NA	NA	NA	NA	40.6	0.0	NA	NA	R 48.8	R -25.1	0.0	R 1,252.1
1973	64.9	R 8.3	42.4	NA	NA	NA	NA	42.4	0.0	NA	NA	R 50.8	R -31.7	0.0	R 1,318.8
1974	92.1	R 6.9	44.5	NA	NA	NA	NA	44.5	0.0	NA	NA	R 51.4	R -34.4	0.0	R 1,301.8
1975	113.4	R 6.9	44.9	NA	NA	NA	NA	44.9	0.0	NA	NA	R 51.8	R -31.6	0.0	R 1,302.0
1976	118.5	R 5.6	52.4	NA	NA	NA	NA	52.4	0.0	NA	NA	R 58.1	R -35.2	0.0	R 1,335.9
1977	117.9	R 6.2	55.5	NA	NA	NA	NA	55.5	0.0	NA	NA	R 61.7	R -15.8	0.0	R 1,408.2
1978	128.2	R 8.1	66.2	NA	NA	NA	NA	66.2	0.0	NA	NA	R 74.3	R -15.3	0.0	R 1,464.4
1979	113.2	R 7.8	69.1	NA	NA	NA	NA	69.1	0.0	NA	NA	R 77.0	R -16.2	0.0	R 1,432.0
1980	108.1	R 7.2	165.3	NA	NA	NA	NA	165.3	0.0	NA	NA	R 172.6	R -10.0	0.0	R 1,427.5
1981	107.2	R 7.3	174.3	0.0	NA	NA	0.0	174.3	0.0	NA	NA	R 181.6	R 2.7	0.0	R 1,386.2
1982	113.7	R 8.3	170.1	(s)	NA	NA	0.0	170.1	0.0	NA	NA	R 178.4	R -6.7	0.0	R 1,362.6
1983	101.4	R 8.7	190.8	(s)	NA	NA	0.0	190.8	0.0	NA	0.0	R 199.5	R -12.3	0.0	R 1,374.3
1984	116.5	R 8.0	191.1	(s)	NA	NA	0.0	191.1	0.0	0.0	(s)	R 199.0	R 13.0	0.0	R 1,440.5
1985	116.6	R 8.7	191.2	0.1	NA	NA	0.0	191.3	0.0	0.0	(s)	R 200.0	R 33.0	0.0	R 1,459.2
1986	118.5	R 8.3	136.5	0.1	NA	NA	0.0	136.6	0.0	0.0	(s)	R 144.8	R 23.7	0.0	R 1,381.9
1987	118.1	R 5.4	136.4	0.1	NA	NA	0.0	136.5	0.0	0.0	(s)	R 141.9	R -6.3	0.0	R 1,368.8
1988	121.5	R 5.1	141.8	0.2	NA	NA	0.0	142.0	0.0	0.0	(s)	R 147.0	R 17.2	0.0	R 1,478.4
1989	114.8	R 5.0	108.0	0.5	NA	NA	0.0	108.5	0.1	0.2	(s)	R 113.8	R 40.3	0.0	R 1,478.8
1990	118.8	R 6.9	81.3	0.7	NA	NA	0.0	82.0	0.1	0.2	(s)	R 89.2	R 76.1	0.0	R 1,468.3
1991	115.2	R 8.6	81.7	1.7	NA	NA	0.0	83.4	0.1	0.2	(s)	R 92.3	R 80.6	0.0	R 1,505.9
1992	117.4	R 8.2	83.8	1.5	NA	NA	0.0	85.2	0.1	0.2	0.0	R 93.7	R 87.7	0.0	R 1,505.1
1993	120.4	R 8.5	78.7	1.2	NA	NA	0.0	79.9	0.1	0.2	0.0	R 88.7	R 101.7	0.0	R 1,567.5
1994	120.4	R 7.6	83.5	1.4	NA	NA	0.0	84.8	0.1	0.2	0.0	R 92.7	R 101.9	0.0	R 1,614.6
1995	115.3	R 8.1	86.1	3.0	NA	NA	0.3	89.4	0.1	0.2	0.0	R 97.8	R 118.5	0.0	R 1,677.0
1996	106.3	R 9.2	95.1	4.7	NA	NA	0.3	100.0	0.1	0.2	0.0	R 109.6	R 113.5	0.6	R 1,736.2
1997	41.1	R 8.5	96.9	5.5	NA	NA	0.2	102.7	0.1	0.2	0.0	R 111.5	R 148.6	3.0	R 1,741.3
1998	98.6	R 6.0	89.4	2.9	NA	NA	0.2	92.5	0.1	0.2	0.0	R 98.8	R 125.0	2.8	R 1,734.6
1999	120.1	R 6.8	93.0	2.4	NA	NA	0.2	95.7	0.1	0.2	0.0	R 102.8	R 127.8	1.4	R 1,825.3
2000	120.1	R 6.8	92.1	2.7	NA	NA	0.2	95.1	0.1	0.2	(s)	R 102.2	R 141.8	0.0	R 1,861.0
2001	120.2	R 7.0	99.0	6.9	(s)	NA	0.2	106.1	0.1	0.2	R 0.2	R 113.7	R 140.5	0.0	R 1,835.2
2002	130.0	R 8.6	72.2	11.1	(s)	NA	1.3	84.5	0.2	0.2	R 0.2	R 93.6	R 164.7	0.0	R 1,869.3
2003	127.3	R 6.3	84.5	9.2	(s)	NA	4.6	98.3	0.2	0.2	R 0.3	R 105.3	R 150.8	(s)	R 1,849.4
2004	124.0	R 6.8	72.4	8.7	0.1	NA	6.3	87.5	0.2	0.2	R 0.4	R 94.9	R 162.5	0.0	R 1,872.7
2005	103.5	R 5.9	102.0	14.2	0.2	NA	10.0	126.4	0.3	0.1	R 0.3	R 133.0	R 169.5	(s)	R 1,940.8
2006	127.7	R 5.7	97.1	12.9	0.7	NA	12.1	122.8	0.3	0.1	R 0.3	R 129.3	R 164.1	(s)	R 1,850.1
2007	135.4	R 5.2	92.4	16.0	1.0	NA	16.1	125.5	0.4	0.2	R 0.4	R 131.5	R 164.6	(s)	R 1,885.2
2008	127.0	R 5.5	93.3	19.6	0.8	NA	24.9	138.7	0.4	0.2	R 1.7	R 146.4	R 146.7	(s)	R 1,874.5
2009	132.7	R 4.8	82.6	20.1	0.9	NA	25.4	129.0	0.5	R 0.2	R 3.6	R 138.1	R 134.1	0.0	R 1,741.8
2010	138.8	R 7.2	104.1	22.7	0.7	NA	26.7	154.2	0.6	R 0.2	R 3.7	R 165.9	R 115.4	0.0	R 1,783.7
2011	121.0	R 7.3	101.8	20.8	2.4	0.0	28.1	153.1	0.6	0.3	R 4.1	R 165.3	R 118.4	0.0	R 1,767.9
2012	149.8	R 5.2	97.9	20.5	2.4	0.0	27.0	147.8	0.6	R 0.3	R 5.3	R 159.2	R 115.8	0.0	R 1,710.3
2013	122.0	R 6.8	102.9	20.9	3.8	0.0	26.4	154.0	0.6	R 0.3	R 5.3	R 167.0	R 96.1	0.0	R 1,804.2
2014	98.8	R 8.4	100.6	22.0	3.8	0.0	29.3	155.7	0.6	R 0.3	R 5.5	R 170.6	R 143.7	0.0	R 1,852.8
2015	104.7	R 8.0	106.7	22.6	3.3	0.0	30.1	162.8	0.6	R 0.3	R 5.4	R 177.1	R 83.0	0.0	R 1,784.1
2016	106.2	R 9.5	101.2	22.6	4.7	0.0	30.9	159.3	0.6	R 0.4	R 5.2	R 175.0	R 101.8	0.0	R 1,765.5
2017	100.9	R 9.1	99.4	22.4	4.0	0.0	31.9	157.7	0.6	R 0.5	R 5.6	R 173.5	R 91.1	0.0	R 1,782.0
2018	105.9	R 8.2	104.3	23.1	3.8	0.0	33.6	164.9	0.6	R 0.6	R 5.6	R 179.9	R 99.3	0.0	R 1,861.2
2019	104.7	R 9.0	101.2	23.1	3.1	0.0	33.3	160.6	0.6	R 0.7	R 6.4	R 177.4	R 109.1	0.0	R 1,811.3
2020	102.1	R 9.5	R 86.4	20.5	3.9	0.0	24.3	R 135.1	0.6	R 1.0	R 6.0	R 152.2	R 96.0	0.0	R 1,664.7
2021	R 104.0	R 7.3	R 81.5	22.2	3.4	0.0	27.8	R 134.9	0.6	R 2.1	R 5.4	R 150.4	R 90.1	0.0	R 1,724.8
2022	105.1	6.8	88.0	22.7	3.4	0.0	28.1	142.3	0.6	3.8	6.2	159.7	115.8	0.0	1,768.6

^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Excludes 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. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

ⁱ Losses and co-products from the production of biodiesel and fuel ethanol.

^j Solar thermal and photovoltaic energy.

^k Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year.

Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

^l Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

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. <http://www.eia.gov/state/seds/>

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum							Hydro-electric power ^{g,h}	Biomass		Geo-thermal ^h	Solar ^{h,k}	Electricity ^l	End use ^{h,m}	Electrical system energy losses ⁿ	Total ^{h,m}
			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						
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatt-hours				Million kilowatt-hours				
1960	7,540	89	21,745	4,258	245	33,125	4,349	7,640	71,362	338	--	--	--	--	12,586	--	--	--
1970	6,449	307	25,716	7,679	1,603	45,483	1,804	10,179	92,465	306	--	--	--	--	24,575	--	--	--
1980	2,415	338	21,995	6,036	2,397	49,606	1,704	5,820	87,558	258	--	--	--	--	36,906	--	--	--
1990	1,965	307	24,079	6,664	1,424	48,989	1,109	6,420	88,684	213	--	--	--	--	49,198	--	--	--
2000	1,855	372	29,017	11,129	3,139	58,194	1,108	9,929	112,516	231	--	--	--	--	65,146	--	--	--
2005	2,112	352	27,023	11,337	2,858	61,367	1,468	9,598	113,651	210	--	--	--	--	70,336	--	--	--
2006	1,787	328	28,141	10,155	2,748	60,526	851	9,221	111,643	204	--	--	--	--	69,821	--	--	--
2007	1,818	344	27,786	10,363	2,227	62,275	800	8,579	112,031	180	--	--	--	--	71,301	--	--	--
2008	1,862	368	27,252	9,565	2,638	60,212	722	7,804	108,193	163	--	--	--	--	70,122	--	--	--
2009	1,629	346	23,223	8,861	2,493	60,551	245	6,725	102,098	113	--	--	--	--	66,286	--	--	--
2010	1,683	330	23,712	8,483	2,864	61,638	106	7,432	104,234	136	--	--	--	--	68,752	--	--	--
2011	1,641	346	23,567	8,595	2,747	59,419	121	7,604	102,053	153	--	--	--	--	68,612	--	--	--
2012	1,418	316	24,210	7,215	2,203	59,044	101	6,897	99,671	119	--	--	--	--	68,820	--	--	--
2013	1,435	381	24,022	9,463	2,216	58,846	68	7,730	102,345	155	--	--	--	--	69,124	--	--	--
2014	1,479	403	26,397	10,190	2,208	61,973	50	7,902	108,720	158	--	--	--	--	69,495	--	--	--
2015	1,234	357	25,916	9,270	2,274	62,532	81	7,168	107,241	163	--	--	--	--	68,699	--	--	--
2016	903	363	24,841	8,447	2,363	62,710	142	R 6,921	R 105,425	176	--	--	--	--	69,736	--	--	--
2017	935	380	24,643	8,247	2,478	61,991	167	R 7,406	R 104,933	168	--	--	--	--	69,079	--	--	--
2018	920	414	26,865	9,638	2,622	64,295	173	R 6,709	R 110,302	141	--	--	--	--	70,960	--	--	--
2019	832	420	26,915	11,619	2,827	63,064	147	R 6,076	R 110,646	114	--	--	--	--	69,158	--	--	--
2020	603	R 388	R 25,579	10,350	1,763	55,705	159	R 5,974	R 99,530	127	--	--	--	--	67,448	--	--	--
2021	524	R 387	R 26,325	10,755	2,046	60,618	167	R 6,767	R 106,678	122	--	--	--	--	69,427	--	--	--
2022	456	420	26,758	10,773	2,014	61,398	171	6,453	107,567	97	--	--	--	--	69,876	--	--	--
Trillion Btu																		
1960	178.9	91.7	126.7	16.3	1.3	174.0	27.3	46.2	391.9	R 1.2	39.2	NA	NA	NA	42.9	R 745.6	R 86.6	R 832.2
1970	147.0	313.1	149.8	29.3	9.0	238.9	11.3	62.4	500.8	R 1.0	38.3	NA	NA	NA	83.8	R 1,084.0	R 171.8	R 1,255.8
1980	55.8	340.8	128.1	22.4	13.5	260.6	10.7	36.2	471.5	R 0.9	164.7	NA	NA	NA	125.9	R 1,159.7	R 267.9	R 1,427.5
1990	47.4	308.5	140.3	25.0	8.0	257.3	7.0	40.4	477.9	R 0.7	77.9	0.0	0.1	0.2	167.9	R 1,081.3	R 387.0	R 1,468.3
2000	44.6	376.1	168.9	41.3	17.8	302.7	7.0	62.4	600.0	R 0.8	86.9	0.2	0.1	0.2	222.3	R 1,331.3	R 529.7	R 1,861.0
2005	47.1	356.4	157.2	42.1	16.2	318.6	9.2	60.9	604.3	R 0.7	95.3	10.0	0.3	0.1	240.0	R 1,354.3	R 586.5	R 1,940.8
2006	40.6	332.1	163.3	37.6	15.6	313.8	5.4	58.4	594.0	R 0.7	89.0	12.1	0.3	0.1	238.2	R 1,307.8	R 542.3	R 1,850.1
2007	41.5	348.9	160.7	38.4	12.6	320.2	5.0	54.2	591.1	R 0.6	83.6	16.1	0.4	0.2	243.3	R 1,326.5	R 558.7	R 1,885.2
2008	43.2	373.4	157.5	36.2	15.0	307.4	4.5	49.1	569.7	R 0.6	84.1	24.9	0.4	0.2	239.3	R 1,336.6	R 537.9	R 1,874.5
2009	37.1	350.9	134.2	33.3	14.1	308.2	1.5	42.4	533.7	R 0.4	72.8	25.4	0.5	R 0.2	226.2	R 1,247.2	R 494.9	R 1,742.1
2010	38.1	333.6	136.9	32.6	16.2	312.3	0.7	47.1	545.8	R 0.5	93.4	26.7	0.6	R 0.2	234.6	R 1,273.4	R 510.4	R 1,783.8
2011	36.8	351.0	136.0	33.0	15.6	300.8	0.8	48.2	534.4	R 0.5	87.0	28.1	0.6	0.3	234.1	R 1,272.8	R 494.6	R 1,767.4
2012	32.1	321.9	139.6	27.7	12.5	298.9	0.6	43.7	523.0	R 0.4	82.1	27.0	0.6	R 0.3	234.8	R 1,222.2	R 487.8	R 1,710.0
2013	32.3	391.7	138.4	36.3	12.6	297.8	0.4	48.3	533.9	R 0.5	87.9	26.4	0.6	R 0.3	235.9	R 1,309.5	R 494.7	R 1,804.2
2014	33.0	417.8	152.1	39.1	12.5	313.5	0.3	49.5	567.2	R 0.5	83.0	29.3	0.6	R 0.3	237.1	R 1,368.8	R 484.1	R 1,852.9
2015	27.6	374.0	149.3	35.6	12.9	316.2	0.5	44.9	559.4	R 0.6	89.3	30.1	0.6	R 0.3	234.4	R 1,316.4	R 468.5	R 1,784.9
2016	19.4	379.2	143.0	32.4	13.4	317.0	0.9	43.7	550.4	R 0.6	86.9	30.9	0.6	R 0.4	237.9	R 1,306.3	R 459.9	R 1,766.2
2017	20.3	395.6	141.9	31.7	14.0	313.2	1.0	46.4	548.3	R 0.6	84.9	31.9	0.6	R 0.4	235.7	R 1,318.4	R 464.5	R 1,782.9
2018	20.1	433.5	154.7	37.0	14.9	324.9	1.1	R 42.0	R 574.7	R 0.5	90.7	33.6	0.6	R 0.5	242.1	R 1,396.4	R 465.8	R 1,862.2
2019	17.8	441.3	155.0	44.6	16.0	318.6	0.9	37.9	573.1	R 0.4	87.1	33.3	0.6	R 0.6	236.0	R 1,390.3	R 422.6	R 1,812.9
2020	13.0	407.1	147.2	39.8	10.0	281.4	1.0	R 37.5	R 516.9	R 0.4	R 73.8	24.3	0.6	R 0.7	230.1	R 1,267.0	R 398.6	R 1,665.6
2021	11.3	R 406.1	R 151.7	41.3	11.6	306.1	1.0	R 42.3	R 554.1	R 0.4	R 68.3	27.8	0.6	R 0.9	236.9	R 1,306.4	R 419.0	R 1,725.4
2022	10.0	441.7	154.3	41.4	11.4	310.0	1.1	40.0	558.1	0.3	73.3	28.1	0.6	1.0	238.4	1,351.7	417.6	1,769.3

^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."

^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 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 Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^m 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 the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.

ⁿ 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 sector 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>.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal ^a	Natural gas ^b	Petroleum				Biomass	Geothermal ^e	Solar ^{e,f}	Electricity ^g	End use ^{e,h}	Electrical system energy losses ⁱ	Total ^{e,h}
			Distillate fuel oil	HGL ^c	Kerosene	Total							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood ^d			Million kilowatthours			
1960	1,622	47	11,206	2,801	1,227	15,233	--	--	--	5,298	--	--	--
1965	1,153	79	11,790	3,866	660	16,315	--	--	--	6,963	--	--	--
1970	724	105	11,721	5,870	1,608	19,198	--	--	--	9,825	--	--	--
1975	173	120	11,019	5,659	530	17,208	--	--	--	11,782	--	--	--
1980	11	123	8,155	3,123	124	11,402	--	--	--	13,597	--	--	--
1985	6	116	6,669	3,188	195	10,052	--	--	--	16,307	--	--	--
1990	1	114	5,385	4,385	29	9,798	--	--	--	16,385	--	--	--
1995	17	136	3,659	5,821	34	9,515	--	--	--	18,635	--	--	--
2000	18	135	3,027	6,899	44	9,970	--	--	--	19,929	--	--	--
2005	33	131	2,640	6,953	28	9,621	--	--	--	22,458	--	--	--
2006	3	121	2,365	5,994	27	8,386	--	--	--	21,779	--	--	--
2007	6	131	1,980	6,315	14	8,308	--	--	--	22,374	--	--	--
2008	0	141	2,060	7,162	9	9,231	--	--	--	21,976	--	--	--
2009	0	133	1,243	6,498	27	7,768	--	--	--	21,421	--	--	--
2010	0	124	1,098	6,230	27	7,355	--	--	--	22,299	--	--	--
2011	0	129	943	6,225	37	7,204	--	--	--	22,150	--	--	--
2012	0	113	718	4,995	6	5,719	--	--	--	22,026	--	--	--
2013	0	143	798	6,724	9	7,532	--	--	--	22,096	--	--	--
2014	0	150	926	7,085	16	8,026	--	--	--	21,926	--	--	--
2015	0	127	778	6,199	10	6,986	--	--	--	21,215	--	--	--
2016	0	125	714	5,835	14	6,563	--	--	--	21,814	--	--	--
2017	0	131	706	5,800	9	6,514	--	--	--	21,233	--	--	--
2018	0	145	869	6,354	9	7,232	--	--	--	22,441	--	--	--
2019	0	152	847	8,479	14	9,340	--	--	--	21,995	--	--	--
2020	0	138	654	7,437	12	8,103	--	--	--	22,847	--	--	--
2021	0	132	783	7,710	10	8,503	--	--	--	22,864	--	--	--
2022	0	149	837	7,812	10	8,659	--	--	--	22,888	--	--	--
Trillion Btu													
1960	35.6	49.1	65.3	10.8	7.0	83.0	19.5	NA	NA	18.1	205.2	R 36.4	R 241.6
1965	25.1	80.9	68.7	14.8	3.7	87.3	14.9	NA	NA	23.8	231.9	R 46.7	R 278.6
1970	15.3	107.2	68.3	22.5	9.1	99.9	11.9	NA	NA	33.5	267.8	R 68.7	R 336.5
1975	3.3	122.4	64.2	21.7	3.0	88.9	11.7	NA	NA	40.2	266.6	R 82.1	R 348.7
1980	0.3	124.2	47.5	12.0	0.7	60.2	22.1	NA	NA	46.4	253.1	R 98.7	R 351.8
1985	0.1	117.4	38.8	12.2	1.1	52.2	23.2	NA	NA	55.6	248.5	R 113.1	R 361.6
1990	(s)	114.7	31.4	16.8	0.2	48.4	14.7	0.1	0.2	55.9	234.0	R 128.9	R 362.9
1995	0.4	137.5	21.3	22.4	0.2	43.9	8.0	0.1	0.2	63.6	253.7	R 145.1	R 398.8
2000	0.5	136.4	17.6	26.5	0.3	44.4	5.4	0.1	0.2	68.0	255.0	R 162.1	R 417.1
2005	0.6	133.0	15.4	26.7	0.2	42.2	25.0	0.3	0.1	76.6	277.8	R 187.3	R 465.1
2006	0.1	121.9	13.7	23.0	0.2	36.9	22.2	0.3	0.1	74.3	255.8	R 169.2	R 424.9
2007	0.1	132.9	11.5	24.3	0.1	35.8	24.5	0.4	0.2	76.3	270.2	R 175.3	R 445.5
2008	0.0	142.5	11.9	27.5	0.1	39.5	27.4	0.4	0.2	75.0	285.0	R 168.6	R 453.6
2009	0.0	135.0	7.2	25.0	0.2	32.3	20.4	0.5	0.2	73.1	261.5	R 159.9	R 421.4
2010	0.0	124.9	6.3	23.9	0.2	30.4	21.8	0.6	0.2	76.1	254.0	R 165.6	R 419.6
2011	0.0	131.3	5.4	23.9	0.2	29.6	21.2	0.6	R 0.2	75.6	R 258.4	R 159.7	R 418.1
2012	0.0	114.8	4.1	19.2	(s)	23.4	17.7	0.6	R 0.2	75.2	R 231.8	R 156.1	R 388.0
2013	0.0	146.9	4.6	25.8	0.1	30.5	23.1	0.6	R 0.2	75.4	276.7	R 158.1	R 434.8
2014	0.0	156.0	5.3	27.2	0.1	32.6	23.4	0.6	0.3	74.8	287.7	R 152.7	R 440.4
2015	0.0	132.8	4.5	23.8	0.1	28.3	29.3	0.6	0.3	72.4	R 263.7	R 144.7	R 408.4
2016	0.0	131.2	4.1	22.4	0.1	26.6	25.1	0.6	R 0.3	74.4	R 258.3	R 143.9	R 402.1
2017	0.0	136.3	4.1	22.3	(s)	26.4	24.5	0.6	R 0.3	72.4	R 260.6	R 142.8	R 403.3
2018	0.0	151.5	5.0	24.4	0.1	29.5	29.8	0.6	R 0.4	76.6	R 288.3	R 147.3	R 435.6
2019	0.0	159.1	4.9	32.6	0.1	37.5	29.2	0.6	R 0.4	75.0	R 301.9	R 134.4	R 436.3
2020	0.0	145.1	3.8	28.6	0.1	32.4	R 19.2	0.6	R 0.4	78.0	R 275.7	R 135.0	R 410.7
2021	0.0	138.8	4.5	29.6	0.1	34.2	R 18.5	0.6	R 0.5	78.0	R 270.6	R 138.0	R 408.6
2022	0.0	156.7	4.8	30.0	0.1	34.9	23.1	0.6	0.6	78.1	294.1	136.8	430.9

^a Beginning in 2008, data are no longer collected and are assumed to be zero.

^b Includes supplemental gaseous fuels that are commingled with natural gas.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d Wood and wood-derived fuels.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

^g Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^h 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.

ⁱ 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 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. <http://www.eia.gov/state/seds/>

W I S C O N S I N Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass	Geothermal ^f	Solar ^{f,h}	Electricity ⁱ	End use ^{f,j}	Electrical system energy losses ^k	Total ^{f,j}
			Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil	Total ^d								
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours	Wood and waste ^{f,g}		Million kilowatthours				
1960	1,127	11	1,817	346	101	295	556	3,113	NA	--	--	NA	3,059	--	--	--
1965	870	24	1,911	478	54	309	407	3,158	NA	--	--	NA	4,160	--	--	--
1970	569	55	1,900	725	132	56	244	3,058	NA	--	--	NA	6,180	--	--	--
1975	404	67	1,786	699	43	52	168	2,750	NA	--	--	NA	8,342	--	--	--
1980	40	77	1,682	386	57	76	30	2,231	NA	--	--	NA	10,019	--	--	--
1985	20	73	3,294	394	18	283	106	4,095	NA	--	--	NA	12,087	--	--	--
1990	4	66	2,128	542	9	320	217	3,215	11	--	--	(s)	13,408	--	--	--
1995	113	85	982	720	10	51	108	1,871	4	--	--	(s)	15,642	--	--	--
2000	144	81	1,344	853	10	79	180	2,465	4	--	--	(s)	19,055	--	--	--
2005	384	86	1,238	663	30	86	296	2,313	7	--	--	(s)	22,501	--	--	--
2006	26	86	895	607	25	56	81	1,664	(s)	--	--	(s)	22,756	--	--	--
2007	50	89	1,010	655	9	56	25	1,755	1	--	--	1	23,491	--	--	--
2008	179	97	1,264	949	6	56	1	2,275	(s)	--	--	2	23,473	--	--	--
2009	110	91	986	738	5	55	(s)	1,784	(s)	--	--	4	22,476	--	--	--
2010	112	82	662	891	4	55	0	1,613	1	--	--	5	23,001	--	--	--
2011	99	87	834	812	3	55	0	1,705	0	--	--	7	23,055	--	--	--
2012	30	77	769	675	2	55	0	1,501	2	--	--	14	23,233	--	--	--
2013	32	99	621	843	3	56	0	1,522	0	--	--	15	23,658	--	--	--
2014	27	107	702	913	5	53	0	1,674	0	--	--	16	23,757	--	--	--
2015	20	90	719	875	2	1,153	0	2,750	0	--	--	17	23,514	--	--	--
2016	21	89	714	852	5	1,159	0	2,729	0	--	--	14	23,884	--	--	--
2017	20	90	786	1,021	3	1,174	0	2,983	0	--	--	20	23,641	--	--	--
2018	20	100	648	1,435	3	1,178	0	3,265	0	--	--	35	24,093	--	--	--
2019	20	102	623	1,366	2	1,182	0	3,173	0	--	--	41	23,546	--	--	--
2020	15	92	445	1,467	2	1,190	0	3,104	0	--	--	53	22,436	--	--	--
2021	0	101	^R 656	1,528	3	1,202	0	^R 3,389	0	--	--	85	23,266	--	--	--
2022	0	117	693	1,445	3	1,236	0	3,376	0	--	--	99	23,427	--	--	--

Trillion Btu																
1960	24.7	11.3	10.6	1.3	0.6	1.5	3.5	17.5	NA	0.4	NA	NA	10.4	64.3	^R 21.0	^R 85.3
1965	19.0	24.0	11.1	1.8	0.3	1.6	2.6	17.5	NA	0.3	NA	NA	14.2	74.9	^R 27.9	^R 102.8
1970	12.0	55.6	11.1	2.8	0.7	0.3	1.5	16.4	NA	0.2	NA	NA	21.1	105.3	^R 43.2	^R 148.5
1975	7.7	68.9	10.4	2.7	0.2	0.3	1.1	14.7	NA	0.2	NA	NA	28.5	119.9	^R 58.1	^R 178.0
1980	1.0	77.7	9.8	1.5	0.3	0.4	0.2	12.2	NA	0.5	NA	NA	34.2	125.6	^R 72.7	^R 198.3
1985	0.5	73.5	19.2	1.5	0.1	1.5	0.7	23.0	NA	0.6	NA	NA	41.2	138.8	^R 83.8	^R 222.6
1990	0.1	66.7	12.4	2.1	(s)	1.7	1.4	17.6	^R (s)	1.9	0.0	(s)	45.7	^R 132.1	^R 105.5	^R 237.6
1995	2.8	85.8	5.7	2.8	0.1	0.3	0.7	9.5	(s)	1.3	0.0	(s)	53.4	152.8	^R 121.8	^R 274.5
2000	4.0	81.9	7.8	3.3	0.1	0.4	1.1	12.7	(s)	1.5	0.0	(s)	65.0	165.2	^R 154.9	^R 320.1
2005	7.3	87.2	7.2	2.5	0.2	0.4	1.9	12.2	^R (s)	4.4	0.0	(s)	76.8	^R 187.9	^R 187.6	^R 375.5
2006	0.6	87.3	5.2	2.3	0.1	0.3	0.5	8.5	(s)	4.0	0.0	(s)	77.6	178.1	^R 176.7	^R 354.8
2007	1.2	90.2	5.8	2.5	0.1	0.3	0.2	8.9	(s)	4.4	0.0	(s)	80.2	184.9	^R 184.1	^R 368.9
2008	4.8	98.5	7.3	3.6	(s)	0.3	(s)	11.3	(s)	4.6	0.0	(s)	80.1	199.3	^R 180.1	^R 379.3
2009	2.9	92.7	5.7	2.8	(s)	0.3	(s)	8.8	(s)	3.3	0.0	(s)	76.7	^R 184.5	^R 167.8	^R 352.3
2010	3.0	83.0	3.8	3.4	(s)	0.3	0.0	7.5	(s)	3.3	0.0	^R (s)	78.5	175.4	^R 170.8	^R 346.2
2011	2.7	88.3	4.8	3.1	(s)	0.3	0.0	8.2	0.0	2.9	0.0	^R (s)	78.7	^R 180.8	^R 166.2	^R 347.0
2012	0.8	78.5	4.4	2.6	(s)	0.3	0.0	7.3	(s)	2.6	0.0	^R (s)	79.3	^R 168.5	^R 164.7	^R 333.2
2013	0.9	102.1	3.6	3.2	(s)	0.3	0.0	7.1	0.0	3.2	0.0	0.1	80.7	^R 194.1	^R 169.3	^R 363.4
2014	0.7	111.0	4.0	3.5	(s)	0.3	0.0	7.9	0.0	3.3	0.0	^R 0.1	81.1	^R 204.0	^R 165.5	^R 369.5
2015	0.5	94.4	4.1	3.4	(s)	5.8	0.0	13.3	0.0	4.7	0.0	^R 0.1	80.2	^R 193.3	^R 160.4	^R 353.6
2016	0.6	92.7	4.1	3.3	(s)	5.9	0.0	13.3	0.0	4.9	0.0	^R (s)	81.5	^R 193.0	^R 157.5	^R 350.5
2017	0.5	94.1	4.5	3.9	(s)	5.9	0.0	14.4	0.0	5.1	0.0	^R 0.1	80.7	^R 194.8	^R 159.0	^R 353.8
2018	0.5	104.8	3.7	5.5	(s)	6.0	0.0	15.2	0.0	5.0	0.0	^R 0.1	82.2	^R 208.0	^R 158.2	^R 366.1
2019	0.5	106.6	3.6	5.2	(s)	6.0	0.0	14.8	0.0	4.8	0.0	^R 0.1	80.3	^R 207.3	^R 143.9	^R 351.2
2020	0.4	96.4	2.6	5.6	(s)	6.0	0.0	14.2	0.0	4.9	0.0	^R 0.2	76.6	^R 192.7	^R 132.6	^R 325.3
2021	0.0	105.8	3.8	5.9	(s)	6.1	0.0	15.7	0.0	4.7	0.0	^R 0.3	79.4	^R 206.0	^R 140.4	^R 346.4
2022	0.0	122.5	4.0	5.5	(s)	6.2	0.0	15.8	0.0	4.8	0.0	0.3	79.9	223.5	140.0	363.5

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, assumed to be propane only.

^c 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.

^d Includes small amounts of petroleum coke not shown separately.

^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^j 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.

^k 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. <http://www.eia.gov/state/seds/>

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Electricity ^j	End use ^{f,k}	Electrical system energy losses ^l	Total ^{f,k}
			Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total		Wood and waste ^{f,g}	Losses and co-products ^h						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kWh				Million kWh				
1960	4,710	30	6,950	1,088	2,774	3,416	5,358	19,585	338	--	--	--	NA	4,230	--	--	
1965	5,789	82	7,654	866	2,541	2,371	4,926	18,358	306	--	--	--	NA	6,153	--	--	
1970	5,147	141	7,917	1,009	2,471	1,554	7,555	20,506	306	--	--	--	NA	8,570	--	--	
1975	2,439	152	7,150	1,996	2,027	1,105	5,430	17,708	318	--	--	--	NA	10,823	--	--	
1980	2,364	130	3,589	2,444	1,633	1,439	4,993	14,097	258	--	--	--	NA	13,290	--	--	
1985	2,132	115	3,192	1,611	1,137	158	3,457	9,556	258	--	--	--	NA	17,195	--	--	
1990	1,960	122	4,178	1,619	780	891	5,725	13,193	201	--	--	--	(s)	19,405	--	--	
1995	1,949	146	4,111	2,089	934	699	6,740	14,573	266	--	--	--	(s)	23,690	--	--	
2000	1,693	152	8,360	3,322	780	921	9,218	22,612	227	--	--	--	(s)	26,162	--	--	
2005	1,695	131	5,646	3,549	1,710	1,071	8,997	20,973	203	--	--	--	(s)	25,376	--	--	
2006	1,758	118	5,570	3,379	1,938	639	8,650	20,176	204	--	--	--	0	25,286	--	--	
2007	1,762	121	5,670	3,234	1,677	740	8,033	19,354	179	--	--	--	0	25,436	--	--	
2008	1,682	128	5,317	1,217	958	715	7,296	15,503	163	--	--	--	0	24,672	--	--	
2009	1,519	120	3,724	1,459	990	244	6,262	12,680	113	--	--	--	0	22,390	--	--	
2010	1,572	121	3,674	1,337	1,042	106	6,889	13,048	135	--	--	--	0	23,452	--	--	
2011	1,541	127	3,828	1,529	1,067	121	7,077	13,622	153	--	--	--	0	23,407	--	--	
2012	1,388	124	3,952	1,521	1,011	101	6,426	13,011	117	--	--	--	0	23,561	--	--	
2013	1,403	136	4,353	1,864	1,018	68	7,253	14,556	155	--	--	--	0	23,370	--	--	
2014	1,452	142	4,530	2,158	756	50	7,367	14,861	158	--	--	--	0	23,812	--	--	
2015	1,214	137	4,392	2,147	1,029	81	6,608	14,258	163	--	--	--	(s)	23,970	--	--	
2016	881	145	4,106	1,700	1,011	142	R 6,389	R 13,348	176	--	--	--	5	24,038	--	--	
2017	915	155	4,418	1,272	1,019	167	R 6,928	R 13,803	168	--	--	--	11	24,205	--	--	
2018	900	165	4,376	1,705	1,042	170	R 6,219	R 13,512	141	--	--	--	14	24,425	--	--	
2019	812	163	4,449	1,655	1,031	140	R 5,604	R 12,879	114	--	--	--	17	23,615	--	--	
2020	588	154	4,149	1,342	1,037	150	R 5,554	R 12,232	127	--	--	--	21	22,164	--	--	
2021	524	R 150	4,306	1,450	999	163	R 5,949	R 12,867	122	--	--	--	24	23,296	--	--	
2022	456	150	4,352	1,435	1,061	167	5,598	12,613	97	--	--	--	27	23,560	--	--	
Trillion Btu																	
1960	116.6	30.8	40.5	4.1	14.6	21.5	33.3	114.0	R 1.2	19.3	NA	NA	NA	14.4	R 296.2	R 29.1	R 325.3
1965	142.4	83.0	44.6	3.3	13.3	14.9	30.6	106.7	R 1.0	24.2	NA	NA	NA	21.0	R 378.4	R 41.3	R 419.7
1970	119.6	143.6	46.1	3.7	13.0	9.8	47.5	120.1	R 1.0	26.1	NA	NA	NA	29.2	R 439.6	R 59.9	R 499.5
1975	54.7	155.5	41.6	7.1	10.6	6.9	33.9	100.2	R 1.1	32.9	NA	NA	NA	36.9	R 381.4	R 75.4	R 456.8
1980	54.6	130.6	20.9	8.6	8.6	9.0	31.4	78.5	R 0.9	142.1	NA	NA	NA	45.3	R 452.0	R 96.5	R 548.4
1985	49.7	116.4	18.6	5.5	6.0	1.0	21.4	52.4	R 0.9	166.5	0.0	NA	NA	58.7	R 444.6	R 119.2	R 563.8
1990	47.3	122.6	24.3	5.6	4.1	5.6	36.3	75.9	R 0.7	61.3	0.0	0.0	(s)	66.2	R 374.1	R 152.7	R 526.7
1995	47.2	147.7	23.9	7.2	4.9	4.4	42.7	83.1	R 0.9	72.0	0.3	0.0	(s)	80.8	R 431.9	R 184.4	R 616.3
2000	40.1	153.4	48.6	11.4	4.1	5.8	58.2	128.1	R 0.8	80.0	0.2	0.0	(s)	89.3	R 491.9	R 212.7	R 704.7
2005	39.1	132.3	32.8	12.2	8.9	6.7	57.4	118.0	R 0.7	65.9	10.0	0.0	(s)	86.6	R 452.7	R 211.6	R 664.3
2006	39.9	119.7	32.3	11.6	10.0	4.0	55.0	113.0	R 0.7	62.8	12.1	0.0	0.0	86.3	R 434.4	R 196.4	R 630.8
2007	40.1	122.8	32.8	11.0	8.6	4.7	50.9	108.0	R 0.6	54.7	16.1	0.0	0.0	86.8	R 429.0	R 199.3	R 628.3
2008	38.3	129.6	30.7	4.1	4.9	4.5	46.1	90.3	R 0.6	52.1	24.9	0.0	0.0	84.2	R 420.0	R 189.3	R 609.3
2009	34.2	121.4	21.5	4.8	5.0	1.5	39.6	72.5	R 0.4	49.1	25.4	0.0	0.0	76.4	R 379.4	R 167.1	R 546.6
2010	35.1	122.6	21.2	5.1	5.3	0.7	43.8	76.1	R 0.5	68.2	26.7	0.0	0.0	80.0	R 409.2	R 174.1	R 583.3
2011	34.2	128.7	22.1	5.9	5.4	0.8	45.1	79.2	R 0.5	62.9	28.1	0.0	0.0	79.9	R 413.5	R 168.7	R 582.2
2012	31.2	126.8	22.8	5.8	5.1	0.6	40.9	75.3	R 0.4	61.8	27.0	0.0	0.0	80.4	R 402.9	R 167.0	R 569.9
2013	31.4	139.7	25.1	7.2	5.2	0.4	45.5	83.3	R 0.5	61.6	26.4	0.0	0.0	79.7	R 422.8	R 167.2	R 590.0
2014	32.3	146.9	26.1	8.3	3.8	0.3	46.4	84.9	R 0.5	56.3	29.3	0.0	0.0	81.2	R 431.4	R 165.9	R 597.3
2015	27.1	143.1	25.3	8.2	5.2	0.5	41.5	80.8	R 0.6	55.3	30.1	0.0	(s)	81.8	R 418.8	R 163.5	R 582.3
2016	18.8	151.4	23.6	6.5	5.1	0.9	40.5	76.7	R 0.6	56.9	30.9	0.0	(s)	82.0	R 417.3	R 158.5	R 575.8
2017	19.7	161.1	25.4	4.9	5.1	1.0	43.6	80.1	R 0.6	55.3	31.9	0.0	R (s)	82.6	R 431.4	R 162.8	R 594.2
2018	19.6	172.5	25.2	6.6	5.3	1.1	R 39.1	R 77.2	R 0.5	55.9	33.6	0.0	R (s)	83.3	R 442.8	R 160.3	R 603.1
2019	17.3	170.7	25.6	6.4	5.2	0.9	R 35.1	73.2	R 0.4	53.1	33.3	0.0	R 0.1	80.6	R 428.6	R 144.3	R 572.9
2020	12.6	R 161.2	23.9	5.2	5.2	0.9	R 35.0	R 70.2	R 0.4	49.7	24.3	0.0	R 0.1	75.6	R 394.1	R 131.0	R 525.1
2021	11.3	R 157.1	24.8	5.6	5.0	1.0	R 37.6	R 74.1	R 0.4	45.1	27.8	0.0	R 0.1	79.5	R 395.4	R 140.6	R 536.0
2022	10.0	157.8	25.1	5.5	5.4	1.1	35.1	72.2	0.3	45.4	28.1	0.0	0.1	80.4	394.3	140.8	535.1

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c 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.

^d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h Losses and co-products from the production of biodiesel and fuel ethanol.

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 industrial 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.

kWh = Kilowatthours. --- = 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 industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · 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. <http://www.eia.gov/state/seds/>

W I S C O N S I N Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum								Electricity ^f	End use ^{g,h}	Electrical system energy losses ⁱ	Total ^{g,h}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	81	1	427	1,773	23	245	527	30,056	378	33,430	0	--	--	--
1965	19	2	636	2,148	36	629	493	33,446	378	37,765	0	--	--	--
1970	8	7	332	4,179	74	1,603	552	42,956	6	49,703	0	--	--	--
1975	(s)	5	173	6,064	93	2,169	497	49,469	285	58,751	0	--	--	--
1980	0	8	124	8,570	84	2,397	523	47,897	235	59,829	0	--	--	--
1985	0	3	102	9,749	184	1,663	476	45,136	138	57,447	0	--	--	--
1990	0	4	122	12,388	118	1,424	535	47,890	2	62,478	0	--	--	--
1995	0	4	374	14,524	123	2,044	511	54,068	22	71,666	(s)	--	--	--
2000	0	4	112	16,286	45	3,139	545	57,334	7	77,468	(s)	--	--	--
2005	0	4	83	17,500	172	2,858	460	59,571	101	80,745	0	--	--	--
2006	0	3	71	19,311	176	2,748	448	58,533	131	81,418	0	--	--	--
2007	0	3	61	19,125	160	2,227	463	60,542	35	82,614	0	--	--	--
2008	0	3	64	18,611	237	2,638	430	59,198	6	81,184	0	--	--	--
2009	0	2	44	17,271	167	2,493	386	59,506	0	79,866	0	--	--	--
2010	0	3	54	18,278	25	2,864	458	60,540	0	82,219	0	--	--	--
2011	0	3	59	17,962	28	2,747	429	58,297	0	79,522	0	--	--	--
2012	0	2	57	18,770	25	2,203	406	57,979	0	79,439	0	--	--	--
2013	0	3	52	18,251	32	2,216	413	57,772	0	78,736	0	--	--	--
2014	0	4	60	20,240	35	2,208	454	61,163	0	84,160	0	--	--	--
2015	0	4	62	20,027	49	2,274	487	60,349	0	83,248	(s)	--	--	--
2016	0	4	60	19,307	60	2,363	R 453	60,540	0	R 82,784	(s)	--	--	--
2017	0	4	59	18,734	155	2,478	R 407	59,799	0	R 81,632	(s)	--	--	--
2018	0	4	64	20,972	144	2,622	R 413	62,075	3	R 86,293	(s)	--	--	--
2019	0	5	66	20,995	119	2,827	R 391	60,851	6	R 85,255	1	--	--	--
2020	0	4	56	20,331	105	1,763	R 350	53,478	9	R 76,092	1	--	--	--
2021	0	4	63	R 20,581	67	2,046	R 372	58,416	3	R 81,919	1	--	--	--
2022	0	4	66	20,877	81	2,014	400	59,100	3	82,919	1	--	--	--
Trillion Btu														
1960	2.0	0.6	2.2	10.3	0.1	1.3	3.2	157.9	2.4	177.4	0.0	179.9	0.0	179.9
1965	0.5	1.6	3.2	12.5	0.1	3.5	3.0	175.7	2.4	200.4	0.0	202.5	0.0	202.5
1970	0.2	6.7	1.7	24.3	0.3	9.0	3.3	225.7	(s)	264.4	0.0	271.3	0.0	271.3
1975	(s)	5.1	0.9	35.3	0.4	12.3	3.0	259.9	1.8	313.5	0.0	318.6	0.0	318.6
1980	0.0	8.3	0.6	49.9	0.3	13.5	3.2	251.6	1.5	320.6	0.0	328.9	0.0	328.9
1985	0.0	2.8	0.5	56.8	0.7	9.3	2.9	237.1	0.9	308.2	0.0	311.1	0.0	311.1
1990	0.0	4.4	0.6	72.2	0.5	8.0	3.2	251.6	(s)	336.0	0.0	341.2	0.0	341.2
1995	0.0	4.3	1.9	84.5	0.5	11.6	3.1	281.4	0.1	383.1	(s)	387.4	(s)	387.4
2000	0.0	4.3	0.6	94.8	0.2	17.8	3.3	298.2	(s)	414.8	(s)	419.1	(s)	419.1
2005	0.0	3.8	0.4	101.8	0.7	16.2	2.8	309.3	0.6	431.8	0.0	435.9	0.0	435.9
2006	0.0	3.2	0.4	112.1	0.7	15.6	2.7	303.5	0.8	435.7	0.0	439.6	0.0	439.6
2007	0.0	3.0	0.3	110.6	0.6	12.6	2.8	311.3	0.2	438.5	0.0	442.4	0.0	442.4
2008	0.0	2.7	0.3	107.6	0.9	15.0	2.6	302.3	(s)	428.7	0.0	432.2	0.0	432.2
2009	0.0	1.7	0.2	99.8	0.6	14.1	2.3	302.9	0.0	420.0	0.0	421.7	0.0	421.7
2010	0.0	3.1	0.3	105.6	0.1	16.2	2.8	306.8	0.0	431.7	0.0	434.8	0.0	434.8
2011	0.0	2.7	0.3	103.6	0.1	15.6	2.6	295.2	0.0	417.4	0.0	420.1	0.0	420.1
2012	0.0	1.9	0.3	108.2	0.1	12.5	2.5	293.5	0.0	417.1	0.0	418.9	0.0	418.9
2013	0.0	3.0	0.3	105.2	0.1	12.6	2.5	292.3	0.0	413.0	0.0	415.9	0.0	415.9
2014	0.0	4.0	0.3	116.6	0.1	12.5	2.8	309.4	0.0	441.8	0.0	445.7	0.0	445.7
2015	0.0	3.7	0.3	115.4	0.2	12.9	3.0	305.2	0.0	436.9	(s)	440.6	(s)	440.6
2016	0.0	3.9	0.3	111.2	0.2	13.4	2.7	306.0	0.0	R 433.9	(s)	437.7	(s)	437.7
2017	0.0	4.2	0.3	107.9	0.6	14.0	2.5	302.2	0.0	427.4	(s)	431.6	(s)	431.6
2018	0.0	4.6	0.3	120.8	0.6	14.9	2.5	313.7	(s)	452.8	(s)	R 457.4	(s)	R 457.4
2019	0.0	4.8	0.3	120.9	0.5	16.0	2.4	307.4	(s)	R 447.6	(s)	452.4	(s)	452.4
2020	0.0	4.4	0.3	117.0	0.4	10.0	2.1	270.2	0.1	R 400.1	(s)	404.4	(s)	404.4
2021	0.0	4.3	0.3	R 118.6	0.3	11.6	R 2.3	295.0	(s)	R 430.1	(s)	R 434.4	(s)	R 434.4
2022	0.0	4.6	0.3	120.4	0.3	11.4	2.4	298.4	(s)	435.3	(s)	439.9	(s)	439.9

^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 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.

^g There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

ⁱ 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. <http://www.eia.gov/state/seds/>

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal	Natural gas ^a	Petroleum				Nuclear electric power	Hydroelectric power ^d	Biomass	Geothermal ^f	Solar ^{f,g}	Wind ^f	Electricity net imports ^h	Total ^{f,i}
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total			Wood and waste ^{e,f}					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	5,195	2	5	0	45	50	0	2,061	--	0	NA	NA	0	--
1965	6,697	14	6	0	53	59	0	1,825	--	0	NA	NA	0	--
1970	10,450	31	124	240	1,132	1,497	157	1,597	--	0	NA	NA	0	--
1975	9,716	20	578	37	548	1,163	10,293	1,719	--	0	NA	NA	0	--
1980	13,229	14	499	9	68	576	9,911	1,857	--	0	NA	NA	0	--
1985	15,876	1	251	24	0	274	10,979	2,288	--	0	0	(s)	0	--
1990	18,158	3	114	0	0	114	11,226	1,802	--	0	0	(s)	0	--
1995	21,072	10	194	144	0	337	10,970	2,109	--	0	0	0	0	--
2000	24,072	21	284	192	2	478	11,512	1,754	--	0	0	3	0	--
2005	24,615	59	286	844	0	1,130	9,921	1,530	--	0	0	93	(s)	--
2006	23,702	44	246	1,273	0	1,519	12,234	1,475	--	0	0	101	(s)	--
2007	23,780	54	299	1,360	0	1,660	12,910	1,336	--	0	0	109	(s)	--
2008	24,725	41	164	1,299	0	1,463	12,155	1,453	--	0	0	487	(s)	--
2009	22,199	41	94	972	0	1,066	12,683	1,281	--	0	0	1,052	0	--
2010	23,833	43	86	993	0	1,080	13,281	1,976	--	0	0	1,088	0	--
2011	22,812	48	84	759	0	843	11,560	1,994	--	0	0	1,188	0	--
2012	19,283	87	100	157	0	257	14,300	1,411	--	0	0	1,558	0	--
2013	23,674	61	71	155	0	226	11,675	1,824	--	0	0	1,558	0	--
2014	21,235	60	124	224	0	348	9,447	2,314	--	0	1	1,611	0	--
2015	21,559	101	67	182	0	249	10,008	2,178	--	0	1	1,582	0	--
2016	18,972	120	70	213	0	283	10,151	2,619	--	0	3	1,508	0	--
2017	20,918	107	73	293	0	366	9,649	2,489	--	0	21	1,633	0	--
2018	19,480	129	82	276	0	358	10,129	2,251	--	0	35	1,611	0	--
2019	14,694	148	114	247	0	361	10,030	2,527	--	0	36	1,849	0	--
2020	13,239	160	52	235	0	286	9,771	2,661	--	0	90	1,735	0	--
2021	15,408	150	461	366	0	827	9,970	2,023	--	0	363	1,566	0	--
2022	12,456	174	68	345	0	413	10,077	1,894	--	0	807	1,784	0	--

Trillion Btu

1960	125.8	2.1	(s)	0.0	0.3	0.3	0.0	R 7.0	0.0	0.0	NA	NA	0.0	R 135.2
1965	161.0	14.7	(s)	0.0	0.3	0.4	0.0	R 6.2	(s)	0.0	NA	NA	0.0	R 182.3
1970	234.6	31.2	0.7	1.4	7.1	9.3	1.7	R 5.5	0.1	0.0	NA	NA	0.0	R 282.3
1975	206.3	20.3	3.4	0.2	3.4	7.0	113.4	R 5.9	0.0	0.0	NA	NA	0.0	R 352.8
1980	271.5	13.8	2.9	0.1	0.4	3.4	108.1	R 6.3	0.6	0.0	NA	NA	0.0	R 403.8
1985	310.3	1.3	1.5	0.1	0.0	1.6	116.6	R 7.8	0.9	0.0	0.0	(s)	0.0	R 438.6
1990	347.0	2.7	0.7	0.0	0.0	0.7	118.8	R 6.1	3.4	0.0	0.0	(s)	0.0	R 478.8
1995	391.2	10.1	1.1	0.9	0.0	2.0	115.3	R 7.2	4.9	0.0	0.0	0.0	0.0	R 530.6
2000	454.6	21.5	1.6	1.2	(s)	2.8	120.1	R 6.0	5.2	0.0	0.0	(s)	0.0	R 610.2
2005	475.5	59.2	1.7	4.8	0.0	6.5	103.5	R 5.2	6.7	0.0	0.0	R 0.3	(s)	R 657.0
2006	422.1	44.5	1.4	7.3	0.0	8.7	127.7	R 5.0	8.1	0.0	0.0	R 0.3	(s)	R 616.5
2007	423.6	55.1	1.7	7.8	0.0	9.5	135.4	R 4.6	8.8	0.0	0.0	R 0.4	(s)	R 637.4
2008	437.5	41.7	0.9	7.4	0.0	8.4	127.0	R 5.0	9.2	0.0	0.0	R 1.7	(s)	R 630.5
2009	388.8	41.6	0.5	5.6	0.0	6.1	132.7	R 4.4	9.8	0.0	0.0	R 3.6	0.0	R 587.0
2010	420.3	43.1	0.5	5.7	0.0	6.2	138.8	R 6.7	10.7	0.0	0.0	R 3.7	0.0	R 629.6
2011	410.5	48.3	0.5	4.3	0.0	4.8	121.0	R 6.8	14.8	0.0	0.0	R 4.1	0.0	R 610.2
2012	341.2	88.4	0.6	0.9	0.0	1.5	149.8	R 4.8	15.8	0.0	0.0	R 5.3	0.0	R 606.8
2013	422.2	62.3	0.4	0.9	0.0	1.3	122.0	R 6.2	15.0	0.0	0.0	R 5.3	0.0	R 634.4
2014	384.1	61.6	0.7	1.3	0.0	2.0	98.8	R 7.9	17.6	0.0	(s)	R 5.5	0.0	R 577.5
2015	380.6	103.0	0.4	1.0	0.0	1.4	104.7	R 7.4	17.4	0.0	(s)	R 5.4	0.0	R 619.9
2016	338.0	121.8	0.4	1.2	0.0	1.6	106.2	R 8.9	14.3	0.0	(s)	R 5.1	0.0	R 596.0
2017	368.3	109.2	0.4	1.7	0.0	2.1	100.9	R 8.5	14.5	0.0	R 0.1	R 5.6	0.0	R 609.2
2018	342.0	131.8	0.5	1.6	0.0	2.1	105.9	R 7.7	13.6	0.0	R 0.1	R 5.5	0.0	R 608.6
2019	262.3	151.3	0.7	1.4	0.0	2.1	104.7	R 8.6	14.1	0.0	R 0.1	R 6.3	0.0	R 549.5
2020	236.3	164.7	0.3	1.3	0.0	1.6	102.1	R 9.1	12.6	0.0	R 0.3	R 5.9	0.0	R 532.7
2021	275.5	155.0	2.7	2.1	0.0	4.7	R 104.0	R 6.9	13.2	0.0	R 1.2	R 5.3	0.0	R 565.8
2022	222.5	180.2	0.4	2.0	0.0	2.4	105.1	6.5	14.7	0.0	2.8	6.1	0.0	540.2

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.^c Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.^d Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.^e Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^g Solar thermal and photovoltaic energy.^h Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.ⁱ 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 the total.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: · Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · 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. <http://www.eia.gov/state/seds/>