

**W I S C O N S I N** Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Wisconsin

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum							Hydro-electric power <sup>g,h</sup> Million kilowatt-hours	Biomass			Solar <sup>h,k</sup>	Electricity <sup>l</sup> Million kilowatt-hours	End use <sup>h,m</sup>	Electrical system energy losses <sup>n</sup>	Total <sup>h,m</sup>
			Distillate fuel oil <sup>b</sup>	HGL <sup>c</sup>	Jet fuel <sup>d</sup>	Motor gasoline <sup>e</sup>	Residual fuel oil	Other <sup>f</sup>	Total		Wood and waste <sup>h,i</sup>	Losses and co-products <sup>j</sup>	Geo-thermal <sup>h</sup>					
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 6,974	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	R 407.1	R 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

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> 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.  
<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<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 "Other petroleum."  
<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.  
<sup>h</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.  
<sup>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.  
<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>m</sup> 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.  
<sup>n</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. 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/>