

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2020, Wisconsin

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum						Hydro-electric Power ^{e,f} Million kWh	Biomass		Geo-thermal ^f Million kWh	Solar ^{f,i} Million kWh	Electricity Retail Sales	Net Energy ^{f,j}	Electrical System Energy Losses ^k	Total ^{f,j}
			Distillate Fuel Oil	HGL ^b	Motor Gasoline ^c	Residual Fuel Oil	Other ^d	Total		Wood and Waste ^g	Losses and Co-products ^h						
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	3,332	780	921	9,218	22,612	227	---	---	---	(s)	26,162	---	---	---
2001	1,651	133	9,726	2,662	1,186	714	8,797	23,085	152	---	---	---	(s)	25,370	---	---	---
2002	1,716	138	8,941	3,462	1,285	679	8,315	22,681	218	---	---	---	(s)	25,534	---	---	---
2003	1,723	138	5,190	2,428	1,323	535	9,488	18,964	185	---	---	---	(s)	25,821	---	---	---
2004	1,766	141	5,578	3,579	1,679	901	9,175	20,912	195	---	---	---	(s)	27,435	---	---	---
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	R 1,337	1,042	106	6,889	R 13,049	135	---	---	---	0	23,452	---	---	---
2011	1,541	127	3,828	R 1,530	1,067	121	7,077	R 13,623	153	---	---	---	0	23,407	---	---	---
2012	1,388	124	3,952	R 1,522	1,011	101	6,426	R 13,012	117	---	---	---	0	23,561	---	---	---
2013	1,403	136	4,353	R 1,868	1,018	68	R 7,253	R 14,560	155	---	---	---	0	23,370	---	---	---
2014	1,452	142	4,530	R 2,165	756	50	R 7,367	R 14,868	158	---	---	---	0	23,812	---	---	---
2015	1,214	137	4,392	R 2,159	1,029	81	R 6,608	R 14,269	163	---	---	---	(s)	23,970	---	---	---
2016	881	145	4,106	R 1,716	1,011	142	R 6,386	R 13,360	176	---	---	---	5	24,038	---	---	---
2017	915	155	4,418	R 1,312	1,019	167	R 6,933	R 13,849	168	---	---	---	11	24,205	---	---	---
2018	900	165	4,376	R 1,747	1,042	170	R 6,241	R 13,576	141	---	---	---	14	24,425	---	---	---
2019	812	163	4,449	R 1,691	1,031	140	R 5,618	R 12,929	114	---	---	---	17	23,615	---	---	---
2020	588	154	4,149	1,391	1,037	150	5,560	12,287	127	---	---	---	21	22,164	---	---	---

Trillion Btu																	
1960	116.6	30.8	40.5	4.1	14.6	21.5	33.3	114.0	3.6	19.3	NA	NA	NA	14.4	298.7	35.7	334.4
1965	142.4	83.0	44.6	3.3	13.3	14.9	30.6	106.7	3.2	24.2	NA	NA	NA	21.0	380.6	50.1	430.7
1970	119.6	143.6	46.1	3.7	13.0	9.8	47.5	120.1	3.2	26.1	NA	NA	NA	29.2	441.8	70.7	512.5
1975	54.7	155.5	41.6	7.1	10.6	6.9	33.9	100.2	3.3	32.9	NA	NA	NA	36.9	383.6	88.6	472.2
1980	54.6	130.6	20.9	8.6	8.6	9.0	31.4	78.5	2.7	142.1	NA	NA	NA	45.3	453.8	108.9	562.7
1985	49.7	116.4	18.6	5.5	6.0	1.0	21.4	52.4	2.7	166.5	0.0	NA	NA	58.7	446.4	134.4	580.8
1990	47.3	122.6	24.3	5.6	4.1	5.6	36.3	75.9	2.1	61.3	0.0	0.0	(s)	66.2	375.5	158.9	534.4
1995	47.2	147.7	23.9	7.2	4.9	4.4	42.7	83.1	2.7	72.0	0.3	0.0	(s)	80.8	433.7	192.3	626.0
2000	40.1	153.4	48.6	11.4	4.1	5.8	58.2	128.1	2.3	80.0	0.2	0.0	(s)	89.3	493.5	219.0	712.5
2001	38.9	134.1	56.6	9.1	6.2	4.5	56.1	132.5	1.6	85.8	0.2	0.0	(s)	86.6	479.6	210.7	690.4
2002	40.2	138.9	52.0	11.9	6.7	4.3	52.7	127.5	2.2	58.0	1.3	0.0	(s)	87.1	455.3	218.8	674.0
2003	40.0	138.9	30.2	8.4	6.9	3.4	60.7	109.5	1.9	69.5	4.6	0.0	(s)	88.1	452.4	211.0	663.5
2004	40.9	142.2	32.5	12.3	8.7	5.7	58.7	117.8	2.0	54.6	6.3	0.0	(s)	93.6	457.4	230.1	687.5
2005	39.1	132.3	32.8	12.2	8.9	6.7	57.4	118.0	2.0	65.9	10.0	0.0	(s)	86.6	454.0	217.7	671.7
2006	39.9	119.7	32.3	11.6	10.0	4.0	55.0	113.0	2.0	62.8	12.1	0.0	0.0	86.3	435.7	202.3	638.0
2007	40.1	122.8	32.8	11.0	8.6	4.7	50.9	108.0	1.8	54.7	16.1	0.0	0.0	86.8	430.2	205.1	635.3
2008	38.3	129.6	30.7	4.1	4.9	4.5	46.1	90.3	1.6	52.1	24.9	0.0	0.0	84.2	421.1	196.1	617.2
2009	34.2	121.4	21.5	4.8	5.0	1.5	39.6	72.5	1.1	49.1	25.4	0.0	0.0	76.4	380.1	174.3	554.5
2010	35.1	122.6	21.2	R 5.1	5.3	0.7	43.8	76.1	1.3	68.2	26.7	0.0	0.0	80.0	R 410.1	182.7	592.7
2011	34.2	128.7	22.1	R 5.9	5.4	0.8	45.1	79.2	1.5	62.9	28.1	0.0	0.0	79.9	R 414.5	178.6	R 593.1
2012	31.2	126.8	22.8	R 5.8	5.1	0.6	40.9	R 75.3	1.1	61.8	27.0	0.0	0.0	80.4	R 403.6	176.3	R 579.9
2013	31.4	139.7	25.1	R 7.2	5.2	0.4	45.5	83.3	1.5	61.6	R 26.4	0.0	0.0	79.7	R 423.8	176.7	R 600.4
2014	32.3	146.9	26.1	8.3	3.8	0.3	46.4	R 84.9	1.5	56.3	R 29.3	0.0	0.0	81.2	R 432.5	178.0	R 610.5
2015	27.1	143.1	25.3	8.3	5.2	0.5	R 41.5	R 80.8	1.5	55.3	R 30.9	0.0	(s)	81.8	R 419.9	173.4	R 593.2
2016	18.8	151.4	23.6	6.6	5.1	0.9	R 40.5	R 76.7	1.6	56.9	R 30.9	0.0	(s)	82.0	R 418.4	170.1	R 588.5
2017	19.7	161.1	25.4	R 5.0	5.1	1.0	R 43.6	R 82.3	1.5	55.3	R 31.9	0.0	0.1	82.6	R 432.7	174.6	R 607.2
2018	19.6	172.5	25.2	R 6.7	5.3	1.1	R 39.3	R 77.5	1.3	55.9	R 33.6	0.0	0.1	83.3	R 444.0	171.7	R 615.7
2019	17.3	170.7	25.6	R 6.5	5.2	0.9	R 35.2	R 73.4	1.0	53.1	R 33.3	0.0	0.2	80.6	R 429.6	155.8	R 585.4
2020	12.6	161.2	23.9	5.3	5.2	0.9	35.0	70.4	1.1	49.7	24.3	0.0	0.2	75.6	395.2	142.7	537.9

^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 pumped-storage hydroelectricity, 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 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 industrial 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.
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>.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.