

**Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2021, Ohio**

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum						Hydro-electric Power <sup>e,i</sup> Million kWh	Biomass		Geo-thermal <sup>f</sup>	Solar <sup>f,i</sup> Million kWh	Electricity <sup>j</sup> Million kWh	End Use <sup>f,k</sup>	Electrical System Energy Losses <sup>j</sup>	Total <sup>f,k</sup>
			Distillate Fuel Oil	HGL <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total		Wood and Waste <sup>f,g</sup>	Losses and Co-products <sup>h</sup>						
1960	25,835	218	7,112	1,585	3,354	9,082	19,969	41,102	12	---	---	---	NA	39,246	---	---	---
1965	26,758	327	8,479	2,649	2,598	8,228	25,751	47,705	1	---	---	---	NA	41,757	---	---	---
1970	29,875	376	11,429	3,999	1,926	4,166	29,198	50,718	0	---	---	---	NA	45,827	---	---	---
1975	22,307	345	11,150	3,993	1,519	7,038	27,794	51,495	0	---	---	---	NA	55,597	---	---	---
1980	15,821	321	12,591	41,031	1,154	5,678	26,952	87,405	0	---	---	---	NA	55,283	---	---	---
1985	10,420	253	6,944	23,612	1,074	2,098	20,208	53,936	0	---	---	---	NA	61,109	---	---	---
1990	9,703	284	5,973	5,689	973	1,493	26,497	40,626	0	---	---	---	(s)	69,682	---	---	---
1995	6,386	332	5,861	8,159	1,200	1,362	25,319	41,901	0	---	---	---	(s)	74,473	---	---	---
2000	4,296	340	4,868	4,206	707	1,485	29,421	40,687	0	---	---	---	(s)	74,019	---	---	---
2001	4,360	297	5,471	4,507	1,874	952	31,563	44,366	0	---	---	---	(s)	65,099	---	---	---
2002	3,336	307	5,451	7,021	1,976	852	30,090	45,390	0	---	---	---	(s)	58,472	---	---	---
2003	3,637	291	6,389	12,943	2,098	553	29,130	51,113	0	---	---	---	(s)	57,828	---	---	---
2004	3,573	303	6,576	4,776	2,408	648	27,980	42,388	0	---	---	---	(s)	58,558	---	---	---
2005	3,885	295	6,017	7,096	2,349	1,315	24,794	41,572	0	---	---	---	(s)	59,354	---	---	---
2006	4,303	287	5,941	6,564	2,440	1,346	26,514	42,805	0	---	---	---	(s)	55,869	---	---	---
2007	4,279	295	5,883	2,829	1,932	905	28,687	40,246	0	---	---	---	(s)	59,219	---	---	---
2008	4,249	284	6,229	1,276	1,276	1,250	29,028	39,429	0	---	---	---	(s)	59,621	---	---	---
2009	3,545	234	5,280	1,686	1,491	734	24,029	33,220	0	---	---	---	(s)	49,486	---	---	---
2010	4,589	270	6,029	3,302	1,403	653	21,165	32,552	0	---	---	---	(s)	53,109	---	---	---
2011	4,440	269	5,199	R 3,571	1,570	482	20,580	R 31,402	0	---	---	---	1	53,913	---	---	---
2012	4,921	265	6,021	R 3,342	1,570	197	21,279	R 32,409	0	---	---	---	R 4	53,379	---	---	---
2013	4,973	275	5,952	R 3,526	1,612	511	20,852	R 32,453	0	---	---	---	R 6	51,387	---	---	---
2014	5,035	308	6,486	R 3,760	1,005	352	19,847	R 31,452	0	---	---	---	7	50,829	---	---	---
2015	4,626	286	6,155	R 3,435	1,587	424	21,010	R 32,610	0	---	---	---	7	50,557	---	---	---
2016	4,019	289	5,893	R 3,371	1,570	611	22,066	R 33,511	0	---	---	---	7	50,291	---	---	---
2017	3,914	295	6,367	R 3,342	1,588	410	R 21,244	R 32,951	0	---	---	---	8	50,651	---	---	---
2018	4,028	330	6,473	R 3,144	1,621	379	R 20,984	R 32,600	0	---	---	---	9	51,236	---	---	---
2019	3,988	320	5,314	R 3,215	1,599	284	R 21,282	R 31,695	0	---	---	---	26	50,249	---	---	---
2020	3,277	304	6,362	R 3,362	1,609	342	R 19,883	R 31,557	0	---	---	---	29	46,823	---	---	---
2021	3,680	330	5,984	3,492	1,595	367	19,457	30,894	0	---	---	---	35	49,529	---	---	---

  

Trillion Btu																	
1960	664.3	226.1	41.4	6.0	17.6	57.1	123.6	245.7	0.1	16.5	NA	NA	NA	133.9	1,286.7	331.1	1,617.8
1965	681.5	338.3	49.4	10.0	13.6	51.7	156.4	281.2	(s)	22.1	NA	NA	NA	142.5	1,465.6	340.1	1,805.7
1970	738.5	384.8	66.6	14.6	10.1	26.2	177.4	294.9	0.0	25.2	NA	NA	NA	156.4	1,599.8	378.3	1,978.0
1975	556.5	352.8	64.9	14.1	8.0	44.2	169.9	301.2	0.0	26.6	NA	NA	NA	189.7	1,426.7	455.0	1,881.8
1980	404.7	326.0	73.3	144.7	6.1	35.7	163.1	422.9	0.0	57.7	NA	NA	NA	188.6	1,374.5	453.1	1,827.7
1985	265.7	264.4	40.4	80.8	5.6	13.2	124.4	264.5	0.0	67.6	3.1	NA	NA	208.5	1,065.0	477.6	1,542.6
1990	248.2	294.9	34.8	19.6	5.1	9.4	163.6	232.5	0.0	27.6	2.8	0.0	(s)	237.8	1,043.5	557.4	1,601.0
1995	162.9	344.5	34.1	28.2	6.2	8.6	156.5	233.7	0.0	45.5	1.7	0.0	(s)	254.1	1,042.0	602.1	1,644.1
2000	110.8	354.5	28.3	14.4	3.7	9.3	183.5	239.3	0.0	57.9	0.0	0.0	(s)	252.6	1,014.4	599.7	1,614.1
2001	114.0	309.1	31.8	15.4	9.7	6.0	195.7	258.7	0.0	25.8	0.0	0.0	(s)	222.1	929.3	509.1	1,438.4
2002	86.6	318.7	31.7	24.1	10.3	5.4	185.9	257.3	0.0	12.2	0.0	0.0	(s)	199.5	874.3	450.0	1,324.3
2003	94.8	301.9	37.2	44.6	9.9	3.5	179.8	276.0	0.0	20.5	0.0	0.0	(s)	197.3	890.2	450.9	1,341.0
2004	93.7	316.7	38.3	16.4	12.5	4.1	173.4	244.7	0.0	21.3	0.0	0.0	(s)	199.8	875.9	468.9	1,344.8
2005	100.1	307.7	35.0	24.4	12.2	8.3	154.7	234.5	0.0	21.8	0.1	0.0	(s)	202.5	866.4	467.6	1,334.0
2006	111.0	298.6	34.5	22.4	12.7	8.5	164.4	242.4	0.0	23.9	0.2	0.0	(s)	190.6	866.5	434.1	1,300.7
2007	110.5	305.8	34.0	9.6	9.9	5.7	175.5	234.7	0.0	24.3	0.2	0.0	(s)	202.1	877.3	452.1	1,329.5
2008	109.8	295.1	36.6	4.3	7.8	7.9	176.5	233.1	0.0	24.0	18.6	0.0	(s)	200.0	880.4	446.2	1,326.6
2009	91.3	243.2	30.5	5.6	7.6	4.6	145.4	193.7	0.0	23.1	14.5	0.0	(s)	168.8	734.4	378.7	1,113.1
2010	118.7	279.4	34.8	12.7	7.1	4.1	129.3	188.0	0.0	30.0	22.2	0.0	(s)	181.2	819.4	409.6	1,228.9
2011	114.7	277.2	30.0	13.7	7.9	3.0	125.7	180.4	0.0	30.4	25.6	0.0	(s)	184.0	812.2	408.8	R 1,221.0
2012	134.5	274.3	34.7	R 12.8	7.9	1.2	130.4	187.2	0.0	28.5	24.4	0.0	(s)	182.1	831.1	388.9	1,219.9
2013	137.2	285.6	34.3	R 13.5	8.2	3.2	126.1	185.3	0.0	29.5	25.5	0.0	0.1	175.3	R 838.6	R 368.7	R 1,207.4
2014	136.8	326.8	37.4	R 14.4	5.1	2.2	120.4	179.5	0.0	29.6	29.9	0.0	0.1	173.4	R 876.3	R 361.9	R 1,238.2
2015	129.2	306.1	35.5	13.2	8.0	2.7	128.0	R 187.3	0.0	28.5	30.3	0.0	0.1	172.5	R 854.2	R 353.2	R 1,207.4
2016	112.3	310.7	31.9	R 12.9	3.8	1.9	137.1	R 157.7	0.0	28.2	31.3	0.0	0.1	171.6	R 850.2	R 352.4	R 1,202.3
2017	110.2	317.0	36.7	R 12.8	8.0	2.6	131.1	191.2	0.0	21.7	32.6	0.0	0.1	172.8	R 848.0	R 346.6	R 1,194.6
2018	114.1	352.5	37.3	12.1	8.2	2.4	129.9	R 189.8	0.0	21.5	33.8	0.0	0.1	174.8	R 887.0	R 337.6	R 1,224.6
2019	113.5	341.1	30.6	R 12.3	8.1	1.8	R 131.5	R 184.3	0.0	21.7	33.2	0.0	0.2	171.5	R 866.0	R 316.3	R 1,182.4
2020	93.2	325.7	36.6	R 12.9	8.1	2.1	R 123.1	R 182.9	0.0	21.6	28.2	0.0	0.3	159.8	R 812.2	R 290.4	R 1,102.6
2021	104.9	354.1	34.5	13.4	8.1	2.3	120.4	178.6	0.0	20.1	30.9	0.0	0.3	169.0	858.0	305.5	1,163.4

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>c</sup> 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.  
<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.  
<sup>f</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>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> Losses and co-products from the production of biodiesel and fuel ethanol.  
<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.  
<sup>j</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>k</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 industrial utility-scale facilities.  
<sup>l</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.  
 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/>