

Table CT1. Energy Consumption Estimates for Selected Energy Sources in Physical Units, Selected Years, 1960-2021, Ohio

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum							Nuclear Electric Power Million Kilowatthours	Hydro-electric Power ^g Million Kilowatthours	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				
			Thousand Barrels										
1960	51,250	700	23,919	3,680	1,808	78,170	11,605	24,677	143,859	0	20	NA	NA
1965	54,022	880	27,663	5,441	3,075	86,271	10,963	32,953	166,366	22	11	NA	NA
1970	66,863	1,053	34,458	8,712	5,857	106,296	6,445	34,285	196,053	0	7	NA	NA
1971	64,537	1,087	35,209	8,988	6,448	108,167	5,254	32,461	196,527	0	9	NA	NA
1972	66,683	1,148	41,416	10,148	6,961	113,594	5,849	33,082	211,050	0	9	NA	NA
1973	68,942	1,104	41,933	10,292	6,967	119,261	7,119	35,553	221,125	0	8	NA	NA
1974	71,570	1,087	41,270	10,222	5,812	117,606	8,398	33,267	216,575	0	10	NA	NA
1975	70,764	957	42,168	9,910	6,039	118,808	10,399	32,074	219,398	0	7	NA	NA
1976	71,933	1,006	51,267	10,383	6,389	122,219	11,597	33,103	234,957	0	8	NA	NA
1977	73,227	847	52,239	10,507	6,882	126,130	15,251	34,879	245,888	468	6	NA	NA
1978	71,124	930	54,670	11,423	7,075	126,987	14,109	35,467	249,731	2,425	5	NA	NA
1979	72,252	898	45,290	11,423	6,815	121,618	11,316	34,068	265,742	3,163	4	NA	NA
1980	64,914	897	48,833	11,423	7,219	113,232	6,918	29,996	250,463	2,119	6	NA	NA
1981	65,595	870	45,122	39,689	5,745	110,193	5,846	24,505	231,100	4,407	6	27	NA
1982	58,953	814	40,393	40,793	5,485	105,904	2,444	23,669	218,689	3,226	5	218	NA
1983	55,301	747	33,347	41,043	5,821	107,106	4,093	24,219	215,628	4,904	135	1,137	NA
1984	57,049	785	36,219	29,239	6,832	109,043	2,800	25,519	209,652	4,312	164	1,111	NA
1985	57,979	733	36,629	27,919	7,204	108,763	2,322	23,216	206,053	1,943	175	1,300	NA
1986	59,324	717	35,989	14,652	9,924	111,933	2,313	23,955	198,766	24	172	1,769	NA
1987	59,350	715	34,796	15,912	10,800	116,091	2,079	27,873	207,551	7,513	225	2,171	NA
1988	61,096	805	37,704	11,025	9,218	117,072	2,814	26,063	203,896	8,455	187	2,387	NA
1989	61,016	814	39,333	13,213	10,405	114,574	2,300	30,217	210,044	12,661	130	2,769	NA
1990	59,205	747	37,580	10,994	10,602	110,487	1,656	29,009	200,328	10,664	181	2,531	NA
1991	58,578	766	35,433	11,120	10,400	109,920	1,338	26,483	194,695	14,833	154	2,665	NA
1992	58,671	810	37,525	14,638	10,631	108,696	1,606	29,856	202,953	14,805	253	3,317	NA
1993	59,031	834	38,817	15,065	10,650	114,756	2,136	26,881	208,304	10,011	190	4,692	NA
1994	57,503	842	40,548	15,234	11,678	113,178	2,018	28,478	211,134	10,952	192	5,499	NA
1995	56,580	890	40,203	14,273	11,236	116,222	1,422	27,783	211,140	16,768	232	5,147	NA
1996	59,835	933	44,036	16,019	11,960	115,361	1,684	32,313	221,373	13,919	397	2,030	NA
1997	58,821	898	47,075	11,105	12,610	118,336	1,246	34,722	225,093	15,331	507	3,675	NA
1998	60,514	811	45,775	8,687	13,838	119,932	916	34,338	223,486	16,476	406	5,404	NA
1999	57,600	842	47,989	12,929	16,457	120,902	1,221	37,551	237,048	16,422	423	5,537	NA
2000	60,246	891	48,814	11,961	18,655	121,297	1,510	31,677	233,915	16,781	583	5,650	NA
2001	58,424	804	49,465	9,779	18,579	121,450	1,034	33,661	233,968	15,464	511	4,966	11
2002	59,610	831	50,706	13,392	17,489	123,465	966	31,999	238,017	10,865	488	4,868	18
2003	61,064	848	52,304	20,632	17,685	124,282	571	31,076	246,550	8,475	511	4,497	15
2004	59,023	826	55,757	10,965	18,635	124,517	750	31,995	242,618	15,950	730	4,434	30
2005	63,826	826	53,578	13,308	18,615	124,698	1,424	28,670	240,292	14,803	516	5,435	101
2006	63,017	742	55,293	12,137	18,486	124,364	1,375	30,428	242,083	16,847	632	5,940	290
2007	63,873	806	57,859	9,022	18,145	124,107	909	32,114	242,156	15,764	410	7,413	393
2008	63,445	792	53,738	8,032	17,998	121,561	1,258	32,431	235,017	17,514	386	10,215	337
2009	54,859	741	48,204	8,956	12,744	120,531	735	27,305	218,475	15,206	528	11,415	357
2010	58,527	784	51,357	9,583	5,758	120,925	659	24,388	212,670	15,805	429	10,887	289
2011	52,773	824	51,835	9,706	5,545	117,629	488	23,773	208,976	14,890	384	11,096	984
2012	42,170	843	49,967	8,073	4,711	117,267	197	24,614	204,829	17,087	414	11,745	931
2013	45,742	912	50,938	8,860	4,698	118,669	511	24,478	208,154	16,121	549	12,223	1,512
2014	43,585	1,002	53,094	9,538	5,143	118,576	353	23,035	209,739	16,284	478	11,992	1,431
2015	35,226	966	52,446	8,649	5,584	120,958	430	24,485	212,552	17,377	457	11,408	1,251
2016	33,121	928	50,372	8,797	6,105	121,924	612	25,283	213,094	16,817	500	11,536	1,780
2017	32,438	948	51,132	8,849	5,459	121,855	410	R 24,117	211,821	17,688	277	11,699	1,528
2018	29,149	1,163	52,749	9,251	R 6,374	120,783	386	R 24,663	R 214,206	18,315	244	11,448	1,399
2019	23,583	1,184	51,407	10,220	R 5,700	119,595	308	R 23,768	R 210,998	17,011	403	11,563	R 1,090
2020	22,039	1,155	50,254	9,716	R 5,546	103,936	353	R 23,281	R 193,086	18,219	374	10,377	1,420
2021	22,710	1,211	49,925	10,050	7,149	111,848	378	23,276	202,626	17,483	578	11,242	1,178

^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 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/>

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, Ohio
(Trillion Btu)

Year	Fossil Fuels										Fossil Fuels (as commingled)			
	Coal	Natural Gas excluding Supplemental Gaseous Fuels ^a	Petroleum							Total	Total	Natural Gas including Supplemental Gaseous Fuels ^a	Distillate Fuel Oil including Biofuels ^a	Motor Gasoline including Fuel Ethanol ^a
			Distillate Fuel Oil excluding Biofuels ^a	HGL ^b	Jet Fuel ^c	Motor Gasoline excluding Fuel Ethanol ^a	Residual Fuel Oil	Other ^d	Total					
1960	1,269.2	724.8	139.3	14.0	9.8	410.6	73.0	149.9	796.7	2,790.7	724.8	139.3	410.6	
1965	1,324.4	909.4	161.1	20.8	17.0	453.2	68.9	196.5	917.5	3,151.3	909.4	161.1	453.2	
1970	1,571.4	1,077.2	200.7	32.7	32.8	558.4	40.5	206.3	1,071.4	3,720.0	1,077.2	200.7	558.4	
1971	1,490.5	1,112.1	205.1	33.7	36.2	568.2	33.0	195.6	1,071.7	3,674.3	1,112.1	205.1	568.2	
1972	1,561.0	1,174.2	241.2	38.0	39.1	596.7	36.8	199.9	1,151.7	3,887.0	1,174.2	241.2	596.7	
1973	1,622.8	1,131.8	244.3	38.4	39.2	626.5	44.8	215.9	1,209.0	3,963.5	1,131.8	244.3	626.5	
1974	1,642.1	1,114.9	240.4	38.0	32.6	617.8	52.8	201.3	1,182.9	3,940.0	1,114.9	240.4	617.8	
1975	1,619.0	978.9	245.6	36.8	33.9	624.1	65.4	194.5	1,200.3	3,798.3	978.9	245.6	624.1	
1976	1,653.3	1,031.1	298.6	38.5	35.9	642.0	72.9	199.4	1,287.4	3,971.8	1,031.1	298.6	642.0	
1977	1,669.2	867.8	304.3	38.6	38.7	662.6	95.9	210.7	1,350.7	3,887.7	867.8	304.3	662.6	
1978	1,622.4	951.0	318.5	41.6	39.8	667.1	88.7	214.2	1,369.9	3,943.3	951.0	318.5	667.1	
1979	1,668.4	920.4	263.8	166.2	38.4	638.9	71.1	205.7	1,384.1	3,972.9	920.4	263.8	638.9	
1980	1,528.1	841.1	284.5	157.1	40.6	594.8	43.5	180.7	1,301.2	3,670.3	841.1	284.5	594.8	
1981	1,534.9	818.9	262.8	139.4	32.4	578.8	36.8	149.8	1,199.9	3,553.7	818.9	262.8	578.8	
1982	1,392.0	770.4	235.3	141.8	30.9	556.3	15.4	145.0	1,124.6	3,287.0	770.4	235.3	556.3	
1983	1,321.1	708.5	194.2	142.0	32.8	562.6	25.7	147.5	1,104.9	3,134.5	708.5	194.2	562.6	
1984	1,361.8	768.9	211.0	101.7	38.5	572.8	17.6	154.7	1,096.3	3,227.0	768.9	211.0	572.8	
1985	1,389.5	739.9	213.4	97.3	40.6	571.3	14.6	141.8	1,079.0	3,208.3	739.9	213.4	571.3	
1986	1,431.8	744.3	209.6	52.6	56.0	588.0	14.5	147.0	1,067.8	3,244.0	744.3	209.6	588.0	
1987	1,433.1	747.1	202.7	57.6	61.0	609.8	13.1	170.9	1,115.0	3,295.1	747.1	202.7	609.8	
1988	1,474.7	837.5	219.6	40.3	52.0	615.0	17.7	158.2	1,102.8	3,415.0	837.5	219.6	615.0	
1989	1,468.6	848.0	229.1	48.5	58.7	601.9	14.5	185.8	1,138.5	3,455.0	848.0	229.1	601.9	
1990	1,425.3	775.7	218.9	40.0	59.9	580.4	10.4	178.2	1,087.8	3,288.9	775.7	218.9	580.4	
1991	1,413.4	798.4	206.4	40.4	55.8	577.4	8.4	163.0	1,054.5	3,266.3	798.4	206.4	577.4	
1992	1,416.9	838.2	218.6	52.5	60.1	571.0	10.1	183.1	1,095.3	3,350.4	838.2	218.6	571.0	
1993	1,431.6	864.6	226.1	54.0	60.2	582.4	13.4	164.0	1,100.2	3,396.4	864.6	226.1	582.4	
1994	1,386.1	871.3	236.0	55.1	66.1	571.0	12.7	174.8	1,115.7	3,373.1	871.3	236.0	571.0	
1995	1,379.8	923.0	234.0	51.7	63.7	587.0	8.9	170.9	1,116.2	3,419.0	923.0	234.0	587.0	
1996	1,447.1	966.7	256.3	58.3	67.8	594.1	10.6	199.1	1,186.2	3,600.0	966.7	256.3	594.1	
1997	1,407.2	936.8	274.0	41.4	71.5	603.2	7.8	215.6	1,213.5	3,557.5	936.8	274.0	603.2	
1998	1,450.2	842.6	266.4	32.6	78.5	605.3	5.8	211.8	1,200.2	3,493.0	842.6	266.4	605.3	
1999	1,382.2	871.9	279.2	48.1	93.3	609.7	7.7	231.4	1,269.4	3,523.5	871.9	279.2	609.7	
2000	1,428.5	926.9	284.0	44.2	105.8	611.3	9.5	196.8	1,251.6	3,606.9	926.9	284.0	611.3	
2001	1,362.8	836.8	287.8	35.7	105.3	614.4	6.5	208.0	1,257.8	3,457.5	836.8	287.8	614.4	
2002	1,396.9	862.5	295.1	48.6	99.2	625.0	6.1	197.1	1,271.0	3,530.4	862.5	295.1	625.0	
2003	1,443.5	877.9	304.4	74.2	100.3	630.3	3.6	191.2	1,303.9	3,625.3	877.9	304.4	630.3	
2004	1,391.3	862.4	324.4	40.2	105.7	631.6	4.7	196.7	1,303.3	3,556.9	862.4	324.4	631.6	
2005	1,481.0	860.9	311.7	48.2	105.5	628.6	9.0	177.2	1,280.2	3,622.1	860.9	311.7	628.6	
2006	1,450.8	770.9	320.9	43.9	104.8	624.2	8.6	187.0	1,289.4	3,511.0	770.9	320.9	624.2	
2007	1,463.8	835.6	334.7	33.4	102.9	612.4	5.7	195.2	1,284.3	3,583.6	835.6	334.7	612.4	
2008	1,438.4	823.5	310.6	30.2	102.0	585.3	7.9	196.4	1,232.4	3,494.3	823.5	310.6	585.3	
2009	1,267.3	770.8	R 276.0	33.5	72.3	574.0	4.6	164.3	R 1,124.7	R 3,162.7	770.8	R 276.0	574.0	
2010	1,355.1	810.6	R 294.8	36.8	32.6	575.0	4.1	148.0	R 1,091.3	R 3,257.0	810.6	R 294.8	575.0	
2011	1,222.6	848.8	R 294.5	37.3	31.4	557.1	3.1	144.2	R 1,067.6	R 3,138.9	848.8	R 294.5	557.1	
2012	1,019.1	869.6	R 283.6	31.0	26.7	552.9	1.2	149.7	R 1,045.1	R 2,933.8	869.6	R 283.6	552.9	
2013	1,104.5	945.7	R 285.0	34.0	26.6	558.1	3.2	147.1	R 1,054.0	R 3,104.2	945.7	R 285.0	558.1	
2014	1,057.4	1,058.8	R 297.6	36.6	29.2	558.2	2.2	138.9	R 1,062.7	R 3,178.8	1,058.8	R 297.6	558.2	
2015	865.7	1,031.7	R 293.4	33.2	31.7	572.1	2.7	148.2	R 1,081.2	R 2,978.6	1,031.7	R 293.4	572.1	
2016	825.3	994.2	R 278.6	33.8	34.6	576.3	3.9	155.7	R 1,082.9	R 2,902.4	994.2	R 278.6	576.3	
2017	811.0	1,014.3	R 283.7	34.0	31.0	575.1	2.6	147.7	R 1,074.0	R 2,899.2	1,014.3	R 283.7	575.1	
2018	717.8	1,236.7	R 294.0	35.5	36.1	570.5	2.4	151.1	R 1,089.8	R 3,044.3	1,236.7	R 294.0	570.5	
2019	594.3	1,260.5	R 286.8	39.2	R 32.3	563.9	1.9	R 145.9	R 1,070.2	R 2,924.9	1,260.5	R 286.8	563.9	
2020	556.8	1,233.4	R 279.7	37.3	R 31.4	489.0	2.2	R 142.7	R 982.4	R 2,772.6	1,233.4	R 279.7	489.0	
2021	575.9	1,293.1	283.6	38.6	40.5	525.7	2.4	142.2	1,029.3	2,898.4	1,293.1	283.6	525.7	

^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."
^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, 1960-2021, Ohio (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 ^{fj}	Wind	Total ^f			
			Wood and Waste ^{fg}	Fuel Ethanol ^h	Biodiesel	Renewable Diesel	Losses and Co-products ⁱ	Total ^f							
1960	0.0	0.2	36.8	NA	NA	NA	NA	36.8	0.0	NA	NA	37.0	167.0	0.0	2,994.7
1965	0.3	0.1	38.6	NA	NA	NA	NA	38.6	0.0	NA	NA	38.7	178.8	0.0	3,369.0
1970	0.0	0.1	44.1	NA	NA	NA	NA	44.1	0.0	NA	NA	44.1	168.5	0.0	3,932.6
1971	0.0	0.1	43.4	NA	NA	NA	NA	43.4	0.0	NA	NA	43.5	153.7	0.0	3,871.5
1972	0.0	0.1	44.8	NA	NA	NA	NA	44.8	0.0	NA	NA	44.9	193.8	0.0	4,125.7
1973	0.0	0.1	46.5	NA	NA	NA	NA	46.5	0.0	NA	NA	46.6	208.2	0.0	4,218.4
1974	0.0	0.1	48.3	NA	NA	NA	NA	48.3	0.0	NA	NA	48.4	209.7	0.0	4,198.1
1975	0.0	0.1	46.2	NA	NA	NA	NA	46.2	0.0	NA	NA	46.3	135.3	0.0	3,979.9
1976	0.0	0.1	52.8	NA	NA	NA	NA	52.8	0.0	NA	NA	52.8	184.3	0.0	4,208.9
1977	5.0	0.1	58.5	NA	NA	NA	NA	58.5	0.0	NA	NA	58.6	247.1	0.0	4,198.4
1978	26.5	(s)	69.6	NA	NA	NA	NA	69.6	0.0	NA	NA	69.6	236.4	0.0	4,275.8
1979	34.4	(s)	74.6	NA	NA	NA	NA	74.6	0.0	NA	NA	74.7	180.0	0.0	4,262.0
1980	23.1	0.1	107.3	NA	NA	NA	NA	107.3	0.0	NA	NA	107.4	150.0	0.0	3,950.8
1981	48.6	0.1	112.9	0.1	NA	NA	NA	113.0	0.0	NA	NA	113.0	133.0	0.0	3,848.3
1982	35.7	0.1	112.2	0.8	NA	NA	NA	114.3	0.0	NA	NA	114.3	70.7	0.0	3,507.8
1983	53.5	1.4	124.3	3.9	NA	NA	NA	130.7	0.0	NA	0.0	132.1	124.4	0.0	3,444.5
1984	46.8	1.7	119.9	3.9	NA	NA	NA	126.7	0.0	0.0	0.0	128.4	244.1	0.0	3,646.3
1985	20.6	1.8	121.9	4.5	NA	NA	NA	129.5	0.0	0.0	0.0	131.3	262.1	0.0	3,622.4
1986	0.3	1.8	108.6	6.1	NA	NA	NA	118.0	0.0	0.0	0.0	119.8	227.6	0.0	3,591.7
1987	78.4	2.3	111.9	7.5	NA	NA	NA	123.0	0.0	0.0	0.0	125.4	209.2	0.0	3,708.2
1988	89.6	1.9	117.7	8.3	NA	NA	NA	129.6	0.0	0.0	0.0	131.5	208.1	0.0	3,844.2
1989	134.0	1.4	97.4	9.6	NA	NA	NA	110.4	0.3	(s)	0.0	112.1	252.6	0.0	3,953.7
1990	112.8	1.9	66.1	8.8	NA	NA	NA	77.7	0.3	(s)	0.0	80.0	341.3	0.0	3,823.0
1991	155.5	1.6	70.8	9.2	NA	NA	NA	83.3	0.4	(s)	0.0	85.3	314.2	0.0	3,821.4
1992	155.0	2.6	66.7	11.5	NA	NA	NA	81.1	0.4	(s)	0.0	84.1	275.3	0.0	3,864.9
1993	105.2	2.0	44.2	16.3	NA	NA	NA	63.6	0.4	(s)	0.0	66.0	349.5	0.0	3,917.0
1994	114.5	2.0	69.0	19.1	NA	NA	NA	91.8	0.5	(s)	0.0	94.3	445.1	0.0	4,026.9
1995	176.2	2.4	65.3	17.9	NA	NA	NA	84.9	0.5	(s)	0.0	87.8	426.2	0.0	4,109.2
1996	146.2	4.1	74.2	7.0	NA	NA	NA	81.3	0.6	(s)	0.0	86.0	363.9	0.0	4,196.1
1997	160.9	5.2	68.3	12.7	NA	NA	NA	81.1	0.6	0.1	0.0	86.9	375.6	0.0	4,180.8
1998	172.8	4.1	62.3	18.7	NA	NA	NA	81.0	0.7	0.1	0.0	86.0	328.2	0.0	4,080.0
1999	171.6	4.3	69.1	19.2	NA	NA	NA	88.4	0.8	0.1	0.0	93.6	457.1	0.0	4,245.9
2000	175.0	5.9	72.5	19.6	NA	NA	NA	92.1	0.8	0.1	0.0	98.9	392.6	0.0	4,273.4
2001	161.5	5.3	44.9	17.2	0.1	NA	NA	62.2	0.8	0.1	0.0	68.4	323.6	0.0	4,011.0
2002	113.5	5.0	32.2	16.9	0.1	NA	NA	49.1	0.9	0.1	0.0	55.1	255.7	(s)	3,954.6
2003	88.3	5.2	41.5	15.6	0.1	NA	NA	57.1	1.2	0.1	0.0	63.6	243.4	(s)	4,020.6
2004	166.3	7.3	42.5	15.4	0.2	NA	NA	58.0	1.3	0.1	0.0	66.8	264.8	-0.2	4,054.6
2005	154.5	5.2	47.3	18.8	0.5	NA	NA	66.8	1.5	0.2	0.1	R 73.7	232.3	-1.2	4,081.4
2006	175.8	6.3	46.7	20.6	1.6	NA	NA	69.0	1.7	0.2	0.1	77.3	155.4	2.1	3,921.6
2007	165.3	4.1	49.9	25.7	2.1	NA	NA	77.9	2.0	0.2	0.1	84.3	215.1	1.0	4,049.5
2008	183.1	3.8	53.9	35.4	1.8	NA	NA	109.8	2.3	0.2	0.1	116.3	206.1	0.0	3,999.8
2009	159.0	5.2	50.3	39.5	1.9	NA	NA	106.3	2.9	R 0.2	0.1	114.7	229.5	(s)	R 3,665.9
2010	165.2	4.2	59.8	37.7	1.5	NA	NA	121.2	3.2	0.4	0.1	129.2	236.6	0.0	R 3,788.1
2011	155.8	3.7	59.2	38.5	5.3	0.0	25.6	128.5	3.4	0.6	1.9	138.1	322.9	0.0	R 3,755.7
2012	179.1	3.9	55.5	40.7	5.0	0.0	24.4	125.6	3.4	R 1.1	9.4	R 143.5	358.9	0.0	R 3,615.2
2013	168.5	5.2	63.2	42.4	8.1	0.0	25.5	139.2	3.4	1.4	10.9	160.1	252.2	0.0	R 3,685.0
2014	170.3	4.5	63.6	41.6	7.7	0.0	29.9	142.9	3.4	1.6	11.0	163.4	R 279.7	0.0	R 3,792.3
2015	181.7	4.3	60.3	39.6	6.7	0.0	30.3	136.9	3.4	1.7	11.2	157.5	R 376.7	0.0	R 3,694.5
2016	175.9	4.6	56.9	40.1	9.5	0.0	31.3	137.8	3.4	1.9	11.5	159.2	R 419.2	(s)	R 3,656.6
2017	185.0	2.6	51.8	40.7	8.2	0.0	32.6	133.2	3.4	2.4	14.6	156.2	R 361.3	0.1	R 3,601.8
2018	191.5	2.2	53.2	39.9	7.5	0.0	33.8	134.4	3.4	2.8	15.9	158.7	R 349.1	0.3	R 3,743.9
2019	R 177.6	3.6	52.6	40.3	5.8	0.0	33.2	131.9	3.4	3.3	18.2	160.3	R 357.7	0.0	R 3,620.6
2020	R 190.3	3.3	49.0	36.1	7.6	0.0	28.2	120.8	3.4	3.8	20.1	151.4	R 275.2	0.0	R 3,389.5
2021	182.6	5.1	48.9	39.1	6.3	0.0	30.9	125.2	3.4	8.7	22.9	165.3	295.6	0.0	3,542.0

^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 kilowatt-hours by 3,412 Btu per kilowatt-hour.
 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, 1960-2021, Ohio

Year	Natural Gas ^a		Petroleum							Hydro-electric Power ^{g,h}	Biomass		Geothermal ^h	Solar ^{h,k}	Electricity ^l		Electrical System Energy Losses ⁿ	Total ^{h,m}
	Coal	Billions of Cubic Feet	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			Million Kilowatt-hours	End Use ^{h,m}		
	Thousand Short Tons	Thousand Barrels									Million Kilowatt-hours							
1960	29,691	697	23,812	3,680	1,808	78,170	11,511	24,677	143,658	12	--	--	--	--	57,718	--	--	--
1970	31,542	1,032	33,667	8,712	5,857	106,296	5,748	34,285	194,565	0	--	--	--	--	85,220	--	--	--
1980	16,377	892	47,190	44,263	7,219	113,232	6,313	29,996	248,215	0	--	--	--	--	112,111	--	--	--
1990	10,357	745	37,128	10,994	10,602	110,487	1,520	29,009	199,740	0	--	--	--	--	142,465	--	--	--
2000	4,512	881	48,022	11,961	18,655	121,297	1,498	31,677	233,110	0	--	--	--	--	165,195	--	--	--
2005	4,219	798	52,855	13,308	18,615	124,698	1,424	26,824	237,723	0	--	--	--	--	160,176	--	--	--
2006	4,412	719	54,709	12,137	18,486	124,364	1,375	28,592	239,663	0	--	--	--	--	153,429	--	--	--
2007	4,421	769	57,268	9,022	18,145	124,107	909	30,614	240,064	0	--	--	--	--	161,771	--	--	--
2008	4,491	769	53,211	8,032	17,998	121,561	1,258	30,532	232,591	0	--	--	--	--	159,389	--	--	--
2009	3,762	703	47,720	8,956	12,744	120,531	735	25,535	216,221	0	--	--	--	--	146,300	--	--	--
2010	4,815	726	50,808	9,583	5,758	120,925	659	22,456	210,188	0	--	--	--	--	154,145	--	--	--
2011	4,633	731	51,250	9,706	5,545	117,629	488	21,756	206,375	0	--	--	--	--	154,746	--	--	--
2012	5,051	671	49,451	8,073	4,711	117,267	197	22,276	201,974	0	--	--	--	--	152,457	--	--	--
2013	5,119	751	50,476	8,860	4,698	118,669	511	21,876	205,090	0	--	--	--	--	150,307	--	--	--
2014	5,167	827	52,502	9,538	5,143	118,576	353	20,955	207,067	0	--	--	--	--	150,680	--	--	--
2015	4,708	758	52,030	8,649	5,584	120,958	430	22,125	209,777	0	--	--	--	--	149,213	--	--	--
2016	4,064	716	49,952	8,797	6,105	121,924	612	23,134	210,524	0	--	--	--	--	150,598	--	--	--
2017	3,915	741	50,764	8,849	5,459	121,855	410	R 22,216	R 209,553	0	--	--	--	--	146,644	--	--	--
2018	4,028	840	52,303	9,251	R 6,374	120,783	386	R 21,915	R 211,012	0	--	--	--	--	152,915	--	--	--
2019	3,988	820	51,096	10,220	R 5,700	119,595	308	R 22,190	R 209,108	0	--	--	--	--	148,522	--	--	--
2020	3,277	782	50,028	9,716	R 5,546	103,936	353	R 20,700	R 190,279	0	--	--	--	--	142,615	--	--	--
2021	3,680	822	49,608	10,050	7,149	111,848	378	20,959	199,991	0	--	--	--	--	147,718	--	--	--

Trillion Btu

1960	756.8	721.7	138.7	14.0	9.8	410.6	72.4	149.9	795.5	0.1	36.7	NA	NA	NA	196.9	2,507.7	487.0	2,994.7
1970	776.7	1,055.3	196.1	32.7	32.8	558.4	36.1	206.3	1,062.4	0.0	44.0	NA	NA	NA	290.8	3,229.2	703.4	3,932.6
1980	417.6	906.6	274.9	157.1	40.6	594.8	39.7	180.7	1,287.8	0.0	107.3	NA	NA	NA	382.5	3,031.9	918.9	3,950.8
1990	264.0	775.3	216.3	40.0	59.9	580.4	9.6	176.2	1,084.4	0.0	62.5	2.8	0.3	(s)	486.1	2,683.3	1,139.7	3,823.0
2000	116.0	918.1	279.4	44.2	105.8	630.9	9.4	196.8	1,266.5	0.0	71.5	0.0	0.8	0.1	563.6	2,935.1	1,338.4	4,273.4
2005	108.0	832.7	307.5	48.2	105.5	647.4	9.0	166.6	1,284.3	0.0	46.2	0.1	1.5	0.2	546.5	2,819.5	1,262.0	4,081.4
2006	113.6	747.4	317.5	43.9	104.8	644.8	8.6	176.5	1,296.1	0.0	45.6	0.2	1.7	0.2	523.5	2,729.4	1,192.2	3,921.6
2007	113.9	797.7	331.2	33.4	102.9	638.2	5.7	186.6	1,298.0	0.0	48.9	0.2	2.0	0.2	552.0	2,814.3	1,235.1	4,049.5
2008	116.2	799.7	307.6	30.2	102.0	620.7	7.9	185.5	1,254.0	0.0	50.4	18.6	2.3	0.2	543.8	2,786.6	1,213.1	3,999.8
2009	97.1	732.4	275.7	33.5	72.3	613.5	4.6	154.2	1,153.8	0.0	47.3	14.5	2.9	R 0.2	499.2	2,546.9	1,119.6	3,666.5
2010	124.7	751.1	293.4	36.8	32.6	612.7	4.1	136.9	1,116.6	0.0	55.7	22.2	3.2	0.3	525.9	2,599.6	1,188.8	3,788.3
2011	119.9	753.6	295.7	37.3	31.4	595.6	3.1	132.7	1,095.7	0.0	55.4	25.6	3.4	0.4	528.0	2,581.6	1,173.4	3,755.0
2012	138.0	694.1	285.2	31.0	26.7	593.6	1.2	136.3	1,074.1	0.0	49.4	24.4	3.4	R 0.8	520.2	R 2,504.2	1,110.6	R 3,614.8
2013	141.0	779.4	290.9	34.0	26.6	600.5	3.2	132.2	1,087.4	0.0	56.5	25.5	3.4	0.9	512.8	2,607.0	1,078.5	3,685.5
2014	140.4	877.0	302.6	36.6	29.2	599.9	2.2	127.0	1,097.4	0.0	57.1	29.9	3.4	1.1	514.1	2,720.2	R 1,072.8	R 3,793.0
2015	131.4	811.5	299.8	33.2	31.7	611.7	2.7	134.7	1,113.7	0.0	53.6	30.3	3.4	1.2	509.1	2,654.3	R 1,042.4	R 3,696.6
2016	113.5	769.3	287.6	33.8	34.6	616.3	3.9	143.4	1,119.6	0.0	50.5	31.3	3.4	1.3	513.8	2,603.1	R 1,055.3	R 3,658.5
2017	110.3	795.0	292.2	34.0	31.0	615.7	2.6	136.9	1,112.4	0.0	45.2	32.6	3.4	1.5	500.3	2,600.9	R 1,003.4	R 3,604.3
2018	114.1	895.8	301.2	35.5	36.1	610.4	2.4	135.4	R 1,121.1	0.0	46.5	33.8	3.4	1.7	521.7	2,738.5	R 1,007.7	R 3,746.1
2019	113.5	874.7	294.3	39.2	R 32.3	604.2	1.9	R 136.9	R 1,108.9	0.0	46.2	33.2	3.4	2.1	506.8	2,689.1	R 934.9	R 3,624.0
2020	93.2	837.6	288.0	37.3	R 31.4	525.1	2.2	R 127.9	R 1,012.0	0.0	R 43.0	28.2	3.4	2.4	486.6	R 2,506.9	R 884.5	R 3,391.4
2021	104.9	883.2	285.9	38.6	40.5	564.8	2.4	128.9	1,061.2	0.0	43.0	30.9	3.4	2.8	504.0	2,632.5	911.0	3,543.5

^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, 1960-2021, Ohio

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum				Biomass Wood ^d	Geothermal ^e	Solar ^{e,f}	Electricity ^g Million Kilowatthours	End Use ^{e,h}	Electrical System Energy Losses ⁱ	Total ^{e,h}
			Distillate Fuel Oil	HGL ^c	Kerosene	Total							
1960	2,013	362	7,270	1,725	1,837	10,832	--	--	--	10,786	--	--	--
1965	1,285	412	7,795	2,261	3,626	13,682	--	--	--	14,504	--	--	--
1970	906	460	9,320	3,837	2,979	16,136	--	--	--	22,266	--	--	--
1975	340	428	10,776	4,808	2,060	17,644	--	--	--	27,890	--	--	--
1980	117	394	7,430	2,520	1,016	10,966	--	--	--	33,459	--	--	--
1985	189	328	4,645	3,292	941	8,878	--	--	--	33,945	--	--	--
1990	131	308	4,740	4,146	625	9,510	--	--	--	37,889	--	--	--
1995	53	358	3,998	4,908	748	9,655	--	--	--	44,010	--	--	--
2000	24	344	2,999	6,377	419	9,796	--	--	--	46,488	--	--	--
2005	27	323	2,860	4,868	442	8,170	--	--	--	53,904	--	--	--
2006	10	272	2,197	4,621	364	7,182	--	--	--	51,375	--	--	--
2007	14	300	2,514	5,036	243	7,794	--	--	--	54,376	--	--	--
2008	0	307	2,299	5,296	121	7,716	--	--	--	53,411	--	--	--
2009	0	292	1,798	5,929	208	7,934	--	--	--	51,405	--	--	--
2010	0	284	1,665	5,237	172	7,074	--	--	--	54,474	--	--	--
2011	0	286	1,563	5,086	118	6,768	--	--	--	53,687	--	--	--
2012	0	251	1,281	3,947	45	5,273	--	--	--	52,288	--	--	--
2013	0	297	1,310	4,358	44	5,712	--	--	--	52,158	--	--	--
2014	0	321	1,402	4,754	95	6,250	--	--	--	52,804	--	--	--
2015	0	285	1,420	4,312	59	5,791	--	--	--	51,493	--	--	--
2016	0	256	1,269	4,395	74	5,738	--	--	--	52,524	--	--	--
2017	0	259	1,340	4,475	44	5,858	--	--	--	49,796	--	--	--
2018	0	301	1,495	4,922	47	6,465	--	--	--	54,452	--	--	--
2019	0	290	1,442	5,603	50	7,095	--	--	--	52,226	--	--	--
2020	0	272	1,286	4,794	61	6,141	--	--	--	52,553	--	--	--
2021	0	273	1,330	4,955	51	6,335	--	--	--	53,171	--	--	--

Trillion Btu

1960	48.0	374.5	42.3	6.6	10.4	59.4	19.8	NA	NA	36.8	538.5	91.0	629.5
1965	30.5	425.6	45.4	8.7	20.6	74.7	16.1	NA	NA	49.5	596.4	118.1	714.5
1970	20.8	470.6	54.3	14.7	16.9	85.9	18.5	NA	NA	76.0	671.7	183.8	855.5
1975	7.6	438.1	62.8	18.5	11.7	92.9	19.3	NA	NA	95.2	653.0	228.3	881.3
1980	2.7	400.1	43.3	9.7	5.8	58.7	48.4	NA	NA	114.2	592.8	274.3	867.0
1985	4.5	342.0	27.1	12.6	5.3	45.0	50.3	NA	NA	115.8	546.1	265.3	811.3
1990	3.2	320.7	27.6	15.9	3.5	47.1	31.2	0.3	(s)	129.3	531.4	303.1	834.5
1995	1.3	371.4	23.3	18.9	4.2	46.4	16.8	0.4	(s)	150.2	586.1	355.8	941.9
2000	0.6	358.5	17.5	24.5	2.4	44.3	11.1	0.6	0.1	158.6	573.2	376.6	949.8
2005	0.6	336.7	16.6	18.7	2.5	37.8	20.9	1.1	0.2	183.9	581.1	424.7	1,005.7
2006	0.2	282.9	12.7	17.7	2.1	32.6	18.6	1.2	0.2	175.3	510.9	399.2	910.1
2007	0.3	310.7	14.5	19.3	1.4	35.3	20.5	1.5	0.2	185.5	553.8	415.2	969.0
2008	0.0	318.9	13.3	20.3	0.7	34.3	23.0	1.8	0.2	182.2	560.2	406.5	966.7
2009	0.0	304.5	10.4	22.8	1.2	34.3	21.2	2.2	0.2	175.4	537.7	393.4	931.2
2010	0.0	293.5	9.6	20.1	1.0	30.7	22.8	2.5	0.3	185.9	535.4	420.1	955.5
2011	0.0	295.1	9.0	19.5	0.7	29.2	22.1	2.4	0.3	183.2	532.2	407.1	939.3
2012	0.0	259.4	7.4	15.2	0.3	22.8	18.5	2.6	0.3	178.4	481.8	380.9	862.7
2013	0.0	308.5	7.6	16.7	0.2	24.5	24.1	2.6	0.3	178.0	537.9	374.2	912.1
2014	0.0	339.9	8.1	18.3	0.5	26.9	24.4	2.6	0.4	180.2	574.1	R 376.0	R 950.0
2015	0.0	305.4	8.2	16.6	0.3	25.1	21.6	2.6	0.4	175.7	530.6	R 359.7	R 890.3
2016	0.0	274.9	7.3	16.9	0.4	24.6	18.9	2.6	0.5	179.2	500.6	R 368.1	R 868.6
2017	0.0	277.6	7.7	17.2	0.2	25.1	18.0	2.6	0.5	169.9	493.7	R 340.7	R 834.4
2018	0.0	321.3	8.6	18.9	0.3	27.8	21.6	2.6	0.6	185.8	559.5	R 358.8	R 918.4
2019	0.0	309.5	8.3	21.5	0.3	30.1	21.3	2.6	0.7	178.2	542.3	R 328.7	R 871.1
2020	0.0	291.1	7.4	18.4	0.3	26.2	18.1	2.6	1.0	179.3	518.2	R 325.9	R 844.2
2021	0.0	292.8	7.7	19.0	0.3	27.0	19.3	2.6	1.3	181.4	523.8	327.9	851.7

^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/>

OHIO
Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2021, Ohio

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum						Hydro-electric Power ^{e,f} Million Kilowatthours	Biomass		Geothermal ^f	Solar ^{f,h} Million Kilowatthours	Electricity ⁱ Million Kilowatthours	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		Wood and Waste ^{f,g}	Electricity ⁱ							
											Thousand Barrels							Million Kilowatthours
1960	1,399	108	1,443	334	95	541	2,118	4,532	NA	--	--	NA	7,594	--	--	--		
1965	969	127	1,548	437	188	572	1,997	4,743	NA	--	--	NA	10,384	--	--	--		
1970	712	183	1,850	742	155	401	824	3,972	NA	--	--	NA	17,073	--	--	--		
1975	792	169	2,139	929	107	956	1,457	5,589	NA	--	--	NA	20,047	--	--	--		
1980	439	166	2,591	487	130	2,058	380	5,646	NA	--	--	NA	23,323	--	--	--		
1985	670	143	2,114	636	440	604	83	3,877	NA	--	--	NA	29,176	--	--	--		
1990	523	144	1,920	801	189	1,059	22	3,991	0	--	--	(s)	34,850	--	--	--		
1995	356	175	1,709	949	89	438	5	3,189	0	--	--	(s)	40,093	--	--	--		
2000	192	178	1,740	1,233	132	525	0	3,630	0	--	--	(s)	44,635	--	--	--		
2005	307	167	1,270	1,076	224	275	108	2,953	0	--	--	R (s)	46,870	--	--	--		
2006	100	147	1,534	690	161	454	28	2,867	0	--	--	(s)	46,141	--	--	--		
2007	127	161	1,765	959	84	458	1	3,267	0	--	--	1	48,129	--	--	--		
2008	242	167	1,953	1,054	41	380	8	3,437	0	--	--	1	47,310	--	--	--		
2009	217	161	2,458	1,088	28	320	1	3,895	0	--	--	1	45,370	--	--	--		
2010	226	156	2,434	1,002	27	278	6	3,746	0	--	--	R 5	46,526	--	--	--		
2011	193	161	2,295	1,008	13	98	5	3,420	0	--	--	R 13	47,112	--	--	--		
2012	131	145	2,517	751	7	99	(s)	3,374	0	--	--	R 47	46,756	--	--	--		
2013	146	168	2,258	932	5	102	0	3,297	0	--	--	R 58	46,718	--	--	--		
2014	133	183	1,980	971	9	97	0	3,057	0	--	--	69	47,005	--	--	--		
2015	82	167	2,050	830	6	3,035	0	5,921	0	--	--	80	47,124	--	--	--		
2016	45	152	2,059	940	12	3,037	0	6,048	0	--	--	86	47,742	--	--	--		
2017	1	157	2,090	998	6	3,084	0	6,178	0	--	--	99	46,158	--	--	--		
2018	0	179	2,136	1,122	8	3,132	0	6,398	0	--	--	116	47,192	--	--	--		
2019	0	177	2,147	1,239	10	3,155	0	6,550	0	--	--	121	46,009	--	--	--		
2020	0	162	2,186	1,497	8	3,178	0	6,870	0	--	--	128	43,204	--	--	--		
2021	0	169	2,052	1,517	8	3,207	0	6,784	0	--	--	133	44,980	--	--	--		

Trillion Btu

1960	33.4	111.7	8.4	1.3	0.5	2.8	13.3	26.4	NA	0.4	NA	NA	25.9	197.8	64.1	261.8
1965	23.0	131.0	9.0	1.7	1.1	3.0	12.6	27.3	NA	0.3	NA	NA	35.4	217.1	84.6	301.7
1970	16.3	187.6	10.8	2.8	0.9	2.1	5.2	21.8	NA	0.3	NA	NA	58.3	284.3	140.9	425.3
1975	17.7	173.4	12.5	3.6	0.6	5.0	9.2	30.8	NA	0.4	NA	NA	68.4	290.7	164.1	454.8
1980	10.2	168.9	15.1	1.9	0.7	10.8	2.4	30.9	NA	1.2	NA	NA	79.6	277.5	191.2	468.7
1985	16.0	149.6	12.3	2.4	2.5	3.2	0.5	20.9	NA	1.2	NA	NA	99.5	282.2	228.0	510.2
1990	12.6	149.2	11.2	3.1	1.1	5.6	0.1	21.0	0.0	3.6	0.0	(s)	118.9	305.4	278.8	584.2
1995	8.7	181.8	9.9	3.6	0.5	2.3	(s)	16.4	0.0	2.5	0.1	(s)	136.8	346.1	324.1	670.2
2000	4.6	185.4	10.1	4.7	0.7	2.7	0.0	18.3	0.0	2.4	0.2	(s)	152.3	363.0	361.6	724.6
2005	7.4	173.9	7.4	4.1	1.3	1.4	0.7	14.9	0.0	3.5	0.5	(s)	159.9	359.9	369.3	729.2
2006	2.4	152.7	8.9	2.7	0.9	2.4	0.2	15.0	0.0	3.1	0.5	(s)	157.4	331.1	358.5	689.8
2007	3.1	166.6	10.2	3.7	0.5	2.4	(s)	16.7	0.0	4.0	0.5	(s)	164.2	355.0	367.5	722.5
2008	6.5	173.8	11.3	4.0	0.2	1.9	0.1	17.6	0.0	3.5	0.6	(s)	161.4	363.2	360.1	723.3
2009	5.8	167.3	14.2	4.2	0.2	1.6	(s)	20.2	0.0	3.0	0.7	(s)	154.8	351.6	347.2	698.8
2010	6.0	161.8	14.1	3.8	0.2	1.4	(s)	19.5	0.0	3.0	0.7	0.1	158.7	349.7	358.8	R 708.5
2011	5.1	166.5	13.2	3.9	0.1	0.5	(s)	17.7	--	2.9	0.9	0.1	160.7	R 353.9	357.2	R 711.2
2012	3.5	150.4	14.5	2.9	(s)	0.5	(s)	17.9	0.0	2.5	0.8	R 0.4	159.5	R 335.1	340.6	R 675.7
2013	3.9	174.5	13.0	3.6	(s)	0.5	0.0	17.1	0.0	2.9	0.8	0.5	159.4	359.2	335.2	694.4
2014	3.5	194.2	11.4	3.7	0.1	0.5	0.0	15.7	0.0	3.1	0.8	0.7	160.4	378.2	334.7	R 712.9
2015	2.2	178.3	11.8	3.2	(s)	15.3	0.0	30.4	0.0	3.5	0.8	0.7	160.8	376.7	R 329.2	R 705.9
2016	1.2	163.8	11.9	3.6	0.1	15.4	0.0	30.9	0.0	3.5	0.8	0.8	162.9	363.9	R 334.6	R 698.5
2017	(s)	168.5	12.0	3.8	(s)	15.6	0.0	31.5	0.0	3.4	0.8	0.9	157.5	362.6	R 315.8	R 678.4
2018	0.0	190.9	12.3	4.3	(s)	15.8	0.0	32.5	0.0	3.4	0.8	1.1	161.0	389.6	R 311.0	R 700.6
2019	0.0	189.3	12.4	4.8	0.1	15.9	0.0	33.1	0.0	3.2	0.8	1.1	157.0	384.4	R 289.6	R 674.1
2020	0.0	173.5	12.6	5.8	(s)	16.1	0.0	34.4	0.0	3.3	0.8	1.1	147.4	360.6	R 268.0	R 628.6
2021	0.0	182.0	11.8	5.8	(s)	16.2	0.0	33.9	0.0	3.6	0.8	1.2	153.5	374.5	277.4	651.9

^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, 1960-2021, Ohio

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum						Hydro-electric Power ^{e,i} Million kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Million kWh	Electricity ^j End Use ^{f,k}	Electrical System Energy Losses ^j	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 Barrels													
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	6,239	1,276	1,537	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	267.3	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	R 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	2.2	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 187.7	0.0	28.2	31.3	0.0	0.1	171.6	R 850.2	R 352.4	R 1,202.6
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

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/

OHIO Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2021, Ohio

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum								Electricity ^f Million Kilowatthours	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 Barrels											
1960	444	9	1,395	7,987	36	1,808	1,381	74,274	310	87,192	91	--	--	--
1965	87	11	2,125	9,722	94	3,075	1,263	83,101	633	100,013	57	--	--	--
1970	48	12	712	11,068	133	5,857	1,241	103,970	758	123,739	54	--	--	--
1975	4	9	491	15,647	180	5,926	1,622	116,333	592	140,790	45	--	--	--
1980	0	11	473	24,578	225	7,219	1,425	110,021	255	144,198	46	--	--	--
1985	0	8	330	22,418	379	7,204	1,297	107,086	0	138,713	46	--	--	--
1990	0	10	239	24,495	358	10,602	1,459	108,455	5	145,613	44	--	--	--
1995	0	18	235	27,993	256	11,236	1,392	114,584	56	155,753	49	--	--	--
2000	0	19	218	38,414	145	18,655	1,487	120,065	12	178,997	53	--	--	--
2005	0	14	109	42,707	268	18,615	1,255	122,074	0	185,028	48	--	--	--
2006	0	13	331	45,037	262	18,486	1,222	121,470	1	186,808	44	--	--	--
2007	0	14	327	47,104	198	18,145	1,262	121,717	3	188,757	48	--	--	--
2008	0	11	189	42,629	406	17,998	1,172	119,644	0	182,038	47	--	--	--
2009	0	17	217	38,183	253	12,744	1,054	118,720	0	171,171	39	--	--	--
2010	0	16	150	40,680	R 42	5,758	942	119,245	0	R 166,816	36	--	--	--
2011	0	14	140	42,193	R 41	5,545	904	115,961	0	R 164,785	34	--	--	--
2012	0	10	124	39,632	R 32	4,711	820	115,598	0	R 160,918	34	--	--	--
2013	0	10	111	40,955	R 44	4,698	865	116,955	0	R 163,628	44	--	--	--
2014	0	15	106	42,633	R 53	5,143	898	117,474	(s)	R 166,308	42	--	--	--
2015	0	20	79	42,406	R 72	5,584	971	116,337	6	R 165,455	40	--	--	--
2016	0	19	80	40,731	R 91	6,105	901	117,317	1	R 165,226	41	--	--	--
2017	0	30	92	40,967	R 34	5,459	830	117,183	0	R 164,565	39	--	--	--
2018	0	29	85	42,199	R 63	6,374	790	116,030	7	R 165,548	36	--	--	--
2019	0	33	95	42,192	R 163	5,700	753	114,841	24	R 163,767	38	--	--	--
2020	0	44	82	40,194	R 64	5,546	665	99,148	11	R 145,711	35	--	--	--
2021	0	51	92	40,242	87	7,149	673	107,046	11	155,978	37	--	--	--

Trillion Btu

1960	11.0	9.4	7.0	46.5	0.1	9.8	8.4	390.2	2.0	464.0	0.3	484.7	0.8	485.5
1965	2.1	11.4	10.7	56.6	0.4	17.0	7.7	436.5	4.0	532.9	0.2	546.7	0.5	547.1
1970	1.1	12.3	3.6	64.5	0.5	32.8	7.5	546.2	4.8	659.8	0.2	673.4	0.4	673.8
1975	0.1	9.2	2.5	91.1	0.7	33.3	9.8	611.1	3.7	752.2	0.2	761.7	0.4	762.1
1980	0.0	11.6	2.4	143.2	0.9	40.6	8.6	577.9	1.6	775.3	0.2	787.0	0.4	787.4
1985	0.0	8.6	1.7	130.6	1.5	40.6	7.9	562.5	0.0	744.7	0.2	757.9	0.4	758.3
1990	0.0	10.5	1.2	142.7	1.4	59.9	8.9	569.7	(s)	783.8	0.2	803.0	0.4	803.4
1995	0.0	18.5	1.2	162.9	1.0	63.7	8.4	596.3	0.4	833.9	0.2	852.6	0.4	853.0
2000	0.0	19.8	1.1	223.5	0.6	105.8	9.0	624.5	0.1	964.5	0.2	984.5	0.4	984.9
2005	0.0	14.4	0.6	248.5	1.0	105.5	7.6	633.8	0.0	997.0	0.2	1,012.1	0.4	1,012.5
2006	0.0	13.1	1.7	261.4	1.0	104.8	7.4	629.8	(s)	1,006.1	0.1	1,020.9	0.3	1,021.2
2007	0.0	14.6	1.7	272.5	0.8	102.9	7.7	625.9	(s)	1,011.3	0.2	1,028.1	0.4	1,028.5
2008	0.0	11.9	1.0	246.4	1.6	102.0	7.1	610.9	0.0	969.0	0.2	982.9	0.4	983.2
2009	0.0	17.4	1.1	220.6	1.0	72.3	6.4	604.3	0.0	905.6	0.1	923.1	0.3	923.4
2010	0.0	16.5	0.8	234.9	0.2	32.6	5.7	604.2	0.0	878.4	0.1	R 895.1	0.3	895.3
2011	0.0	14.8	0.7	243.5	0.2	31.4	5.5	587.1	0.0	868.4	0.1	883.3	0.3	883.5
2012	0.0	10.0	0.6	228.6	0.1	26.7	5.0	585.2	0.0	R 846.2	0.1	856.2	0.2	856.5
2013	0.0	10.7	0.6	236.0	R 0.2	26.6	5.2	591.8	0.0	860.4	0.2	871.3	0.3	871.6
2014	0.0	16.2	0.5	245.7	0.2	29.2	5.4	594.3	(s)	875.3	0.1	R 891.7	0.3	R 892.0
2015	0.0	21.8	0.4	244.3	R 0.3	31.7	5.9	588.3	(s)	870.9	0.1	892.8	0.3	893.1
2016	0.0	19.9	0.4	234.5	R 0.4	34.6	5.5	593.0	(s)	R 868.4	0.1	R 888.4	0.3	R 888.7
2017	0.0	31.9	0.5	235.8	0.1	31.0	5.0	592.1	0.0	R 864.6	0.1	896.6	0.3	896.9
2018	0.0	31.1	0.4	243.0	0.2	36.1	4.8	586.4	(s)	R 871.1	0.1	R 902.3	0.2	902.5
2019	0.0	34.9	0.5	243.0	R 0.6	R 32.3	4.6	580.2	0.2	R 861.3	0.1	R 896.3	0.2	R 896.5
2020	0.0	47.3	0.4	231.4	R 0.2	R 31.4	4.0	500.9	0.1	R 768.5	0.1	R 815.9	0.2	R 816.1
2021	0.0	54.3	0.5	232.0	0.3	40.5	4.1	540.6	0.1	821.7	0.1	876.1	0.2	876.4

^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."

^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, 1960-2021, Ohio

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum				Nuclear Electric Power	Hydroelectric Power ^d	Biomass Wood and Waste ^{e,f}	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								
			Thousand Barrels											
1960	21,559	3	107	0	94	201	0	7	--	0	NA	NA	0	--
1965	24,923	3	119	0	105	223	22	10	--	0	NA	NA	0	--
1970	35,321	21	791	0	697	1,487	0	7	--	0	NA	NA	0	--
1975	47,321	6	2,568	0	1,312	3,880	0	7	--	0	NA	NA	0	--
1980	48,537	5	1,643	0	605	2,248	2,119	6	--	0	NA	NA	0	--
1985	46,700	1	508	0	141	649	1,943	175	--	0	0	0	0	--
1990	48,848	1	452	0	136	588	10,664	181	--	0	0	0	0	--
1995	49,785	7	642	0	0	642	16,768	232	--	0	0	0	0	--
2000	55,734	10	792	0	13	804	16,781	583	--	0	0	0	0	--
2005	59,607	28	723	1,846	0	2,569	14,803	516	--	0	0	13	-348	--
2006	58,604	23	584	1,836	0	2,420	16,847	632	--	0	0	14	619	--
2007	59,452	37	591	1,500	0	2,092	15,764	410	--	0	0	15	306	--
2008	58,953	23	526	1,900	0	2,426	17,514	386	--	0	0	15	0	--
2009	51,096	38	484	1,770	0	2,254	15,206	528	--	0	0	14	4	--
2010	53,712	58	549	1,932	0	2,481	15,805	429	--	0	13	13	0	--
2011	48,140	93	585	2,017	0	2,602	14,890	384	--	0	15	197	0	--
2012	37,119	172	517	2,339	0	2,855	17,087	414	--	0	36	973	0	--
2013	40,623	161	462	2,602	0	3,064	16,121	549	--	0	43	1,117	0	--
2014	38,417	175	592	2,080	0	2,672	16,284	478	--	0	51	1,118	0	--
2015	30,518	208	416	2,360	0	2,776	17,377	457	--	0	51	1,169	0	--
2016	29,057	213	421	2,150	0	2,570	16,817	500	--	0	61	1,191	2	--
2017	28,523	207	368	1,901	0	2,269	17,688	277	--	0	100	1,530	17	--
2018	25,121	323	446	2,748	0	3,195	18,315	244	--	0	114	1,684	81	--
2019	19,595	364	311	1,579	0	1,890	17,011	403	--	0	136	1,968	0	--
2020	18,761	373	226	2,581	0	2,807	18,219	374	--	0	160	2,207	0	--
2021	19,030	389	317	2,317	0	2,635	17,483	578	--	0	665	2,496	0	--

Trillion Btu														
Year	Coal	Natural Gas ^a	Distillate Fuel Oil ^b	Petroleum Coke	Residual Fuel Oil ^c	Total	Nuclear Electric Power	Hydroelectric Power ^d	Biomass Wood and Waste ^{e,f}	Geothermal ^f	Solar ^{f,g}	Wind ^f	Electricity Net Imports ^h	Total ^{f,i}
1960	512.5	3.1	0.6	0.0	0.6	1.2	0.0	0.1	0.1	0.0	NA	NA	0.0	516.9
1965	587.3	3.0	0.7	0.0	0.7	1.3	0.3	0.1	0.1	0.0	NA	NA	0.0	592.1
1970	794.7	21.9	4.6	0.0	4.4	9.0	0.0	0.1	0.1	0.0	NA	NA	0.0	825.7
1975	1,037.2	5.3	14.9	0.0	8.2	23.2	0.0	0.1	(s)	0.0	NA	NA	0.0	1,065.8
1980	1,110.5	4.7	9.6	0.0	3.8	13.4	23.1	0.1	(s)	0.0	NA	NA	0.0	1,151.5
1985	1,103.3	0.7	3.0	0.0	0.9	3.8	20.6	1.8	2.8	0.0	0.0	0.0	0.0	1,133.1
1990	1,161.4	1.3	2.6	0.0	0.9	3.5	112.8	1.9	3.6	0.0	0.0	0.0	0.0	1,284.5
1995	1,206.9	7.6	3.7	0.0	0.0	3.7	176.2	2.4	0.6	0.0	0.0	0.0	0.0	1,397.5
2000	1,312.5	10.3	4.6	0.0	0.1	4.7	175.0	5.9	1.0	0.0	0.0	0.0	0.0	1,509.4
2005	1,373.0	28.8	4.2	10.6	0.0	14.8	154.5	5.2	1.1	0.0	0.0	0.1	-1.2	1,576.2
2006	1,337.2	23.9	3.4	10.5	0.0	13.9	175.8	6.3	1.1	0.0	0.0	0.1	2.1	1,560.4
2007	1,349.9	38.5	3.4	8.6	0.0	12.0	165.3	4.1	1.0	0.0	0.0	0.1	1.0	1,572.0
2008	1,322.2	24.3	3.0	10.9	0.0	13.9	183.1	3.8	3.5	0.0	0.0	0.1	0.0	1,550.9
2009	1,170.2	38.9	2.8	10.1	0.0	12.9	159.0	5.2	3.0	0.0	0.0	0.1	(s)	1,389.3
2010	1,230.4	59.8	3.2	11.1	0.0	14.2	165.2	4.2	4.0	0.0	0.1	0.1	0.0	1,478.1
2011	1,102.7	95.5	3.4	11.5	0.0	14.9	155.8	3.7	3.8	0.0	0.2	1.9	0.0	1,378.5
2012	881.1	175.9	3.0	13.4	0.0	16.4	179.1	3.9	6.1	0.0	0.3	9.3	0.0	1,271.9
2013	963.4	166.8	2.7	14.9	0.0	17.5	168.5	5.2	6.7	0.0	0.4	10.7	0.0	1,339.1
2014	917.0	182.5	3.4	11.9	0.0	15.3	170.3	4.5	6.6	0.0	0.5	10.6	0.0	1,307.2
2015	734.3	220.7	2.4	13.5	0.0	15.9	181.7	4.3	6.7	0.0	0.5	10.9	0.0	1,174.8
2016	711.8	225.1	2.4	12.3	0.0	14.7	175.9	4.6	6.3	0.0	0.6	11.0	(s)	1,150.0
2017	700.7	219.7	2.1	10.9	0.0	13.0	185.0	2.6	6.6	0.0	0.9	14.1	0.1	1,142.5
2018	603.7	341.4	2.6	15.7	0.0	18.3	191.5	2.2	6.7	0.0	1.0	15.3	0.3	R 1,180.3
2019	480.8	386.1	1.8	9.0	0.0	10.8	177.6	3.6	6.4	0.0	1.2	17.5	0.0	R 1,083.9
2020	463.6	396.2	1.3	14.8	0.0	16.1	R 190.3	3.3	5.9	0.0	1.4	R 19.3	0.0	R 1,096.0
2021	471.0	412.7	1.8	13.3	0.0	15.1	182.6	5.1	5.8	0.0	5.9	22.1	0.0	1,119.4

^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/>