

**OHIO** Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2020, Ohio

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		Geo-thermal <sup>h</sup>	Solar <sup>h,k</sup>	Electricity Retail Sales	Net Energy <sup>h,l</sup>	Electrical System Energy Losses <sup>m</sup>	Total <sup>h,j</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>			Million Kilowatt-hours			
			Thousand Barrels															
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	--	--	--
2001	4,590	794	48,680	9,779	18,579	121,450	1,021	33,661	233,170	0	--	--	--	--	155,798	--	--	--
2002	3,692	808	50,036	13,392	17,489	123,465	958	31,999	237,339	0	--	--	--	--	153,407	--	--	--
2003	3,839	830	51,435	20,632	17,685	124,282	571	31,076	245,681	0	--	--	--	--	152,230	--	--	--
2004	4,029	807	55,015	10,965	18,635	124,517	750	30,101	239,984	0	--	--	--	--	154,221	--	--	--
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	R 5,758	R 120,925	659	R 22,456	R 210,188	0	--	--	--	--	154,145	--	--	--
2011	4,633	731	51,250	9,706	R 5,545	R 117,629	488	R 21,756	R 206,375	0	--	--	--	--	154,746	--	--	--
2012	5,051	671	49,451	8,073	R 4,711	117,267	197	R 22,276	R 201,974	0	--	--	--	--	152,457	--	--	--
2013	5,119	751	50,476	8,860	4,698	118,669	511	R 21,876	205,090	0	--	--	--	--	150,307	--	--	--
2014	5,167	827	52,502	9,538	R 5,143	118,576	353	R 20,955	R 207,067	0	--	--	--	--	150,680	--	--	--
2015	4,708	758	52,030	8,649	R 5,584	120,958	430	R 22,125	R 209,777	0	--	--	--	--	149,213	--	--	--
2016	4,064	716	49,952	8,797	R 6,105	121,924	612	R 23,134	R 210,524	0	--	--	--	--	150,598	--	--	--
2017	3,915	741	50,764	8,849	R 5,459	121,855	410	R 22,215	R 209,552	0	--	--	--	--	146,644	--	--	--
2018	4,028	840	52,303	9,251	R 6,373	120,783	386	R 21,919	R 211,015	0	--	--	--	--	152,915	--	--	--
2019	3,988	R 820	51,096	10,220	R 5,685	R 119,595	308	R 22,202	R 209,106	0	--	--	--	--	148,522	--	--	--
2020	3,277	782	50,028	9,716	5,465	103,936	353	20,735	190,233	0	--	--	--	--	142,615	--	--	--

  

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	178.2	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
2001	119.6	827.3	283.3	35.7	105.3	631.7	6.4	208.0	1,270.4	0.0	43.9	0.0	0.8	0.1	531.6	2,792.5	1,218.4	4,011.0
2002	95.2	839.3	291.2	48.6	99.2	641.9	6.0	197.1	1,283.9	0.0	31.2	0.0	0.9	0.1	523.4	2,774.1	1,180.5	3,954.6
2003	99.7	859.5	299.3	74.2	100.3	645.9	3.6	191.2	1,314.4	0.0	40.2	0.0	1.2	0.1	519.4	2,833.7	1,186.9	4,020.6
2004	103.4	844.1	320.1	40.2	105.7	647.0	4.7	185.9	1,303.5	0.0	41.4	0.0	1.3	0.1	526.2	2,819.7	1,234.9	4,054.6
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 0.3	499.2	2,546.9	1,119.6	3,666.5
2010	124.7	751.1	293.4	36.8	R 32.6	612.7	4.1	136.9	R 1,116.6	0.0	55.7	22.2	3.2	0.3	525.9	R 2,599.6	1,188.8	R 3,788.3
2011	119.9	753.6	295.7	37.3	R 31.4	595.6	3.1	R 132.7	R 1,095.7	0.0	55.4	25.6	3.4	0.4	528.0	R 2,581.6	1,173.4	R 3,755.0
2012	138.0	694.1	285.2	31.0	R 26.7	593.6	1.2	136.3	R 1,074.1	0.0	49.4	24.4	3.4	R 0.9	520.2	R 2,504.3	1,110.6	R 3,614.9
2013	141.0	779.4	290.9	34.0	26.6	600.5	3.2	132.2	1,087.4	0.0	56.5	R 25.5	3.4	0.9	512.8	R 2,607.0	1,078.5	R 3,685.5
2014	140.4	877.0	302.6	36.6	R 29.2	599.9	2.2	R 127.0	R 1,097.4	0.0	57.1	R 29.9	3.4	1.1	514.1	R 2,720.2	1,073.1	R 3,793.3
2015	131.4	811.5	299.8	33.2	R 31.7	611.7	2.7	R 134.7	R 1,113.7	0.0	53.6	R 30.3	3.4	1.2	509.1	R 2,654.3	1,053.9	R 3,708.2
2016	113.5	769.3	287.6	33.8	R 34.6	616.3	3.9	R 143.4	R 1,119.6	0.0	50.5	R 31.3	3.4	1.3	513.8	R 2,603.1	1,064.7	R 3,667.8
2017	110.3	795.0	292.2	34.0	R 31.0	615.7	2.6	R 136.9	R 1,112.4	0.0	45.2	R 32.6	3.4	1.5	500.3	R 2,600.9	1,015.6	R 3,616.5
2018	114.1	895.8	301.2	35.5	R 36.1	610.4	2.4	R 135.4	R 1,121.2	0.0	46.5	R 33.8	3.4	1.7	521.7	R 2,738.5	1,023.9	R 3,762.4
2019	113.5	R 874.7	294.3	39.2	R 32.2	604.2	1.9	R 137.0	R 1,108.8	0.0	R 46.2	R 33.2	3.4	2.1	506.8	R 2,689.1	948.6	R 3,637.7
2020	93.2	837.6	288.0	37.3	31.0	525.1	2.2	128.1	1,011.7	0.0	43.1	28.2	3.4	2.4	486.6	2,506.6	897.9	3,404.5

<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.  
<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 pumped-storage hydroelectricity, 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> 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 the commercial and industrial sectors.  
<sup>m</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 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>.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.