

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, 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 <sup>i</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>						
			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	--	--	--
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	<sup>R</sup> 23,144	<sup>R</sup> 210,534	0	--	--	--	--	150,598	--	--	--
2017	3,915	741	50,764	8,849	5,459	121,855	410	<sup>R</sup> 22,217	<sup>R</sup> 209,554	0	--	--	--	--	146,644	--	--	--
2018	4,028	840	52,303	9,251	6,374	120,783	386	<sup>R</sup> 21,922	<sup>R</sup> 211,019	0	--	--	--	--	152,915	--	--	--
2019	3,988	820	51,096	10,220	5,700	119,595	308	<sup>R</sup> 22,192	<sup>R</sup> 209,110	0	--	--	--	--	148,522	--	--	--
2020	3,277	<sup>R</sup> 784	50,028	9,716	5,546	103,936	353	<sup>R</sup> 20,681	<sup>R</sup> 190,260	0	--	--	--	--	142,615	--	--	--
2021	3,680	<sup>R</sup> 824	<sup>R</sup> 49,056	10,050	7,149	111,848	378	<sup>R</sup> 20,958	<sup>R</sup> 199,439	0	--	--	--	--	147,718	--	--	--
2022	3,261	859	47,452	11,093	9,314	110,385	387	21,442	200,073	0	--	--	--	--	149,500	--	--	--
Trillion Btu																		
1960	756.8	721.7	138.7	14.0	9.8	410.6	72.4	149.9	795.5	<sup>R</sup> (s)	36.7	NA	NA	NA	196.9	<sup>R</sup> 2,507.6	<sup>R</sup> 397.1	<sup>R</sup> 2,904.7
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	<sup>R</sup> 595.6	<sup>R</sup> 3,824.8
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	<sup>R</sup> 813.7	<sup>R</sup> 3,845.6
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	<sup>R</sup> 1,124.7	<sup>R</sup> 3,808.0
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	<sup>R</sup> 1,324.5	<sup>R</sup> 4,259.6
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	<sup>R</sup> 1,250.2	<sup>R</sup> 4,069.6
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	<sup>R</sup> 1,182.5	<sup>R</sup> 3,911.9
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	<sup>R</sup> 1,223.8	<sup>R</sup> 4,038.1
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	<sup>R</sup> 1,201.0	<sup>R</sup> 3,987.7
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	0.2	499.2	2,546.9	<sup>R</sup> 1,105.8	<sup>R</sup> 3,652.6
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	<sup>R</sup> 2,599.5	<sup>R</sup> 1,174.9	<sup>R</sup> 3,774.4
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	<sup>R</sup> 0.3	528.0	<sup>R</sup> 2,581.5	<sup>R</sup> 1,147.1	<sup>R</sup> 3,728.6
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	<sup>R</sup> 0.4	520.2	<sup>R</sup> 2,503.8	<sup>R</sup> 1,076.1	<sup>R</sup> 3,579.9
2013	141.0	779.4	290.9	34.0	26.6	600.5	3.2	132.2	1,087.4	0.0	56.5	25.5	3.4	<sup>R</sup> 0.5	512.8	<sup>R</sup> 2,606.4	<sup>R</sup> 1,050.6	<sup>R</sup> 3,657.0
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	<sup>R</sup> 0.6	514.1	<sup>R</sup> 2,719.5	<sup>R</sup> 1,042.1	<sup>R</sup> 3,761.5
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	<sup>R</sup> 0.6	509.1	<sup>R</sup> 2,653.4	<sup>R</sup> 1,005.7	<sup>R</sup> 3,659.2
2016	113.5	769.3	287.6	33.8	34.6	616.3	3.9	<sup>R</sup> 143.5	1,119.6	0.0	50.5	31.3	3.4	<sup>R</sup> 0.7	513.8	<sup>R</sup> 2,602.2	<sup>R</sup> 1,008.5	<sup>R</sup> 3,610.7
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	<sup>R</sup> 0.7	500.3	<sup>R</sup> 2,599.8	<sup>R</sup> 957.0	<sup>R</sup> 3,556.8
2018	114.1	895.8	301.2	35.5	36.1	610.4	2.4	135.4	<sup>R</sup> 1,121.2	0.0	46.5	33.8	3.4	<sup>R</sup> 0.8	521.7	<sup>R</sup> 2,737.2	<sup>R</sup> 960.4	<sup>R</sup> 3,697.7
2019	113.5	874.7	294.3	39.2	32.3	604.2	1.9	136.9	1,108.9	0.0	46.2	33.2	3.4	<sup>R</sup> 1.0	506.8	<sup>R</sup> 2,687.6	<sup>R</sup> 890.9	<sup>R</sup> 3,578.5
2020	93.2	<sup>R</sup> 839.2	288.0	37.3	31.4	525.1	2.2	<sup>R</sup> 127.8	<sup>R</sup> 1,011.8	0.0	<sup>R</sup> 39.1	28.2	3.4	<sup>R</sup> 1.1	486.6	<sup>R</sup> 2,502.7	<sup>R</sup> 838.5	<sup>R</sup> 3,341.2
2021	104.9	<sup>R</sup> 884.9	<sup>R</sup> 282.8	38.6	40.5	564.8	2.4	128.9	<sup>R</sup> 1,058.0	0.0	<sup>R</sup> 38.9	30.9	3.4	<sup>R</sup> 1.3	504.0	<sup>R</sup> 2,624.7	<sup>R</sup> 858.8	<sup>R</sup> 3,483.5
2022	92.6	919.8	273.6	42.6	52.8	557.3	2.4	132.2	1,060.9	0.0	40.2	34.5	3.4	1.4	510.1	2,661.8	842.7	3,504.5

<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. 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/>