

OHIO
Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2018, Ohio
 (Trillion Btu)

Year	Fossil Fuels										Fossil Fuels (as commingled)			
	Coal	Natural Gas including Supplemental Gaseous Fuels ^a	Petroleum							Total	Total	Natural Gas including Supplemental Gaseous Fuels ^a	Distillate Fuel Oil including Biodiesel ^a	Motor Gasoline including Fuel Ethanol ^a
			Distillate Fuel Oil excluding Biodiesel ^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	58.8	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	276.6	33.5	72.3	574.0	4.6	164.3	R 1,125.3	R 3,163.3	770.8	276.6	R 574.0	
2010	1,355.1	810.6	295.0	36.8	75.8	575.0	4.1	148.0	R 1,134.7	R 3,300.4	810.6	295.0	R 575.0	
2011	1,222.6	848.8	293.8	37.3	75.7	557.1	3.1	144.2	R 1,111.1	R 3,182.5	848.8	293.8	R 557.1	
2012	1,019.1	869.6	283.2	31.0	71.9	552.9	1.2	149.7	R 1,089.8	R 2,978.5	869.6	283.2	R 552.9	
2013	1,104.5	945.7	285.5	34.0	75.2	558.1	3.2	147.1	R 1,103.0	R 3,153.3	945.7	285.5	R 558.1	
2014	1,057.4	1,058.8	298.3	36.6	70.7	R 558.2	2.2	139.1	R 1,105.2	R 3,221.4	1,058.8	298.3	R 558.2	
2015	865.7	1,031.7	295.5	33.2	70.8	572.1	2.7	148.7	R 1,123.0	R 3,020.4	1,031.7	295.5	R 572.1	
2016	825.3	994.2	280.5	33.8	67.4	576.3	3.9	R 156.6	R 1,118.3	R 2,937.8	994.2	280.5	R 576.3	
2017	811.0	R 1,014.3	286.2	34.0	59.8	575.1	2.6	R 147.8	R 1,105.4	R 2,930.6	R 1,014.3	286.2	R 575.1	
2018	717.8	1,211.9	296.3	35.5	54.4	570.5	2.4	151.4	1,110.5	3,040.2	1,211.9	296.3	570.5	

^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>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2018, Ohio (Continued)
(Trillion Btu)

Year	Nuclear Electric Power	Hydro-electric Power ^{e,f}	Renewable Energy									Net Interstate Flow of Electricity ^k	Electricity Net Imports ^l	Total ^f
			Biomass					Geo-thermal ^f	Solar ^{f,j}	Wind	Total ^f			
			Wood and Waste ^{f,g}	Fuel Ethanol ^h	Biodiesel	Losses and Co-products ⁱ	Total ^f							
1960	0.0	0.2	36.8	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	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	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	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	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	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	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	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	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	58.5	0.0	NA	NA	58.6	247.1	0.0	4,198.4
1978	26.5	(s)	69.6	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	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	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	0.0	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	1.3	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	2.5	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	2.9	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	3.1	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	3.3	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	3.6	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	3.6	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	3.4	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	2.8	77.7	0.3	(s)	0.0	80.0	R 341.3	0.0	R 3,823.0
1991	155.5	1.6	70.8	9.2	NA	3.3	83.3	0.4	(s)	0.0	85.3	R 314.2	0.0	R 3,821.4
1992	155.0	2.6	66.7	11.5	NA	2.9	81.1	0.4	(s)	0.0	84.1	R 275.3	0.0	R 3,864.9
1993	105.2	2.0	44.2	16.3	NA	3.1	63.6	0.4	(s)	0.0	66.0	R 349.5	0.0	R 3,917.0
1994	114.5	2.0	69.0	19.1	NA	3.7	91.8	0.5	(s)	0.0	94.3	R 445.1	0.0	R 4,026.9
1995	176.2	2.4	65.3	17.9	NA	1.7	84.9	0.5	(s)	0.0	87.8	R 426.2	0.0	R 4,109.2
1996	146.2	4.1	74.2	7.0	NA	0.0	81.3	0.6	(s)	0.0	86.0	R 363.9	0.0	R 4,196.1
1997	160.9	5.2	68.3	12.7	NA	0.0	81.1	0.6	0.1	0.0	86.9	R 375.6	0.0	R 4,180.8
1998	172.8	4.1	62.3	18.7	NA	0.0	81.0	0.7	0.1	0.0	86.0	R 328.2	0.0	R 4,080.0
1999	171.6	4.3	69.1	19.2	NA	0.0	88.4	0.8	0.1	0.0	93.6	R 457.1	0.0	R 4,245.9
2000	175.0	5.9	72.5	19.6	NA	0.0	92.1	0.8	0.1	0.0	98.9	R 392.6	0.0	R 4,273.4
2001	161.5	5.3	44.9	17.2	0.1	0.0	R 62.2	0.8	0.1	0.0	R 68.4	R 323.6	0.0	R 4,011.0
2002	113.5	5.0	32.2	16.9	0.1	0.0	R 49.1	0.9	0.1	0.0	R 55.1	R 255.7	(s)	R 3,954.6
2003	88.3	5.2	41.5	15.6	0.1	0.0	57.1	1.2	0.1	0.0	63.6	R 243.4	(s)	R 4,020.6
2004	166.3	7.3	42.5	15.4	0.2	0.0	R 58.0	1.3	0.1	0.0	R 66.8	R 264.8	-0.2	R 4,054.6
2005	154.5	5.2	47.3	18.8	0.5	0.1	R 66.8	1.5	0.2	0.1	R 73.8	R 232.3	-1.2	R 4,081.4
2006	175.8	6.3	46.7	20.6	1.6	0.2	R 69.0	1.7	0.2	0.1	R 77.3	R 155.4	2.1	R 3,921.6
2007	165.3	4.1	49.9	25.7	2.1	0.2	R 77.9	2.0	0.2	0.1	R 84.3	215.1	1.0	R 4,049.5
2008	183.1	3.8	53.9	35.4	1.8	18.6	R 109.8	2.3	0.2	0.1	R 116.3	R 206.1	0.0	R 3,999.8
2009	159.0	5.2	50.3	39.5	1.9	14.5	R 106.3	2.9	0.2	0.1	R 114.7	229.5	(s)	R 3,666.5
2010	165.2	4.2	59.8	37.7	1.5	21.7	R 120.7	3.2	0.4	0.1	R 128.7	R 236.6	0.0	R 3,830.9
2011	155.8	3.7	59.2	38.5	5.3	24.7	R 127.6	3.4	0.6	1.9	R 137.2	322.9	0.0	R 3,798.4
2012	179.1	3.9	55.5	40.7	5.0	23.6	R 124.8	3.4	1.2	9.4	R 142.7	R 358.9	0.0	R 3,659.2
2013	168.5	5.2	63.2	42.4	8.1	25.8	R 139.4	3.4	1.3	10.9	R 160.4	R 252.2	0.0	R 3,734.3
2014	170.3	4.5	63.6	R 41.6	7.7	29.2	R 142.2	3.4	1.6	11.0	R 162.7	280.0	0.0	R 3,834.4
2015	181.7	4.3	60.3	39.6	6.7	28.3	R 134.9	3.4	1.7	11.2	R 155.5	388.2	0.0	R 3,745.9
2016	175.9	4.6	R 56.8	40.1	9.5	28.2	R 134.6	3.4	1.9	11.5	R 156.0	425.5	(s)	R 3,695.2
2017	185.0	2.6	R 55.6	40.7	8.2	28.7	R 133.2	3.4	2.4	14.6	R 156.2	373.5	0.1	R 3,645.4
2018	191.5	2.2	57.1	39.9	7.5	29.8	134.2	3.4	2.8	15.9	158.6	365.3	0.3	3,755.9

^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 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.

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Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.