

KENTUCKY
Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2019, Kentucky
 (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 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	286.7	153.8	28.2	15.8	2.7	113.1	2.1	38.4	200.4	641.0	153.8	28.2	113.1	
1965	415.5	176.7	32.4	22.3	7.2	135.4	3.8	54.7	255.8	848.0	176.7	32.4	135.4	
1970	527.1	252.3	47.8	35.7	17.4	176.4	6.7	73.7	357.6	1,136.9	252.3	47.8	176.4	
1971	550.4	248.5	45.3	36.7	15.0	187.6	4.1	72.2	361.0	1,159.9	248.5	45.3	187.6	
1972	583.8	259.5	55.7	42.3	12.4	197.3	7.5	72.7	388.0	1,231.3	259.5	55.7	197.3	
1973	573.4	250.1	62.6	45.3	13.3	206.8	7.0	82.5	417.4	1,240.9	250.1	62.6	206.8	
1974	593.8	231.4	60.7	43.8	11.4	207.7	13.0	72.2	408.7	1,234.0	231.4	60.7	207.7	
1975	558.3	209.2	63.6	40.2	12.1	214.4	13.6	71.6	415.5	1,183.0	209.2	63.6	214.4	
1976	617.5	248.7	79.5	41.4	12.2	225.0	15.4	72.6	446.1	1,312.3	248.7	79.5	225.0	
1977	613.5	221.9	99.3	42.0	12.5	230.8	17.8	75.6	478.1	1,313.5	221.9	99.3	230.8	
1978	617.2	215.0	111.3	44.1	14.4	236.0	15.3	76.6	497.7	1,329.9	215.0	111.3	236.0	
1979	609.3	220.9	124.0	38.9	14.5	223.6	8.6	92.6	502.2	1,332.3	220.9	124.0	223.6	
1980	641.7	204.1	133.4	36.8	16.3	209.2	6.4	78.9	481.0	1,326.8	204.1	133.4	209.2	
1981	663.9	202.2	106.0	28.4	18.2	211.1	7.2	62.1	432.9	1,299.1	202.2	106.0	211.1	
1982	627.0	191.0	101.8	25.3	20.9	210.5	7.3	64.1	429.8	1,247.9	191.2	101.8	210.5	
1983	637.8	177.5	119.0	25.5	22.6	211.5	7.4	63.6	449.7	1,265.0	177.8	119.0	211.5	
1984	671.0	193.3	133.1	20.5	18.4	214.2	4.9	66.6	457.9	1,322.2	193.4	133.1	214.2	
1985	716.9	177.7	128.7	19.8	19.3	209.7	3.9	63.0	444.4	1,339.0	177.7	128.7	209.7	
1986	749.9	173.5	119.9	18.5	20.0	223.3	4.6	63.9	450.4	1,373.8	173.5	119.9	223.3	
1987	746.7	178.3	124.5	24.6	27.3	226.2	5.4	73.9	481.9	1,406.9	178.3	124.5	226.2	
1988	821.8	190.9	146.5	24.4	28.2	231.8	3.6	77.2	511.6	1,524.3	190.9	146.5	231.8	
1989	767.6	195.8	168.4	23.2	28.7	228.1	3.0	76.2	527.6	1,491.0	195.9	168.4	228.1	
1990	803.5	191.7	141.1	22.1	32.3	226.1	3.4	76.6	501.6	1,496.8	191.7	141.1	226.1	
1991	802.7	196.3	131.3	24.1	36.0	229.9	2.9	73.8	497.9	1,496.9	196.3	131.3	229.9	
1992	812.9	200.9	146.3	23.2	38.9	235.3	2.6	81.9	528.2	1,542.0	200.9	146.3	235.3	
1993	921.1	213.1	159.6	21.1	32.3	236.6	2.1	75.0	526.6	1,660.8	213.1	159.6	236.7	
1994	896.4	221.3	152.4	20.7	35.9	239.9	2.0	77.2	528.2	1,645.8	221.3	152.4	240.8	
1995	929.4	245.6	159.0	20.4	35.7	249.9	1.3	74.5	540.9	1,715.8	245.6	159.0	250.3	
1996	952.1	248.0	161.2	26.2	31.7	226.4	1.5	80.2	527.3	1,727.4	248.1	161.2	226.9	
1997	977.8	239.3	163.3	31.6	25.8	260.6	1.0	81.2	563.5	1,780.6	239.3	163.3	261.2	
1998	959.0	212.1	163.5	27.0	30.3	261.0	0.3	98.0	580.2	1,751.3	212.1	163.5	261.3	
1999	987.6	225.4	159.8	33.2	39.5	264.7	0.5	109.0	606.8	1,819.8	225.4	159.8	265.0	
2000	997.6	234.2	172.5	35.5	37.7	254.2	0.6	94.2	594.5	1,826.3	234.2	172.5	254.4	
2001	1,013.1	216.7	178.8	34.9	34.0	266.3	0.9	113.0	628.0	1,857.7	216.7	178.8	266.6	
2002	950.9	236.1	196.8	38.5	36.0	262.1	0.6	149.2	683.2	1,870.2	236.1	196.8	264.2	
2003	943.7	231.4	155.4	31.5	45.6	269.0	0.8	142.1	644.5	1,819.5	231.5	155.4	273.9	
2004	961.8	233.4	176.2	34.2	51.3	282.9	0.4	159.0	704.0	1,899.1	233.4	176.2	287.2	
2005	986.3	240.9	182.8	35.3	47.0	270.3	0.9	161.4	697.6	1,924.8	240.9	182.8	279.8	
2006	1,023.3	217.2	190.2	34.4	40.3	269.6	0.7	164.3	699.4	1,939.9	217.2	190.2	279.5	
2007	1,020.7	235.9	193.7	34.5	45.2	266.4	0.7	149.6	690.1	1,946.7	236.0	193.7	278.3	
2008	1,024.8	233.2	179.5	34.8	42.1	249.9	(s)	139.4	645.7	1,903.7	233.2	179.5	265.2	
2009	937.1	214.3	166.6	30.1	55.8	254.4	0.4	133.1	640.4	1,791.7	214.3	167.7	271.2	
2010	1,009.8	239.1	169.2	R 57.1	R 59.9	251.3	0.4	110.3	R 648.1	R 1,897.0	239.1	170.2	268.6	
2011	1,010.6	229.0	177.0	R 57.0	R 62.4	242.4	0.0	95.0	R 633.8	R 1,873.5	229.1	180.2	259.5	
2012	909.7	232.7	162.4	R 54.2	R 61.7	238.4	0.2	105.4	R 622.4	R 1,764.8	232.7	165.3	256.2	
2013	914.8	235.7	158.5	R 37.7	R 63.7	237.8	0.2	88.3	R 586.3	R 1,736.8	235.7	163.0	255.9	
2014	913.5	262.3	158.7	34.7	R 64.4	235.9	0.2	90.9	R 584.6	R 1,760.3	262.3	162.7	253.6	
2015	796.5	276.9	152.6	35.7	R 67.1	244.7	0.1	95.4	R 595.6	R 1,669.0	276.9	156.1	262.1	
2016	736.6	279.9	150.8	30.6	R 70.2	250.6	(s)	103.0	R 605.2	R 1,621.8	280.0	155.9	268.4	
2017	639.4	296.7	146.3	31.7	R 78.0	249.4	0.2	R 78.2	R 583.7	R 1,519.8	296.7	150.5	267.3	
2018	655.9	R 356.7	157.8	35.9	R 85.5	250.2	0.1	R 78.1	R 607.6	R 1,620.2	R 356.8	161.8	268.0	
2019	574.5	356.1	152.7	39.1	92.2	249.3	0.0	78.6	612.0	1,542.6	356.1	155.8	267.4	

^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, 1960-2019, Kentucky (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 ^{f,j}	Wind	Total ^f			
			Wood and Waste ^{f,g}	Fuel Ethanol ^h	Biodiesel	Losses and Co-products ⁱ	Total ^f							
1960	0.0	28.3	22.4	NA	NA	NA	22.4	0.0	NA	NA	50.8	131.5	0.0	823.2
1965	0.0	25.8	21.7	NA	NA	NA	21.7	0.0	NA	NA	47.4	4.1	0.0	899.6
1970	0.0	33.3	23.7	NA	NA	NA	23.7	0.0	NA	NA	57.0	-89.3	0.0	1,104.7
1971	0.0	37.1	24.9	NA	NA	NA	24.9	0.0	NA	NA	61.9	-104.1	0.0	1,117.7
1972	0.0	39.1	27.4	NA	NA	NA	27.4	0.0	NA	NA	66.6	-94.8	0.0	1,203.1
1973	0.0	39.7	27.9	NA	NA	NA	27.9	0.0	NA	NA	67.6	-71.6	0.0	1,237.0
1974	0.0	35.5	31.2	NA	NA	NA	31.2	0.0	NA	NA	66.7	-72.3	0.0	1,228.3
1975	0.0	36.0	30.8	NA	NA	NA	30.8	0.0	NA	NA	66.9	28.5	0.0	1,278.4
1976	0.0	32.8	35.3	NA	NA	NA	35.3	0.0	NA	NA	68.1	20.0	0.0	1,400.4
1977	0.0	34.6	29.6	NA	NA	NA	29.6	0.0	NA	NA	64.1	36.4	0.0	1,414.0
1978	0.0	33.0	37.6	NA	NA	NA	37.6	0.0	NA	NA	70.5	-0.3	0.0	1,400.1
1979	0.0	40.8	41.7	NA	NA	NA	41.7	0.0	NA	NA	82.5	17.8	0.0	1,432.6
1980	0.0	30.5	25.3	NA	NA	NA	25.3	0.0	NA	NA	55.8	-14.6	0.0	1,368.0
1981	0.0	27.2	28.0	(s)	NA	0.0	28.0	0.0	NA	NA	55.2	-56.9	0.0	1,297.3
1982	0.0	34.9	34.4	0.2	NA	0.0	34.6	0.0	NA	NA	69.5	-55.3	0.0	1,262.1
1983	0.0	34.1	30.9	0.8	NA	0.0	31.7	0.0	NA	0.0	65.8	-54.2	0.0	1,276.6
1984	0.0	36.7	38.0	2.6	NA	0.0	40.6	0.0	0.0	0.0	77.3	-24.1	0.0	1,375.3
1985	0.0	30.7	38.8	3.6	NA	0.0	42.4	0.0	0.0	0.0	73.2	-82.4	0.0	1,329.7
1986	0.0	28.6	34.7	5.5	NA	0.0	40.3	0.0	0.0	0.0	68.8	-138.1	0.0	1,304.6
1987	0.0	30.7	29.7	6.4	NA	0.0	36.1	0.0	0.0	0.0	66.8	-132.4	0.0	1,341.3
1988	0.0	25.0	31.4	5.5	NA	0.0	37.0	0.0	0.0	0.0	62.0	-167.2	0.0	1,419.1
1989	0.0	45.9	26.9	4.0	NA	0.0	30.9	0.2	(s)	0.0	77.1	-59.1	0.0	1,509.0
1990	0.0	32.9	17.4	2.9	NA	0.0	20.3	0.2	(s)	0.0	53.4	-60.3	0.0	1,489.9
1991	0.0	38.2	18.2	2.9	NA	0.0	21.1	0.3	(s)	0.0	59.5	-40.6	0.0	1,515.8
1992	0.0	39.0	18.8	3.4	NA	0.0	22.1	0.3	(s)	0.0	61.4	-21.2	0.0	1,582.2
1993	0.0	32.5	15.2	2.1	NA	0.0	17.3	0.3	(s)	0.0	50.1	-92.3	0.0	1,618.6
1994	0.0	41.4	14.9	0.9	NA	0.0	15.8	0.4	(s)	0.0	57.6	-31.6	0.0	1,671.8
1995	0.0	35.3	15.5	0.4	NA	0.0	15.9	0.4	(s)	0.0	51.7	-25.5	0.0	1,741.9
1996	0.0	36.2	18.5	0.5	NA	0.0	19.0	0.4	(s)	0.0	55.6	-21.9	0.0	1,761.0
1997	0.0	34.5	13.0	0.6	NA	0.0	13.5	0.5	(s)	0.0	48.5	-61.3	0.0	1,767.8
1998	0.0	31.8	11.1	0.3	NA	0.0	11.5	0.6	(s)	0.0	43.8	-70.1	0.0	1,725.0
1999	0.0	26.1	11.5	0.3	NA	0.0	11.8	0.6	(s)	0.0	38.5	-42.9	0.0	1,815.4
2000	0.0	23.7	11.7	0.2	NA	0.0	12.0	0.6	(s)	0.0	36.3	-60.0	0.0	1,802.6
2001	0.0	39.8	12.7	0.3	(s)	(s)	13.0	0.7	(s)	0.0	53.5	-78.7	0.0	1,832.6
2002	0.0	40.9	21.2	2.2	(s)	(s)	23.4	0.7	(s)	0.0	65.1	54.3	0.0	1,989.6
2003	0.0	40.0	24.6	4.9	(s)	(s)	29.6	1.0	(s)	0.0	70.5	33.7	0.0	1,923.8
2004	0.0	37.9	26.4	4.3	0.1	1.5	32.2	1.1	(s)	0.0	71.2	27.7	0.0	1,998.0
2005	0.0	29.6	32.6	9.5	0.3	1.4	43.8	1.2	(s)	0.0	74.7	18.7	(s)	2,018.2
2006	0.0	25.7	30.4	9.9	0.9	1.7	42.9	1.4	(s)	0.0	70.1	-0.6	0.0	2,009.3
2007	0.0	16.5	32.5	11.9	1.3	2.0	47.7	1.6	(s)	0.0	65.8	31.7	0.0	2,044.2
2008	0.0	18.9	32.3	15.3	1.1	2.0	50.7	1.9	(s)	0.0	71.5	32.9	0.0	2,008.1
2009	0.0	32.4	30.4	16.8	1.2	2.0	50.3	2.3	0.1	0.0	85.0	53.8	0.0	1,930.5
2010	0.0	25.2	36.7	17.2	0.9	R 1.9	R 56.7	2.5	0.1	0.0	R 84.5	25.3	0.0	R 2,006.9
2011	0.0	28.8	36.8	17.1	3.2	R 1.7	R 58.8	2.7	0.1	0.0	R 90.5	-26.2	0.0	R 1,937.8
2012	0.0	22.5	32.9	17.7	2.9	R 1.5	R 55.1	2.7	0.1	0.0	R 80.3	58.6	0.0	R 1,903.7
2013	0.0	31.2	38.2	18.1	4.5	R 1.5	R 62.3	2.7	0.2	0.0	R 96.5	11.4	0.0	R 1,844.6
2014	0.0	29.9	40.5	17.7	4.1	R 1.5	R 63.8	2.7	0.2	0.0	R 96.6	-73.4	0.0	R 1,783.6
2015	0.0	31.7	32.4	17.4	3.5	R 1.5	R 54.8	2.7	0.2	0.0	R 89.4	-24.0	0.0	R 1,734.4
2016	0.0	R 32.1	R 32.1	17.8	5.1	R 1.6	R 56.6	2.7	0.4	0.0	R 91.8	R -5.7	0.0	R 1,707.9
2017	0.0	41.5	R 34.9	18.0	4.2	R 1.6	R 58.7	2.7	0.5	0.0	R 103.4	43.4	(s)	R 1,666.5
2018	0.0	40.2	R 36.7	17.8	4.0	R 1.6	R 60.1	2.7	0.7	0.0	R 103.8	25.4	(s)	R 1,749.4
2019	0.0	37.7	37.4	18.0	3.1	2.4	60.4	2.7	0.8	0.0	101.6	78.9	0.0	1,723.0

^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.

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.