

ALABAMA
Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, Alabama
 (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	395.4	190.7	31.4	12.3	6.1	129.1	27.0	30.2	236.0	822.1	190.7	31.4	129.1	
1965	533.1	236.9	30.6	16.1	6.2	151.9	16.0	41.0	261.9	1,032.0	236.9	30.6	151.9	
1970	675.6	307.8	49.6	28.8	9.9	194.4	20.7	48.7	352.0	1,335.4	307.8	49.6	194.4	
1971	626.1	294.8	51.6	30.5	9.8	205.2	16.7	51.2	365.0	1,285.9	294.8	51.6	205.2	
1972	669.7	287.1	70.4	34.0	9.4	217.4	19.7	54.2	405.1	1,362.0	287.1	70.4	217.4	
1973	688.7	280.0	84.0	32.1	9.3	229.5	38.4	57.3	450.5	1,419.1	280.0	84.0	229.5	
1974	653.4	282.5	87.8	26.8	9.4	231.7	64.9	55.6	476.2	1,412.1	282.5	87.8	231.7	
1975	640.1	271.7	85.6	24.6	9.4	237.3	81.4	49.5	487.8	1,399.6	271.7	85.6	237.3	
1976	632.1	232.8	106.4	27.0	9.1	249.3	89.6	51.4	532.9	1,397.7	232.8	106.4	249.3	
1977	629.4	248.7	115.2	29.1	9.8	258.3	102.5	58.5	573.5	1,451.6	248.7	115.2	258.3	
1978	577.6	245.0	120.0	25.5	9.9	266.4	93.9	61.9	577.7	1,400.3	245.0	120.0	266.4	
1979	670.2	291.5	87.7	21.2	9.5	251.7	64.4	56.8	491.3	1,453.0	291.5	87.7	251.7	
1980	661.0	278.3	88.5	18.4	11.3	232.7	45.9	53.6	450.4	1,389.7	278.3	88.5	232.7	
1981	630.0	281.0	104.5	17.1	9.7	226.0	29.2	58.0	444.5	1,355.5	281.0	104.5	226.0	
1982	511.1	253.4	89.8	16.4	8.7	225.6	38.5	61.3	440.4	1,204.8	253.5	89.8	225.6	
1983	532.6	230.0	89.6	16.6	9.1	227.9	21.8	50.5	415.6	1,178.2	230.0	89.6	227.9	
1984	584.6	239.6	83.2	12.7	20.7	232.1	17.0	49.8	415.6	1,239.8	239.7	83.2	232.1	
1985	662.9	227.8	84.6	13.6	19.7	228.4	14.1	49.7	410.0	1,300.7	227.8	84.6	228.4	
1986	660.5	210.2	85.4	15.1	21.0	244.0	15.5	44.4	425.3	1,296.1	210.2	85.4	244.0	
1987	660.7	214.6	93.4	17.5	21.7	254.9	15.3	57.9	460.7	1,336.0	214.6	93.4	254.9	
1988	652.7	243.2	103.7	16.7	10.4	256.1	21.6	55.3	463.7	1,359.6	243.2	103.7	256.1	
1989	682.1	253.6	124.2	18.0	11.4	260.0	22.9	51.6	487.9	1,423.6	253.6	124.2	260.0	
1990	682.5	252.1	125.7	15.6	10.6	258.4	24.6	48.0	482.9	1,417.5	252.5	125.7	258.4	
1991	723.9	261.5	123.2	14.2	12.6	260.2	22.2	54.2	486.5	1,471.9	261.8	123.2	260.2	
1992	775.7	287.9	124.7	14.7	11.7	265.8	24.3	50.7	492.0	1,555.6	288.1	124.7	265.8	
1993	812.9	302.2	122.3	18.7	11.0	269.7	25.2	51.3	498.1	1,613.3	302.7	122.3	271.1	
1994	773.8	299.3	136.9	19.1	19.6	276.0	21.3	52.8	525.7	1,598.8	299.3	136.9	277.5	
1995	828.3	332.4	137.7	19.0	21.8	286.7	19.6	51.7	536.3	1,697.0	332.4	137.7	288.7	
1996	890.7	337.8	137.5	18.1	19.9	286.2	19.8	57.6	539.1	1,767.6	337.8	137.5	286.6	
1997	867.3	337.4	134.2	16.1	12.4	289.5	16.0	56.7	524.9	1,729.6	337.5	134.2	289.9	
1998	856.5	342.0	130.4	12.4	20.0	298.5	9.1	48.3	518.6	1,717.1	342.0	130.4	298.7	
1999	866.5	349.1	140.0	26.4	11.1	300.0	9.2	49.7	536.4	1,752.0	349.1	140.0	300.0	
2000	904.2	368.5	143.2	27.7	13.3	297.3	26.6	51.6	559.7	1,832.4	368.5	143.2	297.3	
2001	842.3	344.0	135.8	26.5	13.3	298.9	9.5	50.8	534.8	1,721.1	344.0	135.8	300.2	
2002	846.0	390.0	132.2	19.7	12.8	319.4	25.1	53.2	562.4	1,798.3	390.0	132.2	320.3	
2003	873.7	360.5	162.7	15.7	14.6	306.4	8.1	54.3	561.7	1,795.9	360.5	162.7	307.7	
2004	853.9	391.9	182.2	16.7	14.5	320.2	10.7	65.6	610.0	1,855.8	391.9	182.2	322.8	
2005	890.1	363.4	173.9	11.2	14.0	326.2	11.2	70.3	606.8	1,860.3	363.4	173.9	326.4	
2006	886.7	402.0	174.3	12.5	13.1	328.9	14.2	68.2	611.3	1,900.0	402.0	174.3	329.1	
2007	888.4	430.6	169.4	14.4	13.2	330.2	13.6	60.5	601.2	1,920.3	430.6	169.4	330.6	
2008	842.8	414.3	152.4	13.6	12.3	315.5	13.6	58.9	566.3	1,823.4	414.3	152.4	319.2	
2009	631.0	466.3	R 138.6	12.1	9.9	309.6	7.1	39.8	R 517.1	R 1,614.3	466.3	139.9	318.7	
2010	718.7	544.4	R 147.1	13.3	12.1	297.3	10.3	41.1	R 521.2	R 1,784.2	544.4	148.0	320.6	
2011	651.0	609.3	R 153.1	10.7	13.6	288.8	13.4	41.8	R 521.3	R 1,781.7	609.3	155.4	310.8	
2012	547.0	677.4	R 154.2	8.7	13.0	285.8	11.5	40.9	R 514.0	R 1,738.4	677.4	156.6	307.0	
2013	565.1	625.9	R 140.8	9.1	11.4	287.9	6.9	36.1	R 492.3	R 1,683.2	625.9	145.1	309.8	
2014	575.9	650.6	R 139.3	9.1	11.6	287.6	7.7	35.0	R 490.3	R 1,716.8	650.6	143.4	309.6	
2015	494.3	701.6	R 149.1	9.0	11.1	299.9	6.8	35.8	R 511.7	R 1,707.6	701.6	153.7	323.0	
2016	410.2	715.0	R 162.3	8.6	10.4	308.8	11.9	36.9	R 539.0	R 1,664.2	715.0	169.1	332.5	
2017	378.9	681.2	R 157.3	8.6	11.5	304.1	11.0	37.8	R 530.4	R 1,590.5	681.2	163.5	327.5	
2018	377.2	771.2	R 151.3	9.5	11.4	304.0	7.2	35.2	R 518.7	R 1,667.0	771.2	156.4	326.0	
2019	317.2	748.7	R 150.9	10.2	12.1	314.6	7.1	R 34.3	R 529.3	R 1,595.2	748.7	155.9	336.6	
2020	256.7	R 714.9	R 147.5	10.1	R 8.8	319.2	5.2	R 35.1	R 525.9	R 1,497.4	R 714.9	152.7	340.8	
2021	309.8	739.5	157.1	10.2	9.6	359.7	8.6	37.0	580.0	1,629.4	739.5	159.5	385.2	

^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, Alabama (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						Geothermal ^f	Solar ^{f,j}	Wind	Total ^f			
			Wood and Waste ^g	Fuel Ethanol ^h	Biodiesel	Renewable Diesel	Losses and Co-products ⁱ	Total ^f							
1960	0.0	67.1	45.7	NA	NA	NA	45.7	0.0	NA	NA	112.8	-68.3	0.0	866.6	
1965	0.0	74.2	47.6	NA	NA	NA	47.6	0.0	NA	NA	121.9	-109.3	0.0	1,044.6	
1970	0.0	80.1	52.4	NA	NA	NA	52.4	0.0	NA	NA	132.5	-74.4	0.0	1,393.5	
1971	0.0	104.1	54.1	NA	NA	NA	54.1	0.0	NA	NA	158.2	-59.1	0.0	1,384.9	
1972	0.0	106.2	58.7	NA	NA	NA	58.7	0.0	NA	NA	164.9	-48.9	0.0	1,478.0	
1973	3.4	122.6	59.1	NA	NA	NA	59.1	0.0	NA	NA	181.7	-77.1	0.0	1,527.2	
1974	70.2	108.3	58.5	NA	NA	NA	58.5	0.0	NA	NA	166.7	-101.3	0.0	1,547.7	
1975	30.0	127.1	57.6	NA	NA	NA	57.6	0.0	NA	NA	184.7	-99.2	0.0	1,515.1	
1976	46.6	98.1	62.9	NA	NA	NA	62.9	0.0	NA	NA	161.0	-53.5	0.0	1,551.8	
1977	210.2	108.0	66.7	NA	NA	NA	66.7	0.0	NA	NA	174.8	-213.2	0.0	1,623.4	
1978	249.8	81.8	66.6	NA	NA	NA	66.6	0.0	NA	NA	148.3	-160.0	0.0	1,638.4	
1979	240.3	122.9	67.9	NA	NA	NA	67.9	0.0	NA	NA	190.7	-235.3	0.0	1,648.8	
1980	256.3	97.7	141.0	NA	NA	NA	141.0	0.0	NA	NA	238.8	-239.9	0.0	1,644.9	
1981	260.8	63.1	150.2	0.0	NA	NA	150.2	0.0	NA	NA	213.4	-225.6	0.0	1,604.0	
1982	306.7	112.2	153.3	0.1	NA	NA	153.4	0.0	NA	NA	265.5	-278.0	0.0	1,499.0	
1983	274.2	117.5	164.5	0.2	NA	NA	164.7	0.0	NA	0.0	282.2	-288.6	0.0	1,445.9	
1984	262.5	112.7	175.1	0.3	NA	NA	175.4	0.0	0.0	0.0	288.1	-245.8	0.0	1,544.6	
1985	152.0	71.9	175.4	1.3	NA	NA	176.7	0.0	0.0	0.0	248.6	-181.7	0.0	1,519.7	
1986	122.3	54.8	159.0	2.0	NA	NA	160.9	0.0	0.0	0.0	215.8	-129.4	0.0	1,504.7	
1987	117.4	77.9	151.7	3.9	NA	NA	155.7	0.0	0.0	0.0	233.5	-104.3	0.0	1,582.6	
1988	137.6	55.6	157.5	3.5	NA	NA	161.0	0.0	0.0	0.0	216.6	-62.1	0.0	1,651.7	
1989	122.0	137.2	165.0	2.0	NA	NA	167.0	(s)	0.1	0.0	304.4	-166.8	0.0	1,683.2	
1990	127.5	107.8	143.7	1.6	NA	NA	145.3	(s)	0.1	0.0	253.3	-139.0	0.0	1,659.4	
1991	166.4	112.3	143.2	1.6	NA	NA	144.8	(s)	0.1	0.0	257.2	-220.5	0.0	1,675.0	
1992	203.1	106.1	148.7	2.6	NA	NA	151.3	(s)	0.1	0.0	257.6	-273.9	0.0	1,742.4	
1993	187.2	93.1	174.9	1.4	NA	NA	176.2	(s)	0.1	0.0	269.5	-280.8	0.0	1,789.2	
1994	214.1	117.9	214.5	1.5	NA	NA	215.9	(s)	0.2	0.0	334.0	-266.9	0.0	1,880.0	
1995	218.0	98.0	222.0	2.0	NA	NA	224.0	(s)	0.1	0.0	322.1	-282.1	0.0	1,955.1	
1996	312.0	114.6	208.6	0.3	NA	NA	209.0	(s)	0.1	0.0	323.7	-418.4	0.0	1,984.9	
1997	310.3	117.7	181.9	0.3	NA	NA	182.2	(s)	0.1	0.0	300.0	-383.7	0.0	1,956.3	
1998	300.7	107.7	209.2	0.3	NA	NA	209.5	(s)	0.1	0.0	317.3	-337.4	0.0	1,997.7	
1999	322.8	79.3	210.7	(s)	NA	NA	210.7	(s)	0.1	0.0	290.2	-324.4	0.0	2,040.6	
2000	327.1	59.3	203.8	0.0	NA	NA	203.8	0.1	0.1	0.0	263.3	-328.9	0.0	2,093.9	
2001	317.0	86.3	165.0	1.3	(s)	NA	166.3	0.1	0.1	0.0	252.8	-392.1	0.0	1,898.9	
2002	332.7	89.8	162.8	0.9	(s)	NA	163.7	0.1	0.1	0.0	253.6	-424.4	0.0	1,960.2	
2003	330.1	128.2	155.1	1.3	(s)	NA	156.4	0.1	0.1	0.0	284.7	-458.1	0.0	1,952.7	
2004	329.9	106.4	184.1	2.5	0.1	NA	186.7	0.1	0.1	0.0	293.3	-413.1	0.0	2,065.9	
2005	330.8	101.4	178.0	0.2	0.2	NA	178.4	0.1	0.1	0.0	280.0	-405.5	0.0	2,065.6	
2006	333.0	71.9	194.1	0.2	0.6	NA	194.9	0.1	0.1	0.0	266.9	-416.3	0.0	2,083.7	
2007	360.0	40.9	187.1	0.5	0.8	(s)	188.4	0.1	0.1	0.0	229.5	-423.7	0.0	2,086.1	
2008	407.6	60.5	172.7	3.7	0.7	NA	177.2	0.1	0.1	0.0	237.9	-465.8	0.0	2,003.0	
2009	415.4	122.3	142.0	9.1	0.8	NA	151.9	0.1	0.1	0.0	274.4	-504.5	0.0	R 1,799.6	
2010	396.6	84.9	157.1	23.3	0.6	NA	181.0	0.1	0.1	0.0	266.1	-505.0	0.0	R 1,941.9	
2011	411.8	86.3	169.3	22.0	2.1	0.0	193.5	0.1	0.1	0.0	280.0	-556.6	0.0	R 1,916.8	
2012	428.0	70.8	171.1	21.3	2.6	(s)	195.0	0.1	0.1	0.0	266.0	-541.2	0.0	R 1,891.1	
2013	426.5	123.1	187.2	21.9	4.4	(s)	213.6	0.1	0.1	0.0	336.9	-514.5	0.0	R 1,932.0	
2014	431.4	90.0	178.2	22.1	3.4	(s)	203.6	0.1	0.1	0.0	293.9	-475.0	0.0	R 1,967.1	
2015	438.7	91.9	164.9	23.1	4.3	(s)	192.3	0.1	0.1	0.0	284.4	R -513.8	0.0	R 1,916.9	
2016	417.3	64.5	163.8	23.7	7.0	(s)	194.5	0.1	0.4	0.0	259.5	R -418.0	0.0	R 1,923.0	
2017	446.1	85.1	168.8	23.5	5.8	(s)	198.1	0.1	1.8	0.0	285.1	R -417.7	0.0	R 1,903.9	
2018	412.6	R 101.4	168.4	22.0	5.8	(s)	196.2	0.1	3.4	0.0	R 301.2	R -423.4	0.0	R 1,957.4	
2019	R 455.9	R 101.5	166.0	22.1	5.2	(s)	193.3	0.1	3.6	0.0	R 298.5	R -422.6	0.0	R 1,927.0	
2020	R 454.9	R 117.0	160.7	21.6	5.4	(s)	187.6	0.1	3.4	0.0	R 308.2	R -419.2	0.0	R 1,841.4	
2021	480.9	101.9	167.3	25.4	3.8	(s)	196.6	0.1	4.6	0.0	303.2	-448.3	0.0	1,965.2	

^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/>