

**Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Alabama**

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum							Nuclear electric power	Hydro-electric power <sup>g</sup> Million kilowatthours	Wind	Fuel ethanol <sup>h</sup> Thousand barrels	Biodiesel Thousand barrels
			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					
			Thousand barrels											
1960	15,578	184	5,393	3,211	1,126	24,578	4,292	4,898	43,498	0	6,239	0	NA	NA
1965	21,473	229	5,251	4,207	1,156	28,919	2,553	6,667	48,752	0	7,103	0	NA	NA
1970	27,653	298	8,512	7,583	1,799	37,003	3,290	7,907	66,093	0	7,632	0	NA	NA
1971	26,116	286	8,858	8,025	1,786	39,066	2,655	8,316	68,706	0	9,936	0	NA	NA
1972	27,692	278	12,093	8,985	1,704	41,384	3,138	8,766	76,070	0	10,233	0	NA	NA
1973	28,646	272	14,418	8,488	1,681	43,694	6,107	9,283	83,670	314	11,803	0	NA	NA
1974	27,339	275	15,067	7,121	1,706	44,115	10,325	9,020	87,355	6,289	10,369	0	NA	NA
1975	26,609	264	14,697	6,540	1,707	45,174	12,953	8,039	89,108	2,722	12,213	0	NA	NA
1976	26,246	226	18,274	7,182	1,654	47,463	14,244	8,332	97,149	4,214	9,458	0	NA	NA
1977	26,261	241	19,783	7,793	1,773	49,179	16,299	9,510	104,337	19,522	10,354	0	NA	NA
1978	23,748	237	20,607	6,860	1,785	50,715	14,942	10,036	104,944	22,830	7,893	0	NA	NA
1979	27,424	283	15,056	5,756	1,702	47,914	10,246	9,251	89,925	22,090	11,867	0	NA	NA
1980	27,042	269	15,190	4,949	2,048	44,296	7,296	8,728	82,507	23,497	9,408	0	NA	NA
1981	25,779	271	17,944	4,573	1,754	43,028	4,640	9,290	81,229	23,643	6,038	0	0	NA
1982	20,956	241	15,422	4,424	1,581	42,946	6,120	9,920	80,414	27,701	10,731	0	27	NA
1983	21,979	222	15,386	4,450	1,643	43,379	3,468	8,118	76,444	25,145	11,165	0	69	NA
1984	23,936	232	14,290	3,382	3,695	44,188	2,708	7,960	76,223	24,211	10,798	0	78	NA
1985	27,145	219	14,520	3,648	3,516	43,476	2,249	7,887	75,297	14,313	6,886	0	369	NA
1986	26,831	203	14,655	4,024	3,745	46,448	2,464	7,015	78,351	11,561	5,251	0	567	NA
1987	26,683	208	16,026	4,653	3,872	48,533	2,436	9,171	84,691	11,248	7,472	0	1,136	NA
1988	26,441	236	17,799	4,438	1,872	48,748	3,443	8,809	85,108	12,981	5,383	0	1,012	NA
1989	27,701	246	21,316	4,768	2,046	49,488	3,638	8,169	89,424	11,524	13,153	0	566	NA
1990	27,713	245	21,579	4,160	1,899	49,199	3,915	7,581	88,333	12,052	10,367	0	467	NA
1991	29,428	255	21,142	3,807	2,292	49,527	3,533	8,493	88,795	15,875	10,758	0	465	NA
1992	31,588	280	21,413	3,968	2,108	50,605	3,864	7,980	89,937	19,397	10,260	0	745	NA
1993	33,135	294	20,991	5,033	1,973	51,956	4,006	8,050	92,009	17,823	9,034	0	394	NA
1994	31,567	291	23,529	5,132	3,472	53,226	3,381	8,296	97,036	20,480	11,429	0	424	NA
1995	34,389	323	23,653	5,115	3,843	55,472	3,110	8,119	99,312	20,752	9,502	0	581	NA
1996	37,140	327	23,628	4,845	3,508	54,999	3,154	9,027	99,161	29,708	11,082	0	101	NA
1997	36,692	324	23,057	4,269	2,184	55,694	2,542	8,911	96,656	29,573	11,521	0	99	NA
1998	36,415	329	22,409	3,252	3,525	57,416	1,440	7,614	95,655	28,663	10,565	0	82	NA
1999	38,216	337	24,061	7,025	1,963	57,669	1,461	7,850	100,029	30,892	7,760	0	11	NA
2000	40,103	354	24,607	7,381	2,348	57,162	4,229	8,090	103,818	31,369	5,818	0	0	NA
2001	37,694	333	23,337	7,163	2,343	57,718	1,517	8,073	100,151	30,357	8,356	0	373	5
2002	37,072	379	22,718	5,273	2,257	61,607	3,989	8,452	104,297	31,857	8,825	0	254	7
2003	39,306	350	27,959	4,195	2,569	59,207	1,284	8,626	103,839	31,677	12,665	0	367	6
2004	38,908	382	31,319	4,458	2,554	62,118	1,699	10,287	112,435	31,636	10,626	0	726	12
2005	40,568	353	29,891	3,007	2,466	62,866	1,778	11,044	111,052	31,694	10,145	0	48	41
2006	40,551	391	30,040	3,371	2,313	63,465	2,258	10,772	112,219	31,911	7,252	0	44	117
2007	40,423	419	29,284	3,925	2,321	64,300	2,161	9,614	111,606	34,325	4,136	0	137	158
2008	38,987	404	26,373	3,627	2,169	62,517	2,162	9,345	106,195	38,993	6,136	0	1,078	136
2009	29,899	454	24,208	3,217	1,744	62,614	1,126	6,421	99,331	39,716	12,535	0	2,638	144
2010	33,670	535	25,625	3,455	2,131	63,265	1,640	6,634	102,750	37,941	8,704	0	6,714	116
2011	30,670	599	26,940	2,779	2,395	61,385	2,124	6,739	102,362	39,356	8,884	0	6,343	397
2012	25,695	667	27,158	2,262	2,289	60,653	1,823	6,586	100,771	40,841	7,435	0	6,133	490
2013	27,235	615	25,176	2,372	2,016	61,223	1,105	5,798	97,689	40,816	12,899	0	6,306	829
2014	27,135	635	24,885	2,370	2,051	61,205	1,229	5,623	97,362	41,244	9,467	0	6,358	626
2015	23,580	681	26,666	2,338	1,958	63,872	1,088	5,777	101,700	41,951	9,862	0	6,655	794
2016	19,806	695	29,372	2,238	1,841	65,767	1,899	R 5,865	R 106,982	39,902	6,985	0	6,815	1,311
2017	18,494	661	28,407	2,237	2,034	64,822	1,758	R 6,035	R 105,293	42,652	9,237	0	6,747	1,086
2018	18,408	750	27,157	2,478	2,018	64,505	1,148	R 5,623	R 102,929	39,463	11,143	0	6,308	1,079
2019	16,026	728	27,077	2,661	2,134	66,636	1,137	R 5,505	R 105,149	43,657	11,405	0	6,336	R 971
2020	13,220	693	26,531	2,632	1,548	67,450	824	R 5,626	R 104,611	43,551	13,349	0	6,201	998
2021	16,033	R 718	R 27,997	2,657	1,696	76,272	1,371	R 5,977	R 115,971	46,036	11,521	0	7,315	R 727
2022	15,856	764	27,297	2,605	1,699	76,229	1,405	6,102	115,338	42,314	10,188	0	7,940	629

<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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes. See technical notes.  
<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> Includes 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.  
 NA = Not available.  
 Where shown, R = Revised data and (s) = Value less than 0.5.  
 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/>

**ALABAMA**  
**Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Alabama**  
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)			
	Coal	Natural gas excluding supplemental gaseous fuels <sup>a</sup>	Petroleum							Total	Total	Natural gas including supplemental gaseous fuels <sup>a</sup>	Distillate fuel oil including biofuels <sup>a</sup>	Motor gasoline including fuel ethanol <sup>a</sup>
			Distillate fuel oil excluding biofuels <sup>a</sup>	HGL <sup>b</sup>	Jet fuel <sup>c</sup>	Motor gasoline excluding fuel ethanol <sup>a</sup>	Residual fuel oil	Other <sup>d</sup>	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	253.4	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	239.6	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	252.1	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	261.5	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	287.9	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	302.2	122.3	269.7	
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	276.0	
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	286.7	
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	286.2	
1997	867.3	337.4	134.2	16.1	12.4	289.5	16.0	56.7	524.9	1,729.6	337.4	134.2	289.5	
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	298.5	
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	298.9	
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	319.4	
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	306.4	
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	320.2	
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	326.2	
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	328.9	
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	330.2	
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	315.5	
2009	631.0	466.3	138.6	12.1	9.9	309.6	7.1	39.8	517.1	1,614.3	466.3	138.6	309.6	
2010	718.7	544.4	147.1	13.3	12.1	297.3	10.3	41.1	521.2	1,784.2	544.4	147.1	297.3	
2011	651.0	609.3	153.1	10.7	13.6	288.8	13.4	41.8	521.3	1,781.7	609.3	153.1	288.8	
2012	547.0	677.4	154.2	8.7	13.0	285.8	11.5	40.9	514.0	1,738.4	677.4	154.2	285.8	
2013	565.1	625.9	140.8	9.1	11.4	287.9	6.9	36.1	492.3	1,683.2	625.9	140.8	287.9	
2014	575.9	650.6	139.3	9.1	11.6	287.6	7.7	35.0	490.3	1,716.8	650.6	139.3	287.6	
2015	494.3	701.6	149.1	9.0	11.1	299.9	6.8	35.8	511.7	1,707.6	701.6	149.1	299.9	
2016	410.2	715.0	162.3	8.6	10.4	308.8	11.9	36.9	539.0	1,664.2	715.0	162.3	308.8	
2017	378.9	681.2	157.3	8.6	11.5	304.1	11.0	37.7	530.3	1,590.4	681.2	157.3	304.1	
2018	377.2	771.2	151.3	9.5	11.4	304.0	7.2	35.1	518.6	1,666.9	771.2	151.3	304.0	
2019	317.2	748.7	150.9	10.2	12.1	314.6	7.1	34.3	529.3	1,595.2	748.7	150.9	314.6	
2020	256.7	714.9	147.5	10.1	8.8	319.2	5.2	35.1	525.9	1,497.4	714.9	147.5	319.2	
2021	309.8	R 739.9	R 158.9	10.2	9.6	359.7	8.6	R 37.1	R 581.9	R 1,631.6	R 739.9	R 158.9	R 359.7	
2022	297.7	787.2	155.1	10.0	9.6	357.2	8.8	37.9	576.6	1,661.5	787.2	155.1	357.2	

<sup>a</sup> 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."

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

<sup>d</sup> 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, 1960-2022, Alabama (continued)**  
(trillion Btu)

Year	Nuclear electric power	Renewable energy										Net interstate flow of electricity <sup>k</sup>	Electricity net imports <sup>l</sup>	Total <sup>f</sup>	
		Hydro-electric power <sup>e,f</sup>	Biomass						Geo-thermal <sup>f</sup>	Solar <sup>f,j</sup>	Wind				Total <sup>f</sup>
			Wood and waste <sup>f,g</sup>	Fuel ethanol <sup>h</sup>	Biodiesel	Renewable diesel	Losses and co-products <sup>i</sup>	Total <sup>f</sup>							
1960	0.0	R 21.3	45.7	NA	NA	NA	NA	45.7	0.0	NA	NA	R 67.0	R -46.8	0.0	R 842.3
1965	0.0	R 24.2	47.6	NA	NA	NA	NA	47.6	0.0	NA	NA	R 71.9	R -92.7	0.0	R 1,011.1
1970	0.0	R 26.0	52.4	NA	NA	NA	NA	52.4	0.0	NA	NA	R 78.4	R -64.4	0.0	R 1,349.4
1971	0.0	R 33.9	54.1	NA	NA	NA	NA	54.1	0.0	NA	NA	R 88.0	R -35.1	0.0	R 1,338.7
1972	0.0	R 34.9	58.7	NA	NA	NA	NA	58.7	0.0	NA	NA	R 93.7	R -25.0	0.0	R 1,430.6
1973	3.4	R 40.3	59.1	NA	NA	NA	NA	59.1	0.0	NA	NA	R 99.4	R -42.7	0.0	R 1,479.2
1974	70.2	R 35.4	58.5	NA	NA	NA	NA	58.5	0.0	NA	NA	R 93.8	R -82.8	0.0	R 1,493.3
1975	30.0	R 41.7	57.6	NA	NA	NA	NA	57.6	0.0	NA	NA	R 99.3	R -63.1	0.0	R 1,465.8
1976	46.6	R 32.3	62.9	NA	NA	NA	NA	62.9	0.0	NA	NA	R 95.2	R -35.7	0.0	R 1,503.7
1977	210.2	R 35.3	66.7	NA	NA	NA	NA	66.7	0.0	NA	NA	R 102.0	R -179.2	0.0	R 1,584.7
1978	249.8	R 26.9	66.6	NA	NA	NA	NA	66.6	0.0	NA	NA	R 93.5	R -153.8	0.0	R 1,589.7
1979	240.3	R 40.5	67.9	NA	NA	NA	NA	67.9	0.0	NA	NA	R 108.4	R -201.0	0.0	R 1,600.7
1980	256.3	R 32.1	141.0	NA	NA	NA	NA	141.0	0.0	NA	NA	R 173.1	R -221.7	0.0	R 1,597.4
1981	260.8	R 20.6	150.2	0.0	NA	NA	0.0	150.2	0.0	NA	NA	R 170.8	R -226.9	0.0	R 1,560.2
1982	306.7	R 36.6	153.3	0.1	NA	NA	0.0	153.4	0.0	NA	NA	R 190.0	R -250.5	0.0	R 1,451.0
1983	274.2	R 38.1	164.5	0.2	NA	NA	0.0	164.7	0.0	NA	NA	R 202.8	R -259.9	0.0	R 1,395.2
1984	262.5	R 36.8	175.1	0.3	NA	NA	0.0	175.4	0.0	0.0	0.0	R 212.2	R -220.6	0.0	R 1,493.9
1985	152.0	R 23.5	175.4	1.3	NA	NA	0.0	176.7	0.0	0.0	0.0	R 200.2	R -177.6	0.0	R 1,475.3
1986	122.3	R 17.9	159.0	2.0	NA	NA	0.0	160.9	0.0	0.0	0.0	R 178.9	R -138.9	0.0	R 1,458.3
1987	117.4	R 25.5	151.7	3.9	NA	NA	0.0	155.7	0.0	0.0	0.0	R 181.2	R -92.8	0.0	R 1,541.8
1988	137.6	R 18.4	157.5	3.5	NA	NA	0.0	161.0	0.0	0.0	0.0	R 179.4	R -60.5	0.0	R 1,616.1
1989	122.0	R 44.9	165.0	2.0	NA	NA	0.0	167.0	(s)	0.1	0.0	R 212.0	R -118.7	0.0	R 1,639.0
1990	127.5	R 35.4	143.7	1.6	NA	NA	0.0	145.3	(s)	0.1	0.0	R 180.8	R -126.5	0.0	R 1,599.4
1991	166.4	R 36.7	143.2	1.6	NA	NA	0.0	144.8	(s)	0.1	0.0	R 181.6	R -201.8	0.0	R 1,618.2
1992	203.1	R 35.0	148.7	2.6	NA	NA	0.0	151.3	(s)	0.1	0.0	R 186.5	R -253.3	0.0	R 1,691.9
1993	187.2	R 30.8	174.9	1.4	NA	NA	0.0	176.2	(s)	0.1	0.0	R 207.2	R -262.9	0.0	R 1,744.7
1994	214.1	R 39.0	214.5	1.5	NA	NA	0.0	215.9	(s)	0.2	0.0	R 255.1	R -245.6	0.0	R 1,822.3
1995	218.0	R 32.4	222.0	2.0	NA	NA	0.0	224.0	(s)	0.1	0.0	R 256.6	R -264.2	0.0	R 1,907.5
1996	312.0	R 37.8	208.6	0.3	NA	NA	0.0	209.0	(s)	0.1	0.0	R 246.9	R -391.6	0.0	R 1,935.0
1997	310.3	R 39.3	181.9	0.3	NA	NA	0.0	182.2	(s)	0.1	0.0	R 221.7	R -358.2	0.0	R 1,903.4
1998	300.7	R 36.0	209.2	0.3	NA	NA	0.0	209.5	(s)	0.1	0.0	R 245.7	R -317.0	0.0	R 1,946.4
1999	322.8	R 26.5	210.7	(s)	NA	NA	0.0	210.7	0.1	0.1	0.0	R 237.4	R -309.9	0.0	R 2,002.2
2000	327.1	R 19.8	203.8	0.0	NA	NA	0.0	203.8	0.1	0.1	0.0	R 223.8	R -318.3	0.0	R 2,065.1
2001	317.0	R 28.5	165.0	1.3	(s)	NA	0.0	166.3	0.1	0.1	0.0	R 195.0	R -373.6	0.0	R 1,859.6
2002	332.7	R 30.1	162.8	0.9	(s)	NA	0.0	163.7	0.1	0.1	0.0	R 193.9	R -404.9	0.0	R 1,920.0
2003	330.1	R 43.2	155.1	1.3	(s)	NA	0.0	156.4	0.1	0.1	0.0	R 199.7	R -428.8	0.0	R 1,897.0
2004	329.9	R 36.3	184.1	2.5	0.1	NA	0.0	186.7	0.1	0.1	0.0	R 223.1	R -391.1	0.0	R 2,017.8
2005	330.8	R 34.6	178.0	0.2	0.2	NA	0.0	178.4	0.1	0.1	0.0	R 213.2	R -385.4	0.0	R 2,018.9
2006	333.0	R 24.7	194.1	0.2	0.6	NA	0.0	194.9	0.1	0.1	0.0	R 219.7	R -401.8	0.0	R 2,050.9
2007	360.0	R 14.1	187.1	0.5	0.8	NA	(s)	188.4	0.1	0.1	0.0	R 202.7	R -415.6	0.0	R 2,067.5
2008	407.6	R 20.9	172.7	3.7	0.7	NA	(s)	172.2	0.1	0.1	0.0	R 198.3	R -452.7	0.0	R 1,976.6
2009	415.4	R 42.8	142.0	9.1	0.8	NA	(s)	151.9	0.1	0.1	0.0	R 194.8	R -474.7	0.0	R 1,749.8
2010	396.6	R 29.7	157.1	23.3	0.6	NA	0.0	181.0	0.1	0.1	0.0	R 210.9	R -485.5	0.0	R 1,906.3
2011	411.8	R 30.3	169.3	22.0	2.1	0.0	0.0	193.5	0.1	0.1	0.0	R 224.0	R -535.0	0.0	R 1,882.5
2012	428.0	R 25.4	171.1	21.3	2.6	0.0	(s)	195.0	0.1	0.1	0.0	R 220.6	R -523.5	0.0	R 1,863.4
2013	426.5	R 44.0	187.2	21.9	4.4	0.0	(s)	213.6	0.1	0.1	0.0	R 257.8	R -485.1	0.0	R 1,862.4
2014	431.4	R 32.3	178.2	22.1	3.4	0.0	(s)	203.6	0.1	0.1	0.0	R 236.2	R -455.0	0.0	R 1,929.3
2015	438.7	R 33.6	164.9	23.1	4.3	0.0	(s)	192.3	0.1	0.1	0.0	R 226.1	R -492.0	0.0	R 1,880.5
2016	417.3	R 23.8	163.8	23.7	7.0	0.0	(s)	194.5	0.1	R 0.2	0.0	R 218.7	R -404.4	0.0	R 1,895.7
2017	446.1	R 31.5	168.8	23.5	5.8	0.0	(s)	198.1	0.1	R 0.7	0.0	R 230.5	R -399.4	0.0	R 1,867.5
2018	412.6	R 38.0	168.4	22.0	5.8	0.0	(s)	196.2	0.1	R 1.3	0.0	R 235.7	R -401.8	0.0	R 1,913.5
2019	455.9	R 38.9	166.0	22.1	5.2	0.0	(s)	193.3	0.1	R 1.4	0.0	R 233.8	R -400.9	0.0	R 1,883.9
2020	454.9	R 45.5	R 160.3	21.6	5.4	0.0	(s)	R 187.3	0.1	R 1.4	0.0	R 234.3	R -393.6	0.0	R 1,793.1
2021	R 480.1	R 39.3	R 167.0	25.4	R 3.9	0.0	(s)	R 196.3	0.1	R 1.8	0.0	R 237.6	R -424.8	0.0	R 1,924.5
2022	441.3	34.8	163.4	27.6	3.4	0.0	(s)	194.4	0.1	3.2	0.0	232.5	-433.0	0.0	1,902.4

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

<sup>f</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>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> 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.

<sup>i</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>j</sup> Solar thermal and photovoltaic energy.

<sup>k</sup> 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.

<sup>l</sup> 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/>

**ALABAMA**  
**Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Alabama**

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			Solar <sup>h,k</sup>	Electricity <sup>l</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>	Geo-thermal <sup>h</sup>					
1960	8,314	175	5,393	3,211	1,126	24,578	4,292	4,898	43,498	26	--	--	--	--	15,485	--	--	--
1970	11,322	283	8,486	7,583	1,799	37,003	3,290	7,458	65,619	25	--	--	--	--	34,713	--	--	--
1980	7,449	268	15,059	4,949	2,048	44,296	7,296	8,728	82,377	24	--	--	--	--	50,367	--	--	--
1990	5,630	240	21,447	4,160	1,899	49,199	3,915	7,581	88,200	0	--	--	--	--	59,926	--	--	--
2000	4,468	311	24,138	7,381	2,348	57,162	4,229	8,090	103,349	0	--	--	--	--	83,524	--	--	--
2005	3,571	248	29,619	3,007	2,466	62,866	1,778	11,044	110,780	0	--	--	--	--	89,202	--	--	--
2006	3,383	246	29,862	3,371	2,313	63,465	2,258	10,772	112,042	0	--	--	--	--	90,678	--	--	--
2007	3,190	243	29,135	3,925	2,321	64,300	2,161	9,614	111,458	0	--	--	--	--	91,828	--	--	--
2008	3,141	240	26,158	3,627	2,169	62,517	2,162	9,345	105,979	0	--	--	--	--	89,707	--	--	--
2009	2,316	227	24,031	3,217	1,744	62,614	1,126	6,421	99,154	0	--	--	--	--	82,845	--	--	--
2010	2,685	253	25,411	3,455	2,131	63,265	1,640	6,634	102,535	0	--	--	--	--	90,863	--	--	--
2011	2,519	256	26,752	2,779	2,395	61,385	2,124	6,739	102,175	0	--	--	--	--	88,995	--	--	--
2012	2,674	265	27,017	2,262	2,289	60,653	1,823	6,586	100,629	0	--	--	--	--	86,183	--	--	--
2013	2,834	282	25,068	2,372	2,016	61,223	1,105	5,798	97,580	0	--	--	--	--	87,852	--	--	--
2014	3,234	289	24,708	2,370	2,051	61,205	1,229	5,623	97,185	0	--	--	--	--	90,494	--	--	--
2015	2,554	284	26,541	2,338	1,958	63,872	1,088	5,777	101,575	0	--	--	--	--	88,846	--	--	--
2016	2,358	282	29,309	2,238	1,841	65,767	1,899	5,865	106,919	0	--	--	--	--	88,225	--	--	--
2017	2,263	281	28,350	2,237	2,034	64,822	1,758	6,035	105,236	0	--	--	--	--	86,242	--	--	--
2018	2,174	319	27,019	2,478	2,018	64,505	1,148	5,623	102,792	0	--	--	--	--	90,280	--	--	--
2019	1,781	309	27,048	2,661	2,134	66,636	1,137	5,505	105,120	0	--	--	--	--	88,095	--	--	--
2020	1,325	297	26,518	2,632	1,548	67,450	824	5,626	104,599	0	--	--	--	--	83,396	--	--	--
2021	1,444	327	27,961	2,657	1,696	76,272	1,371	5,977	115,934	0	--	--	--	--	85,585	--	--	--
2022	1,221	310	27,224	2,605	1,699	76,229	1,405	6,102	115,265	0	--	--	--	--	87,028	--	--	--

Trillion Btu																		
1960	220.1	181.0	31.4	12.3	6.1	129.1	27.0	30.2	236.0	R 0.1	45.7	NA	NA	NA	52.8	R 735.8	R 106.5	R 842.3
1970	294.9	291.8	49.4	28.8	9.9	194.4	20.7	46.0	349.2	R 0.1	52.4	NA	NA	NA	118.4	R 1,106.8	R 242.6	R 1,349.4
1980	192.5	276.8	87.7	18.4	11.3	232.7	45.9	53.6	449.6	R 0.1	141.0	NA	NA	NA	171.9	R 1,231.9	R 365.6	R 1,597.4
1990	145.9	246.8	124.9	15.6	10.6	258.4	24.6	48.0	482.1	0.0	117.7	0.0	(s)	0.1	204.5	1,198.4	R 401.0	R 1,599.4
2000	118.0	325.1	140.5	27.7	13.3	297.3	26.6	51.6	557.0	0.0	200.5	0.0	0.1	0.1	285.0	1,485.8	R 579.3	R 2,065.1
2005	90.5	255.8	172.3	11.2	14.0	326.4	11.2	70.3	605.4	0.0	174.7	0.0	0.1	0.1	304.4	1,431.0	R 587.9	R 2,018.9
2006	86.0	252.3	173.3	12.5	13.1	329.1	14.2	68.2	610.4	0.0	190.4	0.0	0.1	0.1	309.4	1,449.3	R 601.6	R 2,050.9
2007	81.5	249.1	168.5	14.4	13.2	330.6	13.6	60.5	600.8	0.0	183.5	(s)	0.1	0.1	313.3	1,429.2	R 638.3	R 2,067.5
2008	80.7	245.4	151.2	13.6	12.3	319.2	13.6	58.9	568.8	0.0	169.1	(s)	0.1	0.1	306.1	1,371.0	R 605.5	R 1,976.6
2009	59.6	233.6	138.8	12.1	9.9	318.7	7.1	39.8	526.4	0.0	137.1	(s)	0.1	0.1	282.7	1,239.5	R 510.8	R 1,750.3
2010	68.8	257.0	146.7	13.3	12.1	320.6	10.3	41.1	544.1	0.0	151.9	0.0	0.1	0.1	310.0	1,332.0	R 574.5	R 1,906.5
2011	65.0	259.9	154.4	10.7	13.6	310.8	13.4	41.8	544.6	0.0	164.7	0.0	0.1	0.1	303.7	1,338.0	R 544.7	R 1,882.7
2012	72.9	269.7	155.8	8.7	13.0	307.0	11.5	40.9	536.8	0.0	167.2	(s)	0.1	0.1	294.1	1,340.9	R 522.3	R 1,863.2
2013	76.4	286.1	144.5	9.1	11.4	309.8	6.9	36.1	517.8	0.0	183.1	(s)	0.1	0.1	299.8	1,363.4	R 518.8	R 1,882.2
2014	87.3	295.5	142.4	9.1	11.6	309.6	7.7	35.0	515.4	0.0	173.1	(s)	0.1	0.1	308.8	1,380.3	R 549.7	R 1,930.0
2015	69.5	291.5	152.9	9.0	11.1	323.0	6.8	35.8	538.7	0.0	160.3	(s)	0.1	0.1	303.1	1,363.4	R 517.5	R 1,880.9
2016	64.6	289.4	168.7	8.6	10.4	332.5	11.9	36.9	569.1	0.0	159.0	(s)	0.1	0.1	301.0	1,383.3	R 512.2	R 1,895.6
2017	62.8	289.2	163.2	8.6	11.5	327.5	11.0	37.7	559.7	0.0	164.1	(s)	0.1	0.1	294.3	1,370.3	R 497.6	R 1,867.9
2018	59.9	328.0	155.6	9.5	11.4	326.0	7.2	35.1	544.9	0.0	165.1	(s)	0.1	R 0.1	308.0	R 1,406.1	R 506.7	R 1,912.8
2019	48.8	318.1	155.8	10.2	12.1	336.6	7.1	34.3	556.2	0.0	165.5	(s)	0.1	R 0.1	300.6	R 1,389.4	R 494.4	R 1,883.7
2020	36.7	306.3	152.6	10.1	8.8	340.8	5.2	35.1	552.6	0.0	R 159.8	(s)	0.1	R 0.1	284.5	R 1,340.3	R 452.7	R 1,793.0
2021	39.5	R 337.5	R 161.2	10.2	9.6	385.2	8.6	R 37.1	R 611.8	0.0	R 166.4	(s)	0.1	R 0.1	292.0	R 1,447.6	R 477.7	R 1,925.3
2022	33.1	318.8	156.9	10.0	9.6	384.9	8.8	37.9	608.2	0.0	162.9	(s)	0.1	0.1	296.9	1,420.3	483.0	1,903.3

<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/>

**Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, Alabama**

Year	Coal <sup>a</sup> Thousand short tons	Natural gas <sup>b</sup> Billion cubic feet	Petroleum				Biomass Wood <sup>d</sup>	Geothermal <sup>e</sup>	Solar <sup>e,f</sup>	Electricity <sup>g</sup> Million kilowatthours	End use <sup>e,h</sup>	Electrical system energy losses <sup>i</sup>	Total <sup>e,h</sup>
			Distillate fuel oil	HGL <sup>c</sup>	Kerosene	Total							
1960	162	41	36	1,787	163	1,986	--	--	4,129	--	--	--	
1965	56	48	24	2,273	169	2,465	--	--	6,150	--	--	--	
1970	71	56	36	4,185	236	4,456	--	--	11,527	--	--	--	
1975	6	52	74	3,331	134	3,539	--	--	13,409	--	--	--	
1980	48	52	13	2,202	198	2,413	--	--	16,469	--	--	--	
1985	27	44	24	1,776	73	1,872	--	--	17,182	--	--	--	
1990	21	45	17	2,286	38	2,342	--	--	20,719	--	--	--	
1995	1	50	10	2,423	66	2,500	--	--	24,314	--	--	--	
2000	6	47	12	4,189	46	4,247	--	--	28,756	--	--	--	
2005	(s)	42	14	1,615	75	1,704	--	--	31,315	--	--	--	
2006	2	38	9	1,664	50	1,723	--	--	32,277	--	--	--	
2007	(s)	35	8	1,782	32	1,823	--	--	32,783	--	--	--	
2008	0	38	9	1,970	8	1,988	--	--	32,185	--	--	--	
2009	0	36	97	2,030	11	2,139	--	--	31,489	--	--	--	
2010	0	42	121	2,214	15	2,350	--	--	35,529	--	--	--	
2011	0	37	11	1,530	12	1,553	--	--	33,003	--	--	--	
2012	0	28	18	1,096	3	1,116	--	--	30,632	--	--	--	
2013	0	35	15	1,220	3	1,238	--	--	31,379	--	--	--	
2014	0	39	18	1,287	4	1,308	--	--	32,930	--	--	--	
2015	0	33	21	1,405	3	1,429	--	--	31,909	--	--	--	
2016	0	28	16	1,312	2	1,330	--	--	32,056	--	--	--	
2017	0	26	14	1,239	1	1,254	--	--	30,181	--	--	--	
2018	0	35	12	1,495	2	1,509	--	--	33,080	--	--	--	
2019	0	31	4	1,571	2	1,577	--	--	32,416	--	--	--	
2020	0	28	2	1,511	1	1,514	--	--	31,331	--	--	--	
2021	0	32	25	1,174	2	1,201	--	--	31,585	--	--	--	
2022	0	30	26	1,196	2	1,224	--	--	32,924	--	--	--	
<b>Trillion Btu</b>													
1960	4.0	42.3	0.2	6.9	0.9	8.0	21.7	NA	NA	14.1	90.1	R 28.4	R 118.5
1965	1.4	49.7	0.1	8.7	1.0	9.8	15.3	NA	NA	21.0	97.2	R 41.3	R 138.5
1970	1.7	57.5	0.2	16.1	1.3	17.6	10.3	NA	NA	39.3	126.5	R 80.6	R 207.0
1975	0.1	53.8	0.4	12.8	0.8	14.0	10.6	NA	NA	45.8	124.3	R 93.4	R 217.7
1980	1.2	54.1	0.1	8.5	1.1	9.7	16.3	NA	NA	56.2	137.4	R 119.5	R 257.0
1985	0.7	45.4	0.1	6.8	0.4	7.4	29.1	NA	NA	58.6	141.1	R 119.1	R 260.3
1990	0.5	46.7	0.1	8.8	0.2	9.1	15.1	(s)	0.1	70.7	142.2	R 138.7	R 280.9
1995	(s)	51.0	0.1	9.3	0.4	9.7	12.0	(s)	0.1	83.0	155.9	R 160.5	R 316.4
2000	0.1	49.5	0.1	16.1	0.3	16.4	6.5	(s)	0.1	98.1	170.8	R 199.4	R 370.2
2005	(s)	43.3	0.1	6.2	0.4	6.7	4.6	(s)	0.1	106.8	161.6	R 206.4	R 367.9
2006	0.1	39.2	0.1	6.4	0.3	6.7	4.1	(s)	0.1	110.1	160.3	R 214.1	R 374.4
2007	(s)	36.4	(s)	6.8	0.2	7.1	4.5	0.1	0.1	111.9	160.0	R 227.9	R 387.8
2008	0.0	38.7	0.1	7.6	(s)	7.7	5.0	0.1	0.1	109.8	161.3	R 217.2	R 378.5
2009	0.0	37.0	0.6	7.8	0.1	8.4	6.7	0.1	0.1	107.4	159.7	R 194.1	R 353.9
2010	0.0	42.9	0.7	8.5	0.1	9.3	7.1	0.1	0.1	121.2	180.7	R 224.6	R 405.3
2011	0.0	37.2	0.1	5.9	0.1	6.0	6.9	0.1	0.1	112.6	162.9	R 202.0	R 364.9
2012	0.0	28.0	0.1	4.2	(s)	4.3	5.8	0.1	0.1	104.5	142.8	R 185.6	R 328.5
2013	0.0	35.6	0.1	4.7	(s)	4.8	7.6	0.1	0.1	107.1	155.2	R 185.3	R 340.5
2014	0.0	39.8	0.1	4.9	(s)	5.1	7.7	0.1	0.1	112.4	165.1	R 200.0	R 365.1
2015	0.0	33.7	0.1	5.4	(s)	5.5	2.1	0.1	0.1	108.9	150.4	R 185.9	R 336.2
2016	0.0	29.2	0.1	5.0	(s)	5.1	R 1.8	0.1	0.1	109.4	145.6	R 186.1	R 331.7
2017	0.0	27.1	0.1	4.8	(s)	4.8	1.5	0.1	0.1	103.0	136.6	R 174.1	R 310.7
2018	0.0	35.7	0.1	5.7	(s)	5.8	2.0	0.1	0.1	112.9	156.6	R 185.7	R 342.2
2019	0.0	31.5	(s)	6.0	(s)	6.1	2.0	0.1	0.1	110.6	150.3	R 181.9	R 332.2
2020	0.0	29.0	(s)	5.8	(s)	5.8	R 1.3	0.1	0.1	106.9	R 143.2	R 170.1	R 313.3
2021	0.0	33.2	0.1	4.5	(s)	4.7	R 1.3	0.1	0.1	107.8	R 147.1	R 176.3	R 323.4
2022	0.0	31.3	0.1	4.6	(s)	4.8	1.6	0.1	0.1	112.3	150.2	182.7	332.9

<sup>a</sup> Beginning in 2008, data are no longer collected and are assumed to be zero.  
<sup>b</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>d</sup> Wood and wood-derived fuels.  
<sup>e</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>f</sup> Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.  
<sup>g</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>h</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.

<sup>i</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: · 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 CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Alabama**

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum						Hydro-electric power <sup>e,f</sup> Million kilowatthours	Biomass Wood and waste <sup>g</sup>	Geothermal <sup>f</sup>	Solar <sup>f,h</sup>	Electricity <sup>i</sup>	End use <sup>f,j</sup>	Electrical system energy losses <sup>k</sup>	Total <sup>f,j</sup>
			Distillate fuel oil	HGL <sup>b</sup>	Kerosene	Motor gasoline <sup>c</sup>	Residual fuel oil	Total <sup>d</sup>				Million kilowatthours				
												Thousand barrels				
1960	112	17	264	685	294	327	(s)	1,571	NA	--	--	NA	2,390	--	--	--
1965	42	32	175	871	306	327	(s)	1,679	NA	--	--	NA	3,443	--	--	--
1970	56	36	264	1,603	426	391	(s)	2,685	NA	--	--	NA	5,144	--	--	--
1975	14	33	547	1,276	242	453	1	2,519	NA	--	--	NA	6,493	--	--	--
1980	180	29	641	844	176	258	3	1,922	NA	--	--	NA	7,190	--	--	--
1985	96	26	913	680	16	251	514	2,373	NA	--	--	NA	8,805	--	--	--
1990	84	24	739	876	11	258	606	2,489	0	--	--	0	11,589	--	--	--
1995	6	26	644	928	10	42	3	1,626	0	--	--	0	12,845	--	--	--
2000	47	26	748	1,605	9	41	(s)	2,403	0	--	--	0	19,734	--	--	--
2005	2	25	749	524	18	44	8	1,344	0	--	--	0	21,608	--	--	--
2006	23	24	1,533	670	10	45	1	2,258	0	--	--	0	22,120	--	--	--
2007	1	23	1,265	629	5	45	0	1,944	0	--	--	0	22,873	--	--	--
2008	0	25	991	813	2	45	0	1,851	0	--	--	0	22,533	--	--	--
2009	0	24	977	573	1	45	0	1,595	0	--	--	0	21,918	--	--	--
2010	0	27	1,138	655	2	44	0	1,839	0	--	--	(s)	22,984	--	--	--
2011	0	25	1,210	689	2	44	0	1,945	0	--	--	(s)	22,257	--	--	--
2012	0	22	1,122	534	1	44	0	1,701	0	--	--	1	21,799	--	--	--
2013	0	25	735	582	2	46	0	1,365	0	--	--	3	22,603	--	--	--
2014	0	28	677	568	3	44	0	1,291	0	--	--	3	22,929	--	--	--
2015	0	25	751	438	2	1,027	0	2,218	0	--	--	3	23,438	--	--	--
2016	0	24	844	447	2	1,312	0	2,606	0	--	--	5	23,634	--	--	--
2017	0	23	841	530	1	1,052	0	2,424	0	--	--	5	22,744	--	--	--
2018	0	27	859	560	2	1,112	11	2,544	0	--	--	7	23,483	--	--	--
2019	0	25	803	550	2	1,121	0	2,476	0	--	--	10	23,076	--	--	--
2020	0	23	644	578	3	1,129	11	2,365	0	--	--	10	21,308	--	--	--
2021	0	26	815	716	2	1,142	4	2,679	0	--	--	13	21,844	--	--	--
2022	0	26	837	611	2	1,906	4	3,359	0	--	--	16	22,391	--	--	--

Trillion Btu																
1960	2.8	18.1	1.5	2.6	1.7	1.7	(s)	7.6	NA	0.4	NA	NA	8.2	37.0	R 16.4	R 53.5
1965	1.1	33.0	1.0	3.3	1.7	1.7	(s)	7.8	NA	0.3	NA	NA	11.7	54.0	R 23.1	R 77.1
1970	1.3	37.4	1.5	6.2	2.4	2.1	(s)	12.2	NA	0.2	NA	NA	17.6	68.6	R 36.0	R 104.6
1975	0.3	34.4	3.2	4.9	1.4	2.4	(s)	11.8	NA	0.2	NA	NA	22.2	68.9	R 45.2	R 114.2
1980	4.3	29.5	3.7	3.2	1.0	1.4	(s)	9.3	NA	0.4	NA	NA	24.5	68.1	R 52.2	R 120.3
1985	2.3	26.8	5.3	2.6	0.1	1.3	3.2	12.6	NA	0.7	NA	NA	30.0	81.1	R 61.1	R 133.5
1990	2.1	25.0	4.3	3.4	0.1	1.4	3.8	12.9	0.0	1.7	0.0	0.0	39.5	81.1	R 77.6	R 158.7
1995	0.2	27.0	3.7	3.6	0.1	0.2	(s)	7.6	0.0	1.6	0.0	0.0	43.8	80.2	R 84.8	R 165.0
2000	1.2	26.7	4.4	6.2	0.1	0.2	(s)	10.8	0.0	1.1	0.0	0.0	67.3	107.1	R 136.9	R 244.0
2005	(s)	25.8	4.4	2.0	0.1	0.2	0.1	6.8	0.0	0.7	0.0	0.0	73.7	107.1	R 142.4	R 249.5
2006	0.6	25.1	8.9	2.6	0.1	0.2	(s)	11.8	0.0	0.7	0.0	0.0	75.5	113.6	R 146.8	R 260.3
2007	(s)	24.0	7.3	2.4	(s)	0.2	0.0	10.0	0.0	0.7	0.0	0.0	78.0	112.8	R 159.0	R 271.8
2008	0.0	25.8	5.7	3.1	(s)	0.2	0.0	9.1	0.0	0.8	0.0	0.0	76.9	112.5	R 152.1	R 264.6
2009	0.0	24.9	5.6	2.2	(s)	0.2	0.0	8.1	0.0	0.9	0.0	0.0	74.8	108.8	R 135.1	R 243.9
2010	0.0	27.5	6.6	2.5	(s)	0.2	0.0	9.3	0.0	0.9	0.0	(s)	78.4	116.2	R 145.3	R 261.5
2011	0.0	25.6	7.0	2.6	(s)	0.2	0.0	9.9	0.0	0.9	0.0	(s)	75.9	112.3	R 136.2	R 248.5
2012	0.0	21.9	6.5	2.1	(s)	0.2	0.0	8.8	0.0	0.8	0.0	(s)	74.4	105.8	R 132.1	R 237.9
2013	0.0	25.7	4.2	2.2	(s)	0.2	0.0	6.7	0.0	0.9	0.0	(s)	77.1	110.5	R 133.5	R 244.0
2014	0.0	28.1	3.9	2.2	(s)	0.2	0.0	6.3	0.0	0.9	0.0	(s)	78.2	113.6	R 139.3	R 252.9
2015	0.0	25.9	4.3	1.7	(s)	5.2	0.0	11.2	0.0	0.3	0.0	(s)	80.0	117.4	R 136.5	R 253.9
2016	0.0	24.2	4.9	1.7	(s)	6.6	0.0	13.2	0.0	0.3	0.0	(s)	80.6	118.4	R 137.2	R 255.6
2017	0.0	23.6	4.8	2.0	(s)	5.3	0.0	12.2	0.0	0.3	0.0	R (s)	77.6	R 113.6	R 131.2	R 244.9
2018	0.0	27.4	4.9	2.2	(s)	5.6	0.1	12.8	0.0	0.3	0.0	R (s)	80.1	R 120.6	R 131.8	R 252.4
2019	0.0	25.6	4.6	2.1	(s)	5.7	0.0	12.4	0.0	0.3	0.0	R (s)	78.7	R 117.0	R 129.5	R 246.5
2020	0.0	23.6	3.7	2.2	(s)	5.7	0.1	11.7	0.0	0.3	0.0	R (s)	72.7	R 108.3	R 115.7	R 224.0
2021	0.0	26.5	4.7	2.7	(s)	5.8	(s)	13.3	0.0	0.3	0.0	R (s)	74.5	R 114.6	R 121.9	R 236.6
2022	0.0	26.5	4.8	2.3	(s)	9.6	(s)	16.8	0.0	0.3	0.0	0.1	76.4	120.1	124.3	244.4

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.  
<sup>d</sup> Includes small amounts of petroleum coke not shown separately.  
<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.  
<sup>f</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>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.  
<sup>i</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>j</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 commercial utility-scale facilities.  
<sup>k</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: Totals may not equal sum of components due to independent rounding. The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. 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 CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Alabama**

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum						Hydro-electric power <sup>e,f</sup> Million kWh	Biomass		Geo-thermal <sup>f</sup>	Solar <sup>f,i</sup> Million kWh	Electricity <sup>j</sup> Million kWh	Electrical system energy losses <sup>l</sup>	Total <sup>f,k</sup>	
			Distillate fuel oil	HGL <sup>b</sup>	Motor gasoline <sup>c</sup>	Residual fuel oil	Other <sup>d</sup>	Total		Wood and waste <sup>f,g</sup>	Losses and co-products <sup>h</sup>						End use <sup>f,k</sup>
1960	7,904	109	2,511	708	382	2,014	3,765	9,380	26	--	--	NA	8,966	--	--		
1965	8,774	132	1,962	1,020	372	945	5,317	9,615	25	--	--	NA	13,636	--	--		
1970	11,177	171	2,833	1,696	204	1,611	6,026	12,370	25	--	--	NA	18,041	--	--		
1975	9,288	156	4,475	1,846	198	5,814	6,805	19,138	25	--	--	NA	20,473	--	--		
1980	7,221	171	3,356	1,857	104	3,787	7,619	16,724	24	--	--	NA	26,708	--	--		
1985	5,476	138	2,597	1,031	507	96	7,185	11,415	24	--	--	NA	24,179	--	--		
1990	5,525	156	4,580	901	443	444	6,919	13,287	0	--	--	0	27,618	--	--		
1995	5,543	218	4,397	1,670	674	504	7,472	14,716	0	--	--	0	32,847	--	--		
2000	4,415	216	2,938	1,548	443	1,338	7,445	13,712	0	--	--	0	35,034	--	--		
2005	3,570	166	6,488	794	1,207	747	10,447	19,682	0	--	--	0	36,279	--	--		
2006	3,358	168	5,571	957	1,295	766	10,178	18,767	0	--	--	0	36,281	--	--		
2007	3,189	168	4,899	1,459	1,122	814	9,031	17,326	0	--	--	0	36,172	--	--		
2008	3,141	160	5,505	722	1,014	1,034	8,875	17,149	0	--	--	0	34,990	--	--		
2009	2,316	148	4,173	532	994	320	6,004	12,022	0	--	--	0	29,437	--	--		
2010	2,685	162	3,852	550	658	711	6,053	11,823	0	--	--	0	32,350	--	--		
2011	2,519	171	4,114	522	637	1,065	6,181	12,520	0	--	--	0	33,735	--	--		
2012	2,674	191	5,229	596	487	775	6,084	13,170	0	--	--	0	33,751	--	--		
2013	2,834	199	4,005	525	508	305	5,291	10,634	0	--	--	0	33,870	--	--		
2014	3,234	204	3,447	471	520	349	5,095	9,882	0	--	--	0	34,635	--	--		
2015	2,554	204	3,781	433	844	550	5,190	10,798	0	--	--	(s)	33,499	--	--		
2016	2,358	209	3,964	401	855	955	5,273	11,447	0	--	--	(s)	32,535	--	--		
2017	2,263	211	3,557	463	861	739	5,498	11,118	0	--	--	(s)	33,317	--	--		
2018	2,174	232	3,965	403	885	448	5,124	10,825	0	--	--	1	33,717	--	--		
2019	1,781	230	3,504	498	876	572	5,006	10,456	0	--	--	1	32,603	--	--		
2020	1,325	221	3,810	510	882	405	5,149	10,756	0	--	--	1	30,757	--	--		
2021	1,444	244	3,717	728	869	596	5,029	10,940	0	--	--	1	32,156	--	--		
2022	1,221	224	3,757	750	908	611	5,186	11,212	0	--	--	1	31,713	--	--		

**Trillion Btu**

1960	209.9	112.8	14.6	2.7	2.0	12.7	23.8	55.7	R 0.1	23.6	NA	NA	NA	30.6	R 432.7	R 61.7	R 494.3
1965	232.0	136.0	11.4	3.9	2.0	5.9	33.5	56.7	R 0.1	32.1	NA	NA	NA	46.5	R 503.3	R 91.5	R 594.9
1970	291.4	176.5	16.5	6.2	1.1	10.1	37.9	71.8	R 0.1	41.9	NA	NA	NA	61.6	R 643.2	R 126.1	R 769.3
1975	238.8	160.0	26.1	6.5	1.0	36.6	42.4	112.6	R 0.1	46.8	NA	NA	NA	69.9	R 628.2	R 142.6	R 770.8
1980	187.0	176.3	19.6	6.5	0.5	23.8	47.3	97.7	R 0.1	124.3	NA	NA	NA	91.1	R 676.5	R 193.9	R 870.3
1985	140.4	143.0	15.1	3.5	2.7	0.6	45.6	67.5	R 0.1	145.6	0.0	NA	NA	82.5	R 579.1	R 167.6	R 746.7
1990	143.3	160.0	26.7	3.1	2.3	2.8	44.1	79.0	0.0	100.9	0.0	0.0	0.0	94.2	577.2	R 184.8	R 762.1
1995	144.1	224.7	25.6	5.8	3.5	3.2	47.9	85.9	0.0	187.7	0.0	0.0	0.0	112.1	754.5	R 216.8	R 971.3
2000	116.7	225.2	17.1	5.3	2.3	8.4	47.8	80.9	0.0	193.0	0.0	(s)	0.0	119.5	735.3	R 243.0	R 978.3
2005	90.4	171.1	37.7	2.7	6.3	4.7	66.8	118.2	0.0	169.3	0.0	(s)	0.0	123.8	672.9	R 239.1	R 912.0
2006	85.4	172.7	32.3	3.3	6.7	4.8	64.7	111.8	0.0	185.7	0.0	(s)	0.0	123.8	679.4	R 240.7	R 920.1
2007	81.4	172.5	28.3	4.9	5.8	5.1	57.1	101.2	0.0	178.2	(s)	(s)	0.0	123.4	656.9	R 251.4	R 908.3
2008	80.7	164.0	31.8	2.4	5.2	6.5	56.1	102.1	0.0	163.3	(s)	(s)	0.0	119.4	629.6	R 236.2	R 865.8
2009	59.6	152.1	24.1	1.8	5.1	2.0	37.4	70.3	0.0	129.5	(s)	(s)	0.0	100.4	512.0	R 181.5	R 693.5
2010	68.8	164.1	22.2	2.1	3.3	4.5	37.7	69.8	0.0	143.8	0.0	(s)	0.0	110.4	557.0	R 204.5	R 761.5
2011	65.0	173.5	23.7	2.0	3.2	6.7	38.5	74.2	0.0	156.9	0.0	(s)	0.0	115.1	584.6	R 206.5	R 791.1
2012	72.9	193.8	30.2	2.3	2.5	4.9	37.9	77.7	0.0	160.6	(s)	(s)	0.0	115.2	620.2	R 204.5	R 824.8
2013	76.4	202.0	23.1	2.0	2.6	1.9	33.0	62.6	0.0	174.6	(s)	(s)	0.0	115.6	631.3	R 200.0	R 831.3
2014	87.3	207.9	19.9	1.8	2.6	2.2	31.8	58.3	0.0	164.5	(s)	(s)	0.0	118.2	636.3	R 210.4	R 846.7
2015	69.5	209.6	21.8	1.7	4.3	3.5	32.4	63.5	0.0	157.9	(s)	(s)	(s)	114.3	614.8	R 195.1	R 809.9
2016	64.6	214.1	22.8	1.5	4.3	6.0	33.4	68.1	0.0	156.9	(s)	(s)	(s)	111.0	614.8	R 188.9	R 803.7
2017	62.8	216.7	20.5	1.8	4.4	4.6	34.5	65.8	0.0	162.3	(s)	(s)	(s)	113.7	R 621.3	R 192.2	R 813.6
2018	59.9	238.8	22.8	1.5	4.5	2.8	32.2	63.8	0.0	162.7	(s)	(s)	(s)	115.0	R 640.3	R 189.2	R 829.5
2019	48.8	236.4	20.2	1.9	4.4	3.6	31.3	61.5	0.0	163.2	(s)	(s)	(s)	111.2	R 621.1	R 183.0	R 804.1
2020	36.7	227.3	21.9	2.0	4.5	2.5	32.3	63.2	0.0	158.3	(s)	(s)	(s)	104.9	590.6	R 167.0	R 757.5
2021	39.5	R 251.9	21.4	2.8	4.4	3.7	31.7	64.0	0.0	164.8	(s)	(s)	(s)	109.7	R 630.1	R 179.5	R 809.6
2022	33.1	230.3	21.7	2.9	4.6	3.8	32.7	65.6	0.0	161.0	(s)	(s)	(s)	108.2	598.3	176.0	774.3

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.  
<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.  
<sup>f</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>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> Losses and co-products from the production of biodiesel and fuel ethanol.  
<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.  
<sup>j</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.  
<sup>k</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 industrial utility-scale facilities.  
<sup>l</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.  
 kWh = Kilowatthours. -- = 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: · Totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · The continuity of these data series estimates may be affected by the 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/>

**Alabama** Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Alabama

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum								Electricity <sup>f</sup> Million kilowatthours	End use <sup>g,h</sup>	Electrical system energy losses <sup>i</sup>	Total <sup>g,h</sup>
			Aviation gasoline	Distillate fuel oil <sup>b</sup>	HGL <sup>c</sup>	Jet fuel <sup>d</sup>	Lubricants	Motor gasoline <sup>e</sup>	Residual fuel oil	Total				
			Thousand barrels											
1960	136	8	280	2,582	31	1,126	396	23,869	2,278	30,562	0	--	--	--
1965	29	12	446	3,090	43	1,156	430	28,220	1,608	34,993	0	--	--	--
1970	18	20	349	5,353	98	1,799	421	36,408	1,679	46,107	0	--	--	--
1975	2	17	249	9,087	87	1,707	609	44,523	7,039	63,300	0	--	--	--
1980	0	16	248	11,049	46	2,048	486	43,934	3,506	61,318	0	--	--	--
1985	0	11	172	10,899	161	3,516	442	42,718	1,640	59,548	0	--	--	--
1990	0	15	116	16,110	96	1,899	497	48,498	2,865	70,082	0	--	--	--
1995	0	20	97	18,421	93	3,843	475	54,756	2,603	80,288	(s)	--	--	--
2000	0	23	83	20,440	40	2,348	507	56,678	2,891	82,986	0	--	--	--
2005	0	15	77	22,368	74	2,466	428	61,615	1,022	88,049	0	--	--	--
2006	0	15	118	22,750	80	2,313	417	62,125	1,492	89,293	0	--	--	--
2007	0	16	116	22,963	55	2,321	430	63,133	1,346	90,365	0	--	--	--
2008	0	16	61	19,652	122	2,169	399	61,459	1,128	84,991	0	--	--	--
2009	0	19	45	18,784	83	1,744	359	61,576	806	83,397	0	--	--	--
2010	0	22	74	20,300	36	2,131	490	62,563	928	86,523	0	--	--	--
2011	0	23	70	21,417	38	2,395	474	60,703	1,059	86,157	0	--	--	--
2012	0	26	66	20,648	37	2,289	432	60,122	1,048	84,642	0	--	--	--
2013	0	22	51	20,312	45	2,016	451	60,669	800	84,343	0	--	--	--
2014	0	19	56	20,567	45	2,051	466	60,640	880	84,704	0	--	--	--
2015	0	22	62	21,988	62	1,958	519	62,002	538	87,130	0	--	--	--
2016	0	21	62	24,484	78	1,841	R 525	63,600	945	R 91,535	0	--	--	--
2017	0	21	63	23,938	5	2,034	R 473	62,909	1,019	R 90,440	0	--	--	--
2018	0	25	68	22,182	21	2,018	427	62,509	688	87,913	0	--	--	--
2019	0	24	71	22,738	42	2,134	R 423	64,639	565	R 90,612	0	--	--	--
2020	0	26	63	22,062	34	1,548	R 410	65,439	408	R 89,964	0	--	--	--
2021	0	25	73	R 23,403	39	1,696	R 453	74,260	771	R 101,114	0	--	--	--
2022	0	30	76	22,604	48	1,699	467	73,415	790	99,469	0	--	--	--

Trillion Btu

1960	3.4	7.9	1.4	15.0	0.1	6.1	2.4	125.4	14.3	164.7	0.0	176.0	0.0	176.0
1965	0.7	12.4	2.3	18.0	0.2	6.2	2.6	148.2	10.1	187.6	0.0	200.7	0.0	200.7
1970	0.4	20.5	1.8	31.2	0.4	9.9	2.6	191.3	10.6	247.6	0.0	268.5	0.0	268.5
1975	(s)	17.3	1.3	52.9	0.3	9.4	3.7	233.9	44.3	345.8	0.0	363.1	0.0	363.1
1980	0.0	17.0	1.3	64.4	0.2	11.3	2.9	230.8	22.0	332.9	0.0	349.9	0.0	349.9
1985	0.0	11.5	0.9	63.5	0.6	19.7	2.7	224.4	10.3	322.1	0.0	334.8	0.0	334.8
1990	0.0	15.1	0.6	93.8	0.4	10.6	3.0	254.8	18.0	381.1	0.0	397.8	0.0	397.8
1995	0.0	20.7	0.5	107.2	0.4	21.8	2.9	285.0	16.4	434.0	(s)	454.7	(s)	454.7
2000	0.0	23.7	0.4	118.9	0.2	13.3	3.1	294.8	18.2	448.9	0.0	472.5	0.0	472.5
2005	0.0	15.6	0.4	130.1	0.3	14.0	2.6	319.9	6.4	473.7	0.0	489.5	0.0	489.5
2006	0.0	15.4	0.6	132.0	0.3	13.1	2.5	322.1	9.4	480.1	0.0	496.1	0.0	496.1
2007	0.0	16.2	0.6	132.8	0.2	13.2	2.6	324.6	8.5	482.5	0.0	499.5	0.0	499.5
2008	0.0	16.9	0.3	113.6	0.5	12.3	2.4	313.8	7.1	450.0	0.0	467.6	0.0	467.6
2009	0.0	19.4	0.2	108.5	0.3	9.9	2.2	313.4	5.1	439.6	0.0	459.1	0.0	459.1
2010	0.0	22.6	0.4	117.2	0.1	12.1	3.0	317.0	5.8	455.6	0.0	478.2	0.0	478.2
2011	0.0	23.7	0.4	123.6	0.1	13.6	2.9	307.3	6.7	454.5	0.0	478.2	0.0	478.2
2012	0.0	26.0	0.3	119.1	0.1	13.0	2.6	304.3	6.6	446.1	0.0	472.0	0.0	472.0
2013	0.0	22.7	0.3	117.1	0.2	11.4	2.7	307.0	5.0	443.7	0.0	466.4	0.0	466.4
2014	0.0	19.6	0.3	118.5	0.2	11.6	2.8	306.8	5.5	445.7	0.0	465.3	0.0	465.3
2015	0.0	22.4	0.3	126.7	0.2	11.1	3.1	313.5	3.4	458.4	0.0	480.8	0.0	480.8
2016	0.0	22.0	0.3	141.0	0.3	10.4	3.2	321.5	5.9	482.6	0.0	504.6	0.0	504.6
2017	0.0	21.9	0.3	137.8	(s)	11.5	2.9	317.9	6.4	476.8	0.0	498.7	0.0	498.7
2018	0.0	26.2	0.3	127.7	0.1	11.4	2.6	315.9	4.3	462.4	0.0	488.6	0.0	488.6
2019	0.0	24.6	0.4	130.9	0.2	12.1	2.6	326.6	3.6	476.2	0.0	500.9	0.0	500.9
2020	0.0	26.3	0.3	127.0	0.1	8.8	2.5	330.6	2.6	471.9	0.0	R 498.2	0.0	R 498.2
2021	0.0	25.9	0.4	R 134.9	0.2	9.6	R 2.7	375.0	4.8	R 529.9	0.0	R 555.7	0.0	R 555.7
2022	0.0	30.7	0.4	130.3	0.2	9.6	2.8	370.7	5.0	521.0	0.0	551.6	0.0	551.6

<sup>a</sup> Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.

<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 "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>f</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

<sup>g</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

<sup>h</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

<sup>i</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.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: - Totals may not equal sum of components due to independent rounding. The continuity of these data series estimates may be affected by the 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 CT8. Electric power sector consumption estimates, selected years, 1960-2022, Alabama**

Year	Coal Thousand short tons	Natural gas <sup>a</sup> Billion cubic feet	Petroleum				Nuclear electric power Million kilowatthours	Hydroelectric power <sup>d</sup> Million kilowatthours	Biomass Wood and waste <sup>e,f</sup> Million kilowatthours	Geothermal <sup>f</sup> Million kilowatthours	Solar <sup>f,g</sup> Million kilowatthours	Wind <sup>f</sup> Million kilowatthours	Electricity net imports <sup>h</sup> Million kilowatthours	Total <sup>f,i</sup> Million kilowatthours
			Distillate fuel oil <sup>b</sup>	Petroleum coke	Residual fuel oil <sup>c</sup>	Total								
			Thousand barrels											
1960	7,264	9	(s)	0	0	(s)	0	6,213	--	0	NA	NA	0	--
1965	12,572	6	0	0	0	0	0	7,078	--	0	NA	NA	0	--
1970	16,331	15	26	448	0	474	0	7,607	--	0	NA	NA	0	--
1975	17,301	6	514	0	99	613	2,722	12,188	--	0	NA	NA	0	--
1980	19,593	1	131	0	0	131	23,497	9,385	--	0	NA	NA	0	--
1985	21,545	1	88	0	0	88	14,313	6,862	--	0	0	0	0	--
1990	22,084	5	133	0	0	133	12,052	10,367	--	0	0	0	0	--
1995	28,839	9	181	0	0	181	20,752	9,502	--	0	0	0	0	--
2000	35,636	42	469	0	0	469	31,369	5,818	--	0	0	0	0	--
2005	36,997	105	272	0	0	272	31,694	10,145	--	0	0	0	0	--
2006	37,168	146	177	0	0	177	31,911	7,252	--	0	0	0	0	--
2007	37,233	176	148	0	0	148	34,325	4,136	--	0	0	0	0	--
2008	35,845	164	215	0	0	215	38,993	6,136	--	0	0	0	0	--
2009	27,583	227	177	0	0	177	39,716	12,535	--	0	0	0	0	--
2010	30,985	282	215	0	0	215	37,941	8,704	--	0	0	0	0	--
2011	28,151	343	187	0	0	187	39,356	8,884	--	0	0	0	0	--
2012	23,020	401	141	0	0	141	40,841	7,435	--	0	0	0	0	--
2013	24,400	334	109	0	0	109	40,816	12,899	--	0	0	0	0	--
2014	23,901	346	177	0	0	177	41,244	9,467	--	0	0	0	0	--
2015	21,025	397	126	0	0	126	41,951	9,862	--	0	0	0	0	--
2016	17,448	413	63	0	0	63	39,902	6,985	--	0	31	0	0	--
2017	16,231	380	56	0	0	56	42,652	9,237	--	0	181	0	0	--
2018	16,235	431	138	0	0	138	39,463	11,143	--	0	357	0	0	--
2019	14,245	419	29	0	0	29	43,657	11,405	--	0	385	0	0	--
2020	11,896	396	13	0	0	13	43,551	13,349	--	0	369	0	0	--
2021	14,588	390	37	0	0	37	46,036	11,521	--	0	494	0	0	--
2022	14,635	454	73	0	0	73	42,314	10,188	--	0	895	0	0	--

**Trillion Btu**

1960	175.3	9.7	(s)	0.0	0.0	(s)	0.0	R 21.2	0.0	0.0	NA	NA	0.0	R 206.2
1965	298.0	5.8	0.0	0.0	0.0	0.0	0.0	R 24.2	0.0	0.0	NA	NA	0.0	R 327.9
1970	380.7	15.9	0.2	2.7	0.0	2.9	0.0	R 26.0	0.0	0.0	NA	NA	0.0	R 425.5
1975	400.7	6.2	3.0	0.0	0.6	3.6	30.0	R 41.6	0.0	0.0	NA	NA	0.0	R 482.1
1980	468.5	1.6	0.8	0.0	0.0	0.8	256.3	R 32.0	0.0	0.0	NA	NA	0.0	R 759.2
1985	519.5	1.2	0.5	0.0	0.0	0.5	152.0	R 23.4	0.0	0.0	0.0	0.0	0.0	R 696.6
1990	536.6	5.7	0.8	0.0	0.0	0.8	127.5	R 35.4	26.0	0.0	0.0	0.0	0.0	R 732.0
1995	684.0	9.0	1.1	0.0	0.0	1.1	218.0	R 32.4	20.6	0.0	0.0	0.0	0.0	R 965.1
2000	786.2	43.4	2.7	0.0	0.0	2.7	327.1	R 19.8	3.3	0.0	0.0	0.0	0.0	R 1,182.5
2005	799.6	107.6	1.6	0.0	0.0	1.6	330.8	R 34.6	3.4	0.0	0.0	0.0	0.0	R 1,277.6
2006	800.6	149.7	1.0	0.0	0.0	1.0	333.0	R 24.7	3.7	0.0	0.0	0.0	0.0	R 1,312.8
2007	807.0	181.5	0.9	0.0	0.0	0.9	360.0	R 14.1	3.7	0.0	0.0	0.0	0.0	R 1,367.1
2008	762.1	168.9	1.2	0.0	0.0	1.2	407.6	R 20.9	3.6	0.0	0.0	0.0	0.0	R 1,364.3
2009	571.4	232.7	1.0	0.0	0.0	1.0	415.4	R 42.8	4.9	0.0	0.0	0.0	0.0	R 1,268.1
2010	649.9	287.4	1.2	0.0	0.0	1.2	396.6	R 29.7	5.2	0.0	0.0	0.0	0.0	R 1,370.0
2011	586.1	349.4	1.1	0.0	0.0	1.1	411.8	R 30.3	4.6	0.0	0.0	0.0	0.0	R 1,383.3
2012	474.1	407.7	0.8	0.0	0.0	0.8	428.0	R 25.4	3.9	0.0	0.0	0.0	0.0	R 1,339.8
2013	488.6	339.8	0.6	0.0	0.0	0.6	426.5	R 44.0	4.1	0.0	0.0	0.0	0.0	R 1,303.7
2014	488.6	355.1	1.0	0.0	0.0	1.0	431.4	R 32.3	5.0	0.0	0.0	0.0	0.0	R 1,313.5
2015	424.8	410.1	0.7	0.0	0.0	0.7	438.7	R 33.6	4.5	0.0	0.0	0.0	0.0	R 1,312.6
2016	345.6	425.6	0.4	0.0	0.0	0.4	417.3	R 23.8	4.8	0.0	R 0.1	0.0	0.0	R 1,217.7
2017	316.1	392.0	0.3	0.0	0.0	0.3	446.1	R 31.5	4.7	0.0	R 0.6	0.0	0.0	R 1,191.3
2018	317.2	443.2	0.8	0.0	0.0	0.8	412.6	R 38.0	3.4	0.0	R 1.2	0.0	0.0	R 1,216.5
2019	268.4	430.7	0.2	0.0	0.0	0.2	455.9	R 38.9	0.5	0.0	R 1.3	0.0	0.0	R 1,195.9
2020	219.9	408.6	0.1	0.0	0.0	0.1	454.9	R 45.5	0.5	0.0	R 1.3	0.0	0.0	R 1,130.9
2021	270.3	402.4	0.2	0.0	0.0	0.2	R 480.1	R 39.3	0.5	0.0	R 1.7	0.0	0.0	R 1,194.6
2022	264.5	468.4	0.4	0.0	0.0	0.4	441.3	34.8	0.4	0.0	3.1	0.0	0.0	1,212.9

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.

<sup>c</sup> Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.

<sup>d</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

<sup>e</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>f</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>g</sup> Solar thermal and photovoltaic energy.

<sup>h</sup> Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

<sup>i</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 the total.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. The continuity of these data series estimates may be affected by the 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/>