

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2019, California

Year	Coal ^a	Natural Gas ^b	Petroleum				Biomass	Geothermal ^e	Solar ^{e,f}	Electricity Retail Sales	Net Energy ^{e,g}	Electrical System Energy Losses ^h	Total ^{e,g}
			Distillate Fuel Oil	HGL ^c	Kerosene	Total				Million Kilowatthours			
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Wood ^d						
1960	4	365	485	3,302	15	3,802	--	--	--	14,975	--	--	--
1965	6	489	427	4,454	31	4,911	--	--	--	23,800	--	--	--
1970	61	553	500	4,517	166	5,182	--	--	--	35,777	--	--	--
1975	0	631	493	2,367	211	3,071	--	--	--	44,257	--	--	--
1980	1	529	94	4,300	18	4,413	--	--	--	52,011	--	--	--
1985	12	527	144	4,677	73	4,893	--	--	--	57,501	--	--	--
1990	5	515	202	5,026	88	5,316	--	--	--	66,575	--	--	--
1995	17	477	175	4,269	81	4,525	--	--	--	68,783	--	--	--
2000	3	517	241	4,657	281	5,179	--	--	--	79,241	--	--	--
2001	(s)	513	293	3,197	350	3,840	--	--	--	76,668	--	--	--
2002	(s)	511	147	3,720	216	4,084	--	--	--	77,202	--	--	--
2003	(s)	498	121	5,334	196	5,651	--	--	--	82,926	--	--	--
2004	1	512	142	6,477	276	6,896	--	--	--	83,361	--	--	--
2005	2	484	156	7,365	304	7,824	--	--	--	85,610	--	--	--
2006	(s)	492	153	6,430	287	6,870	--	--	--	89,836	--	--	--
2007	0	492	96	6,819	152	7,067	--	--	--	89,158	--	--	--
2008	0	489	145	8,372	81	8,598	--	--	--	91,231	--	--	--
2009	0	481	389	7,859	172	8,419	--	--	--	89,799	--	--	--
2010	0	495	162	8,260	144	8,565	--	--	--	87,257	--	--	--
2011	0	513	109	7,828	110	8,047	--	--	--	88,398	--	--	--
2012	0	478	64	5,917	47	6,029	--	--	--	90,110	--	--	--
2013	0	482	96	5,942	45	6,082	--	--	--	89,242	--	--	--
2014	0	397	94	4,896	59	5,049	--	--	--	89,361	--	--	--
2015	0	401	77	5,500	44	5,620	--	--	--	89,386	--	--	--
2016	0	412	76	5,990	83	6,149	--	--	--	88,311	--	--	--
2017	0	431	71	5,753	51	5,875	--	--	--	90,124	--	--	--
2018	0	424	81	6,269	51	6,400	--	--	--	89,100	--	--	--
2019	0	465	83	6,755	74	6,912	--	--	--	87,524	--	--	--

Trillion Btu

1960	0.1	377.6	2.8	12.7	0.1	15.6	25.3	NA	NA	51.1	469.6	126.4	596.0
1965	0.1	524.9	2.5	17.1	0.2	19.8	21.7	NA	NA	81.2	647.6	193.9	841.5
1970	1.3	582.4	2.9	17.3	0.9	21.2	24.2	NA	NA	122.1	751.2	295.3	1,046.5
1975	0.0	666.7	2.9	9.1	1.2	13.2	27.5	NA	NA	151.0	858.4	362.2	1,220.6
1980	(s)	552.4	0.6	16.5	0.1	17.2	53.0	NA	NA	177.5	800.0	426.3	1,226.4
1985	0.3	547.8	0.8	18.0	0.4	19.2	91.5	NA	NA	196.2	855.0	449.4	1,304.4
1990	0.1	531.0	1.2	19.3	0.5	21.0	73.2	0.2	18.0	227.2	870.6	497.2	1,367.9
1995	0.4	482.7	1.0	16.4	0.5	17.9	56.6	0.2	19.9	234.7	812.5	512.9	1,325.4
2000	0.1	494.2	1.4	17.9	1.6	20.9	37.0	0.2	17.5	270.4	840.1	586.6	1,426.7
2001	(s)	520.6	1.7	12.3	2.0	16.0	35.6	0.2	16.6	261.6	850.6	567.4	1,418.0
2002	(s)	520.8	0.9	14.3	1.2	16.4	36.1	0.2	15.9	263.4	852.8	572.8	1,425.7
2003	(s)	507.9	0.7	20.5	1.1	22.3	38.0	0.2	15.5	282.9	866.8	589.0	1,455.7
2004	(s)	522.3	0.8	24.9	1.6	27.3	38.9	0.2	15.3	284.4	888.4	600.9	1,489.3
2005	(s)	494.9	0.9	28.3	1.7	30.9	25.9	0.2	15.0	292.1	859.0	590.1	1,449.1
2006	(s)	503.0	0.9	24.7	1.6	27.2	23.0	0.2	16.0	306.5	875.8	612.8	1,488.6
2007	0.0	506.8	0.6	26.2	0.9	27.6	25.4	0.2	17.0	304.2	881.2	593.2	1,474.4
2008	0.0	502.8	0.8	32.2	0.5	33.5	28.4	0.2	18.3	311.3	894.5	617.1	1,511.6
2009	0.0	493.7	2.2	30.2	1.0	33.4	37.3	0.3	18.9	306.4	889.9	594.1	1,484.0
2010	0.0	505.5	0.9	31.7	0.8	33.5	40.0	0.3	20.8	297.7	897.8	568.8	1,466.7
2011	0.0	522.4	0.6	30.1	0.6	31.3	38.8	0.2	23.3	301.6	917.7	582.8	1,500.6
2012	0.0	487.6	0.4	22.7	0.3	23.4	32.4	0.3	26.3	307.5	877.4	559.6	1,437.0
2013	0.0	494.4	0.6	22.8	0.3	23.6	42.3	0.3	32.1	304.5	897.1	543.3	1,440.5
2014	0.0	408.8	0.5	18.8	0.3	19.7	42.8	0.3	41.3	304.9	817.7	537.3	1,355.0
2015	0.0	415.9	0.4	21.1	0.2	21.8	22.0	0.3	50.6	305.0	815.7	532.1	1,347.8
2016	0.0	426.4	0.4	23.0	0.5	23.9	R 20.6	0.3	65.5	301.3	R 838.0	R 529.1	R 1,367.1
2017	0.0	446.3	0.4	22.1	0.3	22.8	R 20.0	0.3	R 78.4	307.5	R 875.4	540.1	R 1,415.4
2018	0.0	438.2	0.5	24.1	0.3	24.8	R 22.2	0.3	R 89.8	304.0	R 879.3	R 561.0	R 1,440.3
2019	0.0	480.5	0.5	25.9	0.4	26.8	27.0	0.3	101.7	298.6	935.0	520.7	1,455.7

^a Beginning in 2008, data are no longer collected and are assumed to be zero.
^b Includes supplemental gaseous fuels that are commingled with natural gas.
^c Hydrocarbon gas liquids, assumed to be propane only.
^d Wood and wood-derived fuels.
^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
^g 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 net energy and total.

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