

CALIFORNIA Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, California

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{e,f} Million kilowatthours	Biomass		Geothermal ^f	Solar ^{f,h} Million kilowatthours	Electricity ⁱ Million kilowatthours	End use ^{f,j}	Electrical system energy losses ^k	Total ^{f,j}	
			Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil	Total ^d		Wood and waste ^{f,g}	Electricity ⁱ							
											Thousand barrels							Million kilowatthours
1960	3	109	637	1,142	46	1,406	7,284	10,515	NA	--	--	NA	22,039	--	--	--		
1965	5	164	560	1,541	95	1,309	6,200	9,705	NA	--	--	NA	29,917	--	--	--		
1970	48	210	657	1,562	510	1,482	8,631	12,842	NA	--	--	NA	40,634	--	--	--		
1975	0	240	647	819	650	1,622	4,377	8,115	NA	--	--	NA	57,846	--	--	--		
1980	3	258	3,225	1,487	222	1,795	6,811	13,540	NA	--	--	NA	63,465	--	--	--		
1985	41	205	3,416	1,618	353	1,759	35	7,181	NA	--	--	NA	73,592	--	--	--		
1990	20	285	4,094	1,739	19	1,928	882	8,661	7	--	--	13	88,311	--	--	--		
1995	116	279	3,164	1,477	27	236	4	4,907	4	--	--	22	86,032	--	--	--		
2000	21	246	3,104	1,611	52	237	1	5,005	8	--	--	43	99,900	--	--	--		
2005	18	233	1,968	2,416	59	274	0	4,717	5	--	--	132	117,551	--	--	--		
2006	1	244	1,481	1,792	54	285	0	3,613	7	--	--	176	121,255	--	--	--		
2007	0	251	1,834	2,014	31	280	0	4,158	13	--	--	234	123,690	--	--	--		
2008	0	251	2,847	2,600	14	277	0	5,738	0	--	--	359	125,026	--	--	--		
2009	0	248	3,511	2,077	20	268	0	5,876	(s)	--	--	421	121,105	--	--	--		
2010	0	248	4,724	2,246	33	263	0	7,266	7	--	--	509	121,152	--	--	--		
2011	0	246	4,191	2,194	25	260	0	6,670	5	--	--	645	122,781	--	--	--		
2012	0	253	3,768	2,228	9	256	0	6,260	3	--	--	937	121,792	--	--	--		
2013	0	255	3,492	2,118	8	268	0	5,885	5	--	--	1,170	116,858	--	--	--		
2014	0	238	3,346	2,531	9	257	1	6,143	4	--	--	1,436	119,494	--	--	--		
2015	0	236	3,641	2,083	8	10,019	1	15,753	3	--	--	1,543	118,384	--	--	--		
2016	0	237	3,674	2,856	14	10,049	1	16,594	12	--	--	1,825	116,775	--	--	--		
2017	0	237	3,736	2,863	10	10,190	0	16,800	19	--	--	2,455	117,682	--	--	--		
2018	0	248	3,608	3,262	8	10,377	0	17,254	11	--	--	3,336	115,786	--	--	--		
2019	0	256	3,477	3,458	8	10,457	0	17,401	14	--	--	3,778	114,279	--	--	--		
2020	0	233	2,700	3,258	8	10,512	0	16,478	6	--	--	4,271	107,006	--	--	--		
2021	0	240	R 3,827	3,681	10	10,604	0	R 18,122	9	--	--	4,840	108,762	--	--	--		
2022	0	247	3,553	3,669	8	10,896	0	18,126	8	--	--	5,531	114,141	--	--	--		

Trillion Btu

1960	0.1	112.7	3.7	4.4	0.3	7.4	45.8	61.5	NA	0.5	NA	NA	75.2	250.0	R 151.6	R 401.6
1965	0.1	175.5	3.3	5.9	0.5	6.9	39.0	55.6	NA	0.4	NA	NA	102.1	333.6	R 200.8	R 534.4
1970	1.1	221.3	3.8	6.0	2.9	7.8	54.3	74.8	NA	0.5	NA	NA	138.6	436.2	R 284.0	R 720.2
1975	0.0	253.7	3.8	3.1	3.7	8.5	27.5	46.6	NA	0.5	NA	NA	197.4	498.2	R 403.0	R 901.2
1980	0.1	269.4	18.8	5.7	1.3	9.4	42.8	78.0	NA	1.3	NA	NA	216.5	565.3	R 460.7	R 1,026.0
1985	1.0	212.9	19.9	6.2	2.0	9.2	0.2	37.6	NA	2.2	NA	NA	251.1	504.8	R 510.3	R 1,015.0
1990	0.5	294.2	23.8	6.7	0.1	10.1	5.5	46.3	R (s)	8.4	0.3	R (s)	301.3	R 651.1	R 526.4	R 1,177.5
1995	2.7	281.8	18.4	5.7	0.2	1.2	(s)	25.5	(s)	11.4	0.4	R (s)	293.5	R 615.4	R 456.2	R 1,071.6
2000	0.5	235.7	18.1	6.2	0.3	1.2	(s)	25.8	R (s)	10.8	0.6	R (s)	340.9	R 614.3	R 580.8	R 1,195.1
2005	0.4	238.5	11.5	9.3	0.3	1.4	0.0	22.5	R (s)	9.6	0.7	R (s)	401.1	R 673.3	R 621.8	R 1,295.0
2006	(s)	250.0	8.6	6.9	0.3	1.5	0.0	17.3	R (s)	10.4	0.7	R (s)	413.7	R 692.7	R 615.7	R 1,308.4
2007	0.0	258.4	10.6	7.7	0.2	1.4	0.0	20.0	R (s)	9.4	0.6	R (s)	422.0	R 711.3	R 666.7	R 1,378.0
2008	0.0	258.0	16.5	10.0	0.1	1.4	0.0	27.9	0.0	9.5	0.5	R 1.2	426.6	R 723.8	R 696.0	R 1,419.7
2009	0.0	254.5	20.3	8.0	0.1	1.4	0.0	29.7	(s)	10.6	0.6	R 1.4	413.2	R 710.0	R 643.2	R 1,353.2
2010	0.0	253.3	27.3	8.6	0.2	1.3	0.0	37.4	R (s)	10.5	0.6	R 1.7	413.4	R 716.9	R 614.4	R 1,331.3
2011	0.0	250.9	24.2	8.4	0.1	1.3	0.0	34.1	(s)	17.4	0.7	R 2.2	418.9	R 724.1	R 592.9	R 1,317.0
2012	0.0	258.3	21.7	8.6	(s)	1.3	0.0	31.6	(s)	16.8	0.6	R 3.2	415.6	R 726.1	R 583.9	R 1,310.0
2013	0.0	261.5	20.1	8.1	(s)	1.4	0.0	29.7	R (s)	17.4	0.6	R 4.0	398.7	R 711.9	R 541.9	R 1,253.8
2014	0.0	244.4	19.3	9.7	0.1	1.3	(s)	30.4	(s)	17.3	0.6	R 4.9	407.7	R 705.4	R 548.1	R 1,253.5
2015	0.0	244.5	21.0	8.0	(s)	50.7	(s)	79.7	(s)	R 14.9	0.6	R 5.3	403.9	R 748.9	R 538.3	R 1,287.2
2016	0.0	245.3	21.1	11.0	0.1	50.8	(s)	83.0	R (s)	14.3	0.6	R 6.2	398.4	R 748.0	R 478.6	R 1,226.6
2017	0.0	245.8	21.5	11.0	0.1	51.5	0.0	84.1	R 0.1	13.1	0.6	R 8.4	401.5	R 753.6	R 434.8	R 1,188.3
2018	0.0	256.3	20.8	12.5	(s)	52.4	0.0	85.8	R (s)	13.1	0.6	R 11.4	395.1	R 762.3	R 485.4	R 1,247.8
2019	0.0	264.7	20.0	13.3	(s)	52.8	0.0	86.2	R (s)	13.0	0.6	R 12.9	389.9	R 767.4	R 425.7	R 1,193.1
2020	0.0	240.5	15.5	12.5	(s)	53.1	0.0	81.2	R (s)	12.8	0.6	R 14.6	365.1	R 714.8	R 409.6	R 1,124.4
2021	0.0	248.3	22.1	14.1	0.1	53.5	0.0	89.8	R (s)	12.9	0.6	R 16.5	371.1	R 739.3	R 417.5	R 1,156.8
2022	0.0	255.2	20.5	14.1	(s)	55.0	0.0	89.6	(s)	13.0	0.6	18.9	389.5	766.9	426.2	1,193.1

a Includes supplemental gaseous fuels that are commingled with natural gas.
b Hydrocarbon gas liquids, assumed to be propane only.
c 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.
d Includes small amounts of petroleum coke not shown separately.
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 Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
i Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
j 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.
k 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/>