

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, California

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum				Nuclear electric power Million kilowatthours	Hydroelectric power ^d Million kilowatthours	Biomass Wood and waste ^{e,f} Million kilowatthours	Geothermal ^f Million kilowatthours	Solar ^{f,g} Million kilowatthours	Wind ^f Million kilowatthours	Electricity net imports ^h Total ^{f,i}	
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total								
			Thousand barrels											Million kilowatthours
1960	0	323	120	0	23,931	24,051	(s)	17,445	--	33	NA	NA	-400	--
1965	0	493	83	0	16,590	16,673	270	30,523	--	189	NA	NA	-3	--
1970	0	636	107	0	21,589	21,696	3,132	38,082	--	525	NA	NA	-11	--
1975	0	275	247	0	78,345	78,592	6,071	40,103	--	3,246	NA	NA	0	--
1980	0	519	2,559	0	62,663	65,222	4,920	40,780	--	5,073	NA	NA	89	--
1985	0	666	308	0	4,617	4,925	19,729	31,717	--	9,197	11	3	4,055	--
1990	910	629	264	819	7,169	8,252	32,693	23,785	--	14,521	367	2,759	4,618	--
1995	1,057	603	107	2,612	734	3,454	30,246	48,029	--	11,450	497	3,087	1,739	--
2000	939	893	899	3,319	86	4,304	35,176	38,326	--	12,308	493	3,518	3,381	--
2005	873	689	241	3,863	4	4,108	36,155	39,626	--	13,023	537	4,262	5,527	--
2006	899	771	201	3,558	15	3,775	31,959	48,040	--	12,821	495	4,883	2,372	--
2007	961	834	169	3,557	17	3,742	35,792	27,314	--	12,991	557	5,585	5,505	--
2008	993	858	175	3,055	9	3,239	32,482	24,128	--	12,883	670	5,385	4,695	--
2009	879	809	116	2,942	9	3,067	31,764	27,888	--	12,853	647	5,840	2,529	--
2010	892	736	76	2,158	8	2,242	32,201	33,424	--	12,600	765	6,079	3,072	--
2011	812	617	63	1,848	1	1,912	36,663	42,553	--	12,552	861	7,752	5,885	--
2012	539	855	61	362	0	423	18,507	26,835	--	12,519	1,328	9,754	8,602	--
2013	259	826	62	48	0	109	17,912	23,749	--	12,307	3,727	12,819	10,950	--
2014	278	832	66	43	0	108	16,986	16,527	--	12,102	9,834	12,988	12,309	--
2015	0	806	67	0	1	67	18,505	13,805	--	11,883	14,711	12,220	13,633	--
2016	0	666	65	0	0	65	18,908	28,930	--	11,457	18,677	13,498	15,386	--
2017	0	601	68	0	0	68	17,901	42,344	--	11,560	24,214	12,812	14,243	--
2018	0	616	66	0	0	66	18,214	26,320	--	11,677	26,818	14,013	724	--
2019	0	568	68	0	0	68	16,165	38,341	--	10,914	28,140	13,724	4,716	--
2020	0	616	62	0	0	62	16,259	21,371	--	11,367	30,060	13,572	3,237	--
2021	0	646	68	0	0	68	16,477	14,669	--	11,128	34,591	15,165	3,664	--
2022	0	645	58	0	0	58	17,593	17,636	--	11,181	38,393	14,627	3,204	--

Trillion Btu

1960	0.0	334.3	0.7	0.0	150.5	151.2	(s)	R 59.5	(s)	R 0.1	NA	NA	-1.4	R 543.7
1965	0.0	528.7	0.5	0.0	104.3	104.8	3.2	R 104.1	0.7	R 0.6	NA	NA	(s)	R 742.1
1970	0.0	670.6	0.6	0.0	135.7	136.4	34.4	R 129.9	0.5	R 1.8	NA	NA	(s)	R 973.6
1975	0.0	291.9	1.4	0.0	492.6	494.0	66.9	R 136.8	0.2	R 11.1	NA	NA	0.0	R 1,000.8
1980	0.0	545.8	14.8	0.0	394.0	408.7	53.7	R 139.1	0.2	R 17.3	NA	NA	0.3	R 1,165.1
1985	0.0	700.3	1.8	0.0	29.0	30.8	209.6	R 108.2	(s)	R 31.4	R (s)	(s)	13.8	R 1,094.2
1990	18.8	648.9	1.5	4.9	45.1	51.5	346.0	R 81.2	71.5	R 49.5	R 1.3	R 9.4	15.8	R 1,293.9
1995	23.3	620.0	0.6	15.7	4.6	21.0	317.8	R 163.9	62.6	R 39.1	R 1.7	R 10.5	5.9	R 1,265.8
2000	22.1	911.2	5.2	20.0	0.5	25.8	366.8	R 130.8	69.4	R 42.0	R 1.7	R 12.0	11.5	R 1,593.3
2005	20.7	709.3	1.4	22.1	(s)	23.5	377.3	R 135.2	73.1	R 44.4	R 1.8	R 14.5	18.9	R 1,418.8
2006	21.9	795.8	1.2	20.3	0.1	21.6	333.5	R 163.9	74.9	R 43.7	R 1.7	R 16.7	8.1	R 1,481.8
2007	23.4	860.4	1.0	20.3	0.1	21.4	375.4	R 93.2	71.5	R 44.3	R 1.9	R 19.1	18.8	R 1,529.3
2008	23.6	882.4	1.0	17.5	0.1	18.5	339.5	R 82.3	74.6	R 44.0	R 2.3	R 18.4	16.0	R 1,501.7
2009	21.1	830.8	0.7	16.8	0.1	17.6	332.2	R 95.2	77.5	R 43.9	R 2.2	R 19.9	8.6	R 1,448.9
2010	21.8	755.3	0.4	12.3	0.1	12.8	336.6	R 114.0	79.0	R 43.0	R 2.6	R 20.7	10.5	R 1,396.4
2011	19.7	630.1	0.4	10.6	(s)	10.9	383.6	R 145.2	69.0	R 42.8	R 2.9	R 26.4	20.1	R 1,350.9
2012	13.2	876.9	0.4	2.1	0.0	2.4	193.9	R 91.6	75.2	R 42.7	R 4.5	R 33.3	29.4	R 1,363.0
2013	6.2	849.4	0.4	0.3	0.0	0.6	187.2	R 81.0	74.3	R 42.0	R 12.7	R 43.7	37.4	R 1,334.5
2014	6.9	859.0	0.4	0.2	0.0	0.6	177.7	R 56.4	78.2	R 41.3	R 33.6	R 44.3	42.0	R 1,339.9
2015	0.0	833.7	0.4	0.0	(s)	0.4	193.5	R 47.1	75.7	R 40.5	R 50.2	R 41.7	46.5	R 1,329.4
2016	0.0	688.8	0.4	0.0	0.0	0.4	197.8	R 98.7	65.9	R 39.1	R 63.7	R 46.1	52.5	R 1,252.9
2017	0.0	621.2	0.4	0.0	0.0	0.4	187.2	R 144.5	64.9	R 39.4	R 82.6	R 43.7	48.6	R 1,232.6
2018	0.0	635.4	0.4	0.0	0.0	0.4	190.4	R 89.8	65.7	R 39.8	R 91.5	R 47.8	2.5	R 1,163.3
2019	0.0	587.6	0.4	0.0	0.0	0.4	168.8	R 130.8	66.8	R 37.2	R 96.0	R 46.8	16.1	R 1,150.6
2020	0.0	635.5	0.4	0.0	0.0	0.4	169.8	R 72.9	61.2	R 38.8	R 102.6	R 46.3	11.0	R 1,138.5
2021	0.0	667.5	0.4	0.0	0.0	0.4	R 171.8	R 50.1	58.7	R 38.0	R 118.0	R 51.7	12.5	R 1,168.7
2022	0.0	668.1	0.3	0.0	0.0	0.3	183.5	60.2	57.3	38.1	131.0	49.9	10.9	1,199.4

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b 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.

^c 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.

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

^e Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^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 Solar thermal and photovoltaic energy.

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

ⁱ 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/>