

CALIFORNIA Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, California

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum								Electricity ^f Million kilowatthours	End use ^{g,h}	Electrical system energy losses ⁱ	Total ^{g,h}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total				
			Thousand barrels											
1960	23	11	5,383	15,313	214	25,818	2,327	132,768	38,610	220,432	66	--	--	--
1965	8	16	3,342	21,032	208	40,150	2,772	166,346	35,109	268,960	66	--	--	--
1970	4	17	2,184	29,448	305	59,614	2,457	210,641	27,982	332,632	65	--	--	--
1975	(s)	20	1,640	30,528	390	62,509	2,386	238,548	20,056	356,057	265	--	--	--
1980	0	15	285	41,801	522	62,224	2,804	250,100	66,673	424,409	203	--	--	--
1985	0	14	1,354	49,892	1,225	67,028	2,552	262,544	43,340	427,934	266	--	--	--
1990	0	20	1,106	55,598	923	94,907	2,871	300,893	54,206	510,503	315	--	--	--
1995	0	20	807	57,940	564	95,304	2,739	310,379	44,043	511,776	423	--	--	--
2000	0	12	723	70,525	341	103,001	2,926	340,681	33,540	551,739	606	--	--	--
2005	0	20	530	81,307	842	104,612	2,468	375,652	33,924	599,335	846	--	--	--
2006	0	17	461	83,608	868	106,403	2,405	377,390	37,614	608,749	877	--	--	--
2007	0	20	443	85,465	760	110,794	2,483	376,053	39,652	615,649	848	--	--	--
2008	0	19	407	74,509	1,320	100,836	2,305	360,261	40,209	579,849	867	--	--	--
2009	0	19	285	73,406	1,013	97,985	2,073	352,703	38,519	565,985	844	--	--	--
2010	0	23	348	74,360	116	76,755	2,549	349,136	39,901	543,165	821	--	--	--
2011	0	25	379	75,886	117	76,404	2,388	339,741	29,724	524,639	827	--	--	--
2012	0	28	379	72,945	147	76,770	2,179	335,807	26,571	514,798	685	--	--	--
2013	0	25	342	75,872	203	78,696	2,276	339,959	19,747	517,096	836	--	--	--
2014	0	39	470	79,756	212	80,424	2,330	342,712	13,442	519,346	832	--	--	--
2015	0	36	499	80,487	285	86,709	2,571	342,128	18,509	531,188	838	--	--	--
2016	0	41	450	80,218	343	93,873	R 2,401	348,830	23,140	R 549,255	782	--	--	--
2017	0	44	407	82,842	275	99,777	R 2,232	350,604	26,219	R 562,356	835	--	--	--
2018	0	44	442	84,010	288	101,663	R 2,146	349,108	26,855	R 564,512	750	--	--	--
2019	0	49	497	83,117	250	103,769	R 2,100	343,683	29,320	R 562,735	768	--	--	--
2020	0	42	380	78,123	145	59,550	R 1,727	273,289	20,045	R 433,260	603	--	--	--
2021	0	47	390	R 81,733	131	70,561	R 1,882	302,881	28,248	R 514,463	621	--	--	--
2022	0	49	404	81,180	183	82,887	1,942	299,304	28,946	533,951	685	--	--	--

Trillion Btu

1960	0.6	11.0	27.2	89.2	0.8	140.7	14.1	697.4	242.7	1,212.1	0.2	1,223.9	R 0.5	R 1,224.3
1965	0.2	16.8	16.9	122.5	0.8	222.2	16.8	873.8	220.7	1,473.7	0.2	1,491.0	R 0.4	R 1,491.4
1970	0.1	17.9	11.0	171.5	1.2	332.9	14.9	1,106.5	175.9	1,814.0	0.2	1,832.2	0.5	R 1,832.6
1975	(s)	21.4	8.3	177.8	1.5	350.2	14.5	1,253.1	126.1	1,931.4	0.9	1,953.7	R 1.8	R 1,955.6
1980	0.0	15.9	1.4	243.5	2.0	348.7	17.0	1,313.8	419.2	2,345.6	0.7	2,362.2	R 1.5	R 2,363.6
1985	0.0	15.0	6.8	290.6	4.7	375.8	15.5	1,379.1	272.5	2,345.1	0.9	2,362.4	R 1.8	R 2,364.3
1990	0.0	20.8	5.6	323.9	3.5	534.7	17.4	1,580.6	340.8	2,806.4	1.1	2,832.2	R 1.9	R 2,834.0
1995	0.0	20.0	4.1	337.2	2.2	540.4	16.6	1,615.2	278.9	2,792.5	1.4	2,814.0	R 2.2	R 2,816.2
2000	0.0	11.5	3.7	410.4	1.3	584.0	17.7	1,771.9	210.9	2,999.9	2.1	3,013.5	R 3.5	R 3,017.0
2005	0.0	20.7	2.7	473.0	3.2	593.1	15.0	1,950.4	213.3	3,250.7	2.9	3,274.4	R 4.5	R 3,278.9
2006	0.0	17.3	2.3	485.2	3.3	603.3	14.6	1,956.8	236.5	3,302.0	3.0	3,322.7	R 4.5	R 3,327.2
2007	0.0	20.6	2.2	494.3	2.9	628.2	15.1	1,933.7	249.3	3,325.7	2.9	3,349.8	R 4.6	R 3,354.4
2008	0.0	20.0	2.1	430.7	5.1	571.7	14.0	1,839.5	252.8	3,115.8	3.0	3,139.3	R 4.8	R 3,144.1
2009	0.0	19.7	1.4	424.1	3.9	555.6	12.6	1,795.3	242.2	3,035.0	2.9	3,057.6	R 4.5	R 3,062.0
2010	0.0	23.8	1.8	429.4	0.4	435.2	15.5	1,769.1	250.9	2,902.2	2.8	2,928.8	R 4.2	R 2,933.0
2011	0.0	25.4	1.9	437.9	0.4	433.2	14.5	1,720.1	186.9	2,794.9	2.8	2,823.1	R 4.0	R 2,827.1
2012	0.0	28.1	1.9	420.7	0.6	435.3	13.2	1,699.9	167.1	2,738.6	2.3	2,769.0	R 3.3	R 2,772.3
2013	0.0	25.2	1.7	437.2	0.8	446.2	13.8	1,720.2	124.1	2,744.1	2.9	2,772.2	R 3.9	R 2,776.1
2014	0.0	39.6	2.4	459.6	0.8	456.0	14.1	1,733.8	84.5	2,751.2	2.8	2,793.7	R 3.8	R 2,797.5
2015	0.0	36.8	2.5	463.8	1.1	491.6	15.6	1,730.1	116.4	2,821.1	2.9	2,860.8	R 3.8	R 2,864.6
2016	0.0	42.7	2.3	461.8	1.3	532.3	R 14.6	1,763.3	145.5	R 2,921.0	2.7	R 2,966.4	R 3.2	R 2,969.6
2017	0.0	45.9	2.1	476.9	1.1	565.7	R 13.5	1,771.6	164.8	R 2,995.7	2.8	R 3,044.5	R 3.1	R 3,047.6
2018	0.0	45.4	2.2	483.8	1.1	576.4	R 13.0	1,764.4	168.8	R 3,009.8	2.6	R 3,057.8	R 3.1	R 3,060.9
2019	0.0	50.3	2.5	478.7	1.0	588.4	R 12.7	1,736.3	184.3	R 3,003.9	2.6	R 3,056.7	R 2.9	R 3,059.6
2020	0.0	43.8	1.9	449.7	0.6	337.6	R 10.5	1,380.7	126.0	2,307.0	2.1	R 2,352.8	R 2.3	R 2,355.1
2021	0.0	48.5	2.0	R 471.1	0.5	400.1	R 11.4	1,529.5	177.6	R 2,749.0	2.1	R 2,799.6	R 2.4	R 2,802.0
2022	0.0	50.9	2.0	468.0	0.7	470.0	11.8	1,511.2	182.0	2,860.0	2.3	2,913.3	2.6	2,915.8

^a Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d 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.

^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^f 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.

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

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

ⁱ 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/>