



Home → almanac → transportation data → gasoline

California Retail Fuel Outlet Annual Reporting (CEC-A15) Results

The Petroleum Industry Information Reporting Act (PIIRA) requires all retail transportation fueling stations in California to file a Retail Fuel Outlet Annual Report (CEC-A15). These stations report retail sales of gasoline, diesel, and other transportation fuels. Sales data reported does not include commercial fleets, government entities, or rental facilities/equipment yards.

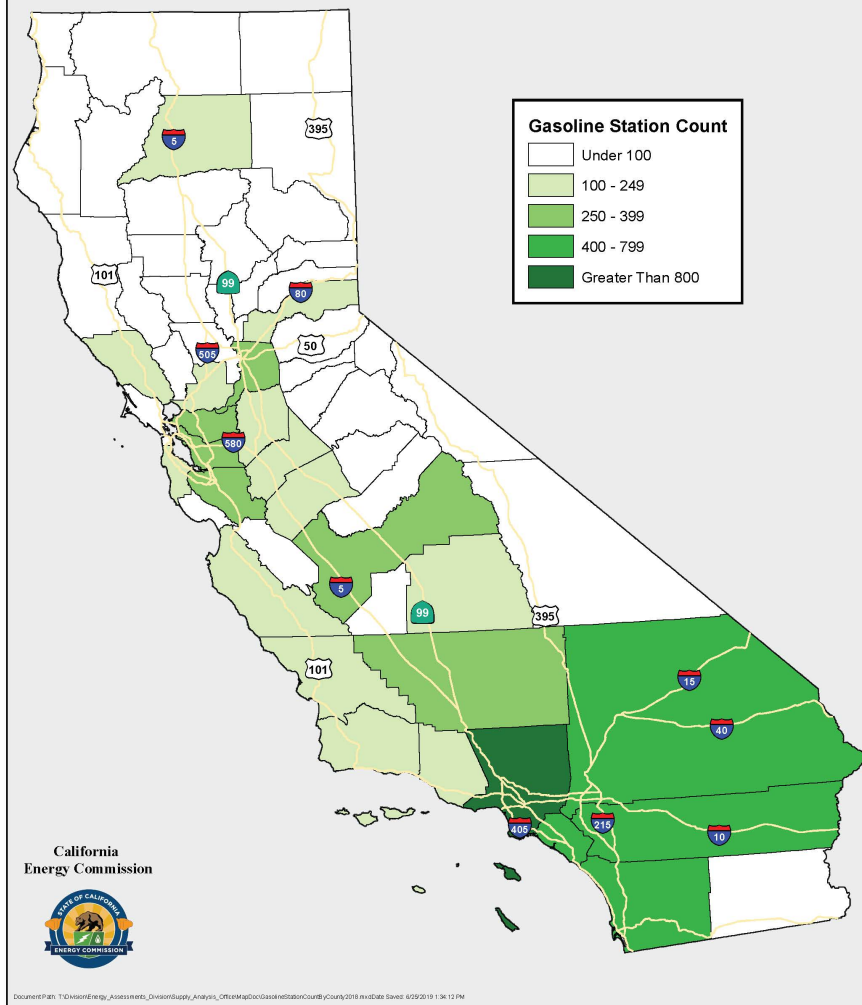
Number of Retail Fuel Stations by Fuel – Survey Responses

Reporting Year	Gasoline	Diesel	E85 ¹	Propane	Natural Gas ³	Total Stations Survey Responses	Total Stations Estimated
2009	8,138	3,826	30	726	52	8,369	9,790
2010	7,707	3,715	36	679	42	7,965	9,800
2011	8,036	3,942	42	809	48	8,343	9,710
2012	7,748	3,847	51	805	32	8,038	10,219
2013	7,044	3,579	59	699	46	7,293	10,076
2014	6,369	3,416	56	714	29	6,594	10,080
2015	7,240	4,095	81	573	139	7,516	10,309
2016	8,456	4,790	111	651	164	8,924	10,481
2017	8,353	4,854	127	349	142	8,872	10,353
2018	8,256	4,873	148	381	155	8,684	10,266

Source: California Energy Commission

*Stations by fuel type will not equal total respondents due to stations often dispensing multiple fuel types.

California 2018 Estimated Number of Stations by County



Retail Sales Volumes – Survey Responses (Million Gallons)

Reporting Year	Gasoline	Diesel	E85 ¹	Propane	Natural Gas ²
2009	12,764	1,393	1.38	40.87	3.84
2010	12,238	1,285	2	32.64	4.09
2011	12,644	1,346	3.89	19.82	7.26
2012	12,241	1,325	5.12	25.44	6.6
2013	11,418	1,262	7.31	13.99	6.17
2014	10,220	1,227	4.99	18.23	3.94
2015	12,044	1,592	11.99	13.83	41.19
2016	13,787	1,743	16.85	9.09	45.16
2017	13,936	1,717	23.01	6.24	45.61
2018	13,475	1,602	32.04	4.04	37.82

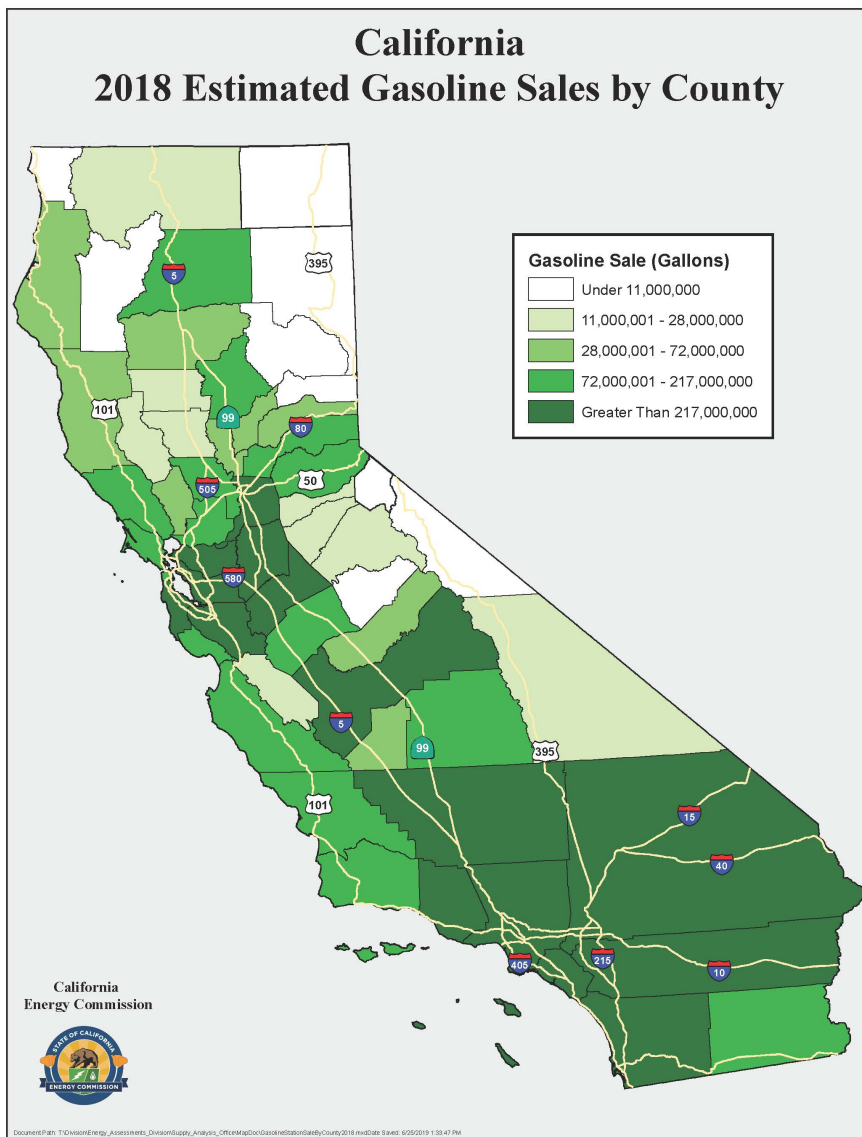
Source: California Energy Commission

A15 Report Responses vs. Board of Equalization (BOE) (Million Gallons)

Reporting Year	Gasoline			Diesel	
	Survey Responses	% Differences	BOE ³ Taxable	Survey Responses	BOE ⁴ Taxable
2009	12,764	13.80%	14,814	1,393	2,580
2010	12,238	17.60%	14,861	1,285	2,590
2011	12,644	13.40%	14,606	1,346	2,622
2012	12,241	12.70%	14,486	1,325	2,603
2013	11,394	21.60%	14,540	1,262	2,740
2014	10,220	30.40%	14,701	1,227	2,776
2015	12,044	20.30%	15,108	1,592	2,825
2016	13,787	11.0%	15,492	1,743	3,005
2017	13,936	10.6%	15,584	1,717	3,124
2018	13,475	12.9 %	15,471	1,601	3,074

Source: California Energy Commission

Note: BOE tracks all gasoline and diesel sales in California for taxation purposes, but accounts for those sales at the finished fuel terminal level where taxation first occurs. Because of this, BOE gasoline and diesel sales have no regional dimension available. The CEC-A15 tracks fuel sales at the retail level, station by station, but since the current number of stations is constantly changing and the full station population is unknown, staff uses the total known BOE gasoline and diesel sales figures as a benchmark to achieve in data collection efforts. Differences in these two figures estimate the amount of sales underreported in CEC-A15 results.



The following Excel files contain annual CEC-A15 results and analyses summarized in county level tables for station counts, gasoline sales, and diesel sales. Figure in the workbooks graphically display the gasoline sales and diesel sales tables.

» [2010-2018 CEC-A15 Results and Analysis \(XLSX File\)](#)

Methodology for Estimating Stations and Sales

Using a statistical resampling methodology, staff estimates the total gasoline station population by matching gasoline sales reported by the California Board of Equalization (BOE). This is done by using a subset of the CEC-A15 reporting stations to estimate the characteristics of the missing fueling station population. Since large fueling retailer chains are easier to survey due to their visibility, the resampling is weighted toward smaller retailers as it is assumed they are the primary non-responders to this report.¥

¹ According to the Air Resources Board (ARB), E-85 dispensed, in California, averages 83 percent ethanol and 17 percent gasoline.

² Natural Gas survey responses are measured in Gasoline Gallon Equivalent (GGE).

³Source: California Energy Commission (CEC) analysis of Board of Equalization (BOE) taxable gasoline figures.

⁴ Source: BOE taxable diesel figures which include taxable retail sales and taxable non-retail sales.