EV Goals and Progress

Bay Area and California

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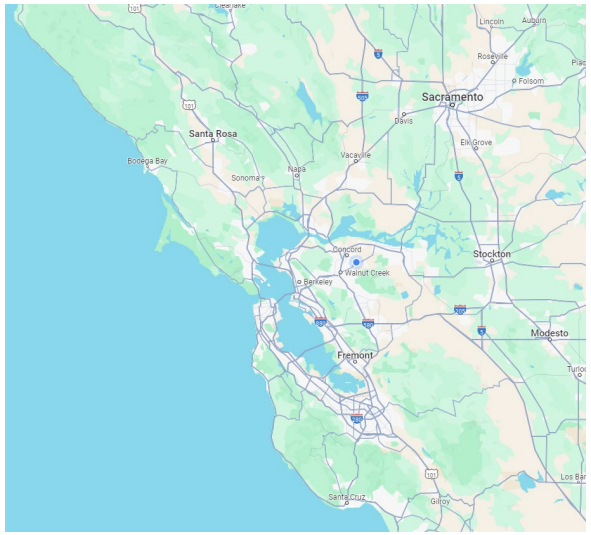
Electric Vehicle Goals

Bay Area

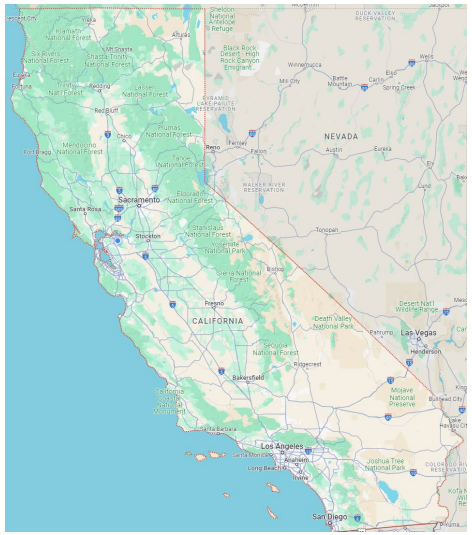
- 2030: 1.5 million EVs
- 2050: 5 million EVs (90% of fleet)



Google Maps. Bay Area California. Retrieved March 28, 2024 from https://maps.app.goo.gl/SEgCNawj3cBC2Rd6A.

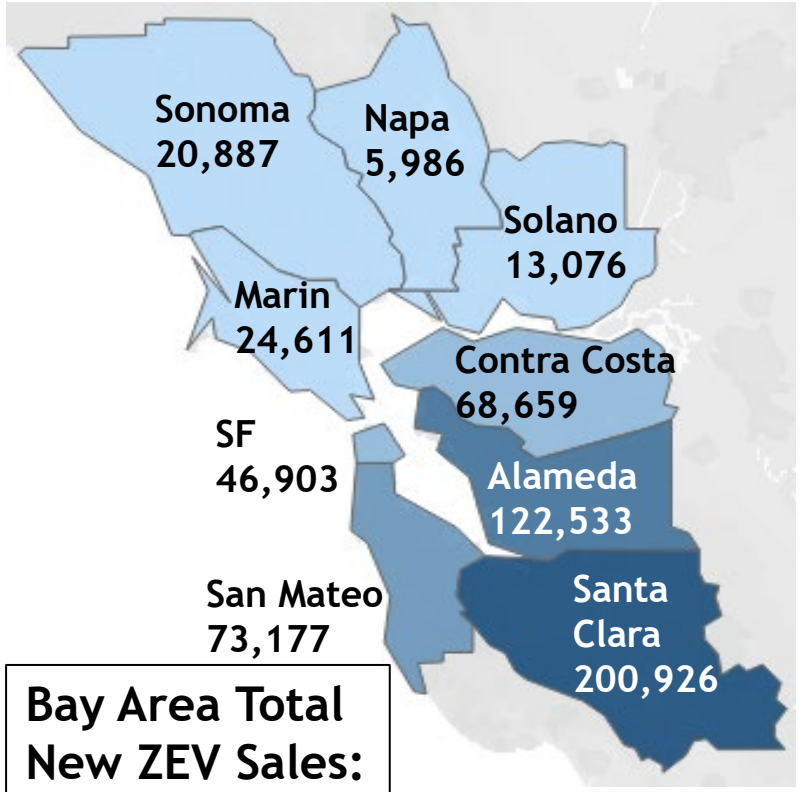
California

- 2030: 5 million EVs sold
- 2035: 100% EV sales (passenger vehicles)



Google Maps. California. Retrieved March 28, 2024 from https://maps.app.goo.gl/apWLe8t1t3j6HZbZ6.

New ZEV Adoption

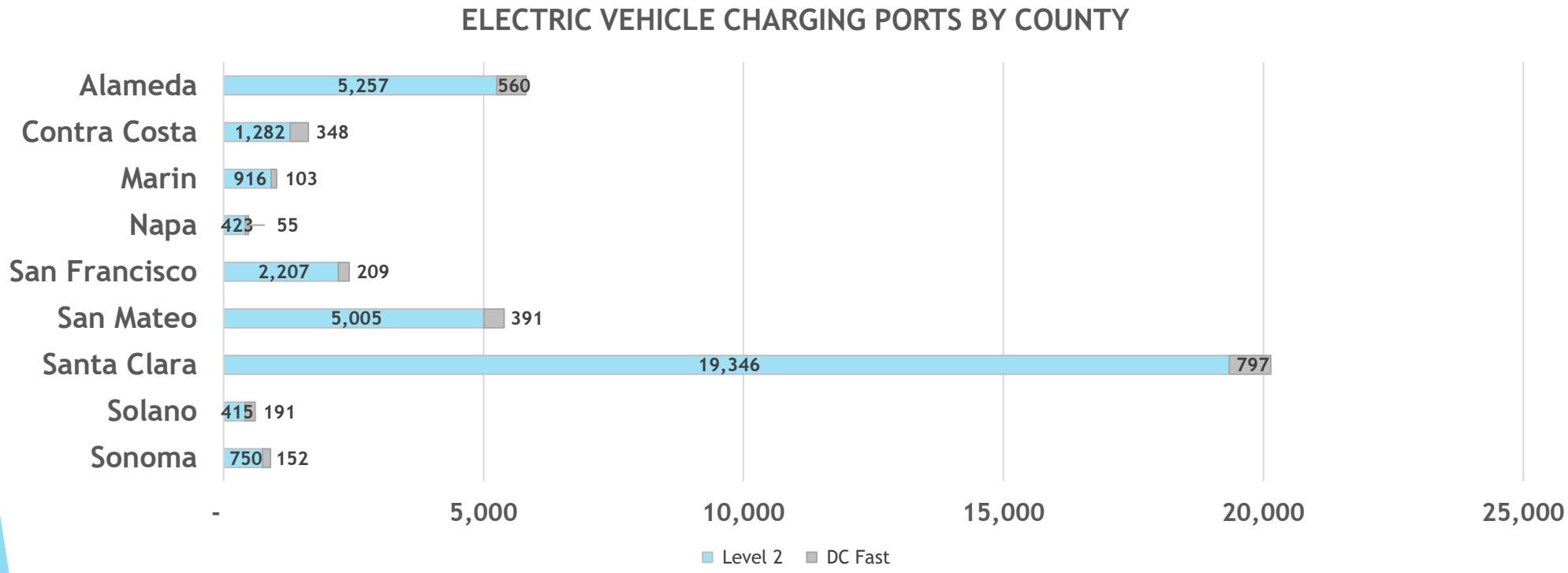


Bay Area Total New ZEV Sales: 576,758

CA Total New ZEV Sales: 1,846,874

California Energy Commission (2023). New ZEV Sales in California. Data last updated February 1, 2024. Retrieved March 15, 2024 from https://www.energy.ca.gov/zevstats.

Existing EV Infrastructure - Bay Area



Total public and shared private EV charging ports as of December 2023: ~38,400

California Energy Commission (2023). Electric Vehicle Chargers in California. Data last updated March 1, 2024. Retrieved March 28, 2024 from https://www.energy.ca.gov/zevstats.

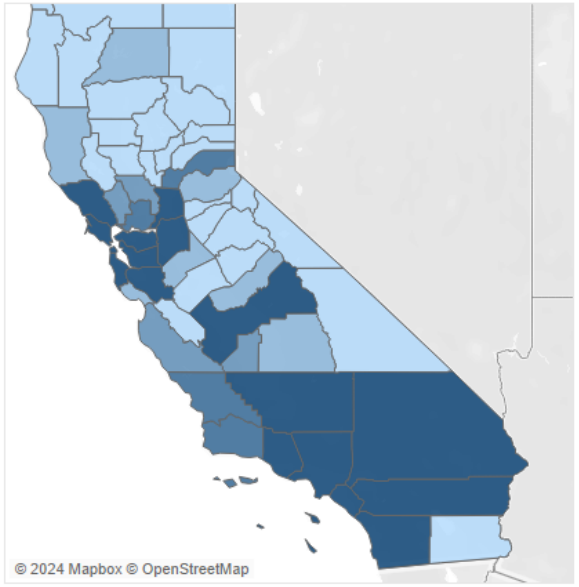
Existing EV Infrastructure - California

ELECTRIC VEHICLE CHARGERS

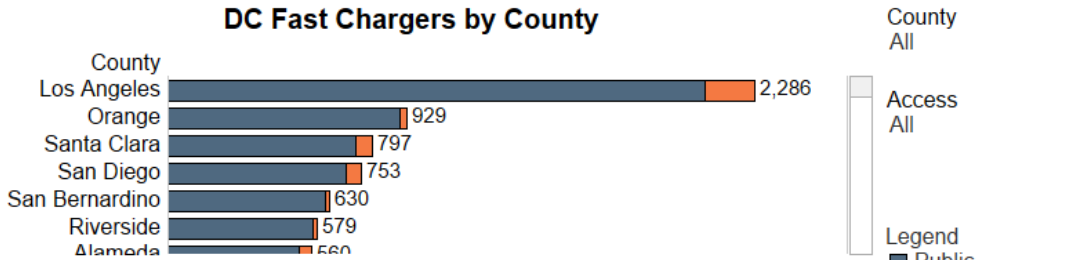
Total Public and Shared Private Electric Vehicle Chargers

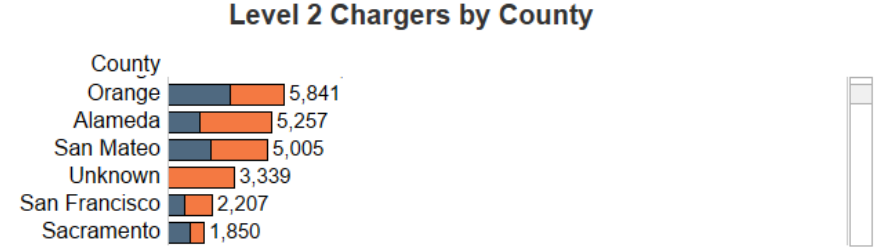
105,012

Public	Shared Private
41.28%	58.72%
43,344	61,668



Number of Chargers
1 — 1,000

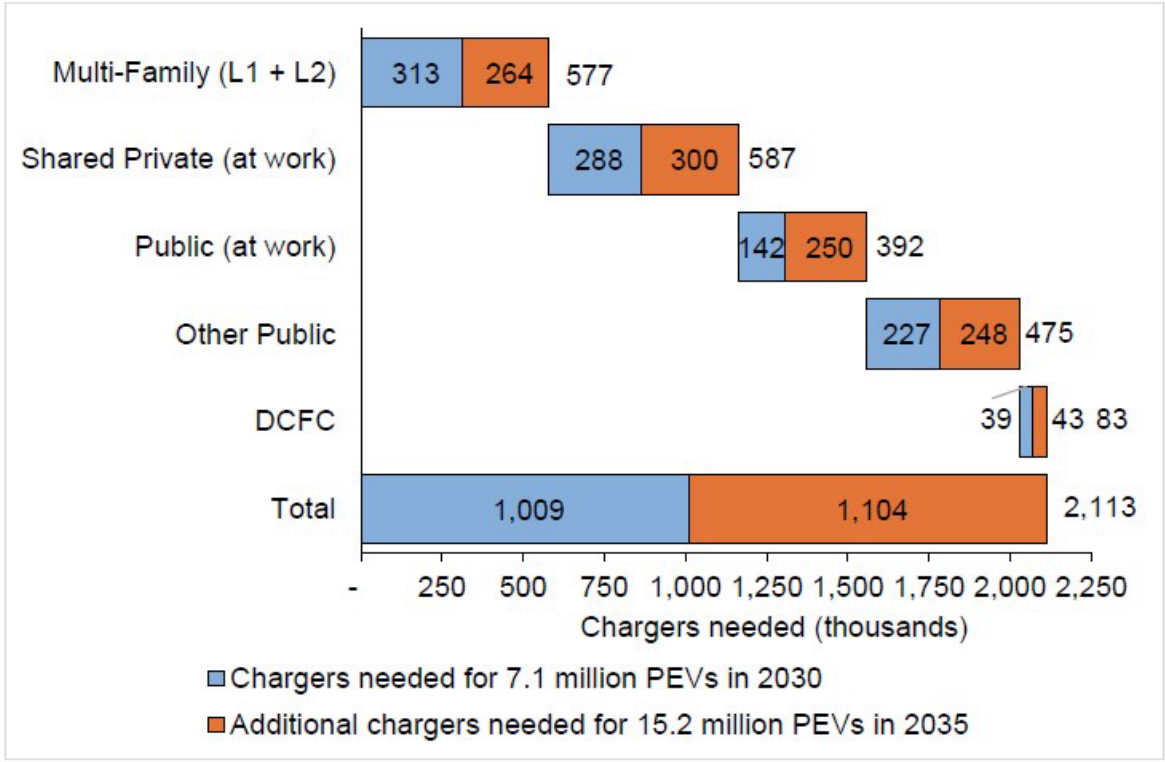




	Public	Shared Private	Grand Total
Level 2	32,667	60,975	93,642
DC Fast	10,677	693	11,370
Total Chargers	43,344	61,668	105,012

California Energy Commission (2023). Electric Vehicle Chargers in California. Data last updated March 1, 2024. Retrieved March 28, 2024 from https://www.energy.ca.gov/zevstats.

California's Projected Charger Needs



Models project that California will need more than 1 million public and shared private chargers in 2030 to support 7.1 million plug-in electric vehicles and 2.1 million chargers in 2035 to support 15.2 million plug-in electric vehicles.

Source: CEC staff

Chargers Needed for Light-Duty Plug-In Electric Vehicles in 2030 and 2035

Davis, Adam, Tiffany Hoang, Thanh Lopez, Jeffrey Lu, Taylor Nguyen, Bob Nolty, Larry Rillera, Dustin Schell, Micah Wofford. 2023. *Assembly Bill 2127 Second Electric Vehicle Charging Infrastructure Assessment: Assessing Charging Needs to Support Zero-Emission Vehicles in 2030 and 2035*. California Energy Commission. Publication Number: CEC-600-2024-003