

## **Veloz Electric Vehicle Market Report**

### Data Calculation Details

Starting in July 2020, Veloz aligned with a new partner for electric vehicle (EV) sales data. Veloz is now receiving quarterly sales numbers and related data from the California Energy Commission (CEC) and the California Air Resources Board (CARB). Electric vehicles include battery-electric, plugin hybrid-electric and fuel cell electric vehicles. Veloz has tracked sales data back to 2010 and [veloz.org/ev-market-report](https://veloz.org/ev-market-report).

#### **National Electric Vehicle Sales:**

Veloz calculates the number of electric vehicles sold nationally using California quarterly sales from the CEC and estimates from CARB to determine the percentage of national electric vehicle sales that occur in California. The California market share of national electric vehicles has fluctuated from 55% to 30% over time. Veloz works with CARB staff to update the California sales percentages on a rolling basis.

#### **California Electric Vehicle Sales:**

Veloz receives quarterly updates of electric vehicle sales in California from the CEC [Zero Emission Vehicle and Infrastructure Statistics](#) 30 days after each quarter ends. The CEC has partnered with the Department of Motor Vehicles (DMV) to track the sales of electric vehicles in California. The DMV vehicle registration database contains data on all registered vehicles in California. These data are cross-referenced with a secondary database that translates each Vehicle Identification Number to a specific make, model, year and fuel type. A vehicle is considered a new sale when it shows no evidence of transfer of ownership and has a low odometer reading.

#### **California Electric Vehicle Chargers:**

Veloz receives quarterly updates of plug-in electric vehicle chargers in California from the CEC [Zero Emission Vehicle and Infrastructure Statistics](#). The number of chargers includes public and shared private chargers (typically found in workplaces, multifamily dwellings, and other non-public venues). The CEC obtains the number of public chargers from the United States Department of Energy (DOE) Alternative Fuels Data Center (AFDC). The CEC obtains the number of shared private chargers from the AFDC, PlugShare and voluntary surveys sent to electric vehicle network service providers, utilities and public agencies in the state. This number includes all public Level 1, Level 2 and DC Fast Chargers in the state that are available at the time of publishing and includes J1772, CHAdeMO, SAE CCS and

Tesla connectors. The term 'chargers' correlates directly with the DOE's use of "charging outlets" and is indicative of how many EVs can be charged.

### **Hydrogen Fueling Stations:**

Veloz obtains the number of open, retail hydrogen fueling stations from the CEC on an ongoing basis.

### **California Models Available:**

The number of models available in California is provided from the CEC [Zero Emission Vehicle and Infrastructure Statistics](#). The model is included in the count if it had any sales in that quarter. EVs that have been discontinued by auto makers will still be reflected in this number if a new car of this make and model was sold. This data is provided to Veloz by the CEC and is cross-referenced with the information available on [ElectricForAll.org](#).

### **California Medium/Heavy-Duty EV Trucks, Buses and Delivery Vans:**

Beginning in 2022, the population of medium/heavy-duty EV trucks, buses and delivery vans on the road in California have been provided from the CEC [Zero Emission Vehicle and Infrastructure Statistics](#). The dataset contains DMV-registered medium- and heavy-duty vehicles licensed for operation on California roads.

The CEC uses the Federal Highway Administration's classifications of Medium/Heavy-Duty EV Trucks, Buses and Delivery Vans, which is the standard for transportation planning, while CARB uses the U.S. EPA's weight classifications for the purposes of emissions reductions. The difference between the numbers is primarily ZEV delivery vans and pickup trucks. These vehicle types count for the purposes of compliance with CARB's Advanced Clean Trucks (ACT) regulation. The differences can be viewed [here](#). Veloz uses the CEC data for the EV Market Report.

If you require additional details, contact Veloz at [hello@veloz.org](mailto:hello@veloz.org).