

# Item 5: Information Item - Update on Data Visualization and Exploration Tools

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### **Benefit to Californians**

- Explore CEC data directly from our website
- Faster, more detailed, more up-to-date access to CEC data
- Significantly reduced staff time and resources spent on data requests





Data visualization and exploration tools provide interactive access to CEC data and insights.

- GIS applications developed in coordination with our GIS unit.
- All tools available via the Data Exploration Tools page on our public website.
- New tools page provides easier search and access.

### Featured Data Exploration Tools

Access the most showcased tools below. Search for more Data Exploration Tools

Pydrogen
Hydrogen
Hydrogen
Hydrogen
Hydrogen Refueling Stations in California
Explore how many new zero emission vehicle are tered.

Hydrogen Refueling Stations in California
Explore how many hydrogen refueling stations are available in California.

Explore how many electric vehicle chargers in California
in California.

### **Search Data Exploration Tools**

Filter tools by Title, Subject Area, and/or Collection. A Collection has two or more related tools organized together. Tools will display as collections; however, part of a Collection will display individually.	tools not
The CEC is actively developing new tools across many subject areas, including Natural Gas, Infrastructure and Planning and Renewables and will publish there become available. <u>View the most showcased tools</u> .	n as they
Filter by Title:	
Filter by Area:	+
Filter by Collection:	+
APPLY	

Data visualization and exploration tools can be found at <a href="https://www.energy.ca.gov/data-reports/data-exploration-tools">https://www.energy.ca.gov/data-reports/data-exploration-tools</a>



# **Top Visualizations**

Web page view counts for our top 5 visualizations and in total

Visualization	3 Month	12 Month
New ZEV Sales in California	6,724	23,226
Hydrogen Refueling Stations in California	6,269	20,284
California Energy Storage System Survey	3,888	17,636
Electric Vehicle Chargers in California	3,636	13,647
Estimated Gasoline Price Breakdown and Margins	3,379	15,799
All Visualizations	39,384	151,683

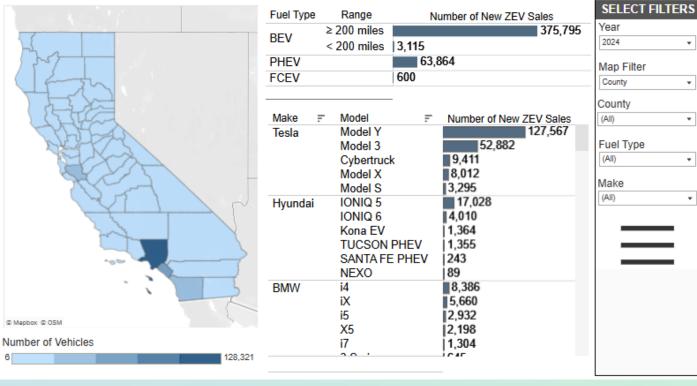


## **Top Visualization for Q1**

- Tracks sales of zeroemission vehicles
- Filter by technology, make, location, and year
- Tabular and geographic views

https://www.energy.ca.gov/data-reports/energy-almanac/zero-emission-vehicle-and-infrastructure-statistics-collection/new-zev







- 47 visualizations live or in the works.
  - ~ 39k views in Q1.
- CEC-wide data and analytics training available via DataCamp.
  - > 400 registered users
  - > 3,100 hrs of training last year

 Data Engineering Unit at 8 members and hiring 2 more engineers.

# Data Visualization and Exploration ToolsQ1TotalPublic Website338In Development39



### Goals for 2025

- Continue building new visualization and exploration tools.
- Continue building data pipelines and migrating data flows.
- Establish analytics tool suite to better utilize cloud data and staff training.

