



California Energy Commission
50 YEARS OF ENERGY LEADERSHIP



Enter keywords, e.g. Energy Code

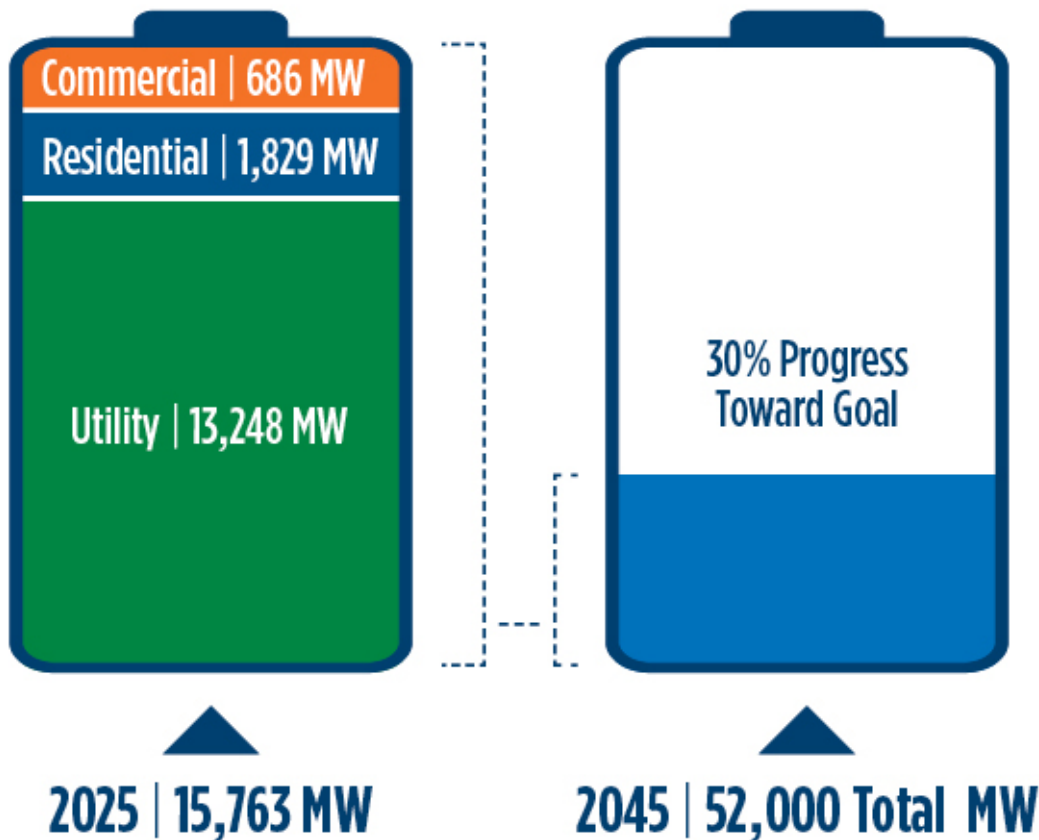


< California Electricity Data

California Energy Storage System Survey

Energy Storage in California by Type

** As of April 2025*



California is a world leader in energy storage with the largest fleet of batteries that store energy for the electricity grid. Energy storage is an important tool to support grid reliability

and complement the state's abundant renewable energy resources. These technologies capture energy generated during non-peak times to be dispatched at the end of the day and into the evening as the sun sets and solar resources go offline, reducing dependence on fossil fuel generation to meet peak loads.

The Public Utilities Code defines an energy storage system as a commercially available technology that absorbs energy, storing it for a specified period, and then dispatches the energy. From 2018 through the first quarter of 2025, battery storage capacity in California increased from 500 megawatts (MW) to more than 15,700 MW with an additional 8,600 MW planned to come online by the end of 2027. The state projects 52,000 MW of battery storage will be needed by 2045.

This dashboard presents statewide data for residential, commercial, and utility-scale installations as of April 3, 2025.

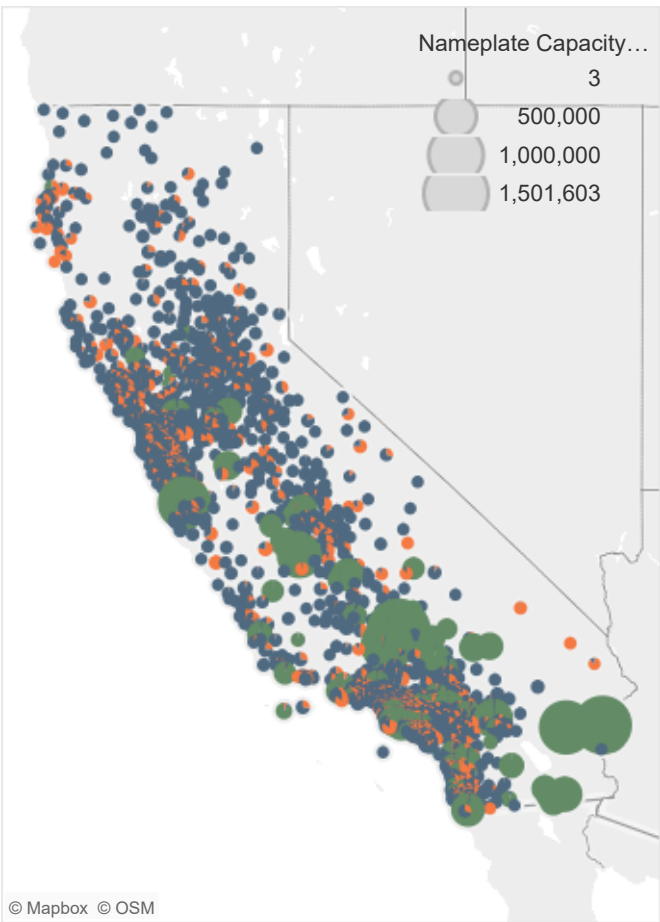
Dashboard is best viewed from a computer. Visit Tableau for the [full page layout of dashboard](#) or [download data](#).

California Energy Storage System Survey

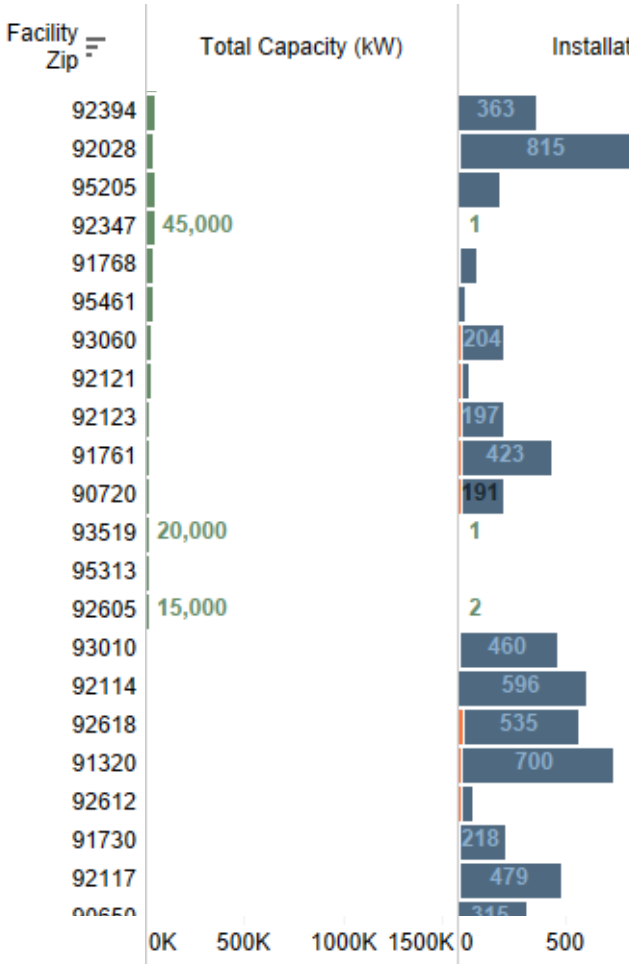
Statewide Energy Storage Power Capac
15,763 MW

Customer Sector	Total Capacity..	Installations	Average
Residential	1,829	249,340	
Commercial	686	3,335	
Utility	13,248	214	
Total	15,763	252,889	

Installed Storage Power Capacity by ZIP Code



Power Capacity and Installations



Expand All

Definitions of Terms

Additional Information about the Data

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