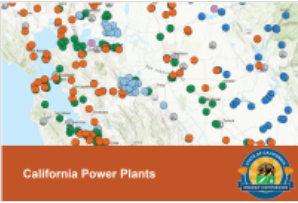


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Power plant locations and characteristics as recorded in the Quarterly Fuel and Energy Report (QFER) database from the California Energy Commission (CEC). Last updated in May 2023

Feature layer by [tdavid\\_CAEnergy](#)

Item created: Dec 27, 2017    Item updated: May 8, 2023    View count: 118,554

## Description

The power plant locations and characteristics are part of the California Energy Commission’s (CEC) California Energy Infrastructure geospatial data sets. The data is derived from the CEC’s QFER-1304 Power Plant Owner Reporting Database and is updated annually. Among other information, a number of identifying attributes are given for each power plant as well as the generator units at each plant, their energy type, the total nameplate capacity, and their owners and operators.

This California Power Plants data set has identical information to the many tables making up the QFER data set, however this single feature layer is derived by condensing several QFER tables into one. Some fields of the original tables have been omitted, and point geometries, determined by each plants’ address fields, have been appended for geospatial display. Four new fields have been compiled from QFER’s Annual Generation Table. These are listed and defined as:

- Nameplate Capacity (MW): The total nameplate capacity from every unit that makes up the power plant, regardless of status
- Units: List of the unit names at each power plant
- Primary Energy Source: A list of the primary energy sources used by every generator at the plant
- Last Reported Year: The last year that the power plant was recorded in the Annual Generation Table.

The purpose of this feature layer is to:

- Support the CEC/Energy Assessments Division/Supply Analysis Office in electric generation report;
- Support the CEC/REAT by providing information on renewable power plant location and capacity;
- Support the CEC/STEP/Engineering Office/Geo Science in water management report;
- Support CEC/STEP/Siting Office, Compliance Office, Environmental Office, Engineering Office, and /Strategic Transmission Planning and Corridor Designation Office by providing information on power plant location, capacity, fuel type, operational status, CEC docket id, etc.
- Support the CEC/STEP/Strategic Transmission Planning and Corridor Designation Office in corridor study and transmission line siting;
- Support the CEC staff’s various analysis by providing general geographic reference information;
- Enhance communication between government agencies on emergency management, resource management, economic development, and environmental study;
- Provide illustration of critical infrastructure spatial data to the public or other agencies

## Details

Source: [Feature Service](#)  
Data updated: May 10, 2023, 1:38 PM  
Schema updated: May 27, 2023, 10:36 PM  
Size: 1.578 MB  
Attachments size: 0 KB  
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 **California Power Plants**  
Point layer

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