



U.S. STATES

California

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California

End-use energy consumption 2024, estimates

End-use consumption by source, excluding losses

6,042.6 trillion British thermal units
(percent of total for all sources)



Coal

29.1
(0.5%)



Natural
gas

1,424.3
(23.6%)



Petroleum

3,555.2
(58.8%)



Renewable
energy

197.1
(3.3%)



Electricity

838.4
(13.9%)

Electric power sector consumption by source

1,182.5 trillion British thermal units
(percent of total for all sources)



Coal

0.0
(0.0%)



Natural
gas

588.3
(49.7%)



Petroleum

0.3
(0.0%)



Renewable
energy

402.5
(34.0%)



Nuclear
power

191.9
(16.2%)

Electricity flows

trillion British thermal units



Net interstate inflows of
electricity

453.3

Net international imports of
electricity

15.5

End-use consumption by sector, excluding losses

6,042.6 trillion British thermal units
(percent of total for all sectors)



Commercial

804.1
(13.3%)



Industrial

1,267.3
(21.0%)



Residential

863.1
(14.3%)



Transportation

3,108.2
(51.4%)

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energy source



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Facts about California

- In 2024, California was the fourth-largest total electricity producer in the nation. It is also the nation's third-largest electricity consumer and imports the second-largest amount of electricity of any state.
- In 2024, California was the eighth-largest producer of crude oil among the 50 states, and the state ranked third in crude oil refining capacity.
- California is the largest consumer of jet fuel in the nation and second-largest consumer of motor gasoline after Texas.
- California is the second-largest total energy consumer among the states, after Texas, but its per capita energy consumption is the third-lowest in the nation.
- In 2024, renewable resources, including hydroelectric power and small-scale solar power, supplied 57% of California's in-state electricity generation. Natural gas fueled another 35% and nuclear power provided almost all the rest.
- Last Updated: June 20, 2025

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Energy indicators for California

Demography	California	Share of U.S.	Period
Civilian Labor Force	19.7 million	11.6%	Mar-26
Economy	California	U.S. Rank	Period
Gross Domestic Product	\$4,103.1 billion	1st	2024
Gross Domestic Product for the Manufacturing Sector	\$405,643 million	1st	2024
Per Capita Personal Income	\$85,518	6th	2024
Vehicle Miles Traveled	316,612 million miles	1st	2023
Land in Farms	23.7 million acres	16th	2024
Climate	California	U.S. Rank	Period
Average Temperature	60.4 degrees Fahrenheit	12th	2025
Precipitation	23.1 inches	41st	2025

[Notes & Sources](#)

Selected rankings for California

#2
Rank | 33.60
Average retail price of electricity to
residential sector (cents/kilowatthour)
September 2025

#2
Rank | 324.3
Total carbon dioxide
emissions (million metric
tons)
2023

#4
Rank | 16,079
Total net electricity generation
(thousand kilowatthours)
September 2025

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Today In Energy articles related to California

- [What's in your gasoline? Understanding U.S. motor gasoline formulations](#)
- [Hydropower generation expected to recover despite snow drought in the West](#)
- [Many states slightly increased their taxes and fees on gasoline in the past year](#)
- [Natural gas use for electricity in California falls as solar generation rises](#)
- [Texas used twice as much energy as California and three times as much as Florida in 2023](#)

Other resources for California

- [California Energy Commission](#) 
- [California Public Utilities Commission \(CPUC\), Energy](#) 
- [California Department of Community Services and Development](#) 
- [California Department of Conservation, Geologic Energy Management Division](#) 
- [California Air Resources Board](#) 

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