California ISO

KEY STATISTICS

Peaks for October 2025

PEAK DEMAND[1]
31,911 MW
Oct. 1, 9:11 a.m.

Previous month
42,956 MW

Previous year:
41,477 MW

SOLAR PEAK[1]
19,980 MW
Oct. 1, 12:34 p.m.

Previous month:
21,290 MW

Previous year:
17,314 MW

WIND PEAK[1]
4,983 MW
Oct. 3, 10:58 p.m.

Previous month:
5,806 MW

Previous year:
6,141 MW

PEAK DEMAND SERVED BY RENEWABLES[1,2]
22,035 MW
Oct. 15, 11:16 a.m.

Previous month:
24,383 MW

Previous year:
19,382 MW

PEAK NET IMPORTS
9,114 MW
Oct. 20, 1:24 a.m.

Previous month:
9,823 MW

Previous year:
8,568 MW

PEAK NET EXPORTS
2,478 MW
Oct. 3, 3:51 p.m.

Previous month:
3,871 MW

Previous year:
2,800 MW

Historical statistics and records (as of 11/13/2025)

PEAK DEMAND
52,061 MW
Sept. 6, 2022 at 4:57 p.m.

Second highest:
50,270 MW, July 24, 2006

SOLAR PEAK
21,774 MW
July 30, 2025 at 11:56 a.m.

Previous record:
21,718 MW, July 24, 2025

WIND PEAK
6,465 MW
May 28, 2022 at 5:39 p.m.

Previous record:
6,265 MW, Mar. 4, 2022

PEAK NET IMPORTS
11,894 MW
Sept. 21, 2019 at 6:53 p.m.

STEEPEST 3-HOUR AVERAGE RAMP
24,378 MWh
Oct. 5, 2025 starting at 2:25 p.m.

Second highest:
23,400 MWh, Mar. 7, 2025

[1] Based on 1-minute averages, and includes dynamic transfers. Values are subject to revision as data is refined.
[2] Indicates the highest amount of renewables serving peak electricity demand on any given day.

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Western Energy Imbalance Market (WEIM) benefits: Q3 2025 Read report

BENEFITS
$411.98 million
Previous quarter:
$420.44 million

ISO AVOIDED CURTAILMENTS
33,227 MWh
Previous quarter:
112,712 MWh

ISO GHG SAVINGS[3]
14,221 $MTCO_2$
Previous quarter:
48,241 $MTCO_2$

WEIM benefits since 2014 Visit WEIM page

BENEFITS
$7.82 billion

ISO AVOIDED CURTAILMENTS
2,659,136 MWh

ISO GHG SAVINGS3
1,138,030 $MTCO_2$

Active participants: 22

Future participants: 3

Number of states: 11

Resources

Resource adequacy net qualifying capacity (NQC) = **61,962 MW**

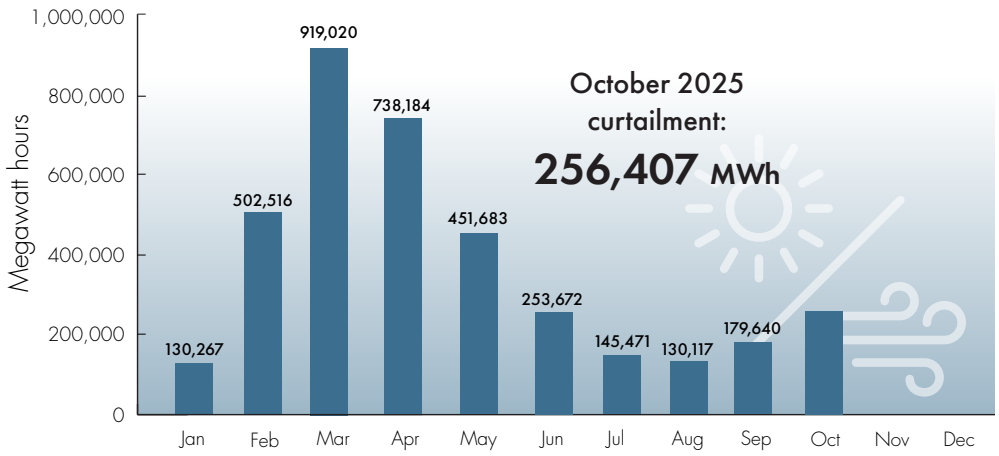
As of 10/31/25. Does not include current outages.

Installed battery capacity[4]
14,904.44 MW

As of 10/31/25; subject to change.

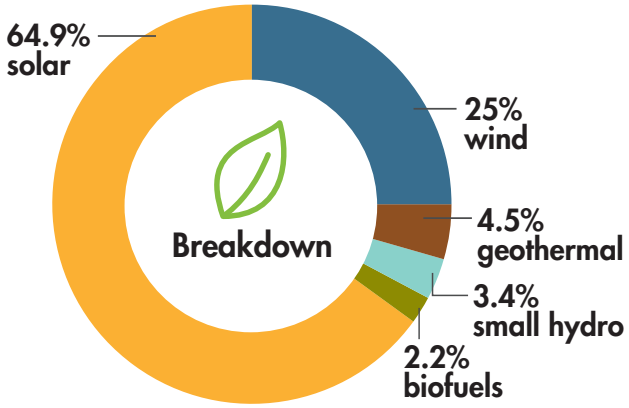
Wind and solar curtailment totals

Learn about curtailment and managing the evolving grid.



[3] The GHG emission reduction is associated with the avoided curtailment only.
[4] Includes storage resources that have achieved commercial operation date, and does not include pumped storage.

Installed renewable resources (as of 11/13/2025)



	Megawatts
Solar	21,732
Wind	8,355
Geothermal	1,508
Small hydro	1,146
Biofuels	732
TOTAL	**33,473**

See Today's Outlook

NOTE — The ISO is using updated methodology to generate data. Only fully commercial units are now counted; units that are in test mode or partially online are excluded. For that data, view the Master Control Area Generating Capability List in the Master Generating File on OASIS under "Atlas Reference."

Other facts

- 32 million consumers served
- Serves ~80% of California demand
- Serves ~24% of WECC demand within the ISO balancing authority
- 1 MW serves about 750-1,000 homes (1 MWh = 1 million watts used for one hour)
- 241.8 million megawatt-hours of load served (2024)
- 253.3 million megawatts of total electricity delivered (2024)
- 40,298 MW average market transactions per day (2024)
- 23 participating transmission owners
- ~26,000 circuit miles of transmission
- 332 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 40 transmission operators

See previous Key Statistics