California ISO

KEY STATISTICS

Peaks for June 2025

PEAK DEMAND[1]
36,511 MW
June 18, 6:55 p.m.

Previous month
36,413 MW

Previous year:
39,380 MW

SOLAR PEAK[1]
21,604 MW
June 13, 11:37 a.m.

Previous month:
21,587 MW

Previous year:
19,368 MW

WIND PEAK[1]
6,285 MW
June 19, 6:31 p.m.

Previous month:
5,879 MW

Previous year:
6,001 MW

PEAK DEMAND SERVED BY RENEWABLES[1,2]
24,870 MW
June 20, 8:30 a.m.

Previous month:
24,729 MW

Previous year:
17,847 MW

PEAK NET IMPORTS
9,189 MW
June 17, 1:07 a.m.

Previous month:
10,003 MW

Previous year:
8,590 MW

PEAK NET EXPORTS
7,380 MW
June 12, 3:30 p.m.

Previous month:
6,755 MW

Previous year:
7,013 MW

Historical statistics and records *(as of 07/09/2025)*

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

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

New record

SOLAR PEAK
21,604 MW
June 13, 2025 at 11:37 a.m.

Previous record:
21,587 MW, May 22, 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
23,400 MWh
Mar. 7, 2025 starting at 3:05 p.m.

Second highest:
23,228 MWh, Jan. 20, 2025

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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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KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q1 2025 Read report

BENEFITS
$369.36 million
Previous quarter:
$374.25 million

ISO AVOIDED CURTAILMENTS
76,015 MWh
Previous quarter:
30,462 MWh

ISO GHG SAVINGS[3]
32,534 $MTCO_2$
Previous quarter:
13,038 $MTCO_2$

WEIM benefits since 2014 Visit WEIM website

BENEFITS
$6.99 billion

ISO AVOIDED CURTAILMENTS
2,513,197 MWh

ISO GHG SAVINGS3
1,075,568 $MTCO_2$

Active participants: 22

Future participants: 3

Number of states: 11

Resources

Resource adequacy net qualifying capacity (NQC) = **62,627 MW**

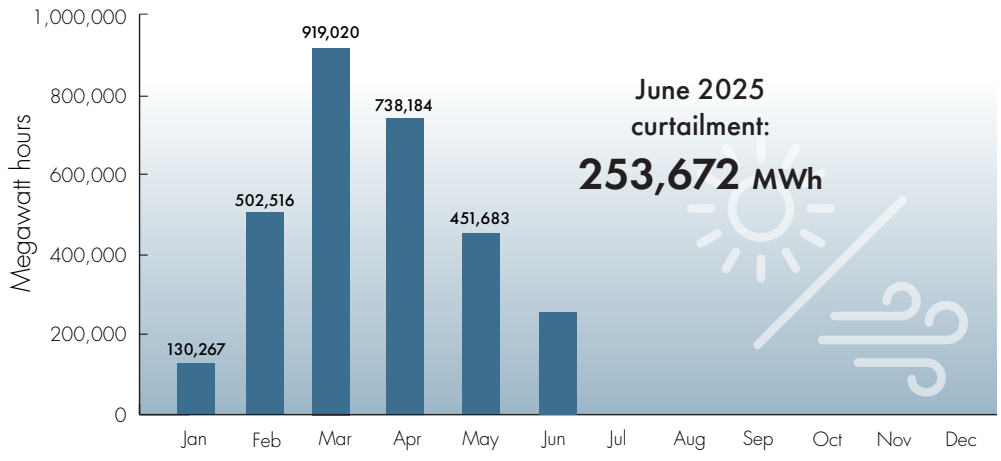
As of 06/30/25. Does not include current outages.

Installed battery capacity[4]
13,250 MW

As of 06/30/25; subject to change.

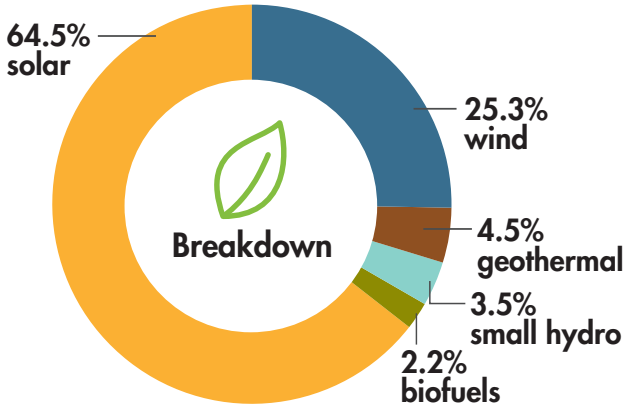
Wind and solar curtailment totals

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 07/09/2025)*



	Megawatts
Solar	21,240
Wind	8,373
Geothermal	1,505
Small hydro	1,146
Biofuels	730
TOTAL	**32,994**

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
- 330 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 40 transmission operators

See previous Key Statistics