California ISO

KEY STATISTICS

Peaks for May 2025

PEAK DEMAND[1]

36,413 MW

May 30, 6:04 p.m.

Previous month
28,774 MW

Previous year:
30,585 MW

SOLAR PEAK[1]

21,587 MW

May 22, 12:33 p.m.

Previous month:
21,062 MW

Previous year:
18,933 MW

WIND PEAK[1]

5,879 MW

May 12, 4:42 p.m.

Previous month:
6,313 MW

Previous year:
6,322 MW

PEAK DEMAND SERVED BY RENEWABLES[1,2]

24,729 MW

May 12, 11:22 a.m.

Previous month:
23,830 MW

Previous year:
19,786 MW

PEAK NET IMPORTS

10,003 MW

May 20, 5:38 a.m.

Previous month:
8,498 MW

Previous year:
9,081 MW

PEAK NET EXPORTS

6,755 MW

May 26, 2:41 p.m.

Previous month:
5,676 MW

Previous year:
6,566 MW

Historical statistics and records *(as of 06/09/2025)*

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

21,587 MW

May 22, 2025 at 12:33 p.m.

Previous record:
21,528 MW, May 21, 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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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) = **55,712 MW**

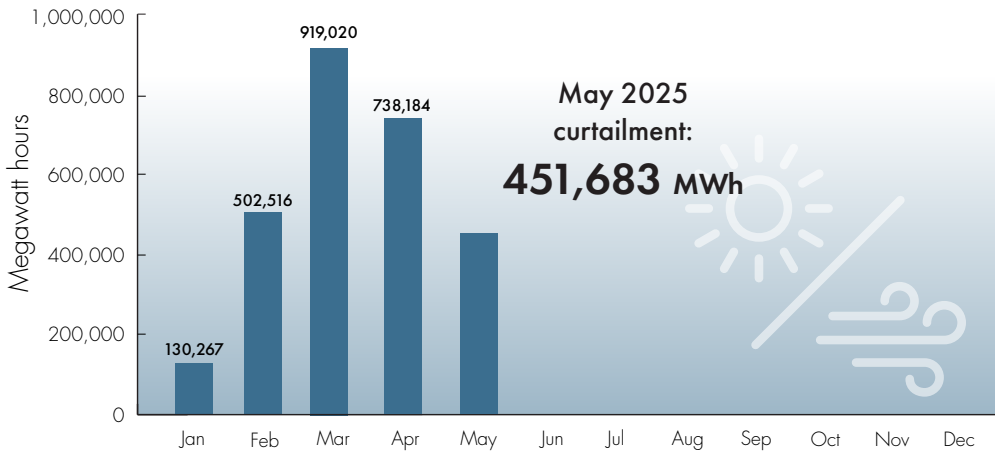
As of 05/31/25. Does not include current outages.

Installed battery capacity[4]
12,896 MW

As of 05/31/25; subject to change.

Wind and solar curtailment totals

Learn about curtailment and managing the evolving grid.

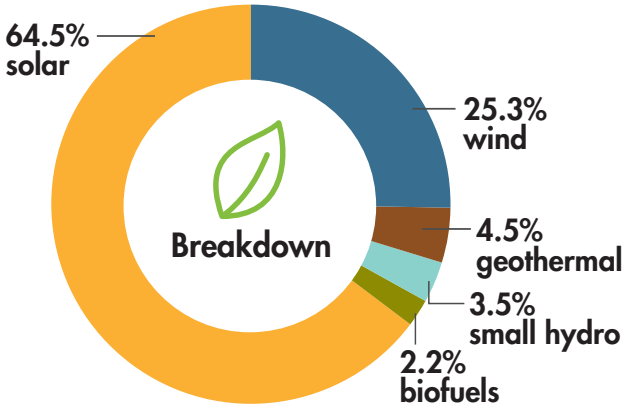


[3] The GHG emission reduction is associated with the avoided curtailment only.
[4] Includes storage resources that have achieved commercial operation date, and does not include pumped storage.

California ISO

KEY STATISTICS

Installed renewable resources *(as of 06/09/2025)*



	Megawatts
Solar	21,340
Wind	8,373
Geothermal	1,505
Small hydro	1,146
Biofuels	725
TOTAL	**33,089**

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)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 325 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 40 transmission operators

See previous Key Statistics