California ISO

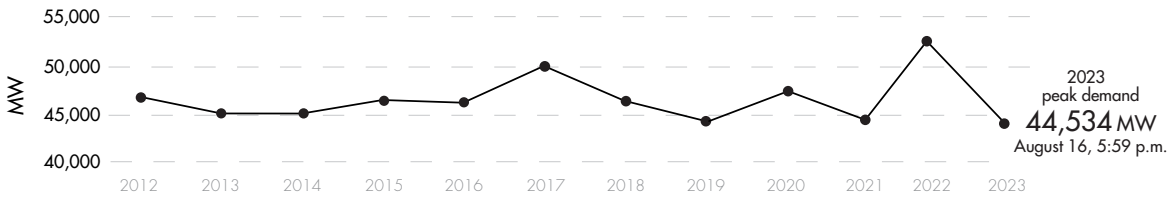
KEY STATISTICS

Peaks for June 2024

Peak demand[1]	Solar peak[1]	Wind peak[1]	Peak demand served by renewables[1,2]	Peak net imports
39,380 MW	**19,368 MW**	**6,001 MW**	**17,847 MW**	**8,590 MW**
June 24, 6:08 p.m.	June 20, 12:07 p.m.	June 16, 4:11 p.m.	June 26, 6:12 p.m.	June 4, 12:13 a.m.
Previous month: 30,585 MW	**Previous month:** 18,933 MW	**Previous month:** 6,322 MW	**Previous month:** 19,786 MW	**Previous month:** 9,081 MW

Annual peak demand

[Peak load history]



Historical statistics and records *(as of 07/09/2024)*

Solar peak NEW!
19,368 MW
June 20, 2024 at 12:07 p.m.
Previous record:
18,998 MW, June 12, 2024

Wind peak
6,465 MW
May 28, 2022 at 5:39 p.m.
Previous record:
6,265 MW, March 4, 2022

Peak net imports
11,894 MW
Sept. 21, 2019 at 6:53 p.m.

Peak demand
52,061 MW
Sept. 6, 2022 at 4:57 p.m.
Second highest:
50,270 MW, July 24, 2006

Steepest 3-hour average ramp
21,505 MWh
Feb. 10, 2024 starting at 3 p.m.
Second highest:
21,153 MWh, Jan. 7, 2024

[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.

California ISO

KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q1 2024 *Read report*

Benefits
$436.30 million
Previous quarter:
$391.82 million

ISO avoided curtailments
60,285 MWh
Previous quarter:
49,880 MWh

ISO GHG savings[3]
25,802 $MTCO_2$
Previous quarter:
21,349 $MTCO_2$

WEIM benefits since 2014 *Visit WEIM website*

Benefits
$5.49 billion

ISO avoided curtailments
2,223,015 MWh

ISO GHG savings[3]
951,370 $MTCO_2$

Active participants
22

Future participants
1

Number of states
11

Resources

Resource adequacy net qualifying capacity (NQC) = 52,633 MW

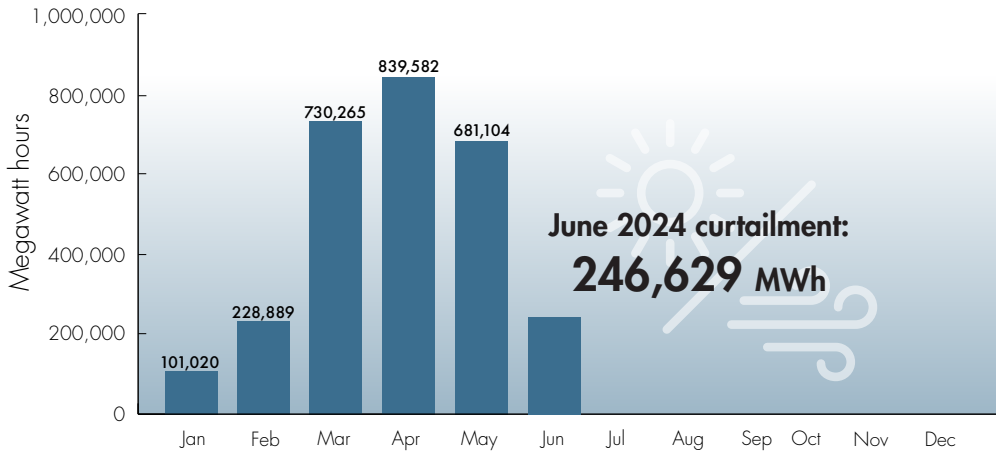
As of 07/01/24. Does not include current outages.

Installed battery capacity[4]
9,080 MW

As of 07/10/24; subject to change.

Wind and solar curtailment totals

Learn about curtailment and managing the evolving grid.

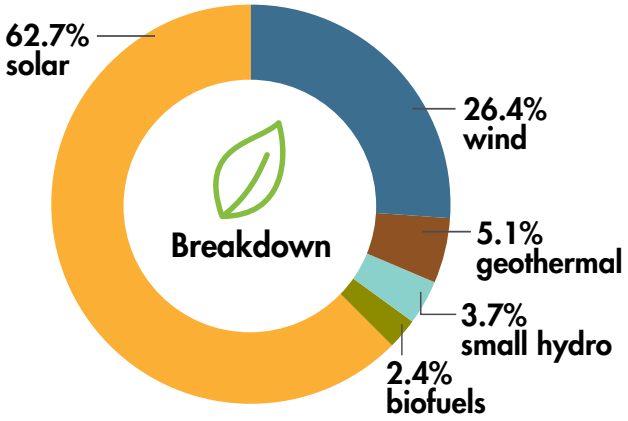


[3] The GHG emission reduction is associated with the avoided curtailment only.
[4] Includes storage resources that have achieved commercial operation date, and does not include pumped storage.

California ISO

KEY STATISTICS

Installed renewable resources *(as of 07/09/2024)*



	Megawatts
Solar	19,628
Wind	8,352
Geothermal	1,610
Small hydro	1,180
Biofuels	779
TOTAL	**31,549**

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
- Serve ~80% of California demand
- Serve ~33% 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)
- 237.5 million megawatt-hours of load served (2023)
- 245.8 million megawatts of total electricity delivered (2023)
- 37,751MW average market transactions per day (2023)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 319 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See the 2023 Annual Statistics

See previous Key Statistics