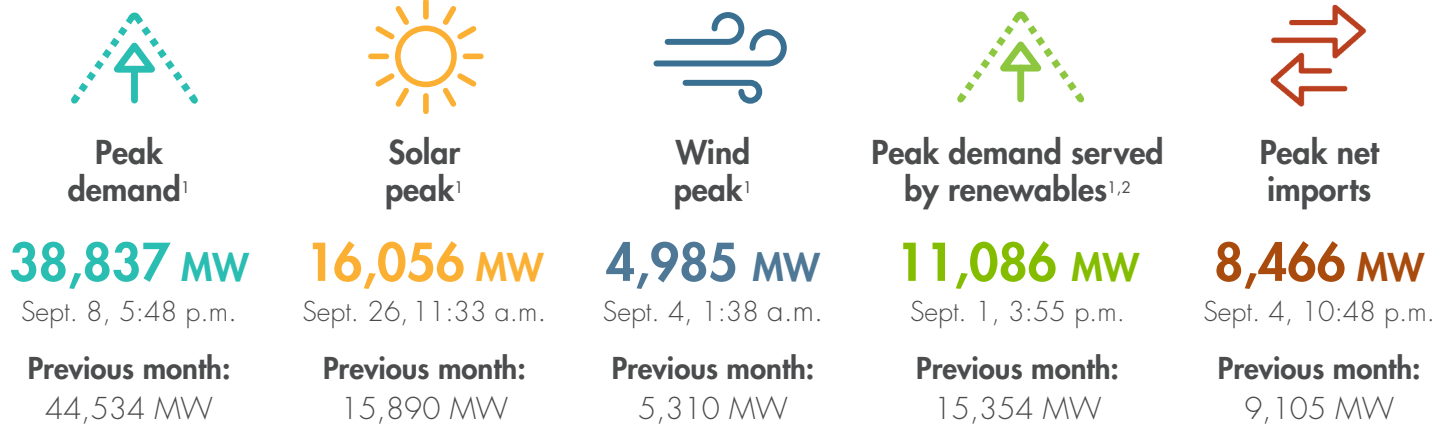

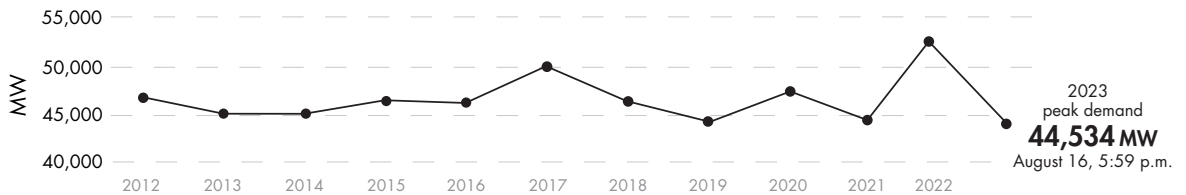



Peaks for September 2023






Annual peak demand
[Peak load history](#)





Historical statistics and records (as of 10/02/2023)


 **Solar peak NEW!**
16,056 MW
Sept. 26, 2023 at 11:32 a.m.
Previous record:
16,044 MW, Sept. 6, 2023

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

 **Peak percentage of renewables compared to demand**
103.5%
May 8, 2022 at 3:39 p.m.
Previous record:
99.87%, April 30, 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 NEW!**
20,935 MWh
Sept. 24, 2023 starting at 2:30 p.m.
Second highest:
20,326 MWh, Feb. 15, 2023

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.

KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q2 2023 [Read report](#)

Benefits
\$379.91 million

Previous quarter:
\$418.82 million

ISO avoided curtailments
148,938 MWh

Previous quarter:
53,002 MWh

ISO GHG savings³
63,745 MTCO₂

Previous quarter:
22,685 MTCO₂

WEIM benefits since 2014 [Visit WEIM website](#)

Benefits
\$4.2 billion

Active participants
22

ISO avoided curtailments
2,052,737 MWh

Number of states
11

ISO GHG savings³
878,491 MTCO₂

Resources



Resource adequacy net qualifying capacity (NQC) = **49,997 MW**

As of 9/30/23. Does not include current outages.

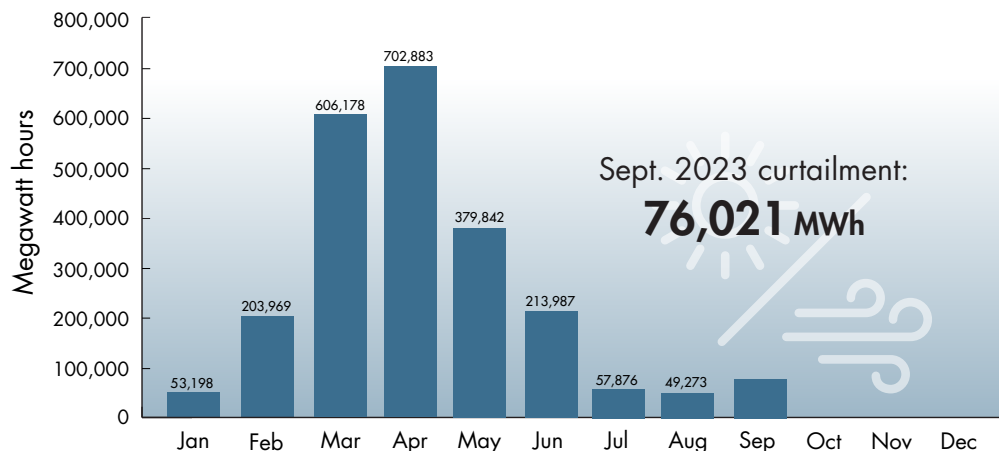


Installed battery capacity⁴
5,888 MW

As of 9/30/23; subject to change.

Wind and solar curtailment totals

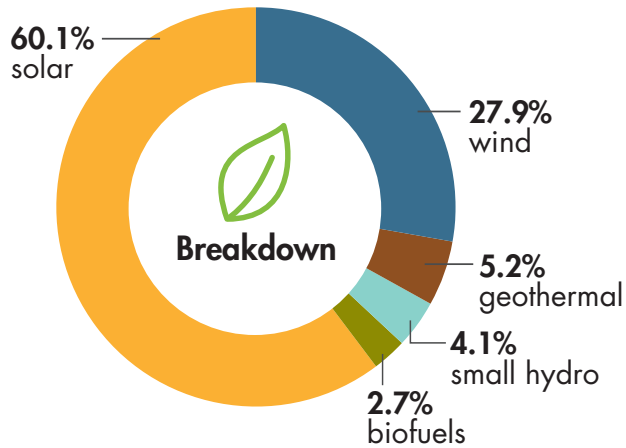
For more on oversupply, [visit here](#).








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 9/30/2023)*



	Megawatts
 Solar	17,277
 Wind	8,033
 Geothermal	1,494
 Small hydro	1,179
 Biofuels	778
TOTAL	28,761

[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)
- 239.1 million megawatt-hours of load served (2022)
- 243.1 million megawatts of total electricity delivered (2022)
- 36,689 average market transactions per day (2022)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 298 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

[See 2022 Annual Statistics](#)

[See previous Key Statistics](#)