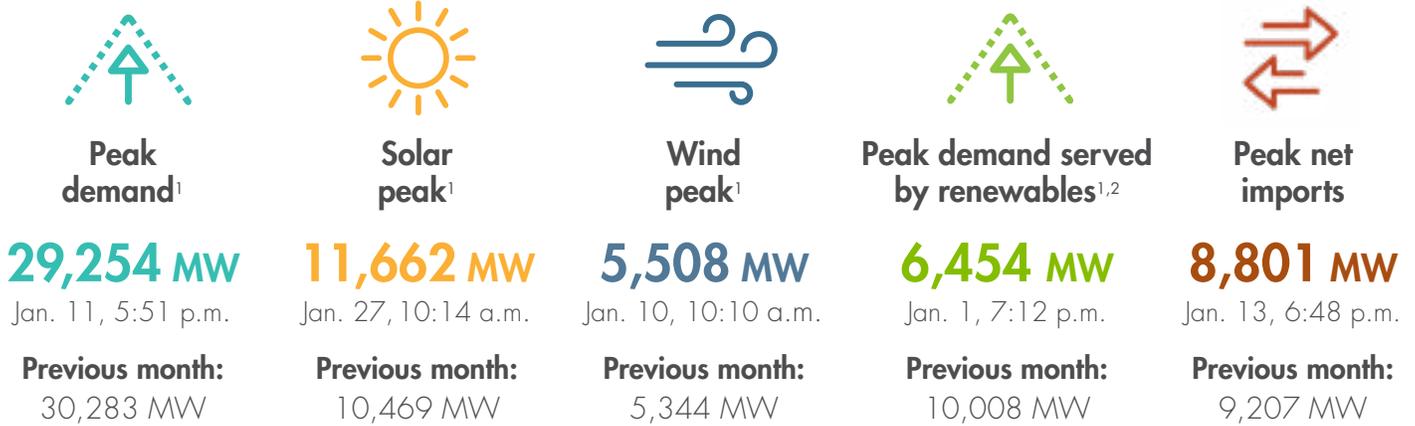
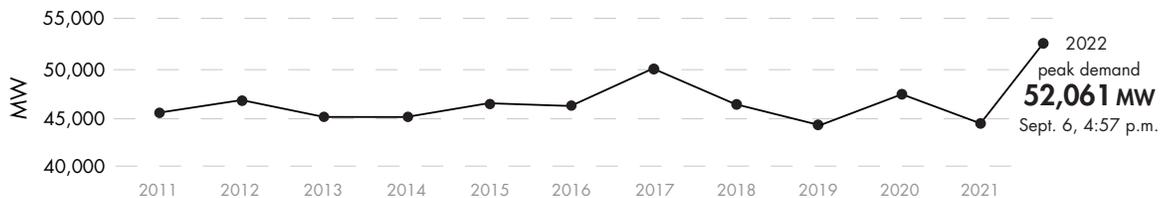


Peaks for January 2023



[Peak load history](#)



Historical statistics and records (as of 1/31/2023)

 **Solar peak**
14,352 MW
 June 7, 2022 at 12:16 p.m.
Previous record:
 14,136 MW, May 16, 2022

 **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 at 4:57 p.m.
Second highest:
 50,270 MW, July 24, 2006

 **Steepest ramp over 3-hour period**
19,699* MW
 Jan. 23, 2023 starting at 2:45 p.m.
Second highest:
 19,237* MW, Nov. 13, 2022

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.

* Megawatt values updated in April 2023.

KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q4 2022 [Read report](#)

Benefits

\$485.3 million

Previous quarter:
\$526.5 million

ISO avoided curtailments

25,609 MWh

Previous quarter:
42,468 MWh

ISO GHG savings³

10,960 MTCO₂

Previous quarter:
18,176 MTCO₂

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

Benefits

\$3.4 billion

Active participants
19

ISO avoided curtailments

1,850,797 MWh

Future participants
3

ISO GHG savings³

792,061 MTCO₂

Number of states
10

Resources



Resource adequacy net qualifying capacity (NQC) = **44,431 MW**

As of 1/31/23. Does not include current outages.

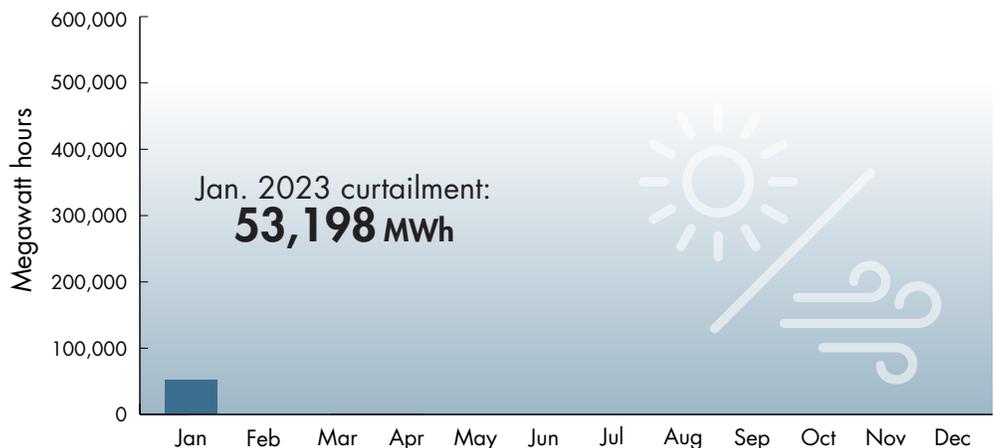


Installed battery capacity⁴ = **4,515 MW**

As of 1/31/23; subject to change.

Wind and solar curtailment totals

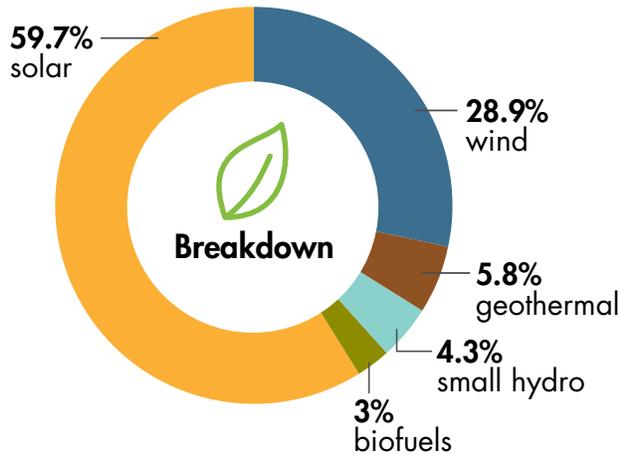
For more on oversupply, [visit here](#).



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 1/31/2023)*



	Megawatts
 Solar	16,417
 Wind	7,950
 Geothermal	1,599
 Small hydro	1,196
 Biofuels	801
TOTAL	27,510

[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)
- 224.8 million megawatt-hours of load served (2020)
- 70,037 average market transactions per day (2021)
- 20 participating transmission owners
- ~26,000 circuit miles of transmission
- 272 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](#)