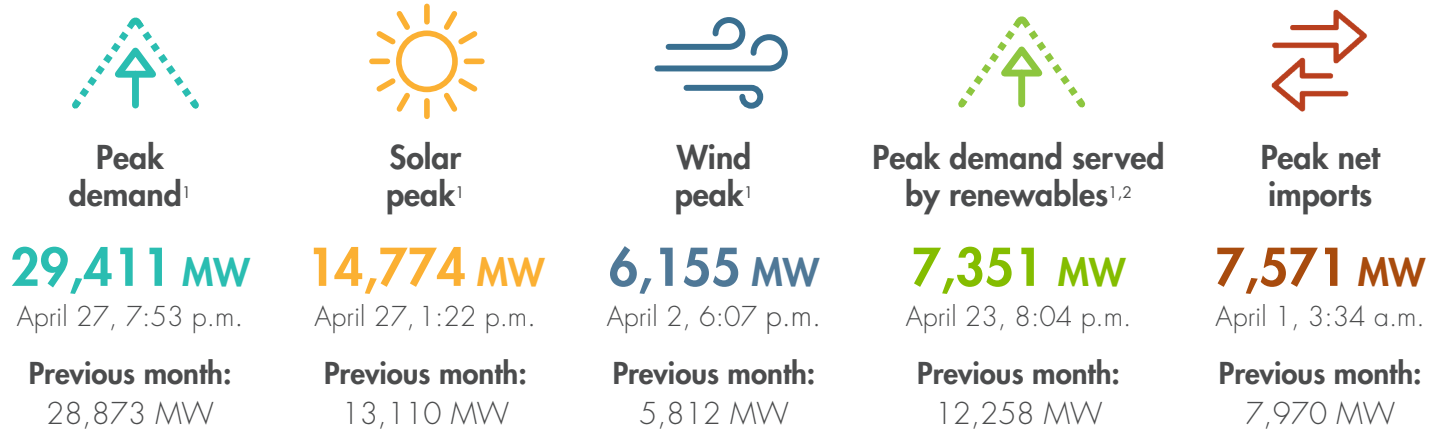
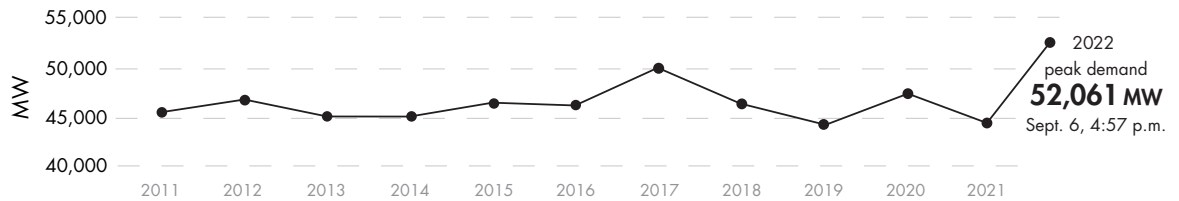



Peaks for April 2023





[Peak load history](#)





Historical statistics and records (as of 5/12/2023)


 **Solar peak NEW!**
14,812 MW
May 12, 2023 at 2:28 p.m.
Previous record:
14,774 MW, April 27, 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**
20,326 MW
Feb. 15, 2023 starting at 3:00 p.m.
Second highest:
19,699 MW, Jan. 23, 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: 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

ISO avoided curtailments

1,850,797 MWh

ISO GHG savings³

792,061 MTCO₂

Active participants

22

Number of states

11

Resources



Resource adequacy net qualifying capacity (NQC) = **47,164 MW**

As of 4/30/23. Does not include current outages.

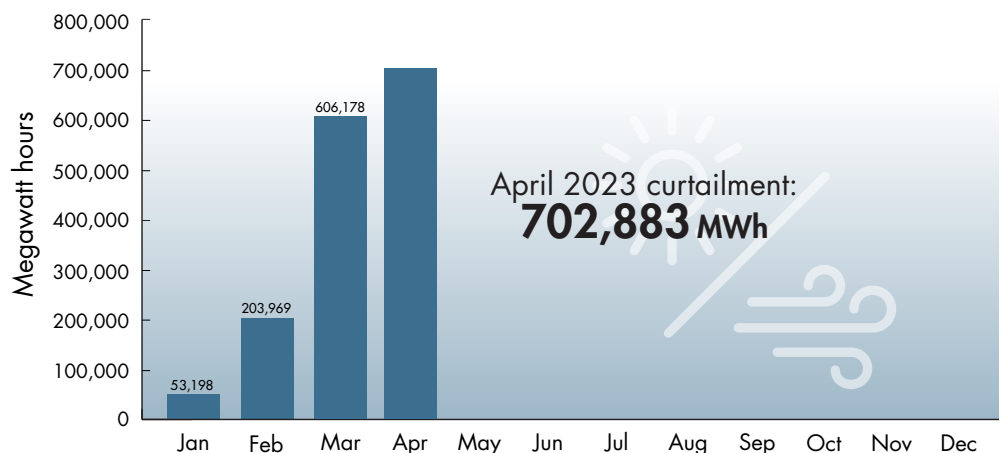


Installed battery capacity⁴ = **4,515 MW**

As of 4/30/23; subject to change.

Wind and solar curtailment totals

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

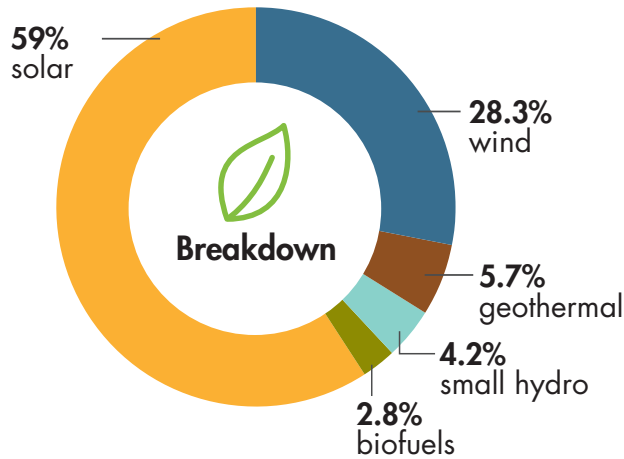


³ The GHG emission reduction is associated with the avoided curtailment only.

⁴ Includes storage resources that have achieved commercial operation date, and does not include pumped storage.



Installed renewable resources *(as of 4/30/2023)*



	Megawatts
Solar	16,593
Wind	7,950
Geothermal	1,599
Small hydro	1,194
Biofuels	801
TOTAL	28,137

[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)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 286 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](#)