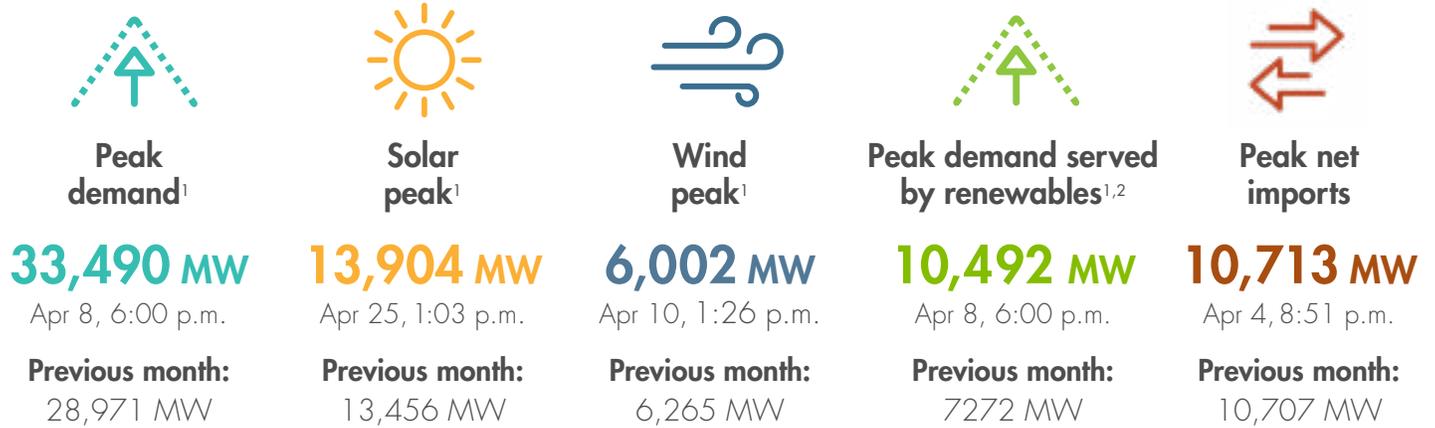
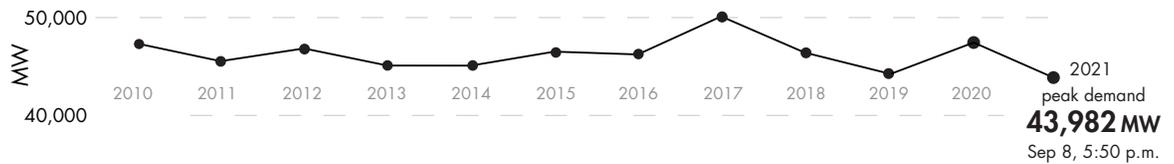


Peaks for April 2022



[Peak load history](#)



Historical statistics and records (as of 04/30/2022)

 **Solar peak**
13,904 MW NEW!
 Apr 25, 2022 at 1:03 p.m.
Previous record:
 13,456 MW, Mar 24, 2022

 **Wind peak**
6,265 MW
 Mar 4, 2022 at 2:50 p.m.
Previous record:
 6,178 MW, Feb 15, 2022

 **Peak percentage of renewables compared to demand**
99.87% NEW!
 Apr 30, 2022 at 2:50 p.m.
Previous record:
 97.58%, Apr 3, 2022

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

 **Peak demand**
50,270 MW
 Jul 24, 2006 at 2:44 p.m.
Second highest:
 50,116 MW, Sep 1, 2017

 **Steepest ramp over 3-hour period**
17,660 MW
 Mar 11, 2022 starting at 2:59 p.m.
Second highest:
 17,259 MW, Feb 28, 2021

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: Q1 2022 [Read report](#)

Benefits
\$172 million
 Previous quarter:
 \$204 million

ISO avoided curtailments
94,168 MWh
 Previous quarter:
 38,044 MWh

ISO GHG savings³
40,304 MTCO₂
 Previous quarter:
 16,283 MTCO₂

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

Benefits
\$2.1 billion

ISO avoided curtailments
1,570,200 MWh

ISO GHG savings³
712,270 MTCO₂

Active participants
19

Future participants
3

Number of states
10

Resources



Resource adequacy net qualifying capacity (NQC) = **46,322 MW**

As of 05/01/22. Does not include current outages.

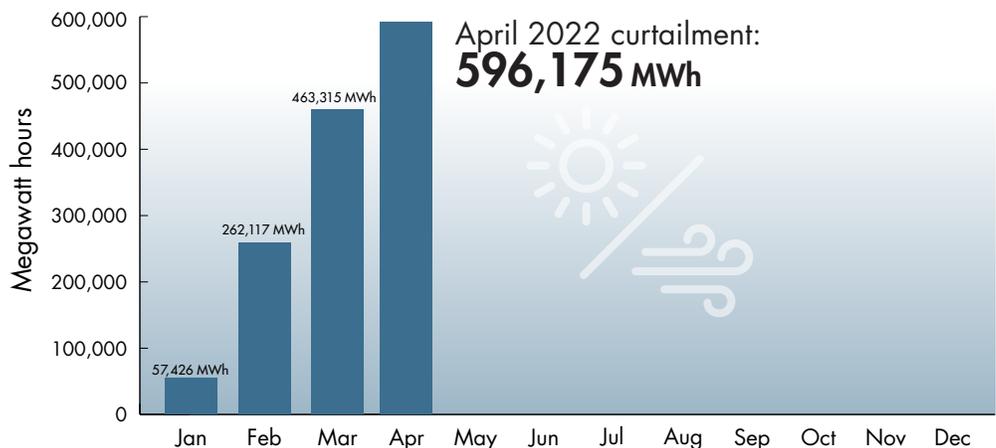


Installed battery capacity⁴ = **3,059 MW**

As of 04/30/22.

Wind and solar curtailment totals

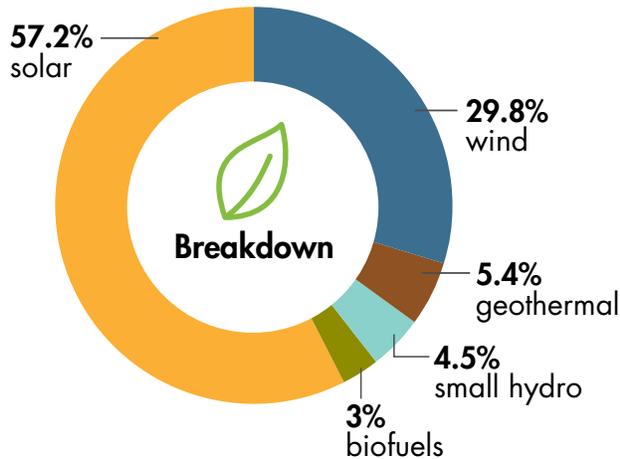
For more on oversupply, [visit here](#).



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

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

Installed renewable resources *(as of 05/03/2022)*



	Megawatts
 Solar	15,148
 Wind	7,892
 Geothermal	1,425
 Small hydro	1,185
 Biofuels	799
TOTAL	26,449

[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
- 260 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

[See previous Key Statistics](#)