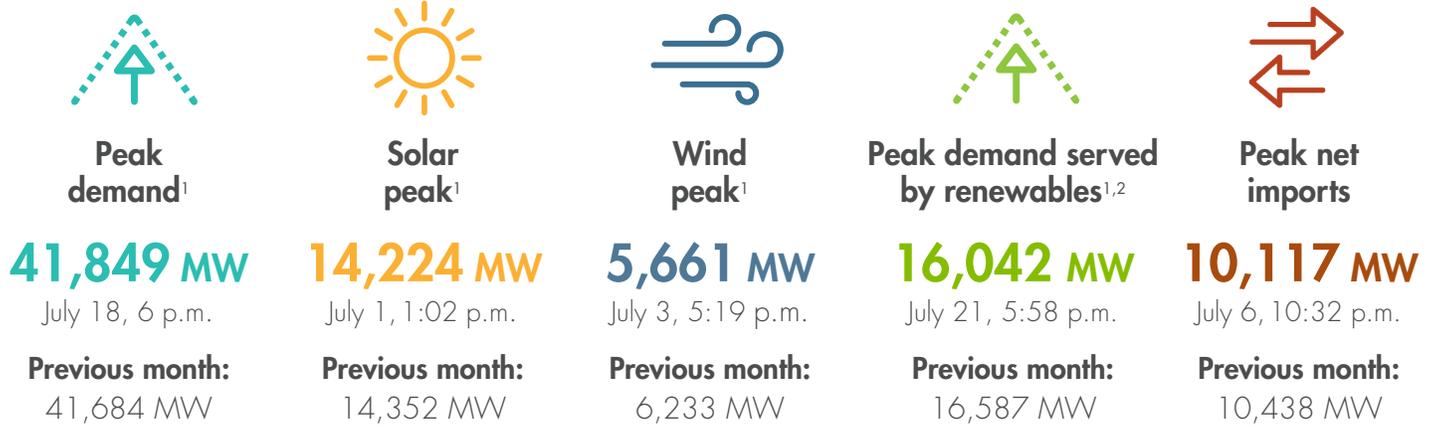
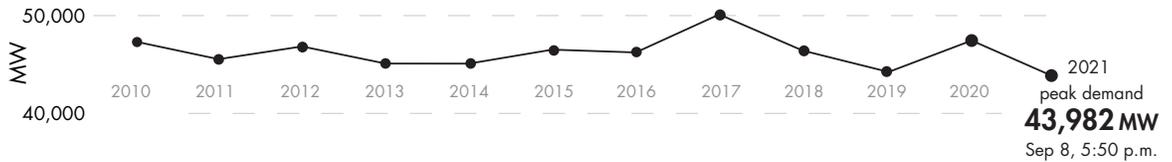


Peaks for July 2022



[Peak load history](#)



Historical statistics and records (as of 08/01/2022)


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, Mar 4, 2022


Peak percentage of renewables compared to demand
103.5%
 May 8, 2022 at 3:39 p.m.
Previous record:
 99.87%, Apr 30, 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:
 17,298 MW, Apr 24, 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.

KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q2 2022 [Read report](#)

Benefits
\$287.44 million
 Previous quarter:
 \$172 million

ISO avoided curtailments
118,352 MWh
 Previous quarter:
 94,168 MWh

ISO GHG savings³
50,655 MTCO₂
 Previous quarter:
 40,304 MTCO₂

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

Benefits
\$2.39 billion

ISO avoided curtailments
1,782,720 MWh

ISO GHG savings³
762,925 MTCO₂

Active participants
19

Future participants
3

Number of states
10

Resources



Resource adequacy net qualifying capacity (NQC) = **51,363 MW**

As of 08/01/22. Does not include current outages.

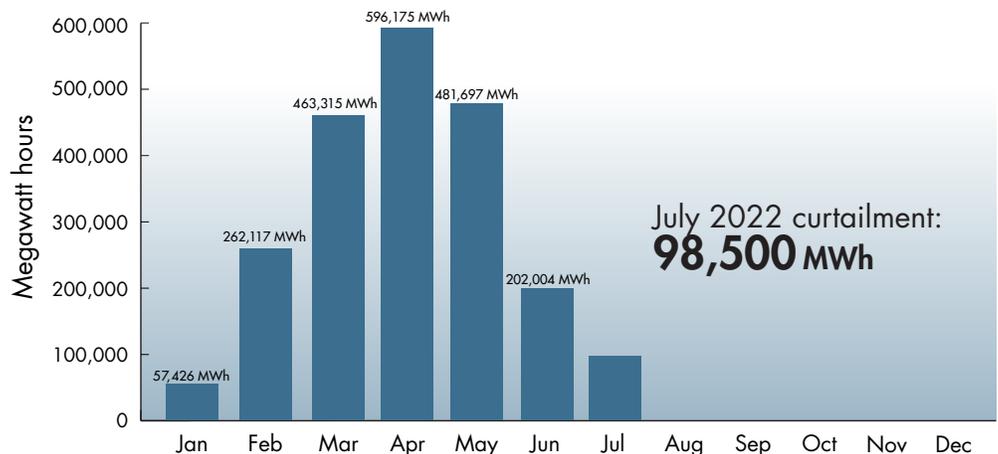


Installed battery capacity⁴ = **3,334 MW**

As of 8/01/22; subject to change.

Wind and solar curtailment totals

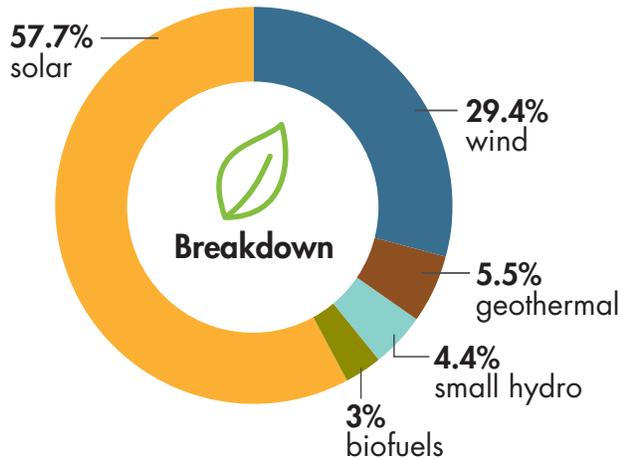
For more on oversupply, [visit here](#).



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 08/01/2022)*



	Megawatts
 Solar	15,454
 Wind	7,890
 Geothermal	1,465
 Small hydro	1,182
 Biofuels	801
TOTAL	26,792

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

[See previous Key Statistics](#)