




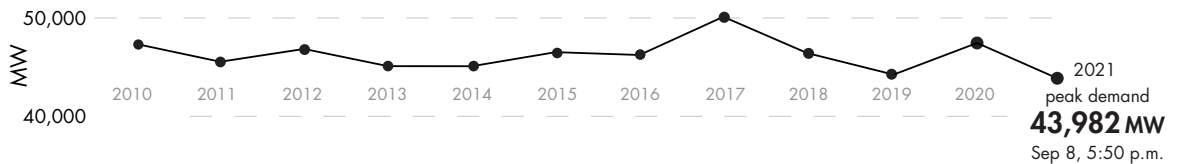








Peaks for May 2022

 Peak demand ¹	 Solar peak ¹	 Wind peak ¹	 Peak demand served by renewables ^{1,2}	 Peak net imports
34,384 MW May 25, 6:32 p.m.	14,136 MW May 16, 11:57 a.m.	6,465 MW May 28, 5:39 p.m.	14,993 MW May 26, 5:28 p.m.	9,883 MW May 29, 9:38 p.m.
Previous month: 33,490 MW	Previous month: 13,904 MW	Previous month: 6,002 MW	Previous month: 10,492 MW	Previous month: 10,713 MW



[Peak load history](#)

Historical statistics and records (as of 05/31/2022)

 Solar peak 14,136 MW NEW! May 16, 2022 at 11:57 a.m. Previous record: 13,904 MW, Apr 25, 2022	 Wind peak 6,465 MW NEW! 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% NEW! 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: 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) = **47,115 MW**

As of 05/31/22. Does not include current outages.

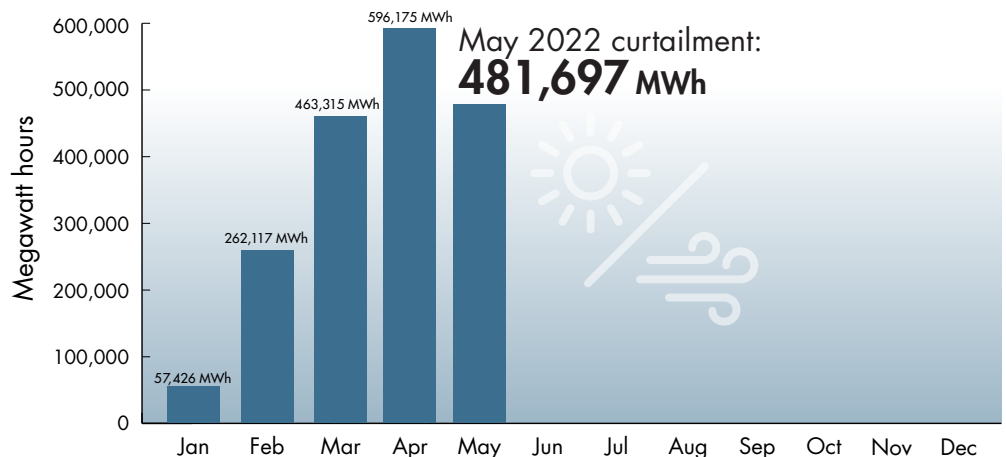


Installed battery capacity⁴ = **3,059 MW**

As of 05/31/22.

Wind and solar curtailment totals

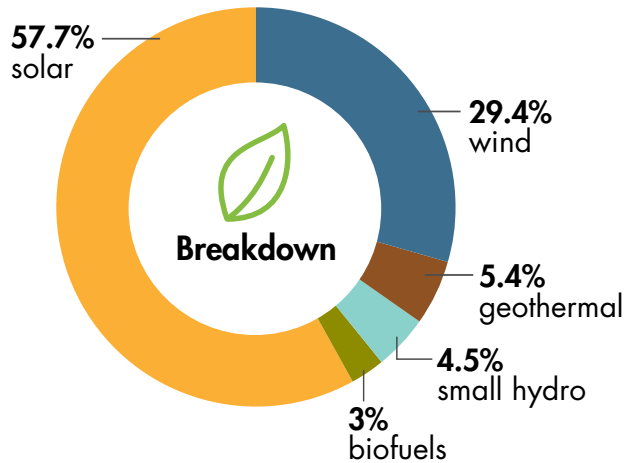
For more on oversupply, [visit here](#).








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

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

Installed renewable resources *(as of 06/02/2022)*



	Megawatts
 Solar	15,454
 Wind	7,890
 Geothermal	1,425
 Small hydro	1,184
 Biofuels	799
TOTAL	26,752

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

[See previous Key Statistics](#)