

KFY STATISTICS

Peaks for February 2024



demand¹

28,592 MW

Feb. 7, 6:26 p.m.

Previous month: 29,012 MW



Solar peak1

15,066 MW

Feb. 12, 10:15 a.m.

Previous month: 14.096 MW



Wind peak1

5,181 MW Feb. 26, 8:29 p.m.

Previous month: 5.108 MW



Peak demand served by renewables^{1,2}

6,165 MW

Feb. 26, 5:59 p.m.

Previous month: 14,275 MW



Peak net imports

7.994 MW

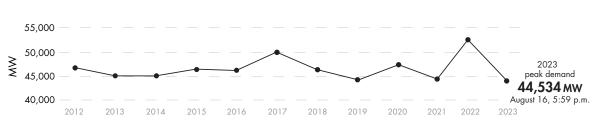
Feb. 24, 10:32 p.m.

Previous month: 7,027 MW





Peak load history



Historical statistics and records (as of 03/7/2024)



Solar peak 16,056 MW

Sept. 26, 2023 at 11:32 a.m.

Previous record:

16,044 MW, Sept. 6, 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

net imports 11,894 MW

Sept. 21, 2019 at 6:53 p.m.

Peak **52,061** мw

Sept. 6, 2022 at 4:57 p.m.

Second highest:

50,270 MW, July 24, 2006



Feb 10, 2024 starting at 3 p.m.

Second highest:

21,153 MWh, Jan. 7, 2024

Based on 1-minute averages, and includes dynamic transfers. Values are subject to revision as data is refined.

Indicates the highest amount of renewables serving peak electricity demand on any given day.



KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q4 2023 Read report

Benefits

\$391.82 million

Previous quarter:

\$462.05 million

ISO avoided curtailments

49,880 MWh

Previous quarter:

60,133 MWh

ISO GHG savings³

21,349 MTCO,

Previous quarter:

25,728 MTCO₂

WEIM benefits since 2014 Visit WEIM website

Benefits

\$5.05 billion

Active participants

22

ISO avoided curtailments

2,162,730 MWh

Future participants

1

ISO GHG savings³

925,568 MTCO,

Number of states

11

Resources



Resource adequacy net qualifying capacity (NQC) = 48,464 MW

As of 03/01/24. Does not include current outages.



Installed battery capacity⁴ **7,261 MW**

As of 03/07/24; subject to change.

Wind and solar curtailment totals

For more on oversupply, visit here.



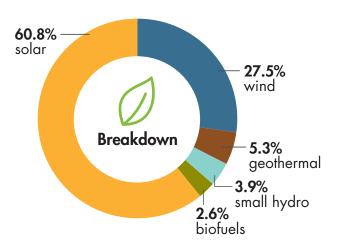
³ The GHG emission reduction is associated with the avoided curtailment only.

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



KEY STATISTICS

Installed renewable resources (as of 03/01/2024)



	Megawatts
☆ Solar	18,517
⇒ Wind	8,357
# Geothermal	1,610
Small hydro	1,180
♠ Biofuels	778
TOTAL	30,442

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)
- 239.1 million megawatt-hours of load served (2022)
- 243.1 million megawatts of total electricity delivered (2022)
- 36,689 average market transactions per day (2022)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 310 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See the 2023 Annual Statistics

See previous Key Statistics