

# **KEY STATISTICS**

#### Peaks for August 2024



demand<sup>1</sup>

43,461 MW

Aug. 6, 5:58 p.m.

Previous month: 45,426 MW



Solar peak

19.650 MW

Aug. 23, 12:10 p.m.

Previous month: 19,279 MW



Wind peak1

5.914 MW

Aug. 8, 8:07 p.m.

**Previous month:** 5,452 MW



Peak demand served by renewables<sup>1,2</sup>

20.612 MW

Aug. 12 5:03 p.m.

Previous month: 18,031 MW



Peak net imports

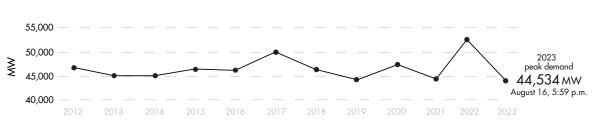
8,078 MW

Aug. 24, 1:20 a.m.

Previous month: 9.566 MW







#### Historical statistics and records (as of 09/06/2024)



Aug. 23, 2024 at 12:10 p.m.

Previous record:

19,368 MW, June 20, 2024

Wind peak 6,465 MW

May 28, 2022 at 5:39 p.m.

Previous record:

6,265 MW, March 4, 2022



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 21,505 MWh

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: Q2 2024 Read report

**Benefits** 

\$365.04 million

Previous quarter:

\$436.30 million

ISO avoided curtailments

103,656 MWh

Previous quarter:

60,285 MWh

ISO GHG savings<sup>3</sup>

**55,921** MTCO,

Previous quarter:

25,802 MTCO<sub>2</sub>

WEIM benefits since 2014 Visit WEIM website

**Benefits** 

\$5.85 billion

ISO avoided curtailments

2,353,671 MWh

ISO GHG savings<sup>3</sup>

1,007,291 MTCO,

**Active participants** 

22

**Future participants** 

2

Number of states

11

#### Resources



Resource adequacy net qualifying capacity (NQC) = **52,981 MW** 

As of 09/06/24. Does not include current outages.

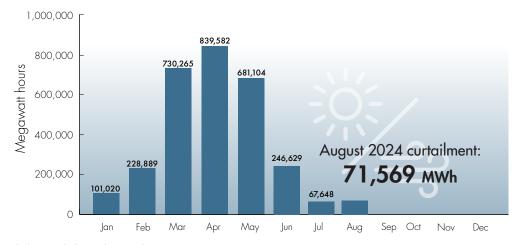


Installed battery capacity<sup>4</sup> **9,309 MW** 

As of 09/06/24; subject to change.

# Wind and solar curtailment totals

Learn about curtailment and managing the evolving grid.



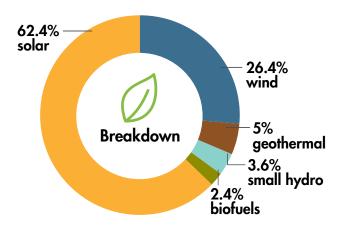
<sup>&</sup>lt;sup>3</sup> The GHG emission reduction is associated with the avoided curtailment only.

<sup>&</sup>lt;sup>4</sup> Includes storage resources that have achieved commercial operation date, and does not include pumped storage



# KEY STATISTICS

### Installed renewable resources (as of 09/12/2024)



|               | Megawatts |
|---------------|-----------|
| ☆ Solar       | 19,758    |
| ⇒ Wind        | 8,356     |
| # Geothermal  | 1,610     |
| ≋ Small hydro | 1,141     |
| ♠ Biofuels    | 778       |
| TOTAL         | 31,643    |

#### 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 served
- 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)
- 237.5 million megawatt-hours of load served (2023)
- 245.8 million megawatts of total electricity delivered (2023)
- 37,751MW average market transactions per day (2023)
- 23 participating transmission owners
- ~26,000 circuit miles of transmission
- 326 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