

## Peaks for January 2025

 **PEAK DEMAND<sup>1</sup>**  
**29,917 MW**


Jan. 31, 9:25 a.m.

**Previous month:**  
30,581 MW**Previous year:**  
29,012 MW **SOLAR PEAK<sup>1</sup>**  
**16,429 MW**

Jan. 21, 10:25 a.m.

**Previous month:**  
14,312 MW**Previous year:**  
14,096 MW **WIND PEAK<sup>1</sup>**  
**5,475 MW**

Jan. 17, 12:15 a.m.

**Previous month:**  
5,292 MW**Previous year:**  
5,108 MW **PEAK DEMAND SERVED  
BY RENEWABLES<sup>1,2</sup>**  
**17,748 MW**

Jan. 17, 8:47 a.m.

**Previous month:**  
16,710 MW**Previous year:**  
14,275 MW **PEAK NET IMPORTS**  
**9,863 MW**

Jan. 11, 5:27 a.m.

**Previous month:**  
9,260 MW**Previous year:**  
7,028 MW **PEAK NET EXPORTS**  
**2,321 MW**

Jan. 19, 10:56 a.m.

**Previous month:**  
456 MW**Previous year:**  
3,800 MWHistorical statistics and records *(as of 2/11/2025)* **PEAK DEMAND****52,061 MW**

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

**Second highest:**  
50,270 MW, July 24, 2006 **SOLAR PEAK****19,650 MW**

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, Mar. 4, 2022 **PEAK NET IMPORTS****11,894 MW**

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

 **STEEPEST 3-HOUR AVERAGE RAMP****23,228 MWh**

Jan. 20, 2025 starting at 2:30 p.m.

**Second highest:**  
22,687 MWh, Jan. 12, 2025<sup>1</sup> Based on 1-minute averages, and includes dynamic transfers. Values are subject to revision as data is refined.<sup>2</sup> Indicates the highest amount of renewables serving peak electricity demand on any given day.



## KEY STATISTICS

### Western Energy Imbalance Market (WEIM) benefits: Q4 2024 [Read report](#)

#### BENEFITS

**\$374.25 million**

**Previous quarter:**  
\$394.88 million

#### ISO AVOIDED CURTAILMENTS

**30,462 MWh**

**Previous quarter:**  
53,049 MWh

#### ISO GHG SAVINGS<sup>3</sup>

**13,038 MTCO<sub>2</sub>**

**Previous quarter:**  
22,705 MTCO<sub>2</sub>

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

#### BENEFITS

**\$6.62 billion**

#### ISO AVOIDED CURTAILMENTS

**2,437,182 MWh**

#### ISO GHG SAVINGS<sup>3</sup>

**1,043,034 MTCO<sub>2</sub>**

**Active participants: 22**

**Future participants: 2**

**Number of states: 11**

## Resources



Resource adequacy net qualifying capacity (NQC) = **50,852 MW**

*As of 1/31/25. Does not include current outages.*



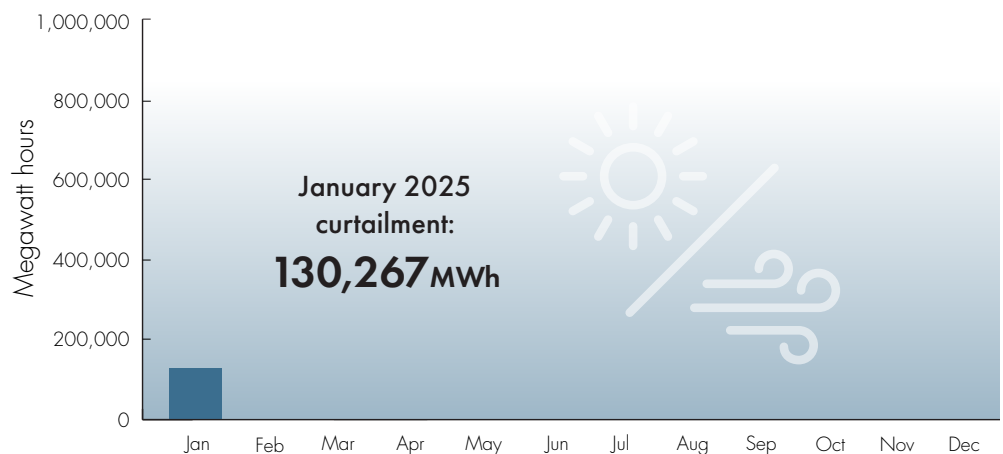
Installed battery capacity<sup>4</sup>

**11,454 MW**

*As of 1/31/25; subject to change.*

## Wind and solar curtailment totals

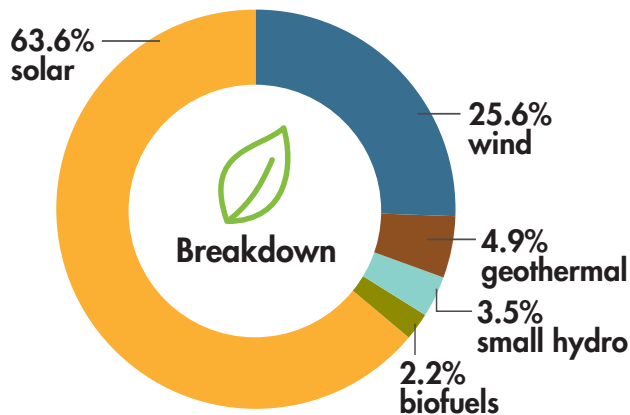
[Learn about curtailment and managing the evolving grid.](#)








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

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

### Installed renewable resources *(as of 2/11/2025)*



	Megawatts
 Solar	20,739
 Wind	8,346
 Geothermal	1,610
 Small hydro	1,147
 Biofuels	730
<b>TOTAL</b>	<b>32,572</b>

[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)
- 37,751 MW average market transactions per day (2023)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 331 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

[See previous Key Statistics](#)