

## KEY STATISTICS

### Peaks for April 2025

 **PEAK DEMAND<sup>1</sup>**  
**28,774 MW**

April 17, 9:12 a.m.

**Previous month:**  
28,598 MW

**Previous year:**  
27,008 MW

 **SOLAR PEAK<sup>1</sup>**  
**21,062 MW**

April 24, 10:32 a.m.

**Previous month:**  
19,164 MW

**Previous year:**  
18,374 MW

 **WIND PEAK<sup>1</sup>**  
**6,313 MW**

April 17, 10:39 p.m.

**Previous month:**  
6,246 MW

**Previous year:**  
5,887 MW

 **PEAK DEMAND SERVED  
BY RENEWABLES<sup>1,2</sup>**  
**23,830 MW**

April 16, 10:18 a.m.

**Previous month:**  
20,422 MW

**Previous year:**  
14,905 MW

 **PEAK NET IMPORTS**  
**8,498 MW**

April 1, 10:51 p.m.

**Previous month:**  
8,910 MW

**Previous year:**  
8,332 MW

 **PEAK NET EXPORTS**  
**5,676 MW**

April 23, 1:49 p.m.

**Previous month:**  
4,707 MW

**Previous year:**  
7,243 MW

### Historical statistics and records *(as of 05/07/2025)*

 **PEAK DEMAND**

**52,061 MW**

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

**Second highest:**  
50,270 MW, July 24, 2006

New record

 **SOLAR PEAK**

**21,370 MW**

May 2, 2025 at 12:13 p.m.

**Previous record:**  
21,062 MW, April 24, 2025

 **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**

**23,400 MWh**

Mar. 7, 2025 starting at 3:05 p.m.

**Second highest:**  
23,228 MWh, Jan. 20, 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.

## Western Energy Imbalance Market (WEIM) benefits: Q1 2025 [Read report](#)

### BENEFITS

**\$369.36 million**

**Previous quarter:**  
\$374.25 million

### ISO AVOIDED CURTAILMENTS

**76,015 MWh**

**Previous quarter:**  
30,462 MWh

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

**32,534 MTCO<sub>2</sub>**

**Previous quarter:**  
13,038 MTCO<sub>2</sub>

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

### BENEFITS

**\$6.99 billion**

### ISO AVOIDED CURTAILMENTS

**2,513,197 MWh**

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

**1,075,568 MTCO<sub>2</sub>**

**Active participants: 22**

**Future participants: 2**

**Number of states: 11**

## Resources



Resource adequacy net qualifying capacity (NQC) = **53,920 MW**

*As of 04/30/25. Does not include current outages.*

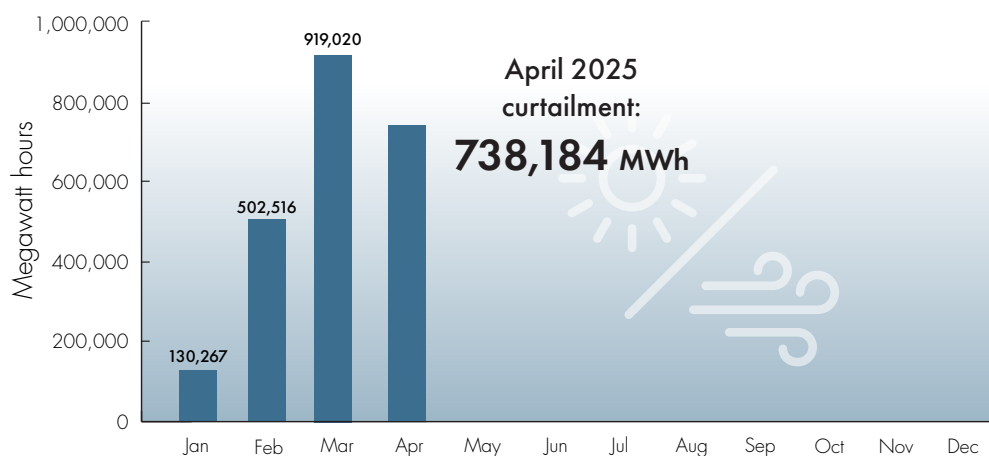


Installed battery capacity<sup>4</sup> = **12,471 MW**

*As of 04/30/25; subject to change.*

## Wind and solar curtailment totals

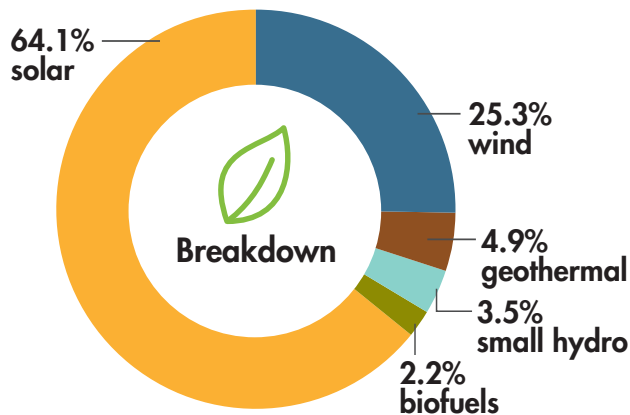
[Learn about curtailment and managing the evolving grid.](#)








<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 05/07/2025)*



	Megawatts
 Solar	21,240
 Wind	8,373
 Geothermal	1,610
 Small hydro	1,146
 Biofuels	730
<b>TOTAL</b>	<b>33,099</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
- Serves ~80% of California demand
- Serves ~24% 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)
- 241.8 million megawatt-hours of load served (2024)
- 253.3 million megawatts of total electricity delivered (2024)
- 40,298 MW average market transactions per day (2024)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 324 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 39 transmission operators

[See previous Key Statistics](#)