

KEY STATISTICS

Peaks for March 2025

 **PEAK DEMAND¹**
28,598 MW

Mar. 14, 11:13 a.m.

Previous month:
29,772 MW

Previous year:
27,125 MW

 **SOLAR PEAK¹**
19,164 MW

Mar. 26, 3:16 p.m.

Previous month:
18,070 MW

Previous year:
15,364 MW

 **WIND PEAK¹**
6,246 MW

Mar. 17, 5:54 p.m.

Previous month:
5,917 MW

Previous year:
5,739 MW

 **PEAK DEMAND SERVED
BY RENEWABLES^{1,2}**
20,422 MW

Mar. 31, 12:03 p.m.

Previous month:
20,623 MW

Previous year:
11,895 MW

 **PEAK NET IMPORTS**
8,910 MW

Mar. 10, 1:21 a.m.

Previous month:
9,845 MW

Previous year:
8,061 MW

 **PEAK NET EXPORTS**
4,707 MW

Mar. 7, 2:53 p.m.

Previous month:
2,769 MW

Previous year:
5,413 MW

Historical statistics and records *(as of 04/14/2025)*

 **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**

20,856 MW

April 11, 2025 at 10:56 a.m.

Previous record:
19,670 MW, April 10, 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

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.

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 SAVINGS³

13,038 MTCO₂

Previous quarter:
22,705 MTCO₂

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

BENEFITS

\$6.62 billion

ISO AVOIDED CURTAILMENTS

2,437,182 MWh

ISO GHG SAVINGS³

1,043,034 MTCO₂

Active participants: **22**

Future participants: **2**

Number of states: **11**

Resources



Resource adequacy net qualifying capacity (NQC) = **52,212 MW**

As of 03/31/25. Does not include current outages.

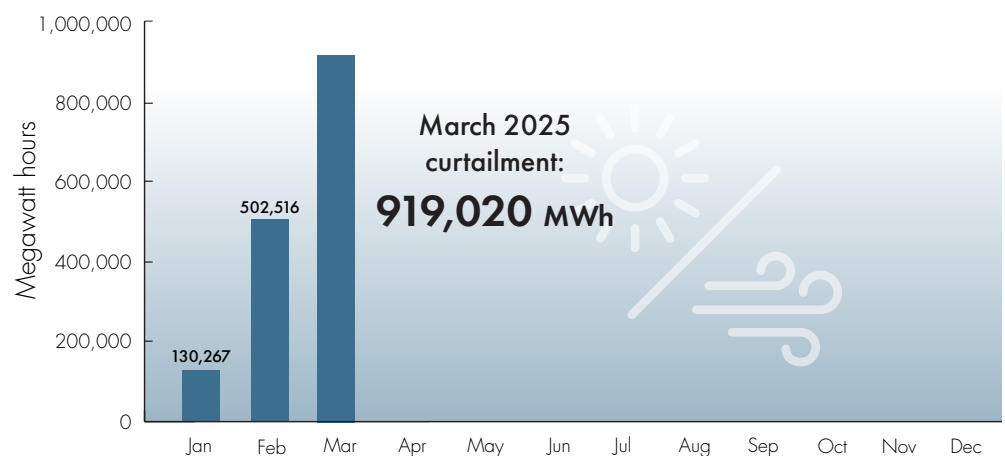


Installed battery capacity⁴ = **11,384 MW**

As of 03/31/25; subject to change.

Wind and solar curtailment totals

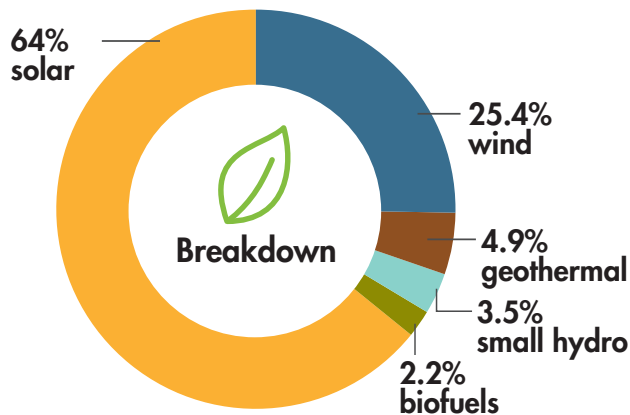
[Learn about curtailment and managing the evolving grid.](#)








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 04/08/2025)*



	Megawatts
 Solar	21,043
 Wind	8,373
 Geothermal	1,610
 Small hydro	1,146
 Biofuels	730
TOTAL	32,902

[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
- 329 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 39 transmission operators

[See previous Key Statistics](#)