

Peaks for September 2025

 **PEAK DEMAND¹**
42,956 MW

Sept. 2, 6:12 p.m.

Previous month:
44,506 MW**Previous year:**
48,323 MW **SOLAR PEAK¹**
21,290 MW

Sept. 9, 12:03 p.m.

Previous month:
21,619 MW**Previous year:**
19,156 MW **WIND PEAK¹**
5,806 MW

Sept. 26, 10:47 p.m.

Previous month:
5,903 MW**Previous year:**
5,877 MW **PEAK DEMAND SERVED
BY RENEWABLES^{1,2}**
24,383 MW

Sept. 10, 10:02 a.m.

Previous month:
20,426 MW**Previous year:**
20,587 MW **PEAK NET IMPORTS**
9,823 MW

Sept. 20, 11:58 p.m.

Previous month:
8,844 MW**Previous year:**
8,115 MW **PEAK NET EXPORTS**
3,871 MW

Sept. 9, 1:52 p.m.

Previous month:
6,085 MW**Previous year:**
4,189 MW

Historical statistics and records (as of 10/08/2025)

 PEAK DEMAND**52,061 MW**

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

Second highest:
50,270 MW, July 24, 2006 **SOLAR PEAK****21,774 MW**

July 30, 2025 at 11:56 a.m.

Previous record:
21,718 MW, July 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**24,378 MWh**

Oct. 5, 2025 starting at 2:25 p.m.

Second highest:
23,400 MWh, Mar. 7, 2025¹ 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: Q2 2025 [Read report](#)

BENEFITS

\$420.44 million

Previous quarter:
\$369.36 million

ISO AVOIDED CURTAILMENTS

112,712 MWh

Previous quarter:
76,015 MWh

ISO GHG SAVINGS³

48,241 MTCO₂

Previous quarter:
32,534 MTCO₂

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

BENEFITS

\$7.4 billion

ISO AVOIDED CURTAILMENTS

2,625,909 MWh

ISO GHG SAVINGS³

1,123,809 MTCO₂

Active participants: **22**

Future participants: **3**

Number of states: **11**

Resources



Resource adequacy net qualifying capacity (NQC) = **61,962 MW**

As of 10/08/25. Does not include current outages.

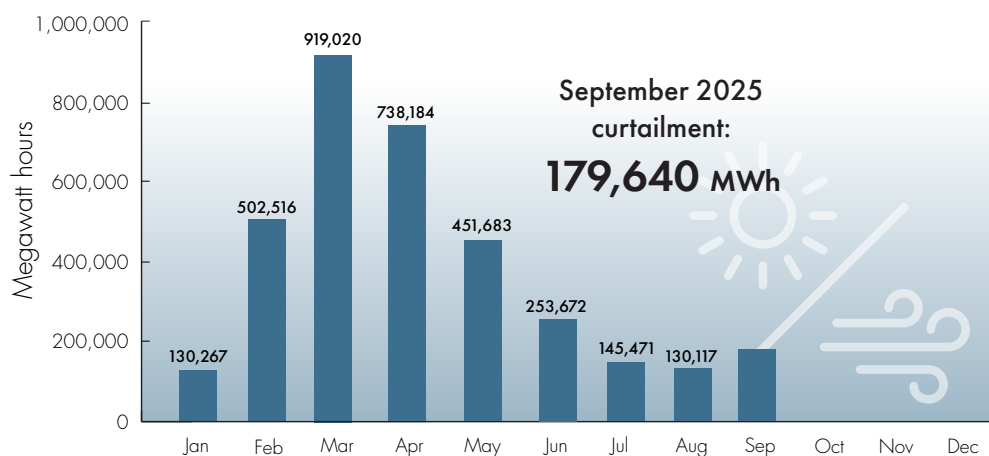


Installed battery capacity⁴ = **14,248.69 MW**

As of 09/30/25; subject to change.

Wind and solar curtailment totals

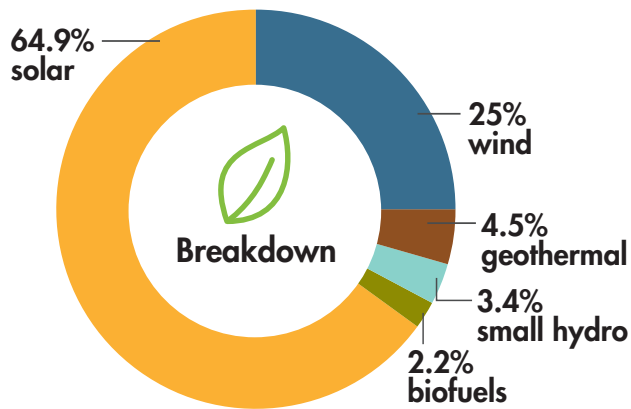
[Learn about curtailment and managing the evolving grid.](#)



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 10/08/2025)



	Megawatts
 Solar	21,722
 Wind	8,355
 Geothermal	1,505
 Small hydro	1,146
 Biofuels	732
TOTAL	33,460

[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)
- 23 participating transmission owners
- ~26,000 circuit miles of transmission
- 331 market participants
- RC West is the reliability coordinator for 25 balancing authorities and 40 transmission operators

[See previous Key Statistics](#)