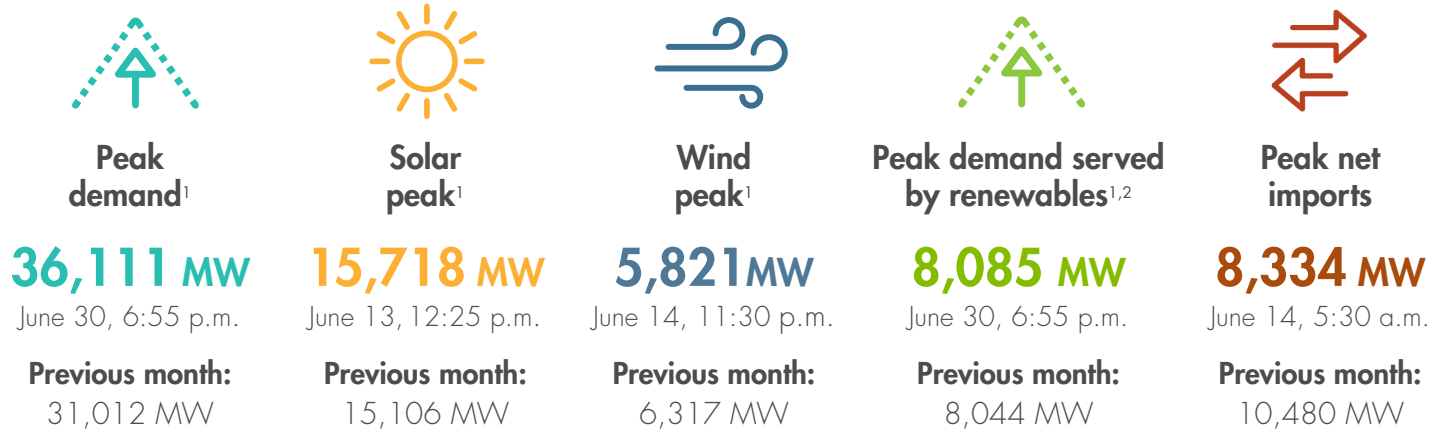
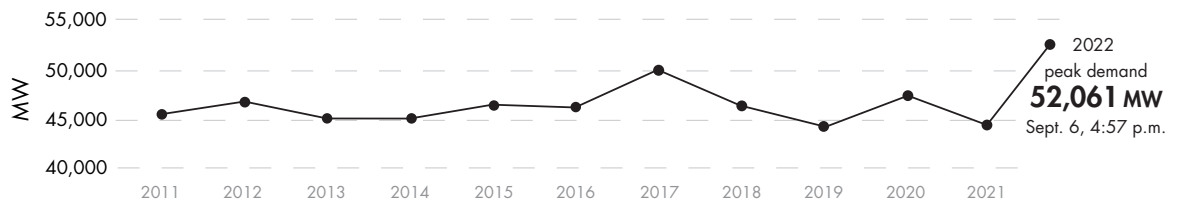



### Peaks for June 2023



[Peak load history](#)




### Historical statistics and records (as of 7/07/2023)

 **Solar peak NEW!**  
**15,960 MW**

July 6, 2023 at 11:59 a.m.

**Previous record:**

15,927 MW, July 5, 2023

 **Wind peak**  
**6,465 MW**

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

**Previous record:**

6,265 MW, March 4, 2022

 **Peak percentage of renewables compared to demand**

**103.5%**

May 8, 2022 at 3:39 p.m.

**Previous record:**

99.87%, April 30, 2022

 **Peak net imports**  
**11,894 MW**

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**  
**20,326 MW**

Feb. 15, 2023 starting at 3:00 p.m.

**Second highest:**

19,699 MW, Jan. 23, 2023

<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: Q1 2023 [Read report](#)

**Benefits**  
**\$418.82 million**

Previous quarter:  
\$485.3 million

**ISO avoided curtailments**  
**53,002 MWh**

Previous quarter:  
25,609 MWh

**ISO GHG savings<sup>3</sup>**  
**22,685 MTCO<sub>2</sub>**

Previous quarter:  
10,960 MTCO<sub>2</sub>

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

**Benefits**  
**\$3.82 billion**

**Active participants**  
**22**

**ISO avoided curtailments**  
**1,903,799 MWh**

**Number of states**  
**11**

**ISO GHG savings<sup>3</sup>**  
**814,746 MTCO<sub>2</sub>**

## Resources



Resource adequacy net qualifying capacity (NQC) = **49,196 MW**

*As of 6/30/23. Does not include current outages.*

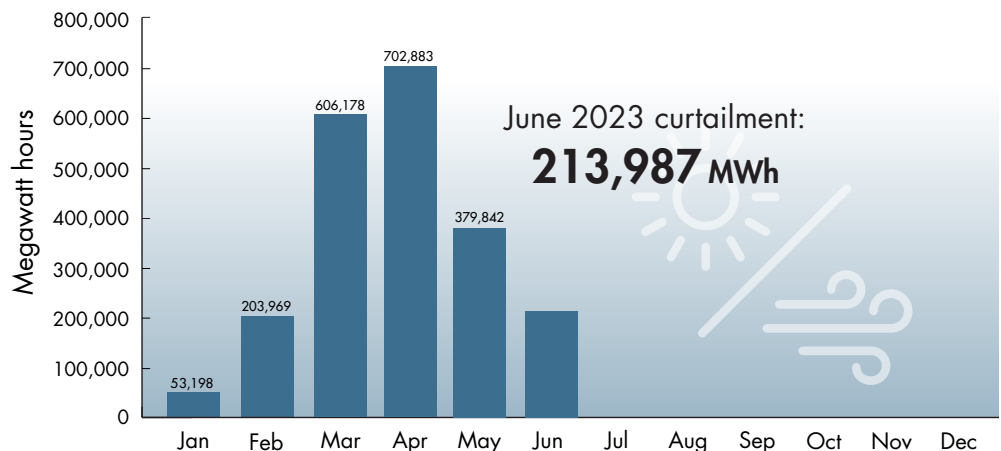


Installed battery capacity<sup>4</sup> = **5,240 MW**

*As of 6/30/23; subject to change.*

## Wind and solar curtailment totals

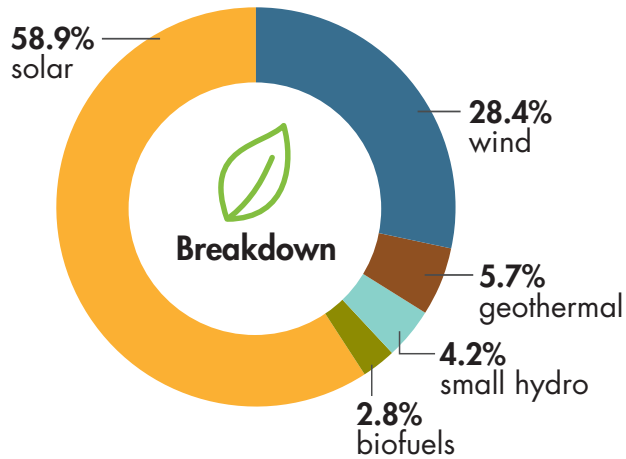
*For more on oversupply, [visit here](#).*








<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 6/30/2023)*



	Megawatts
 Solar	16,653
 Wind	8,033
 Geothermal	1,600
 Small hydro	1,184
 Biofuels	782
<b>TOTAL</b>	<b>28,252</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
- 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)
- 239.1 million megawatt-hours of load served (2022)
- 243.1 million megawatts of total electricity delivered (2022)
- 36,689 average market transactions per day (2022)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 287 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

[See 2022 Annual Statistics](#)

[See previous Key Statistics](#)