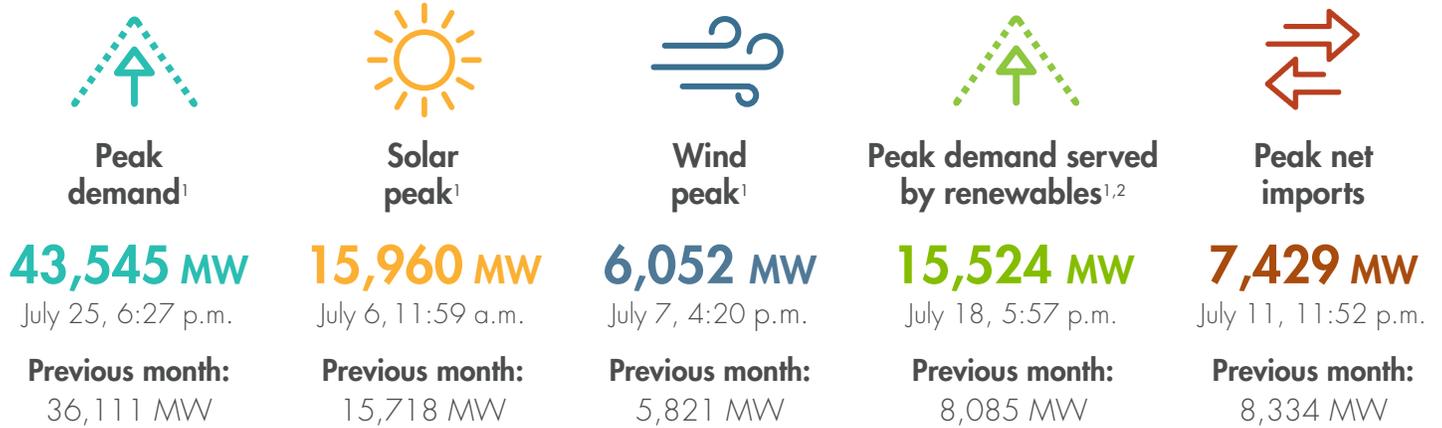
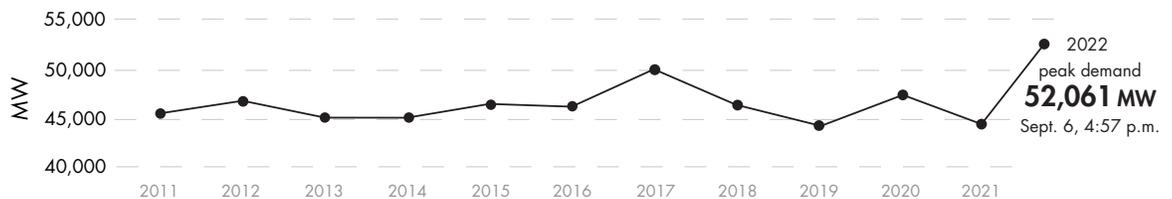


### Peaks for July 2023



[Peak load history](#)



### Historical statistics and records (as of 8/07/2023)

 **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: Q2 2023 [Read report](#)

Benefits  
**\$379.91 million**

Previous quarter:  
\$418.82 million

ISO avoided curtailments  
**148,938 MWh**

Previous quarter:  
53,002 MWh

ISO GHG savings<sup>3</sup>  
**63,745 MTCO<sub>2</sub>**

Previous quarter:  
22,685 MTCO<sub>2</sub>

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

Benefits  
**\$4.2 billion**

Active participants  
**22**

ISO avoided curtailments  
**2,052,737 MWh**

Number of states  
**11**

ISO GHG savings<sup>3</sup>  
**878,491 MTCO<sub>2</sub>**

## Resources



Resource adequacy net qualifying capacity (NQC) = **50,124 MW**

As of 7/31/23. Does not include current outages.



Installed battery capacity<sup>4</sup>  
**5,487 MW**

As of 7/31/23; subject to change.

## Wind and solar curtailment totals

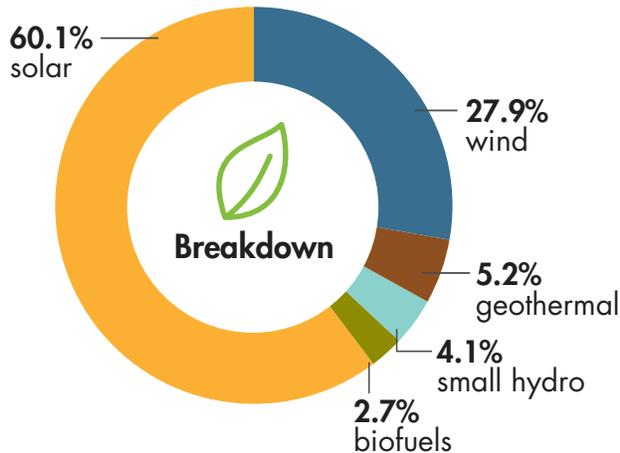
For more on oversupply, [visit here](#).



<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 7/31/2023)*



	Megawatts
 Solar	17,291
 Wind	8,033
 Geothermal	1,494
 Small hydro	1,165
 Biofuels	778
<b>TOTAL</b>	<b>28,761</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
- 297 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](#)