Peak demand

27,125 MW
Mar. 6, 6:31 p.m.

Previous month:
28,592 MW

Solar peak

15,364 MW
Mar. 22, 10:01 a.m.

Previous month:
15,066 MW

Wind peak

5,739 MW
Mar. 26, 5:02 p.m.

Previous month:
5,181 MW

Peak demand served by renewables

11,895 MW
Mar. 29, 8:25 a.m.

Previous month:
6,165 MW

Peak net imports

8,061 MW
Mar. 22, 10:29 p.m.

Previous month:
7,994 MW

Historical statistics and records (as of 04/12/2024)

Solar peak NEW!

17,802 MW
April 11, 2024 at 12:37 p.m.

Previous record:
17,170 MW, April 10, 2024

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

21,505 MWh
Feb 10, 2024 starting at 3 p.m.

Second highest:
21,153 MWh, Jan. 7, 2024

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.
## Key Statistics

### Western Energy Imbalance Market (WEIM) benefits: Q4 2023

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings$^3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$391.82 million</td>
<td>49,880 MWh</td>
<td>21,349 MTCO$_2$</td>
</tr>
<tr>
<td>Previous quarter:</td>
<td>60,133 MWh</td>
<td>Previous quarter:</td>
</tr>
<tr>
<td>$462.05 million</td>
<td></td>
<td>25,728 MTCO$_2$</td>
</tr>
</tbody>
</table>

### WEIM benefits since 2014

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings$^3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5.05 billion</td>
<td>2,162,730 MWh</td>
<td>925,568 MTCO$_2$</td>
</tr>
<tr>
<td>Active participants</td>
<td>Future participants</td>
<td>Number of states</td>
</tr>
<tr>
<td>22</td>
<td>1</td>
<td>11</td>
</tr>
</tbody>
</table>

### Resources

- **Resource adequacy net qualifying capacity (NQC)** = 49,173 MW
  - As of 04/01/24. Does not include current outages.

- **Installed battery capacity$^4** = 7,626 MW
  - As of 04/01/24; subject to change.

### Wind and solar curtailment totals

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

### Western Energy Imbalance Market (WEIM) benefits: Q4 2023

**Mar 2024 curtailment:** 730,265 MWh

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$^3$ 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 04/01/2024)

**Breakdown**

- **62%** solar
- **26.4%** wind
- **5.2%** geothermal
- **3.8%** small hydro
- **2.5%** biofuels

**Megawatts**

- **Solar** 19,011
- **Wind** 8,120
- **Geothermal** 1,610
- **Small hydro** 1,181
- **Biofuels** 778
- **TOTAL** 30,700

**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)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 314 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See the 2023 Annual Statistics

See previous Key Statistics