Peaks for February 2024

**Peak demand**
- **28,592 MW**
  - Feb. 7, 6:26 p.m.
- **15,066 MW**
  - Feb. 12, 10:15 a.m.
- **5,181 MW**
  - Feb. 26, 8:29 p.m.

*Previous month: 29,012 MW*

**Wind peak**
- **6,165 MW**
  - Feb. 26, 5:59 p.m.

*Previous month: 7,027 MW*

**Solar peak**
- **15,066 MW**
  - Feb. 12, 10:15 a.m.

**Peak demand served by renewables**

**Peak net imports**
- **7,994 MW**
  - Feb. 24, 10:32 p.m.

**Peak net imports**

*Historical statistics and records (as of 03/7/2024)*

- **Solar peak**
  - **16,056 MW**
    - Sept. 26, 2023 at 11:32 a.m.
  - Previous record: 16,044 MW, Sept. 6, 2023

- **Wind peak**
  - **6,465 MW**
    - May 28, 2022 at 5:39 p.m.
  - Previous record: 6,265 MW, March 4, 2022

- **Peak net imports**
  - **11,894 MW**
    - Sept. 21, 2019 at 6:53 p.m.

- **Peak percentage of renewables compared to demand**
  - **103.5%**
    - May 8, 2022 at 3:39 p.m.
  - Previous record: 99.87%, April 30, 2022

- **Steepest 3-hour average ramp**
  - **NEW!**
  - **21,505 MWh**
    - Feb 10, 2024 starting at 3 p.m.
  - Second highest: 21,153 MWh, Jan. 7, 2024

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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 2023  

**Benefits**  
$391.82 million  

Previous quarter:  
$462.05 million

**ISO avoided curtailments**  
49,880 MWh  

Previous quarter:  
60,133 MWh

**ISO GHG savings**  
21,349 MTCO₂  

Previous quarter:  
25,728 MTCO₂

**WEIM benefits since 2014**  

**Benefits**  
$5.05 billion

**ISO avoided curtailments**  
2,162,730 MWh

**ISO GHG savings**  
925,568 MTCO₂

**Active participants**  
22

**Future participants**  
1

**Number of states**  
11

**Resources**

Resource adequacy net qualifying capacity (NQC) = 48,464 MW  
As of 03/01/24. Does not include current outages.

Installed battery capacity = 7,261 MW  
As of 03/07/24; subject to change.

**Wind and solar curtailment totals**

For more on oversupply, visit here.

Feb. 2024 curtailment:  
228,889 MWh

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² The GHG emission reduction is associated with the avoided curtailment only.
³ Includes storage resources that have achieved commercial operation date, and does not include pumped storage.
Key Statistics

Installed renewable resources (as of 03/01/2024)

- **60.8% solar**
- **27.5% wind**
- **5.3% geothermal**
- **3.9% small hydro**
- **2.6% biofuels**

**Breakdown**

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>18,517</td>
</tr>
<tr>
<td>Wind</td>
<td>8,357</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,610</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,180</td>
</tr>
<tr>
<td>Biofuels</td>
<td>778</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30,442</strong></td>
</tr>
</tbody>
</table>

**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
- 310 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

[See Today’s Outlook](#)

[See the 2023 Annual Statistics](#)

[See previous Key Statistics](#)