Peaks for March 2024

- **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

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### Annual peak demand

- **Peak demand history**
  - 2012: 44,534 MW (Aug. 16, 5:59 p.m.)
  - 2023: 2023 peak demand 44,534 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.

- **Steepest 3-hour average ramp**
  - 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 [Read report]

Benefits
$391.82 million

Previous quarter: $462.05 million

ISO avoided curtailments
49,880 MWh

Previous quarter: 60,133 MWh

ISO GHG savings¹
21,349 MTCO₂

Previous quarter: 25,728 MTCO₂

WEIM benefits since 2014 [Visit WEIM website]

Benefits
$5.05 billion

ISO avoided curtailments
2,162,730 MWh

ISO GHG savings¹
925,568 MTCO₂

Active participants
22

Future participants
1

Number of states
11

Resources

Resource adequacy net qualifying capacity (NQC) = 48,741 MW

As of 04/01/24. Does not include current outages.

Installed battery capacity²
7,596 MW

As of 04/01/24; subject to change.

Wind and solar curtailment totals

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

Mar 2024 curtailment:
730,265 MWh

¹ The GHG emission reduction is associated with the avoided curtailment only.

² Includes storage resources that have achieved commercial operation date, and does not include pumped storage. Value updated 07/10/24, previously listed as 7,626 MW.
Installed renewable resources (as of 04/01/2024)

![Breakdown of installed renewable resources]

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>19,011</td>
</tr>
<tr>
<td>Wind</td>
<td>8,120</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,610</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,181</td>
</tr>
<tr>
<td>Biofuels</td>
<td>778</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30,700</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)
- 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