Peaks for June 2024

- **Peak demand**
  - June 24, 6:08 p.m.: 39,380 MW
  - Previous month: 30,585 MW

- **Solar peak**
  - June 20, 12:07 p.m.: 19,368 MW
  - Previous month: 18,933 MW

- **Wind peak**
  - June 16, 4:11 p.m.: 6,001 MW
  - Previous month: 6,322 MW

- **Peak demand served by renewables**
  - June 26, 6:12 p.m.: 17,847 MW
  - Previous month: 19,786 MW

- **Peak net imports**
  - June 4, 12:13 a.m.: 8,590 MW
  - Previous month: 9,081 MW

---

Annual peak demand

<table>
<thead>
<tr>
<th>Year</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>40,000</td>
</tr>
<tr>
<td>2013</td>
<td>45,000</td>
</tr>
<tr>
<td>2014</td>
<td>50,000</td>
</tr>
<tr>
<td>2015</td>
<td>55,000</td>
</tr>
</tbody>
</table>

peak demand 44,534 MW

- August 16, 5:59 p.m.

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Historical statistics and records (as of 07/09/2024)

- **Solar peak**
  - NEW! 19,368 MW
  - June 20, 2024 at 12:07 p.m.
  - Previous record: 18,998 MW, June 12, 2024

- **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 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.
Western Energy Imbalance Market (WEIM) benefits: Q1 2024

Benefits

$436.30 million
Previous quarter: $391.82 million

ISO avoided curtailments

60,285 MWh
Previous quarter: 49,880 MWh

ISO GHG savings:

25,802 MTCO₂
Previous quarter: 21,349 MTCO₂

WEIM benefits since 2014

Benefits

$5.49 billion

ISO avoided curtailments

2,223,015 MWh

ISO GHG savings:

951,370 MTCO₂

Active participants

22

Future participants

1

Number of states

11

Resources

Resource adequacy net qualifying capacity (NQC) = 52,633 MW
As of 07/01/24. Does not include current outages.

Installed battery capacity = 9,080 MW
As of 07/10/24; subject to change.

Wind and solar curtailment totals

Learn about curtailment and managing the evolving grid.

June 2024 curtailment: 246,629 MWh

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

Includes storage resources that have achieved commercial operation date, and does not include pumped storage.
### Installed renewable resources (as of 07/09/2024)

**Breakdown**

- **62.7% solar**
- **26.4% wind**
- **5.1% geothermal**
- **3.7% small hydro**
- **2.4% biofuels**

<table>
<thead>
<tr>
<th>Renewable Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>19,628</td>
</tr>
<tr>
<td>Wind</td>
<td>8,352</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>779</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>31,549</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)
- 237.5 million megawatt-hours of load served (2023)
- 245.8 million megawatts of total electricity delivered (2023)
- 37,751MW average market transactions per day (2023)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 319 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*