**Peaks for May 2024**

- **Peak demand**: 30,585 MW  
  May 30, 8:10 p.m.  
  Previous month: 27,008 MW

- **Solar peak**: 18,933 MW  
  May 13, 11:56 a.m.  
  Previous month: 18,374 MW

- **Wind peak**: 6,322 MW  
  May 15, 10 p.m.  
  Previous month: 5,887 MW

- **Peak demand served by renewables**: 19,786 MW  
  May 4, 12:04 p.m.  
  Previous month: 14,905 MW

- **Peak net imports**: 9,081 MW  
  May 17, 11:43 p.m.  
  Previous month: 8,332 MW

---

**Historical statistics and records (as of 06/06/2024)**

- **Solar peak**\(^*\) **NEW!**  
  18,998 MW  
  June 12, 2024 at 12:28 p.m.  
  Previous record: 18,962 MW, June 10, 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.  
\(^*\) This value has been manually validated, and is not what is currently reflected in Today’s Outlook and the ISO Today mobile app.
Western Energy Imbalance Market (WEIM) benefits: Q1 2024 [Read report]

Benefits

$436.30 million
Previous quarter: $391.82 million

ISO avoided curtailments

60,285 MWh
Previous quarter: 49,880 MWh

ISO GHG savings3

25,802 MTCO₂
Previous quarter: 21,349 MTCO₂

WEIM benefits since 2014 [Visit WEIM website]

Benefits

$5.49 billion

ISO avoided curtailments

2,223,015 MWh

ISO GHG savings3

951,370 MTCO₂

Resources

Resource adequacy net qualifying capacity (NQC) = 50,456 MW
As of 06/01/24. Does not include current outages.

Installed battery capacity4

8,933 MW
As of 06/01/24; subject to change.

Wind and solar curtailment totals

For more on oversupply, visit here.

May 2024 curtailment: 681,104 MWh

---

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. Value updated 07/10/24, previously listed as 9,163 MW.
Installed renewable resources (as of 06/01/2024)

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

### Megawatts

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>19,479</td>
</tr>
<tr>
<td>Wind</td>
<td>8,120</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,504</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,166</td>
</tr>
<tr>
<td>Biofuels</td>
<td>778</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>31,047</strong></td>
</tr>
</tbody>
</table>

**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)
- 237.5 million megawatt-hours of load served (2023)
- 245.8 million megawatts of total electricity delivered (2023)
- 37,751 MW average market transactions per day (2023)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 323 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**