# Peaks for June 2023

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak demand 1</td>
<td>36,111 MW</td>
<td>June 30, 6:55 p.m.</td>
</tr>
<tr>
<td>Previous month:</td>
<td>31,012 MW</td>
<td></td>
</tr>
<tr>
<td>Solar peak 1</td>
<td>15,718 MW</td>
<td>June 13, 12:25 p.m.</td>
</tr>
<tr>
<td>Previous month:</td>
<td>15,106 MW</td>
<td></td>
</tr>
<tr>
<td>Wind peak 1</td>
<td>5,821 MW</td>
<td>June 14, 11:30 p.m.</td>
</tr>
<tr>
<td>Previous month:</td>
<td>6,317 MW</td>
<td></td>
</tr>
<tr>
<td>Peak demand served by renewables 1, 2</td>
<td>8,085 MW</td>
<td>June 30, 6:55 p.m.</td>
</tr>
<tr>
<td>Previous month:</td>
<td>8,044 MW</td>
<td></td>
</tr>
<tr>
<td>Peak net imports</td>
<td>8,334 MW</td>
<td>June 14, 5:30 a.m.</td>
</tr>
<tr>
<td>Previous month:</td>
<td>10,480 MW</td>
<td></td>
</tr>
</tbody>
</table>

## Historical statistics and records (as of 7/07/2023)

- **Solar peak NEW!** 15,960 MW  
  July 6, 2023 at 11:59 a.m.  
  Previous record: 15,927 MW, July 5, 2023

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

- **Peak demand** 52,061 MW  
  Sept. 6, 2022 at 4:57 p.m.  
  Second highest: 50,270 MW, July 24, 2006

- **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** 20,326 MW  
  Feb. 15, 2023 starting at 3:00 p.m.  
  Second highest: 19,699 MW, Jan. 23, 2023

---

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 2023

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>$418.82 million</td>
<td>53,002 MWh</td>
<td>22,685 MTCO₂</td>
</tr>
<tr>
<td>Previous quarter: $485.3 million</td>
<td>Previous quarter: 25,609 MWh</td>
<td>Previous quarter: 10,960 MTCO₂</td>
</tr>
</tbody>
</table>

WEIM benefits since 2014

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings³</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3.82 billion</td>
<td>1,903,799 MWh</td>
<td>814,746 MTCO₂</td>
</tr>
</tbody>
</table>

Active participants: 22
Number of states: 11

Resources

Resource adequacy net qualifying capacity (NQC) = 49,196 MW
As of 6/30/23. Does not include current outages.

Installed battery capacity⁴
5,240 MW
As of 6/30/23; subject to change.

Wind and solar curtailment totals
For more on oversupply, visit here.

Wind and solar curtailment totals:

June 2023 curtailment: 213,987 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.

©2023 California ISO
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
- 287 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See 2022 Annual Statistics

See previous Key Statistics