Peaks for January 2022

**Peak demand**
- 29,416 MW
  - Jan 3, 5:41 p.m.
  - Previous month: 31,686 MW

**Solar peak**
- 11,369 MW
  - Jan 30, 2:05 p.m.
  - Previous month: 9,832 MW

**Wind peak**
- 4,949 MW
  - Jan 7, 10:57 p.m.
  - Previous month: 4,975 MW

**Peak demand served by renewables**
- 7,178 MW
  - Jan 14, 5:50 p.m.
  - Previous month: 6,089 MW

**Peak net imports**
- 10,752 MW
  - Jan 20, 9:34 p.m.
  - Previous month: 11,620 MW

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### Historical statistics and records (as of 02/01/2022)

**Solar peak**
- 13,205 MW
  - May 27, 2021 at 11:57 a.m.
  - Previous record: 13,151 MW, Apr 13, 2021

**Wind peak**
- 5,754 MW
  - May 29, 2021 at 10:12 p.m.
  - Previous record: 5,753 MW, Apr 22, 2021

**Peak renewables serving load**
- 94.5%
  - Apr 24, 2021 at 2:28 p.m.
  - Previous record: 92.5%, Mar 13, 2021

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

**Steepest ramp over 3-hour period**
- 17,259 MW
  - Feb 28, 2021 at 3:34 p.m.
  - Second highest: 15,639 MW, Jan 1, 2019

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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 2021 [Read report]

**Benefits**
- **$204 million**
- Previous quarter: $301 million

**ISO avoided curtailments**
- **38,044 MWh**
- Previous quarter: 23,042 MWh

**ISO GHG savings**
- **16,283 MTCO₂**
- Previous quarter: 9,862 MTCO₂

**WEIM benefits since 2014** [Visit WEIM website]

**Benefits**
- **$1.93 billion**

**ISO avoided curtailments**
- **1,570,200 MWh**

**ISO GHG savings**
- **671,966 MTCO₂**

<table>
<thead>
<tr>
<th>Active participants</th>
<th>Future participants</th>
<th>Number of states</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>7</td>
<td>10</td>
</tr>
</tbody>
</table>

**Resources (as of 02/01/2022)**

- Resource adequacy net qualifying capacity (NQC) = **43,022 MW**
- Installed battery capacity**4** = **2,607 MW**

Wind and solar curtailment totals

*For more on oversupply, visit here.*

3 The GHG emission reduction is associated with the avoided curtailment only.
4 Does not include pumped storage.
Installed renewable resources (as of 02/01/2022)

**Breakdown**

- 57.2% solar
- 29.8% wind
- 5.4% geothermal
- 4.5% small hydro
- 3% biofuels

### Megawatts

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>15,034</td>
</tr>
<tr>
<td>Wind</td>
<td>7,844</td>
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<tr>
<td>Geothermal</td>
<td>1,428</td>
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<tr>
<td>Small hydro</td>
<td>1,177</td>
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<tr>
<td>Biofuels</td>
<td>799</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>26,282</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.”

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### 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)
- 224.8 million megawatt-hours of load served (2020)
- 33,617 market transactions per day (2020)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 255 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

*See previous Key Statistics*