Peaks for February 2021

**Peak demand**
- **27,441 MW**
  - Feb 9, 6:27 p.m.
- **12,106 MW**
  - Feb 25, 12:37 p.m.
- **5,040 MW**
  - Feb 24, 7:16 p.m.
- **6,398 MW**
  - Feb 24, 6:24 p.m.
- **10,084 MW**
  - Feb 2, 7:04 a.m.

*Previous month: 29,481 MW*

**Solar peak**
- **12,106 MW**
  - Feb 25, 12:37 p.m.

*Previous month: 10,547 MW*

**Wind peak**
- **5,040 MW**
  - Feb 24, 7:16 p.m.

*Previous month: 4,907 MW*

**Peak demand served by renewables**
- **6,398 MW**
  - Feb 24, 6:24 p.m.

*Previous month: 5,468 MW*

**Peak net imports**
- **10,084 MW**
  - Feb 2, 7:04 a.m.

*Previous month: 11,127 MW*

---

**Annual peak demand**

<table>
<thead>
<tr>
<th>Year</th>
<th>Peak Demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>48,000 MW</td>
</tr>
<tr>
<td>2011</td>
<td>49,000 MW</td>
</tr>
<tr>
<td>2012</td>
<td>47,500 MW</td>
</tr>
<tr>
<td>2013</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2014</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2015</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2016</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2017</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2018</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2019</td>
<td>47,000 MW</td>
</tr>
<tr>
<td>2020</td>
<td>47,954 MW</td>
</tr>
</tbody>
</table>

**Peak load history**

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**Historical statistics and records (as of 3/01/2021)**

**Solar peak** NEW!
- **12,335 MW**
  - March 1, 2021 at 2:04 p.m.
  - *Previous record: 12,106 MW, Feb 25, 2021*

**Wind peak**
- **5,318 MW**
  - April 30, 2020 at 5:36 p.m.
  - *Previous record: 5,309 MW, May 8, 2019*

**Peak renewables serving load** NEW!
- **89%**
  - Feb 27, 2021 at 11:21 a.m.
  - *Previous record: 84.6%, Feb 21, 2021*

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

**Peak demand**
- **50,270 MW**
  - July 24, 2006 at 2:44 p.m.
  - *Second highest: 50,116 MW, Sep 1, 2017*

**Steepest ramp over 3-hour period** NEW!
- **17,447 MW**
  - Feb 28, 2021 at 3:34 p.m.
  - *Second highest: 15,639 MW, Jan 1, 2019*

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* Based on 1-minute averages, and includes dynamic transfers. Values are subject to revision as data is refined.
** Indicates the highest amount of renewables serving peak electricity demand on any given day.
Western EIM benefits: Q4 2020 [Read report]

Benefits
$68.86 million
Previous quarter: $119.3 million

ISO avoided curtailments
39,956 MWh
Previous quarter: 37,548 MWh

ISO GHG savings*
17,101 MTCO₂
Previous quarter: 16,071 MTCO₂

Western EIM benefits since 2014 [Visit Western EIM]

Benefits
$1.18 billion

ISO avoided curtailments
1.3 GWh

ISO GHG savings*
586,553 MTCO₂

Active participants
11

Future participants
11

Number of states
8

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

Resources (as of 3/01/2021)

Resource adequacy net qualifying capacity (NQC) = 42,391 MW

Does not include current outages

Wind and solar curtailment totals

For more on oversupply, [visit here].

Feb 2021 curtailment:
137,731 MWh

January
February
Installed renewable resources (as of 3/01/2021)

**Breakdown**

- **57.8%** solar
- **28%** wind
- **5.7%** geothermal
- **3.4%** small hydro

### 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)
- 20 participating transmission owners
- ~26,000 circuit miles of transmission
- 258 market participants
- RC West is the reliability coordinator for 41 entities across 14 western states and northern Mexico

**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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### Installed renewable resources (as of 3/01/2021)

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>14,066</td>
</tr>
<tr>
<td>Wind</td>
<td>6,826</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,389</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,235</td>
</tr>
<tr>
<td>Biofuels</td>
<td>822</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24,338</strong></td>
</tr>
</tbody>
</table>

See Today’s Outlook

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See previous key statistics