Peaks for April 2021

- **Peak demand**
  - **30,244 MW**
  - Apr 30, 5:56 p.m.
  - Previous month: 28,349 MW

- **Solar peak**
  - **13,151 MW**
  - Apr 13, 11:43 a.m.
  - Previous month: 12,913 MW

- **Wind peak**
  - **5,753 MW**
  - Apr 22, 11:56 p.m.
  - Previous month: 5,497 MW

- **Peak demand served by renewables**
  - **12,685 MW**
  - Apr 30, 5:56 p.m.
  - Previous month: 9,375 MW

- **Peak net imports**
  - **9,591 MW**
  - Apr 1, 10:32 p.m.
  - Previous month: 10,243 MW

---

**Historical statistics and records (as of 5/01/2021)**

- **Solar peak NEW!**
  - **13,151 MW**
  - Apr 13, 2021 at 11:43 a.m.
  - Previous record: 12,913 MW, Mar 31, 2021

- **Wind peak NEW!**
  - **5,753 MW**
  - Apr 22, 2021 at 11:56 p.m.
  - Previous record: 5,567.9 MW, Apr 19, 2021

- **Peak renewables serving load NEW!**
  - **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.

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

- **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 EIM benefits: Q1 2021 Read report

**Benefits**

$101 million

Previous quarter: $68.86 million

ISO avoided curtailments

76,147 MWh

Previous quarter: 39,956 MWh

ISO GHG savings¹

32,591 MTCO₂

Previous quarter: 17,101 MTCO₂

Western EIM benefits since 2014 Visit Western EIM

**Benefits**

$1.28 billion

ISO avoided curtailments

1.4 GWh

ISO GHG savings¹

599,144 MTCO₂

Active participants

14

Future participants

8

Number of states

10

¹ The GHG emission reduction is associated with the avoided curtailment only.

Resources (as of 5/01/2021)

Resource adequacy net qualifying capacity (NQC) = 44,474 MW

Does not include current outages

Wind and solar curtailment totals

For more on oversupply, visit here.
KEY STATISTICS

Installed renewable resources  
(as of 5/01/2021)

![Breakdown of installed renewable resources]

<table>
<thead>
<tr>
<th>Breakdown</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>14,106</td>
</tr>
<tr>
<td>Wind</td>
<td>6,973</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,411</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,213</td>
</tr>
<tr>
<td>Biofuels</td>
<td>822</td>
</tr>
<tr>
<td>TOTAL</td>
<td>24,525</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)
- 20 participating transmission owners
- ~26,000 circuit miles of transmission
- 254 market participants
- RC West is the reliability coordinator for 41 entities across 10 western states and northern Mexico

See previous key statistics