Peaks for August 2021

- **Peak demand**
  - **42,844 MW**
  - August 16, 5:35 p.m.

- **Solar peak**
  - **12,788 MW**
  - August 2, 12:42 p.m.

- **Wind peak**
  - **5,351 MW**
  - August 13, 12:37 a.m.

- **Peak demand served by renewables**
  - **14,329 MW**
  - August 18, 5 p.m.

- **Peak net imports**
  - **10,723 MW**
  - August 6, 6:08 a.m.

Historical statistics and records (as of 9/01/2021)

- **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 27, 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.

- **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: Q2 2021 [Read report]

Benefits
$132.7 million
Previous quarter:
$101 million

ISO avoided curtailments
109,059 MWh
Previous quarter:
76,147 MWh

ISO GHG savings\(^3\)
46,677 MTCO\(_2\)
Previous quarter:
32,591 MTCO\(_2\)

Western EIM benefits since 2014 [Visit Western EIM]

Benefits
$1.42 billion

ISO avoided curtailments
1,509,114 MWh

ISO GHG savings\(^3\)
645,821 MTCO\(_2\)

Active participants
15

Future participants
6

Number of states
10

Resources (as of 9/01/2021)

Resource adequacy net qualifying capacity (NQC) = 47,327 MW
Does not include current outages

Installed storage capacity
1,500 MW
3,000 MW total storage capacity projected by year end

Wind and solar curtailment totals

For more on oversupply, visit here.

\(^3\) The GHG emission reduction is associated with the avoided curtailment only.
Installed renewable resources (as of 9/01/2021)

**Breakdown**

- 57.8% solar
- 28.5% wind
- 5.7% geothermal
- 4.8% small hydro
- 3.3% biofuels

<table>
<thead>
<tr>
<th>Renewable Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>14,376</td>
</tr>
<tr>
<td>Wind</td>
<td>7,088</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,411</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,186</td>
</tr>
<tr>
<td>Biofuels</td>
<td>816</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24,877</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.”

**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 MW·h = 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
- 253 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See previous Key Statistics