Peaks for July 2021

**Peak demand**
- **12,742 MW**
  - July 7, 12:23 p.m.
- **5,107 MW**
  - July 5, 11:49 a.m.
- **18,753 MW**
  - July 5, 11:51 a.m.

**Peak demand served by renewables**
- **10,518 MW**
  - June 24, 5:45 a.m.

**Historical statistics and records (as of 8/01/2021)**

- **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.

- **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\(^1\)
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\(^1\)
645,821 MTCO\(_2\)

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Active participants
15

Future participants
6

Number of states
10

Resources (as of 8/01/2021)

Resource adequacy net qualifying capacity (NQC) = 48,888 MW
Does not include current outages

Wind and solar curtailment totals

For more on oversupply, visit here.

\(^1\) The GHG emission reduction is associated with the avoided curtailment only.
Installed renewable resources (as of 8/01/2021)

### Key Statistics

**Breakdown**

- **57.6% solar**
- **28.6% wind**
- **5.7% geothermal**
- **4.8% small hydro**
- **3.3% biofuels**

### Megawatts

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>14,276</td>
</tr>
<tr>
<td>Wind</td>
<td>7,086</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,411</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,188</td>
</tr>
<tr>
<td>Biofuels</td>
<td>822</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24,783</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
- 253 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

**See previous Key Statistics**