Peaks for June 2020

- **Peak demand** 40,154 MW
  - June 3, 5:51 p.m.
  - Previous month: 37,994 MW

- **Solar peak** 12,016 MW
  - June 29, 12:32 p.m.
  - Previous month: 11,807 MW

- **Wind peak** 5,292 MW
  - June 12, 7:01 p.m.
  - Previous month: 5,065 MW

- **Peak demand served by renewables¹** 14,400 MW
  - June 25, 4:38 p.m.
  - Previous month: 11,301 MW

- **Peak net imports** 10,341 MW
  - June 26, 6:07 a.m.
  - Previous month: 11,366 MW

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**Annual peak demand**

![Graph showing annual peak demand from 2010 to 2019](image)

**Peak demand history**

- **Historical statistics and records (as of 7/01/2020)**

  - **Solar peak** NEW! 12,016 MW
    - June 29, 2020 at 12:32 p.m.
    - Previous record: 11,932 MW, June 17, 2020

  - **Wind peak** 5,309 MW
    - May 8, 2019 at 3:21 a.m.
    - Previous record: 5,193 MW, June 8, 2018

  - **Renewables serving demand** 80.3%
    - May 5, 2019 at 2:45 p.m.
    - Previous record: 78%, April 20, 2019

  - **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** 15,639 MW
    - Jan 1, 2019 at 2:25 p.m.

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¹ This indicates the highest amount of renewables serving peak electricity demand on any given day.
Western EIM benefits: Q1 2020  Read report

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$57.9 million</strong></td>
<td><strong>86,740 MWh</strong></td>
<td><strong>37,125 MTCO₂</strong></td>
</tr>
<tr>
<td>Previous quarter:</td>
<td>Previous quarter:</td>
<td>Previous quarter:</td>
</tr>
<tr>
<td>$60.72 million</td>
<td>35,254 MWh</td>
<td>15,089 MTCO₂</td>
</tr>
</tbody>
</table>

Gross benefits since 2014  Visit Western EIM

<table>
<thead>
<tr>
<th>Benefits</th>
<th>ISO avoided curtailments</th>
<th>ISO GHG savings*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$919.69 million</strong></td>
<td><strong>1,098,890 MWh</strong></td>
<td><strong>470,245 MTCO₂</strong></td>
</tr>
<tr>
<td>Previous quarter:</td>
<td>Previous quarter:</td>
<td>Previous quarter:</td>
</tr>
<tr>
<td></td>
<td>35,254 MWh</td>
<td>15,089 MTCO₂</td>
</tr>
</tbody>
</table>

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

Resources  (as of 7/01/2020)

- Resource adequacy net qualifying capacity (NQC) = **50,133 MW**
- Does not include current outages
- Installed storage capacity **216.14 MW**

Wind and solar curtailment totals

For more on oversupply,  visit here.

<table>
<thead>
<tr>
<th>Month</th>
<th>Megawatt hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>120,000</td>
</tr>
<tr>
<td>Feb</td>
<td>150,000</td>
</tr>
<tr>
<td>Mar</td>
<td>180,000</td>
</tr>
<tr>
<td>Apr</td>
<td>310,000</td>
</tr>
<tr>
<td>May</td>
<td>250,000</td>
</tr>
<tr>
<td>Jun</td>
<td>220,000</td>
</tr>
</tbody>
</table>

June 2020 curtailment: **206,411 MWh**
Installed renewable resources (as of 7/01/2020)

![Breakdown chart showing installed renewable resources]

<table>
<thead>
<tr>
<th>Type</th>
<th>Megawatts</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>12,875</td>
<td></td>
</tr>
<tr>
<td>Wind</td>
<td>6,915</td>
<td></td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,526</td>
<td></td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,274</td>
<td></td>
</tr>
<tr>
<td>Biofuels</td>
<td>858</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>23,448</strong></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE** — Only fully commercial units are counted, not partials or test energy, as reported via the Master Generating File and captured in the Master Control Area Generating Capability List found 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)
- 20 participating transmission owners
- ~26,000 circuit miles of transmission
- 221 market participants
- Western EIM has eleven active participants serving customers in eight states
- RC West is the reliability coordinator for 41 entities across 14 western states and northern Mexico

See previous key statistics