**Peaks for April 2020**

- **Peak demand**
  - 30,732 MW (April 28)
  - Previous month: 28,419 MW

- **Solar peak**
  - 11,392 MW (April 24)
  - Previous month: 10,527 MW

- **Wind peak**
  - 5,200 MW (April 30)
  - Previous month: 4,125 MW

- **Peak demand served by renewables**
  - 6,645 MW (April 28)
  - Previous month: 10,903 MW

- **Peak net imports**
  - 9,844 MW (April 23)
  - Previous month: 10,256 MW

**Historical statistics and records**

- **Solar peak**
  - 11,473 MW
  - July 2 at 12:53 p.m.
  - Previous record: 11,435 MW, July 1, 2019

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

- **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

- **Renewables serving demand**
  - 80.3%
  - May 15, 2019 at 2:45 p.m.
  - Previous record: 78%, April 20, 2019

- **Steepest ramp over 3-hour period**
  - 15,639 MW
  - Jan 1, 2019 at 2:25 p.m.

---

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>$57.9 million</td>
<td>86,740 MWh</td>
<td>37,125 MTCO₂</td>
</tr>
<tr>
<td>Previous quarter: $60.72 million</td>
<td>Previous quarter: 35,254 MWh</td>
<td>Previous quarter: 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>$919.69 million</td>
<td>1,098,890 MWh</td>
<td>470,245 MTCO₂</td>
</tr>
</tbody>
</table>

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

Resources (as of 5/01/2020)

Resource adequacy net qualifying capacity (NQC) = 46,889 MW
Does not include current outages

Wind and solar curtailment totals

For more on oversupply, visit here.

![Bar chart showing Wind and solar curtailment totals]

Apr 2020 curtailment: 318,444 MWh
Installed renewable resources (as of 5/01/2020)

Breakdown

- **54.5%** solar
- **29.1%** wind
- **7.5%** geothermal
- **5.3%** small hydro
- **3.6%** biofuels

### Megawatts

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>12,875</td>
</tr>
<tr>
<td>Wind</td>
<td>6,866</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,779</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,258</td>
</tr>
<tr>
<td>Biofuels</td>
<td>856</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>23,634</strong></td>
</tr>
</tbody>
</table>

*See Today’s Outlook*

**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](https://www.caiso.com) under “Atlas Reference”.

### Other facts

- 32 million consumers
- Serve ~80% of California demand
- Serve ~33% of WECC demand within the ISO balancing authority
- Total estimated wholesale cost of serving demand in 2018 = $10.8 billion or about $50/MWh²
- Total estimated wholesale cost of serving demand in 2017 = $9.4 billion or about $42/MWh²
- 1 MW serves about 750-1,000 homes (1 MWh = 1 million watts used for one hour)
- 18 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*

² Note higher cost mostly due to higher natural gas prices. After normalizing for natural gas prices and greenhouse gas compliance costs, total wholesale energy costs increased by about 4 percent.