Peaks for May 2020

- **Peak demand**
  - **37,994 MW**
  - May 27, 5:55 p.m.
  - Previous month: 30,732 MW

- **Solar peak**
  - **11,807 MW**
  - May 11, 12:37 p.m.
  - Previous month: 11,392 MW

- **Wind peak**
  - **5,065 MW**
  - May 2, 4:27 p.m.
  - Previous month: 5,200 MW

- **Peak demand served by renewables**
  - **11,301 MW**
  - May 27, 5:55 p.m.
  - Previous month: 6,645 MW

- **Peak net imports**
  - **11,366 MW**
  - May 7, 10:17 p.m.
  - Previous month: 9,844 MW

**Annual peak demand**

- **40,000 MW**
- **50,000 MW**

**Peak load history**

**Historical statistics and records (as of 6/25/2020)**

- **Solar peak**
  - **NEW!**
  - **11,932 MW**
  - June 17, 2020 at 12:37 p.m.
  - Previous record:
    - 11,807 MW, May 11, 2020

- **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 6/01/2020)

- Resource adequacy net qualifying capacity (NQC) = 47,307 MW
- Installed storage capacity 152.6 MW

Wind and solar curtailment totals

For more on oversupply, [visit here](#).

May 2020 curtailment: 255,330 MWh

[Graph showing monthly curtailment totals from Jan to May 2020]
**Installed renewable resources (as of 6/01/2020)**

**Breakdown**

- **54.5%** solar
- **29%** wind
- **7.5%** geothermal
- **5.4%** small hydro
- **3.6%** biofuels

<table>
<thead>
<tr>
<th>Breakdown</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>12,875</td>
</tr>
<tr>
<td>Wind</td>
<td>6,851</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,779</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,274</td>
</tr>
<tr>
<td>Biofuels</td>
<td>857</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>23,636</strong></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”.

### 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/MWh\(^2\)
- Total estimated wholesale cost of serving demand in 2017 = $9.4 billion or about $42/MWh\(^2\)
- 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

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\(^2\) 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.