Peaks for June 2022

Peak demand: 41,684 MW
June 27, 5:47 p.m.
Previous month: 34,384 MW

Solar peak: 14,352 MW
June 7, 12:16 p.m.
Previous month: 14,136 MW

Wind peak: 6,233 MW
June 4, 5:57 p.m.
Previous month: 6,465 MW

Peak demand served by renewables: 16,587 MW
June 30, 5:48 p.m.
Previous month: 14,993 MW

Peak net imports: 10,438 MW
June 21, 1:24 a.m.
Previous month: 9,883 MW

Historical statistics and records (as of 06/30/2022)

Solar peak: 14,352 MW
NEW!
June 7, 2022 at 12:16 p.m.
Previous record: 14,136 MW, May 16, 2022

Wind peak: 6,465 MW
May 28, 2022 at 5:39 p.m.
Previous record: 6,265 MW, Mar 4, 2022

Peak percentage of renewables compared to demand: 103.5%
May 8, 2022 at 3:39 p.m.
Previous record: 99.87%, Apr 30, 2022

Peak net imports: 11,894 MW
Sep 21, 2019 at 6:53 p.m.

Peak demand served by renewables: 16,587 MW
June 30, 5:48 p.m.
Previous month: 14,993 MW

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: 17,660 MW
Mar 11, 2022 starting at 2:59 p.m.
Second highest: 17,298 MW, Apr 24, 2022

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 Energy Imbalance Market (WEIM) benefits: Q1 2022

Benefits
$172 million
Previous quarter:
$204 million

ISO avoided curtailments
94,168 MWh
Previous quarter:
38,044 MWh

ISO GHG savings:
40,304 MT CO₂
Previous quarter:
16,283 MT CO₂

WEIM benefits since 2014

Benefits
$2.1 billion

ISO avoided curtailments
1,570,200 MWh

ISO GHG savings:
712,270 MT CO₂

Active participants
19

Future participants
3

Number of states
10

Resources

Resource adequacy net qualifying capacity (NQC) = 50,173 MW
As of 06/30/22. Does not include current outages.

Installed battery capacity:
3,124 MW
As of 7/01/22; subject to change.

Wind and solar curtailment totals

For more on oversupply, visit here.

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

* Includes storage resources that have achieved commercial operation date, and does not include pumped storage.
Installed renewable resources (as of 07/01/2022)

### Breakdown

- **57.7% solar**
- **29.4% wind**
- **5.3% geothermal**
- **4.5% small hydro**
- **3% biofuels**

#### Megawatts

<table>
<thead>
<tr>
<th>Resource</th>
<th>Megawatts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar</td>
<td>15,454</td>
</tr>
<tr>
<td>Wind</td>
<td>7,890</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1,425</td>
</tr>
<tr>
<td>Small hydro</td>
<td>1,197</td>
</tr>
<tr>
<td>Biofuels</td>
<td>801</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>26,767</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 MWh = 1 million watts used for one hour)
- 224.8 million megawatt-hours of load served (2020)
- 70,037 average market transactions per day (2021)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 268 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See previous Key Statistics