Peaks for July 2020

**Peak demand**

41,786 MW  
July 12, 6:37 p.m.  
Previous month: 40,154 MW

**Solar peak**

11,904 MW  
July 1, 12:28 p.m.  
Previous month: 12,016 MW

**Wind peak**

5,101 MW  
July 20, 5:55 p.m.  
Previous month: 5,292 MW

**Peak demand served by renewables**

13,491 MW  
July 8, 5:56 p.m.  
Previous month: 14,400 MW

**Peak net imports**

10,794 MW  
July 1, 5:44 a.m.  
Previous month: 10,341 MW

**Annual peak demand**

Peak load history

**Historical statistics and records (as of 8/01/2020)**

**Solar peak**

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: Q2 2020 Read report

Benefits
$79 million
Previous quarter:
$57.9 million

ISO avoided curtailments
147,514 MWh
Previous quarter:
86,740 MWh

ISO GHG savings*
63,136 MTCO₂
Previous quarter:
37,125 MTCO₂

Gross benefits since 2014 Visit Western EIM

On July 3, benefits reached
$1 billion

ISO avoided curtailments
1.24 million MWh

ISO GHG savings*
533,381 MTCO₂

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

Resources (as of 8/01/2020)

Resource adequacy net qualifying capacity (NQC) = 49,236 MW
Does not include current outages

Installed storage capacity
216.14 MW

Wind and solar curtailment totals

For more on oversupply, visit here.

July 2020 curtailment: 30,867 MWh
Installed renewable resources (as of 8/01/2020)

**Breakdown**
- **55.7%** solar
- **28.8%** wind
- **6.4%** geothermal
- **5.3%** small hydro
- **3.6%** biofuels

**Megawatts**
- **Solar**: 13,383
- **Wind**: 6,977
- **Geothermal**: 1,526
- **Small hydro**: 1,274
- **Biofuels**: 856
- **TOTAL**: 24,016

**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
- 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 11 active participants serving customers in eight states and 10 future participants slated to enter the market by 2022
- RC West is the reliability coordinator for 41 entities across 14 western states and northern Mexico

See previous key statistics