Peaks for August 2020

- **Peak demand** 47,121 MW
  - Aug 18, 3:57 p.m.
  - Previous month: 41,786 MW

- **Solar peak** 11,802 MW
  - Aug 6, 12:48 p.m.
  - Previous month: 11,904 MW

- **Wind peak** 5,065 MW
  - Aug 4, 7:56 p.m.
  - Previous month: 5,101 MW

- **Peak demand served by renewables** 13,932 MW
  - Aug 7, 3 p.m.
  - Previous month: 13,491 MW

- **Peak net imports** 10,455 MW
  - Aug 21, 6:17 a.m.
  - Previous month: 10,794 MW

**Annual peak demand**

- **Peak load history**

**Historical statistics and records (as of 9/01/2020)**

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

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

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

- **Peak demand** 50,270 MW
  - Jul 24, 2006 at 2:44 p.m.
  - Second highest: 50,116 MW, Sep 1, 2017

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

- **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 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

Active participants 11

Future participants 10

Number of states 8

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

Resources (as of 9/01/2020)

Resource adequacy net qualifying capacity (NQC) = 50,874 MW

Does not include current outages

Installed storage capacity 414.14 MW

Wind and solar curtailment totals

For more on oversupply, visit here.

Aug 2020 curtailment: 23,204 MWh
Installed renewable resources (as of 9/01/2020)

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)
- 20 participating transmission owners
- ~26,000 circuit miles of transmission
- 239 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