Peaks for February 2022

**Peak demand**
- **29,228 MW**
  - Feb 23, 6:48 p.m.
  - Previous month: 29,416 MW

**Solar peak**
- **12,536 MW**
  - Feb 25, 9:24 a.m.
  - Previous month: 11,369 MW

**Wind peak**
- **6,178 MW**
  - Feb 15, 12:36 p.m.
  - Previous month: 4,949 MW

**Peak demand served by renewables**
- **7,062 MW**
  - Feb 15, 6:20 p.m.
  - Previous month: 7,178 MW

**Peak net imports**
- **11,465 MW**
  - Feb 10, 5:29 p.m.
  - Previous month: 10,752 MW

### Historical statistics and records (as of 03/01/2022)

**Solar peak**
- **13,205 MW**
  - May 27, 2021 at 11:57 a.m.
  - Previous record: 13,151 MW, Apr 13, 2021

**Wind peak**
- **6,178 MW**
  - Feb 15, 2022 at 12:56 p.m.
  - Previous record: 5,754 MW, May 29, 2021

**Peak renewables serving load**
- **94.5%**
  - Apr 24, 2021 at 2:28 p.m.
  - Previous record: 92.5%, Mar 13, 2021

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

**Steepest ramp over 3-hour period**
- **17,259 MW**
  - Feb 28, 2021 at 3:34 p.m.
  - Second highest: 15,639 MW, Jan 1, 2019

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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: Q4 2021

**Benefits**
- **$204 million**
  - Previous quarter: $301 million

**ISO avoided curtailments**
- **38,044 MWh**
  - Previous quarter: 23,042 MWh

**ISO GHG savings**
- **16,283 MTCO₂**
  - Previous quarter: 9,862 MTCO₂

WEIM benefits since 2014

**Benefits**
- **$1.93 billion**

**ISO avoided curtailments**
- **1,570,200 MWh**

**ISO GHG savings**
- **671,966 MTCO₂**

**Active participants**
- **17**

**Future participants**
- **5**

**Number of states**
- **10**

**Resources (as of 03/01/2022)**

- Resource adequacy net qualifying capacity (NQC) = **43,055 MW**
- Installed battery capacity**
  - **2,345 MW**

Note: The counting methodology for battery capacity has been modified to reflect units online that have reached commercial operation date, and no longer includes those in the commissioning process. This data displays storage resources that have achieved commercial operation as of March 1, 2022.

Wind and solar curtailment totals

For more on oversupply, visit here.

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³ The GHG emission reduction is associated with the avoided curtailment only.

⁴ Does not include pumped storage.
Installed renewable resources (as of 02/28/2022)

- 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)
- 33,617 market transactions per day (2020)
- 21 participating transmission owners
- ~26,000 circuit miles of transmission
- 260 market participants
- RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See previous Key Statistics