Peaks for July 2022

**Peak demand**
- 41,849 MW
  - July 18, 6 p.m.
- Previous month: 41,684 MW

**Solar peak**
- 14,224 MW
  - July 1, 1:02 p.m.
- Previous month: 14,352 MW

**Wind peak**
- 5,661 MW
  - July 3, 5:19 p.m.
- Previous month: 6,233 MW

**Peak demand served by renewables**
- 16,042 MW
  - July 21, 5:58 p.m.
- Previous month: 16,587 MW

**Peak net imports**
- 10,117 MW
  - July 6, 10:32 p.m.
- Previous month: 10,438 MW

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### Historical statistics and records (as of 08/01/2022)

**Solar peak**
- 14,352 MW
  - 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**
- 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

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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: Q2 2022

**Benefits**
- $287.44 million
- Previous quarter: $172 million

**ISO avoided curtailments**
- 118,352 MWh
  - Previous quarter: 94,168 MWh

**ISO GHG savings\(^3\)**
- 50,655 MTCO\(_2\)
  - Previous quarter: 40,304 MTCO\(_2\)

**WEIM benefits since 2014**

**Benefits**
- $2.39 billion

**ISO avoided curtailments**
- 1,782,720 MWh

**ISO GHG savings\(^3\)**
- 762,925 MTCO\(_2\)

**Active participants**
- 19

**Future participants**
- 3

**Number of states**
- 10

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### Resources

**Resource adequacy net qualifying capacity (NQC)** = 51,363 MW

As of 08/01/22. Does not include current outages.

**Installed battery capacity\(^4\)**
- 3,334 MW

As of 8/01/22; subject to change.

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### 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.

\(^4\) Includes storage resources that have achieved commercial operation date, and does not include pumped storage.
Installed renewable resources (as of 08/01/2022)

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
• 269 market participants
• RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See today’s Outlook

See previous Key Statistics