Peaks for November 2022

- Peak demand: 28,556 MW
  - Nov. 28, 6 p.m.
  - Previous month: 34,797 MW

- Solar peak: 11,890 MW
  - Nov. 4, 11:26 a.m.
  - Previous month: 12,617 MW

- Wind peak: 6,180 MW
  - Nov. 28, 12:14 p.m.
  - Previous month: 5,454 MW

- Peak demand served by renewables
  - 6,859 MW
  - Nov. 4, 8:06 a.m.
  - Previous month: 10,278 MW

- Peak net imports
  - 8,419 MW
  - Nov. 23, 1:17 a.m.
  - Previous month: 9,004 MW

Historical statistics and records (as of 12/01/2022)

- 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, March 4, 2022

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

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

- Steepest ramp over 3-hour period
  - 17,660 MW
  - March 11, 2022 starting at 2:59 p.m.
  - Second highest: 17,298 MW, April 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: Q3 2022 Read report

Benefits
$526.5 million
Previous quarter: $287.44 million

ISO avoided curtailments
42,468 MWh
Previous quarter: 118,352 MWh

ISO GHG savings\(^3\)
18,176 MTCO₂
Previous quarter: 50,655 MTCO₂

WEIM benefits since 2014 Visit WEIM website

Benefits
$2.91 billion

ISO avoided curtailments
1,825,188 MWh

ISO GHG savings\(^3\)
781,101 MTCO₂

Resources

Resource adequacy net qualifying capacity (NQC) = 44,707 MW
As of 12/01/22. Does not include current outages.

Installed battery capacity\(^4\)
4,471 MW
As of 11/30/22; subject to change.

Wind and solar curtailment totals
For more on oversupply, visit here.

\(^3\) 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.
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