Peaks for January 2024

- **Peak demand**: 29,012 MW<br>  Jan. 8, 5:58 p.m.<br>  Previous month: 29,261 MW

- **Solar peak**: 14,096 MW<br>  Jan. 29, 1:32 p.m.<br>  Previous month: 13,624 MW

- **Wind peak**: 5,108 MW<br>  Jan. 10, 8:25 p.m.<br>  Previous month: 4,887 MW

- **Peak demand served by renewables**: 14,275 MW<br>  Jan. 9, 8:43 a.m.<br>  Previous month: 14,352 MW

- **Peak net imports**: 7,027 MW<br>  Jan 31, 11:59 p.m.<br>  Previous month: 6,654 MW

### Historical statistics and records (as of 02/13/2024)

- **Solar peak**: 16,056 MW<br>  Sept. 26, 2023 at 11:32 a.m.<br>  Previous record: 16,044 MW, Sept. 6, 2023

- **Wind peak**: 6,465 MW<br>  May 28, 2022 at 5:39 p.m.<br>  Previous record: 6,265 MW, March 4, 2022

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

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

- **Steepest 3-hour average ramp**: 21,153 MWh<br>  Jan 7, 2024 starting at 2:30 p.m.<br>  Second highest: 20,935 MWh, Sept. 24, 2023

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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 2023 [Read report]

Benefits
$391.82 million
Previous quarter:
$462.05 million

ISO avoided curtailments
49,880 MWh
Previous quarter:
60,133 MWh

ISO GHG savings\(^3\)
21,349 MTCO\(_2\)
Previous quarter:
25,728 MTCO\(_2\)

WEIM benefits since 2014 [Visit WEIM website]

Benefits
$5.05 billion

ISO avoided curtailments
2,162,730 MWh

ISO GHG savings\(^3\)
925,568 MTCO\(_2\)

Active participants
22

Future participants
1

Number of states
11

Resources

Resource adequacy net qualifying capacity (NQC) = 47,674 MW
As of 02/01/24. Does not include current outages.

Installed battery capacity\(^4\)
7,261 MW
As of 02/07/24; subject to change.

Wind and solar curtailment totals

For more on oversupply, [visit here](#).

Jan. 2024 curtailment: 101,020 MWh

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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 02/01/2024)

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)
• 239.1 million megawatt-hours of load served (2022)
• 243.1 million megawatts of total electricity delivered (2022)
• 36,689 average market transactions per day (2022)
• 21 participating transmission owners
• ~26,000 circuit miles of transmission
• 308 market participants
• RC West is the reliability coordinator for 42 entities across 10 western states and northern Mexico

See the 2023 Annual Statistics

See previous Key Statistics