Peaks for May 2024

- **Peak demand**: 30,585 MW, May 30, 8:10 p.m.
- **Solar peak**: 18,933 MW, May 13, 11:56 a.m.
- **Wind peak**: 6,322 MW, May 15, 10 p.m.
- **Peak demand served by renewables**: 19,786 MW, May 4, 12:04 p.m.
- **Peak net imports**: 9,081 MW, May 17, 11:43 p.m.

Previous months:
- Peak demand: 27,008 MW
- Solar peak: 18,374 MW
- Wind peak: 5,887 MW
- Peak demand served by renewables: 14,905 MW
- Peak net imports: 8,332 MW

**Historical statistics and records** (as of 06/06/2024)

- **Solar peak**: 18,998 MW, June 12, 2024 at 12:28 p.m.
- **Wind peak**: 6,465 MW, May 28, 2022 at 5:39 p.m.
- **Peak net imports**: 11,894 MW, Sept. 21, 2019 at 6:53 p.m.
- **Peak demand**: 52,061 MW, Sept. 6, 2022 at 4:57 p.m.
- **Steepest 3-hour average ramp**: 21,505 MWh, Feb 10, 2024 starting at 3 p.m.

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.
* This value has been manually validated, and is not what is currently reflected in Today’s Outlook and the ISO Today mobile app.
Western Energy Imbalance Market (WEIM) benefits: Q1 2024

Benefits

$436.30 million

Previous quarter:
$391.82 million

ISO avoided curtailments

60,285 MWh

Previous quarter:
49,880 MWh

ISO GHG savings3

25,802 MTCO₂

Previous quarter:
21,349 MTCO₂

WEIM benefits since 2014

Benefits

$5.49 billion

Active participants

22

Future participants

1

Number of states

11

Resources

Resource adequacy net qualifying capacity (NQC) = 50,456 MW

As of 06/01/24. Does not include current outages.

Installed battery capacity4

9,163 MW

As of 06/01/24; subject to change.

Wind and solar curtailment totals

For more on oversupply, visit here.

May 2024 curtailment:

681,104 MWh

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 06/01/2024)

### Breakdown
- **62%** solar
- **26.4%** wind
- **5.2%** geothermal
- **3.8%** small hydro
- **2.5%** biofuels

### Megawatts
- **Solar**: 19,479
- **Wind**: 8,120
- **Geothermal**: 1,504
- **Small hydro**: 1,166
- **Biofuels**: 778
- **TOTAL**: 31,047

### 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)
- 237.5 million megawatt-hours of load served (2023)
- 245.8 million megawatts of total electricity delivered (2023)
- 37,751 MW average market transactions per day (2023)
- 22 participating transmission owners
- ~26,000 circuit miles of transmission
- 323 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