

KEY STATISTICS

Peaks for December 2021



Peak demand

31,686 MW

Dec 14, 5:53 p.m.

Previous month: 30,463 MW



Solar peak¹

9,832 MW

Dec 1, 1:43 p.m.

Previous month:



Wind peak

4,975 MW

Dec 9, 6:05 p.m.

Previous month:



Peak demand served by renewables^{1,2}

6,089 mw

Dec 9, 5:29 p.m.

Previous month: 5.296 MW



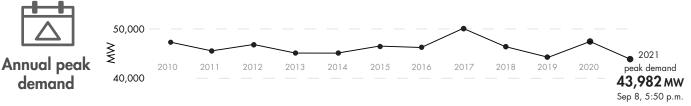
Peak net imports

11,620 MW

Dec 23, 6:13 p.m.

Previous month:

,



Peak load history

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

Solar peak 13,205 MW

May 27, 2021 at 11:57 a.m.

Previous record:

13,151 MW, Apr 13, 2021

── Wind peak

5,754 MW

May 29, 2021 at 10:12 p.m.

Previous record:

5,753 MW, Apr 22, 2021

Peak renewables serving load 94.5%

Apr 24, 2021 at 2:28 p.m.

Previous record:

92.5%, Mar 13, 2021

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



Sep 21, 2019 at 6:53 p.m.

50,270 MW

Peak

Jul 24, 2006 at 2:44 p.m.

Second highest: 50,116 MW, Sep 1, 2017

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.



KEY STATISTICS

Western EIM benefits: Q3 2021 Read report

Benefits

\$301 million

Previous quarter: \$132.7 million

ISO avoided curtailments

23,042 MWh

Previous quarter: 109,059 MWh

ISO GHG savings³

9,862 MTCO₂

Previous quarter: 46,677 MTCO₂

Western EIM benefits since 2014 Visit Western EIM

Benefits

\$1.72 billion

ISO avoided curtailments

1,532,156 MWh

ISO GHG savings³

655,683 MTCO,

Active participants

Future participants

Number of states

Resources (as of 01/01/2022)



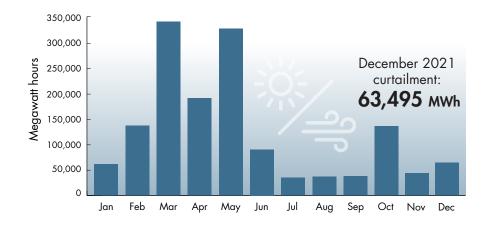
Resource adequacy net qualifying capacity (NQC) = 42,488 MW Does not include current outages



Installed battery capacity⁴ 2,595 MW

Wind and solar curtailment totals

For more on oversupply, visit here.



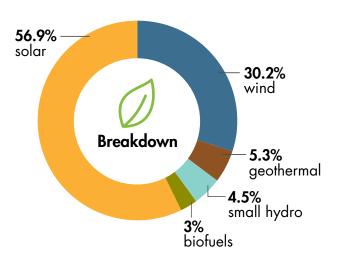
³ The GHG emission reduction is associated with the avoided curtailment only.

⁴ Does not include pumped storage



KEY STATISTICS

Installed renewable resources (as of 01/06/2022)



	Megawatts
🌣 Solar	15,034
⇒ Wind	7,985
# Geothermal	1,411
Small hydro	1,185
♣ Biofuels	799
TOTAL	26,414

See Today's Outlook

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

See previous Key Statistics

Watch for the 2021 Annual Statistics coming soon.