

KFY STATISTICS

Peaks for January 2022



demand¹

29,416 MW

Jan 3, 5:41 p.m.

Previous month: 31,686 MW



Solar peak1

11,369 MW

Jan 30, 2:05 p.m.

Previous month: 9,832 MW



Wind peak1

4,949 mw

Jan 7, 10:57 p.m.

Previous month: 4,975 MW



Peak demand served by renewables^{1,2}

7.178 MW

Jan 14, 5:50 p.m.

Previous month: 6.089 MW

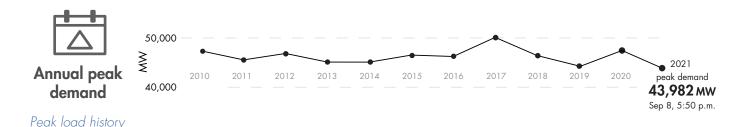


Peak net imports

10.752 MW

Jan 20, 9:34 p.m.

Previous month: 11,620 MW



Historical statistics and records (as of 02/01/2022)

Solar peak 13,205 MW

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

Previous record:

13,151 MW, Apr 13, 2021

net imports

11,894 MW

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

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

Peak 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 17.259 MW

Feb 28, 2021 at 3:34 p.m.

Second highest:

15,639 MW, Jan 1, 2019

Based on 1-minute averages, and includes dynamic transfers. Values are subject to revision as data is refined. Indicates the highest amount of renewables serving peak electricity demand on any given day.



KEY STATISTICS

Western Energy Imbalance Market (WEIM) benefits: Q4 2021 Read report

Benefits

\$204 million

Previous quarter: \$301 million

ISO avoided curtailments

38,044 MWh

Previous quarter: 23.042 MWh

ISO GHG savings³

16,283 MTCO.

Previous quarter: 9,862 MTCO₂

WEIM benefits since 2014 Visit WEIM website

Benefits

\$1.93 billion

ISO avoided curtailments

1,570,200 MWh

ISO GHG savings³

671,966 MTCO₂

Active participants

15

Future participants

7

Number of states

10

Resources (as of 02/01/2022)



Resource adequacy net qualifying capacity (NQC) = 43,022 MW

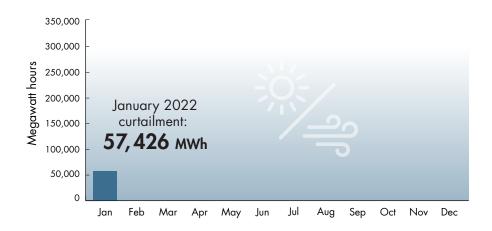
Does not include current outages



Installed battery capacity⁴ **2,607 MW**

Wind and solar curtailment totals

For more on oversupply, visit here.



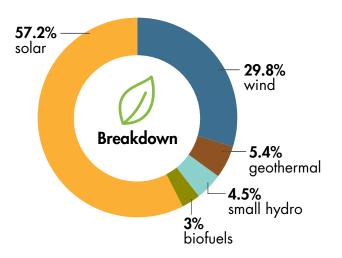
³ The GHG emission reduction is associated with the avoided curtailment only.

⁴ Does not include pumped storage



KEY STATISTICS

Installed renewable resources (as of 02/01/2022)



	Megawans
🌣 Solar	15,034
⇒ Wind	7,844
Geothermal	1,428
Small hydro	1,177
♣ Biofuels	799
TOTAL	26,282

Meaawatts

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."

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

See previous Key Statistics