

KEY STATISTICS

Peaks for October 2021



demand¹

33,244 MW

Oct 1, 5:50 p.m.

Previous month: 43,982 MW



Solar peak1

11.978 MW

Oct 1, 12:52 p.m.

Previous month: 12,789 MW



Wind peak1

4,959 mw

Oct 11, 7:09 p.m.

Previous month: 5.509 MW



Peak demand served by renewables^{1,2}

7.648 MW

Oct 4, 3:57 p.m.

Previous month: 12,371 MW



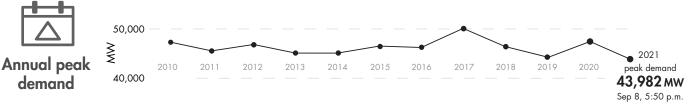
Peak net imports

10,182 MW

Oct 1, 7:19 p.m.

Previous month:

10,286 MW



Peak load history

Historical statistics and records (as of 11/01/2021)

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.

Peak 50,270 mw

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.

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 MTCO₂

Active participants

15

Future participants

7

Number of states

10

Resources (as of 11/01/2021)



Resource adequacy net qualifying capacity (NQC) = 42,019 MW

Does not include current outages

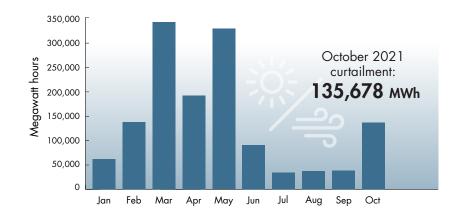


Installed battery capacity⁴ 2,098 MW

3,000 MW total storage capacity projected by year end

Wind and solar curtailment totals

For more on oversupply, visit here.



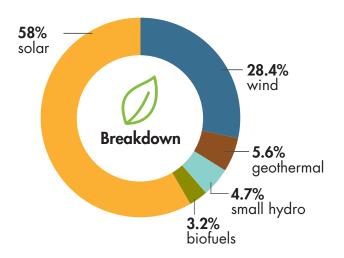
³ The GHG emission reduction is associated with the avoided curtailment only.

⁴ Does not include pumped storage



KEY STATISTICS

Installed renewable resources (as of 11/01/2021)



	Megawans
🌣 Solar	14,731
⇒ Wind	7,214
Geothermal	1,411
Small hydro	1,203
♣ Biofuels	818
TOTAL	25,377

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."

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