

KEY STATISTICS

Peaks for September 2021



demand¹

43,982 MW

Sep 8, 5:50 p.m.

Previous month: 42,844 MW



Solar peak1

12.789 MW

Sep 2, 11:26 a.m.

Previous month: 12,788 MW



Wind peak1

5,509 MW

Sep 27, 4:58 p.m.

Previous month: 5,351 MW



Peak demand served by renewables^{1,2}

12.371 MW

Sep 2, 5:29 p.m.

Previous month: 14,329 MW



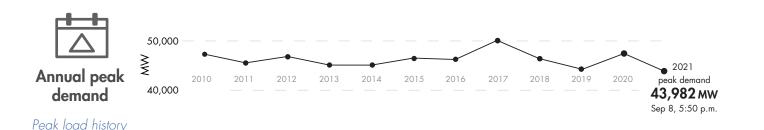
Peak net imports

10,286 mw

Sep 4, 9:03 p.m.

Previous month:

10,723 MW



Historical statistics and records (as of 10/01/2021)

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

net imports 11,894 MW

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 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.



KFY STATISTICS

Western EIM benefits: Q2 2021 Read report

Benefits

\$132.7 million

Previous quarter:

\$101 million

ISO avoided curtailments

109,059 MWh

Previous quarter:

76,147 MWh

ISO GHG savings³

46,677 MTCO,

Previous quarter: 32,591 MTCO₂

Western EIM benefits since 2014 Visit Western EIM

Benefits

\$1.42 billion

ISO avoided curtailments

1,509,114 MWh

ISO GHG savings³

645,821 MTCO,

Active participants

Future participants

Number of states

Resources (as of 10/01/2021)



Resource adequacy net qualifying capacity (NQC) = 44,843 MW Does not include current outages

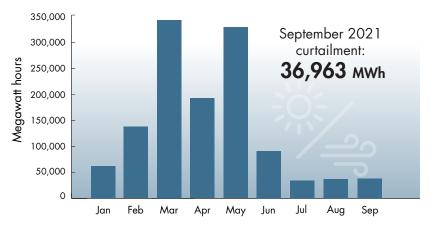


Installed storage capacity 1,915 MW

3,000 MW total storage capacity projected by year end

Wind and solar curtailment totals

For more on oversupply, visit here.

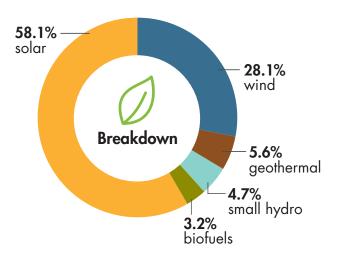


³ The GHG emission reduction is associated with the avoided curtailment only.



KEY STATISTICS

Installed renewable resources (as of 10/01/2021)



	megawans
🌣 Solar	14,631
⇒ Wind	7,075
# Geothermal	1,411
Small hydro	1,187
A Biofuels	818
TOTAL	25,122

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

See previous Key Statistics