

KEY STATISTICS

Peaks for February 2020



Peak demand

29,679 MW

February 4

Previous month: 29,421 MW



Solar peak

10,274 mw

February 26

Previous month: 8,648 MW



Wind peak

4,395 MW

February 9

Previous month: 3,886 MW



Peak demand served by renewables¹

4,611 MW

February 9

Previous month: 5,215 MW



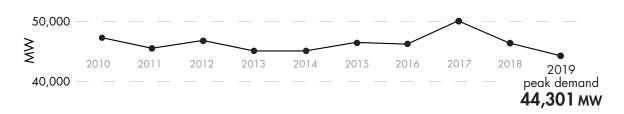
Peak net imports

11.276 MW

February 1

Previous month:





Peak load history

Historical statistics and records

Solar peak 11,473 MW

July 2 at 12:53 p.m.

Previous record:

11,435 MW, July 1, 2019

⇒ Wind peak 5,309 MW

May 8, 2019 at 3:21 a.m.

Previous record:

5,193 MW, June 8, 2018

Renewables serving demand 80.3%

May 15, 2019 at 2:45 p.m.

Previous record:

78%, April 20, 2019

Peak net imports
11,894 MW
Sep 21, 2019 at 6:53 p.m.

Peak demand 50,270 MW
July 24, 2006 at 2:44 p.m.

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

Second highest:

Steepest ramp over 3-hour period 15,639 MW Jan 1, 2019 at 2:25 p.m.

¹ This indicates the highest amount of renewables serving peak electricity demand on any given day.



KEY STATISTICS

Western EIM benefits: Q4 2019 Read report

Benefits

\$60.72 million

Previous quarter:

\$64.81 million

ISO avoided curtailments

35,254 MWh

Previous quarter:

33,843 MWh

ISO GHG savings*

15,089 MTCO,

Previous quarter:

14,485 MTCO₂

Gross benefits since 2014 Visit Western EIM

Benefits

\$861.79 million

ISO avoided curtailments

1,012,150 MWh

ISO GHG savings*

433,120 MTCO₂

^{*} The GHG emission reduction reported is associated with the avoided curtailment only.

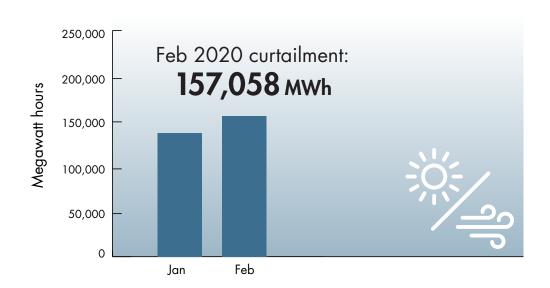


Resources (as of 3/01/2020)

Resource adequacy net qualifying capacity (NQC) = 43,561 MW Does not include current outages

Wind and solar curtailment totals

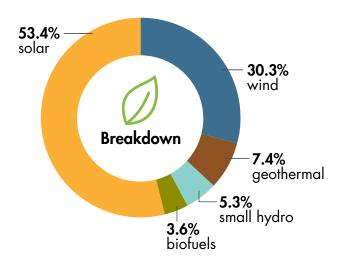
For more on oversupply, visit here.





KEY STATISTICS

Installed renewable resources (as of 3/01/2020)



	3
☆ Solar	12,747
⇒ Wind	7,242
Geothermal	1,773
≋ Small hydro	1,260
♣ Biofuels	862
TOTAL	23,884

Meaawatts

See Today's Outlook

NOTE — Only fully commercial units are counted, not partials or test energy, as reported via the Master Generating File and captured in the Master Control Area Generating Capability List found on <u>OASIS</u> under "Atlas Reference".



Other facts

- 32 million consumers
- Serve ~80% of California demand
- \bullet Serve ~33% of WECC demand within the ISO balancing authority
- Total estimated wholesale cost of serving demand in 2018 = \$10.8 billion or about \$50/MWh²
- Total estimated wholesale cost of serving demand in 2017 = \$9.4 billion or about \$42/MWh²
- 1 MW serves about 750-1,000 homes (1 MWh = 1 million watts used for one hour)
- 18 participating transmission owners
- 25,715 (or about 26,000) circuit miles of transmission
- 221 market participants
- Western EIM has nine active participants serving customers in eight states
- RC West is the reliability coordinator for 41 entities across 14 western states and northern Mexico

See previous key statistics

ISO PUBLIC

Note higher cost mostly due to higher natural gas prices. After normalizing for natural gas prices and greenhouse gas compliance costs, total wholesale energy costs increased by about 4 percent.