

KEY STATISTICS

Peaks for April 2020



Peak demand

30,732 MW

April 28

Previous month: 28,419 MW



Solar peak

11,392 мw

April 24

Previous month: 10,527 MW



Wind peak

5,200 MW

April 30

Previous month: 4,125 MW



Peak demand served by renewables¹

6,645 MW

April 28

Previous month:



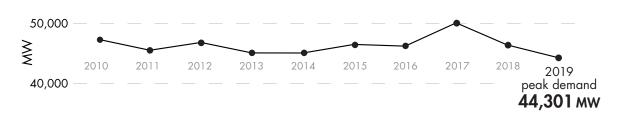
Peak net imports

9,844 MW

April 23

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

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

Steepest ramp over 3-hour period 15,639 MW

Jan 1, 2019 at 2:25 p.m.

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

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



KEY STATISTICS

Western EIM benefits: Q1 2020 Read report

Benefits

\$57.9 million

Previous quarter:

\$60.72 million

ISO avoided curtailments

86,740 MWh

Previous quarter:

35,254 MWh

ISO GHG savings*

37,125 MTCO,

Previous quarter:

15,089 MTCO₂

Gross benefits since 2014 Visit Western EIM

Benefits

\$919.69 million

ISO avoided curtailments

1,098,890 MWh

ISO GHG savings*

470,245 MTCO,

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

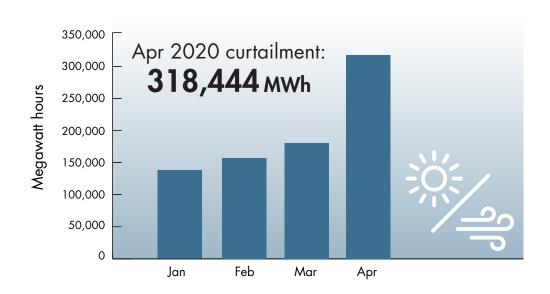


Resources (as of 5/01/2020)

Resource adequacy net qualifying capacity (NQC) = 46,889 MW Does not include current outages

Wind and solar curtailment totals

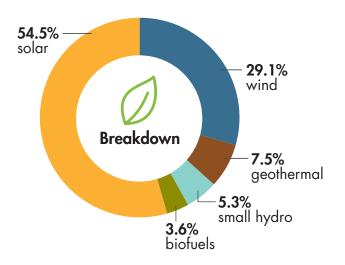
For more on oversupply, visit here.





KEY STATISTICS

Installed renewable resources (as of 5/01/2020)



	mogamans
☆ Solar	12,875
⇒ Wind	6,866
Geothermal	1,779
≋ Small hydro	1,258
♣ Biofuels	856
TOTAL	23,634

Megawatts

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
- ~26,000 circuit miles of transmission
- 221 market participants
- Western EIM has eleven 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

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.