California ISO

KEY STATISTICS

Peaks for May 2020

Peak demand
37,994 MW
May 27, 5:55 p.m.
Previous month:
30,732 MW

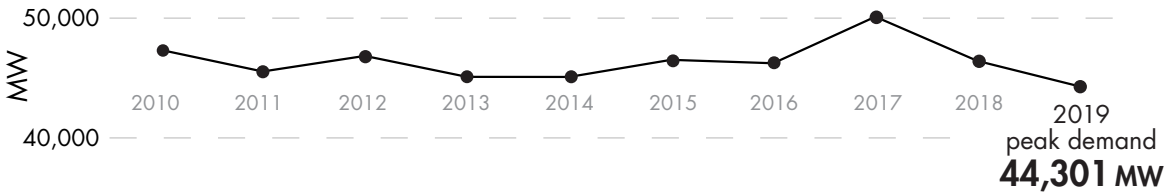
Solar peak
11,807 MW
May 11, 12:37 p.m.
Previous month:
11,392 MW

Wind peak
5,065 MW
May 2, 4:27 p.m.
Previous month:
5,200 MW

Peak demand served by renewables[1]
11,301 MW
May 27, 5:55 p.m.
Previous month:
6,645 MW

Peak net imports
11,366 MW
May 7, 10:17 p.m.
Previous month:
9,844 MW

Annual peak demand



Peak load history

Historical statistics and records *(as of 6/25/2020)*

Solar peak *NEW!*
11,932 MW
June 17, 2020 at 12:37 p.m.
Previous record:
11,807 MW, May 11, 2020

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

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.

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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 $MTCO_2$
Previous quarter:
15,089 $MTCO_2$

Gross benefits since 2014 *Visit Western EIM*

Benefits
$919.69 million

ISO avoided curtailments
1,098,890 MWh

ISO GHG savings*
470,245 $MTCO_2$

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

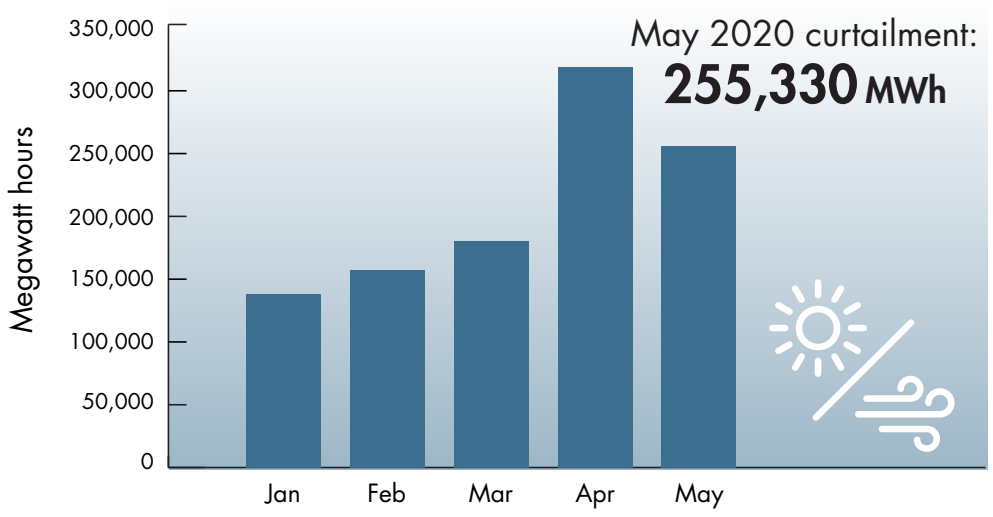
Resources *(as of 6/01/2020)*

Resource adequacy net qualifying capacity (NQC) = 47,307 MW
Does not include current outages

Installed storage capacity
152.6 MW

Wind and solar curtailment totals

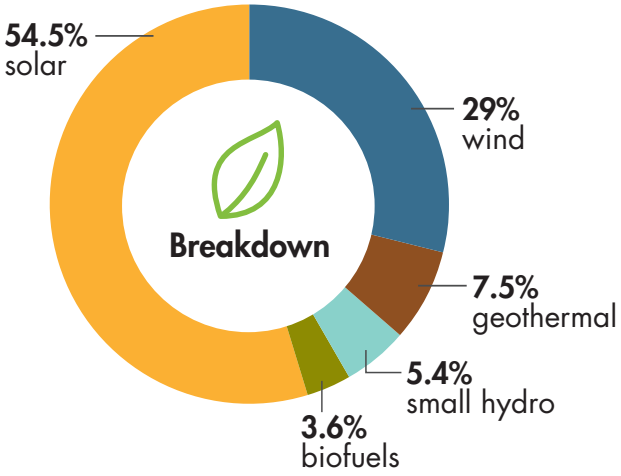
For more on oversupply, visit here.



California ISO

KEY STATISTICS

Installed renewable resources *(as of 6/01/2020)*



	Megawatts
Solar	12,875
Wind	6,851
Geothermal	1,779
Small hydro	1,274
Biofuels	857
TOTAL	**23,636**

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 OASIS under "Atlas Reference".

Other facts

- 32 million consumers
- Serve ~80% of California demand
- 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/MWh[2]
- Total estimated wholesale cost of serving demand in 2017 = $9.4 billion or about $42/MWh[2]
- 1 MW serves about 750-1,000 homes (1 MWh = 1 million watts used for one hour)
- 20 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

[2] 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.