California ISO

KEY STATISTICS

Peaks for March 2019

28,372 MW
Peak demand
March 6
Previous month:
30,073 MW

5,771 MW
Renewables served peak
March 23
Previous month:
5,061 MW

10,852 MW
Solar peak
March 25
Previous month:
10,073 MW

4,469 MW
Wind peak
March 8
Previous month:
4,608 MW

Historical stats & record peaks

10,852 MW
Solar peak **NEW!**
March 25, 2019 at 1:02 P.M.
Previous record:
10,739 MW on June 29, 2018

5,193 MW
Wind peak
June 8, 2018 at 9:04 P.M.
Previous record:
4,985 MW on May 16, 2017

73.9%
Renewables served demand
May 26, 2018 at 2:12 P.M.
Previous record:
72.7% on April 28, 2018

50,270 MW
Peak demand
July 24, 2006 at 2:44 P.M.

Previous peak demands:
50,116 MW on September 1, 2017 at 3:58 p.m.
48,615 MW on August 31, 2007 at 3:27 p.m.

Energy Imbalance Market

EIM

Q4 2018 BENEFITS
$62.57M
TOTAL SAVINGS
$564.88M
since Nov 2014 start

GHG

Q4 2018 AVOIDED CURTAILMENTS
23,425MWh
TOTAL ISO GHG SAVINGS
324,284 mTCO$_2$
from avoided curtailment since Nov 2014

CommPR/4.2019

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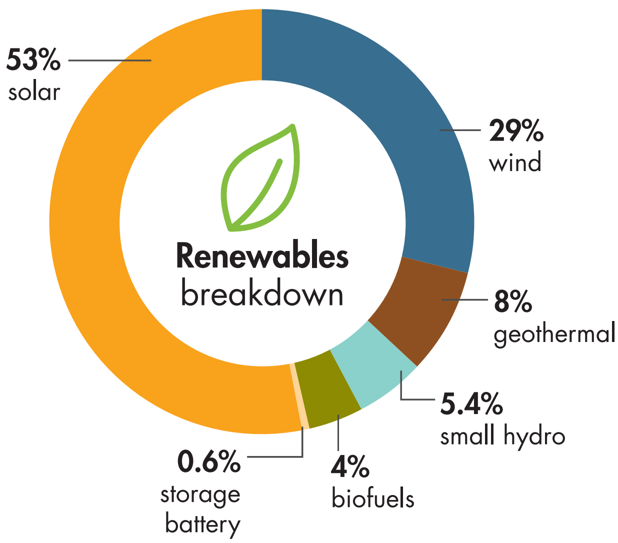
KEY STATISTICS

Demand & resources *(as of 4/01/2019)*

Resource adequacy net qualifying capacity (NQC) = **46,078 MW**
Does not include current outages

Renewable resources *(as of 4/04/2019)*



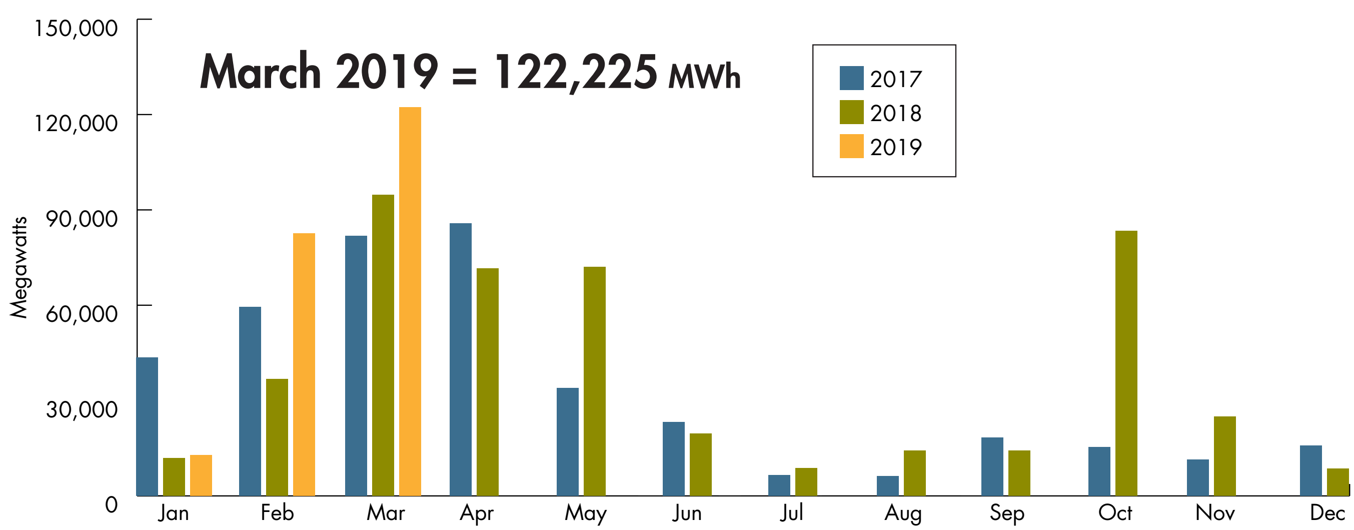
	Megawatts
Solar	11,949
Wind	6,505
Small hydro	1,234
Geothermal	1,785
Biofuels	951
Storage battery*	136
TOTAL	**22,560**

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".

Includes stand-alone and hybrid units.

Key curtailment totals See Managing Oversupply page



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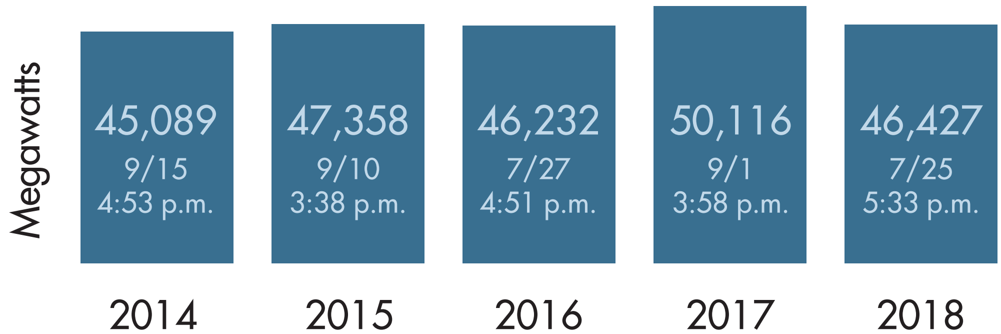
KEY STATISTICS

Annual peak demand



[See full list]

2017 Energy use *as percentage of total resources available*

Natural gas = 28%
Down **5%** from previous year

Net imports = 21%
Down **3%** from previous year

Nuclear = 10%
Slightly less from previous year

Total hydro = 15%
Up **11%** from previous year

Non-hydro renewables = 24%
Up **22%** from previous year

Solar increased 22% and accounted for **11%**

Wind increased 3% and accounted for **6%**

Geothermal = 4%, about the same from previous year

Biofuels = 2%, a slight increase from previous year

Other facts

- 30 million California consumers
- 1 MW serves about 750-1,000 homes
- 25,685 (or about 26,000) circuit miles of transmission
- 9,696 pricing nodes for ISO & all EIM entities as of Apr. 4, 2018. ISO has 4,119 pricing nodes
- Serve ~80% of California demand
- ISO serves ~33% of WECC demand
- 211 market participants
- 17 participating transmission owners
- Market transactions for 2017 = 31,208 (2016 = 29,651) daily average
- MWh of demand served for 2017 = 239 million
- Total estimated wholesale cost of serving demand in 2017 = $9.4 billion or about $42/MWh*
- Total estimated wholesale cost of serving demand in 2016 = $7.4 billion or about $34/MWh
- Western EIM has 9 active participants serving customers in 8 states (as of April 2019)

*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.