

# KEY STATISTICS

## Peaks for August 2021



demand<sup>1</sup>

42,844 MW

August 16, 5:35 p.m.

Previous month: 43,339 MW



Solar peak1

12.788 MW

August 2, 12:42 p.m. August 13, 12:37 a.m.

Previous month: 12,742 MW



Wind peak1

5.351 MW

Previous month: 5.107 MW



Peak demand served by renewables<sup>1,2</sup>

14,329 MW

August 18, 5 p.m.

Previous month: 13,800 MW



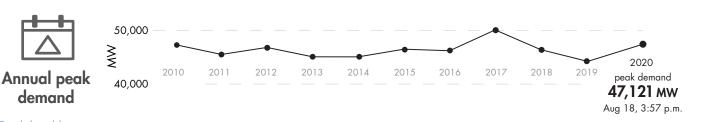
Peak net imports

10.723 MW

August 6, 6:08 a.m.

Previous month:

10,518 MW



Peak load history

#### Historical statistics and records (as of 9/01/2021)

Solar peak 13,205 MW May 27, 2021 at 11:57 a.m.

Previous record:

13,151 MW, Apr 13, 2021

net imports 11,894 MW

Sep 21, 2019 at 6:53 p.m.

⇒ Wind peak 5,754 mw

May 27, 2021 at 10:12 p.m.

Previous record: 5,753 MW, Apr 22, 2021

> Peak 50,270 mw

Jul 24, 2006 at 2:44 p.m.

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

ISO PUBLIC

Peak renewables serving load 94.5%

Apr 24, 2021 at 2:28 p.m.

Previous record: 92.5%, Mar 13, 2021

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

> CommPR/9.2021 © 2021 California ISO

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.



## KEY 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 savings<sup>3</sup>

**46,677** MTCO,

**Previous quarter:** 32,591 MTCO<sub>2</sub>

Western EIM benefits since 2014 Visit Western EIM

**Benefits** 

\$1.42 billion

ISO avoided curtailments

1,509,114 MWh

ISO GHG savings<sup>3</sup>

**645,821** MTCO,

**Active participants** 

**Future participants** 

**Number of states** 

**Resources** (as of 9/01/2021)



Resource adequacy net qualifying capacity (NQC) = 47,327 MW Does not include current outages

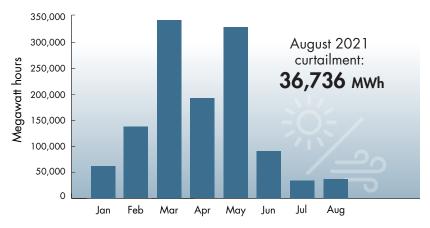


Installed storage capacity 1,500 MW

3,000 MW total storage capacity projected by year end

#### Wind and solar curtailment totals

For more on oversupply, visit here.

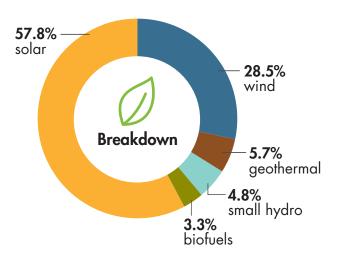


<sup>&</sup>lt;sup>3</sup> The GHG emission reduction is associated with the avoided curtailment only.



## KEY STATISTICS

## Installed renewable resources (as of 9/01/2021)



|             | Megawans |
|-------------|----------|
| 🌣 Solar     | 14,376   |
| ⇒ Wind      | 7,088    |
| Geothermal  | 1,411    |
| Small hydro | 1,186    |
| ♣ Biofuels  | 816      |
| TOTAL       | 24,877   |

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."

# Oth

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

See previous Key Statistics