Today’s Outlook: Resource Adequacy
Capacity Trends

Review and Q&A

August 24, 2021

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Agenda

*We will cover the following:*

- New sub navigation
- Resource Adequacy Trend
- 7-Day Resource Adequacy Trend
- Q&A
- Wrap Up
Why the change?

The intent of the new graphs are to provide a fuller picture of contracted capacity on the system. When demand rises above that capacity, we rely on the market for added supply.
New sub navigation

**Today's Outlook**

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<th>Current</th>
<th>Demand trend</th>
<th>Net demand trend</th>
<th>Resource adequacy trend</th>
<th>7-day resource adequacy trend</th>
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</thead>
</table>

**Resource adequacy capacity trend**

Resource adequacy (RA) is energy designated by the state to be bid into the market for the reliable operation of the power grid. Any energy needed over that designated amount has to be procured in the real-time market.

![Resource adequacy trend chart](chart.png)
Resource adequacy capacity trend

Resource adequacy (RA) is energy designated by the state to be bid into the market for the reliable operation of the power grid, minus the impacts of outage derates. Any energy needed over that designated amount has to be procured in the real-time market.

*Note: Values for the 7th day of the day-ahead forecasts will complete by 9:30 PT.*
All graphs include an information icon in the top right corner.

Resource adequacy capacity trend

Resource adequacy (RA) is energy designated by the state to be bid into the market for the reliable operation of the power grid, minus the impacts of outage derates. Any energy needed over that designated amount has to be procured in the real-time market.

Available RA capacity
1-HOUR INTERVAL
RA is energy designated by the state to be bid into the market for the reliable operation of the power grid, minus the impacts of outage derates.

Available net RA capacity
1-HOUR INTERVAL
RA capacity minus energy from wind and solar RA resources.

RA credits
Local regulatory authority credits against the RA obligation for its load serving entities.
Available RA capacity
1-HOUR INTERVAL
RA is energy designated by the state to be bid into the market for the reliable operation of the power grid, minus the demand.

Demand
5-MINUTE AVERAGE
The amount of energy that is needed on the grid.

Day-ahead forecast
1-HOUR AVERAGE
Energy expected to be needed during the day, based on historical system loads and temperatures.

Day-ahead net forecast
1-HOUR AVERAGE
Energy expected to be needed during the day minus wind and solar, based on historical system loads and temperatures.

Reserve requirement for day-ahead
1-HOUR INTERVAL
1.5% of load for estimated regulation reserve plus 6% of load for estimated contingency reserves.
Highlight reserve requirement
Highlight RA credits

Available RA capacity: 54,758
Available net RA capacity: 41,951
RA credits: 1,861
Demand: 30,406
Net demand: 16,976
Reserve req.: 2,329
Day-ahead forecast: 30,432
Day-ahead net forecast: 15,616
Reserve req. for day-ahead: 2,407

Note: Values for the 7th day of the day-ahead forecasts will complete by 9:30 PT.
### TODAY'S OUTLOOK

#### DEMAND

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#### 7-DAY RESOURCE ADEQUACY CAPACITY TREND

Resource adequacy capacity forecast for the next 7 days, in megawatts, compared to demand forecast plus reserve requirements.

*Note: The 7th day of the day-ahead forecasts will not be complete till 9:30 PT.*

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Q&A
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