![California ISO logo]

News Release

California ISO launches expanded online data resource
Today's Outlook now offers easy access to data on electric grid and markets

FOLSOM, Calif. – The California Independent System Operator (ISO) today unveiled a major overhaul of its most-visited public web page, providing a central location for accessing key data. The redesign is reflective of an organizational commitment to boost transparency and awareness of the electric grid and power markets.

The refreshed Today's Outlook page on the ISO website will allow viewers to quickly see changing patterns of supply and demand, forecasted and actual peaks, energy supplies by resource type, and renewable energy production. The updated net load graph depicts daily system ramps reflecting changes to the power supply system, as it becomes more dominated by clean energy sources.

"The improved design of Today's Outlook represents our commitment to providing data to the public and serving as a technical resource during this historic clean energy transformation," said Steve Berberich, president and CEO of the ISO. "With nearly 200,000 visitors to the page a year, we know that this fills a crucial need for system data, in a convenient, user-friendly format."
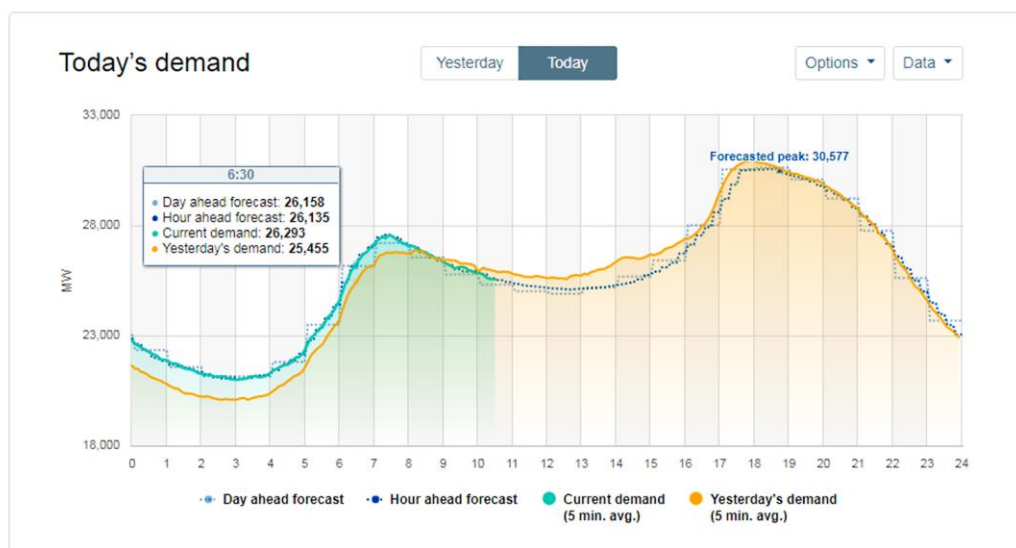
The data is pulled from multiple ISO platforms, and is automatically updated every five minutes. The page has a link for easy access to the ISO's Open Access Same-time Information System (OASIS), where real-time market and system data is stored.

Users can access the Today's Outlook page directly from the home page at www.caiso.com. Visitors will see a snapshot of grid status, current and forecasted demand, and capacity. Hovering over charts allows added granularity. Users have the option of downloading data from many of the graphs.

The Grid Status area informs viewers of any Alerts, Warnings and Emergency notifications during times of stress on the grid, including Flex Alerts, which are calls for voluntary conservation measures.

On the Demand page, users can view:
- Capacity status, including current demand and forecasted peak demand, compared to the electricity capacity available to the ISO.
- Current and previous day-ahead and hour-ahead demand forecasts on an interactive line graph. The graph has a hover function to view the number of megawatts used in 5-minute intervals, compared to the previous day's load.
- Net demand, which is calculated by subtracting solar and wind output from the total demand. The graph shows the rapid ramp of electricity need as demand increases later in the day, and solar production drops. This number explains how the ISO meets demand while managing the quickly changing ramp rates of variable energy resources, such as solar and wind.

By clicking on the Supply tab, viewers can see:
- An overview of current renewable output, including solar and wind production.
- A graph of the real-time supply, with the percentage of renewables, natural gas, large hydropower, imports, nuclear, coal, and other resources meeting demand.
- A graph giving a more granular look at renewables, including solar, wind, geothermal, biogas, biomass, small hydropower, and batteries, serving current demand.
- Renewables during the current and previous days, displayed in a line graph showing a 24-hour view of the production of different renewable resources.
- Megawatts of energy in battery storage. As storage technologies advance, the graph will measure the grid's incorporation of storage in its power mix, and the role of storage in promoting clean energy.
- Import data, showing the scheduling of generation from outside the ISO balancing authority.

By clicking the Price tab, the user can see a robust map of the ISO footprint, with locational marginal prices at each node in the balancing authority and the western Energy Imbalance Market (EIM). The prices can be viewed in the day-ahead, the 15-minute and real-time markets. Click here to visit the ISO's new Today's Outlook page.

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