



AURORA

BY ENERGY EXEMPLAR

Because Knowledge is Power

To make the best decisions, you need the best information. No other forecasting and analysis software has the power, speed and trust that Aurora has. No other tool on the market is as accurate, efficient or user-friendly. From wind and solar modeling, storage integration and long-term expansion to nodal FTR analysis and ancillary services, Aurora empowers you to succeed.

INTRODUCING **AURORA**

- A Single Solution for Forecasting, Modeling and Analysis
- Unparalleled Speed
- World-Class Customer Support

WHAT **AURORA** DOES

- Forecasting
- Risk and Uncertainty Analysis
- Long-term Capacity Expansion (LTCE) Modeling
- Wind, Solar and Hydro Modeling
- Storage Integration
- Resource Valuation and Net Power Costs
- Fast nodal/LMP and SCUC Analysis
- Ancillary Services

WHAT'S NEW IN **AURORA**

Aurora continues to raise the bar for the standard of power market modeling. This version introduces new functionalities like:

- Custom Constraints - Add user-defined linear constraints to the optimization problem that solves the dispatch (LP) and commitment (MIP). Use two new input tables, Custom Constraint & Custom Constraint Matrix, to setup the constraint bounds, relaxation properties, & variables. It is used to apply custom limits based on various parameters such as resource capacity or generation, zone demand, net flows, or fuel usage.
- Long-Term Studies - Three new LT options including: allow partial capacity builds; provide additional, sub-optimal solutions; and define the Dynamic Peak Credit using more hours.
- Nodal Capability - New method for modelling DC lines.
- Resource Parameters - Options like a monthly generation limit for storage units, a minimum ancillary contribution requirement, energy constraint factors, and defining when a pre-solved commitment file is no longer used.
- User Experience Enhancements - Easily add blank input tables, view/edit data using a new Excel-like data bar, updated Help interface, a single form for loading archives, and more charting enhancements.

The accuracy and flexibility combined with Aurora's speed and granularity help provide robust and comprehensive results that meet and exceed our clients' expectations.

— Rob Jennings, Analyst

We view Aurora as an 'essential element' of our modeling and analysis.

— Manager, Avista Utilities

We really love Aurora. I've modeled for 20 years and used all of the tools on the market and this is top-of-class in terms of modeling capability and ease of use.

— Manager, Portfolio Analysis Leading U.S. Power Company

Fast. Trusted. Powerful