

September 2024 (Updated: January 2025)



Additional Details

idahopower.com/irp

Our 20-Year Plan

Home > Energy and the Environment > Energy

Current Projects Idaho
Oregon Distribution System Plan comp
Our 20-Year Plan best in plan in proces

Educational Resources Plans Idaho
Huston to Gem Idaho
Energy

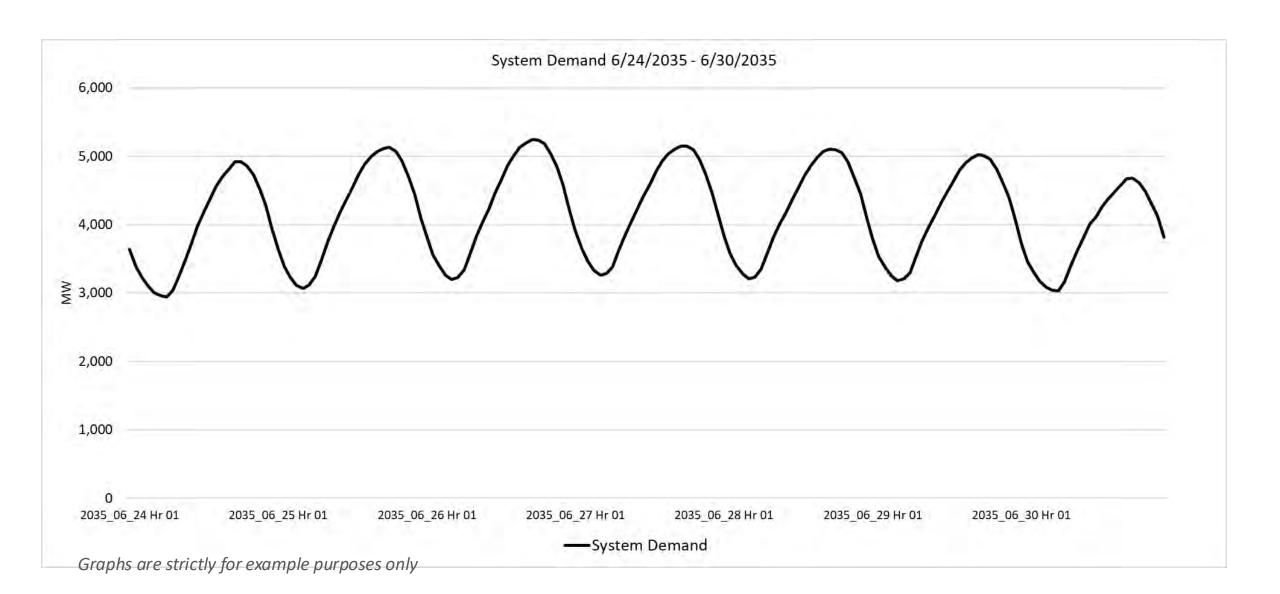
Idaho
Liping Idaho
Id

Video: AURORA Model Overview

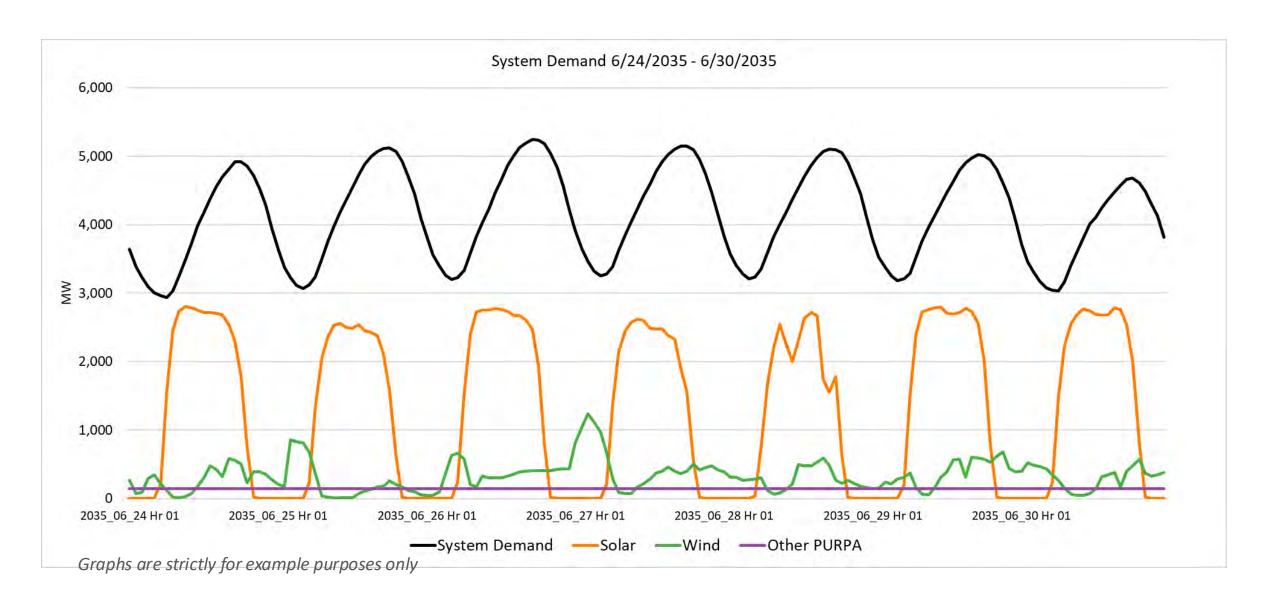




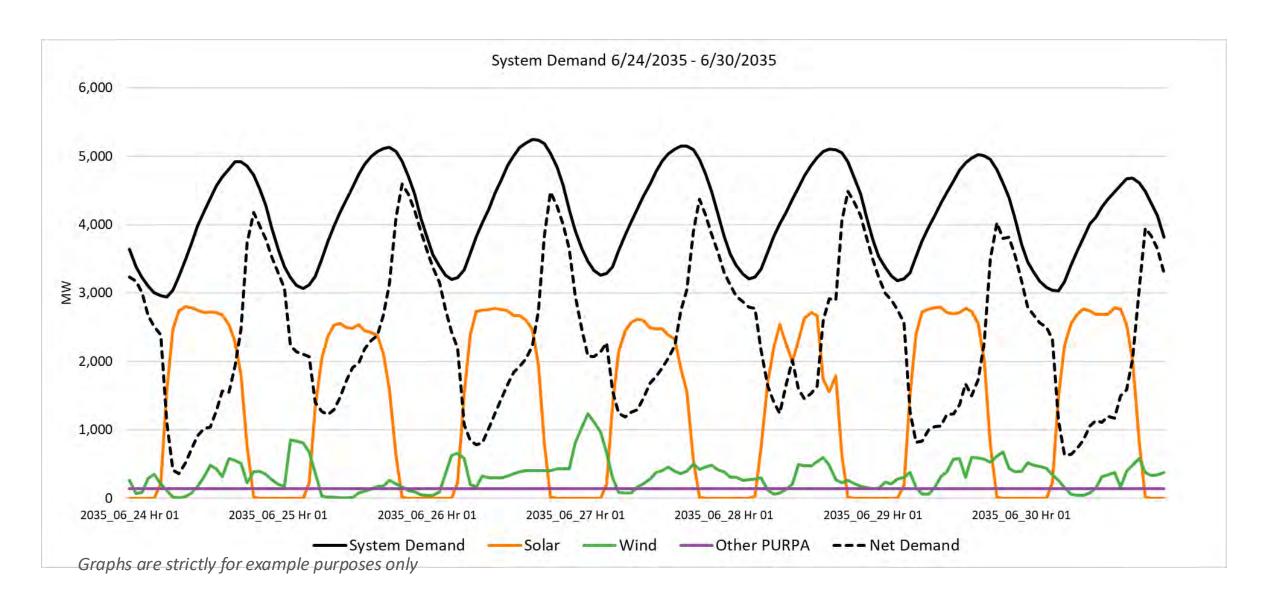




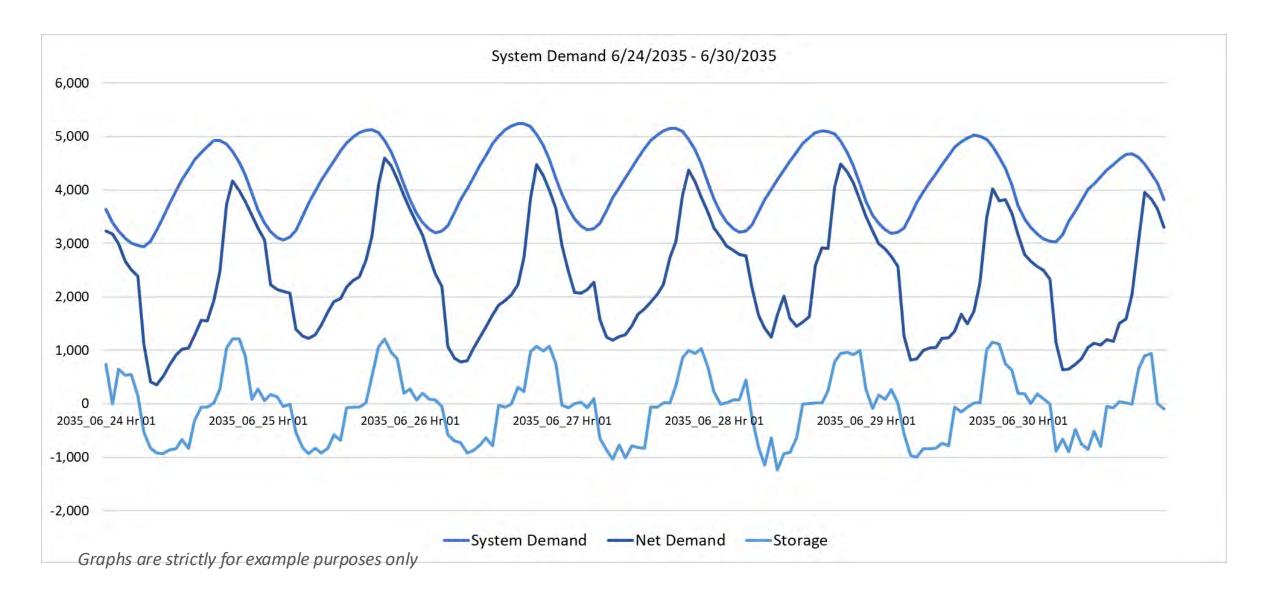




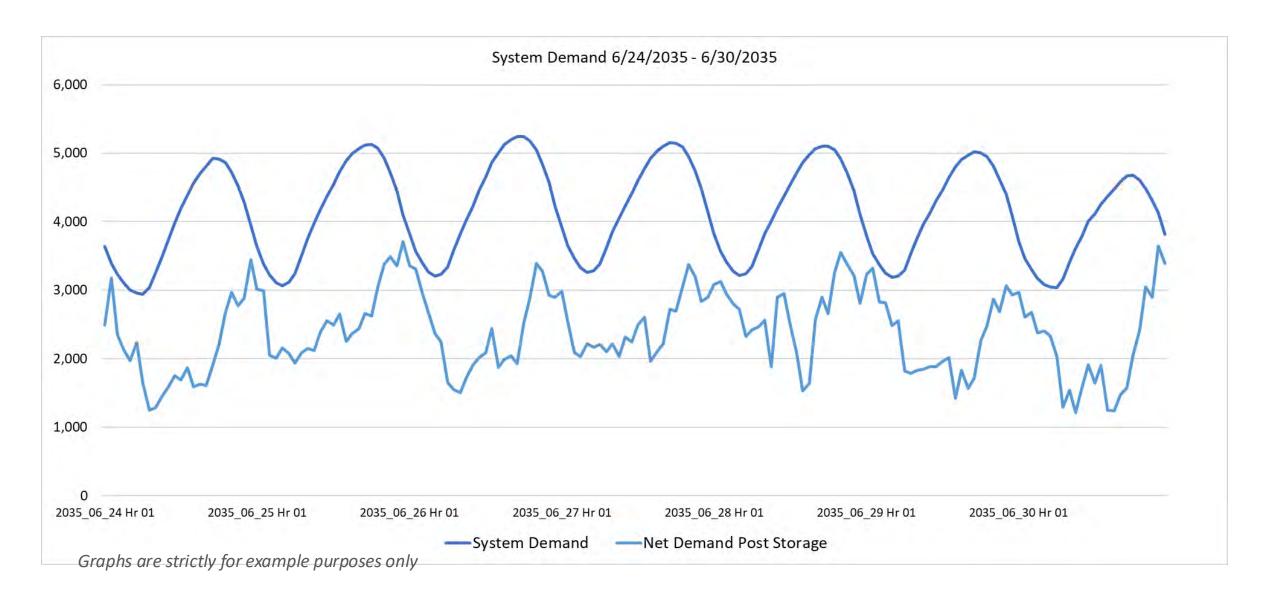




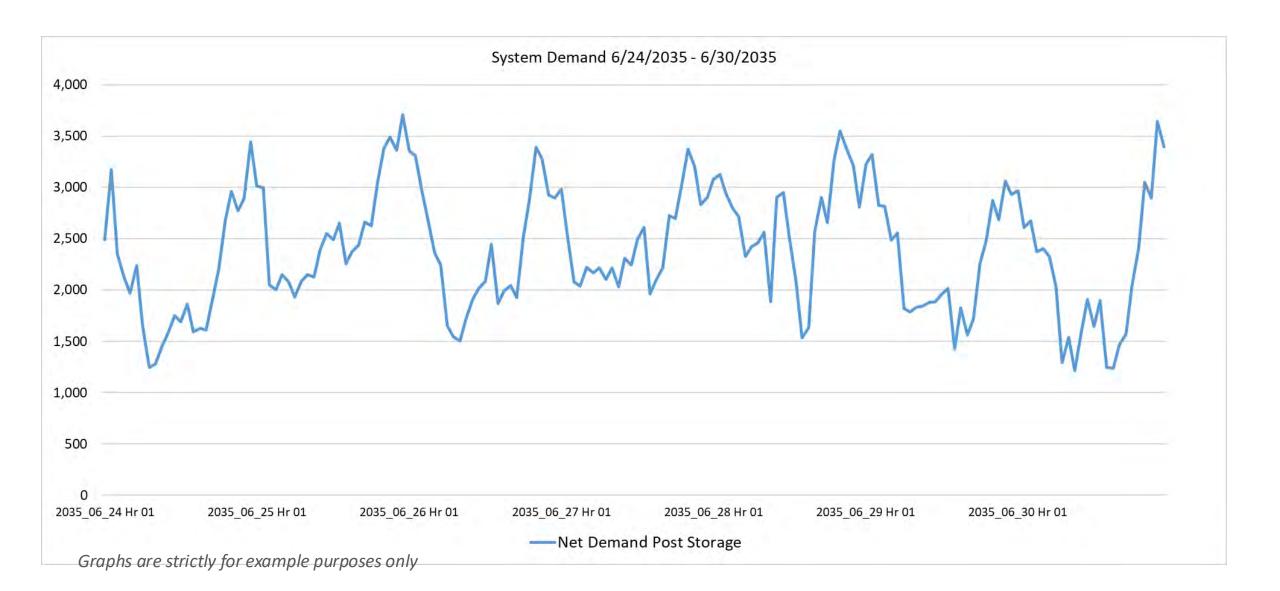




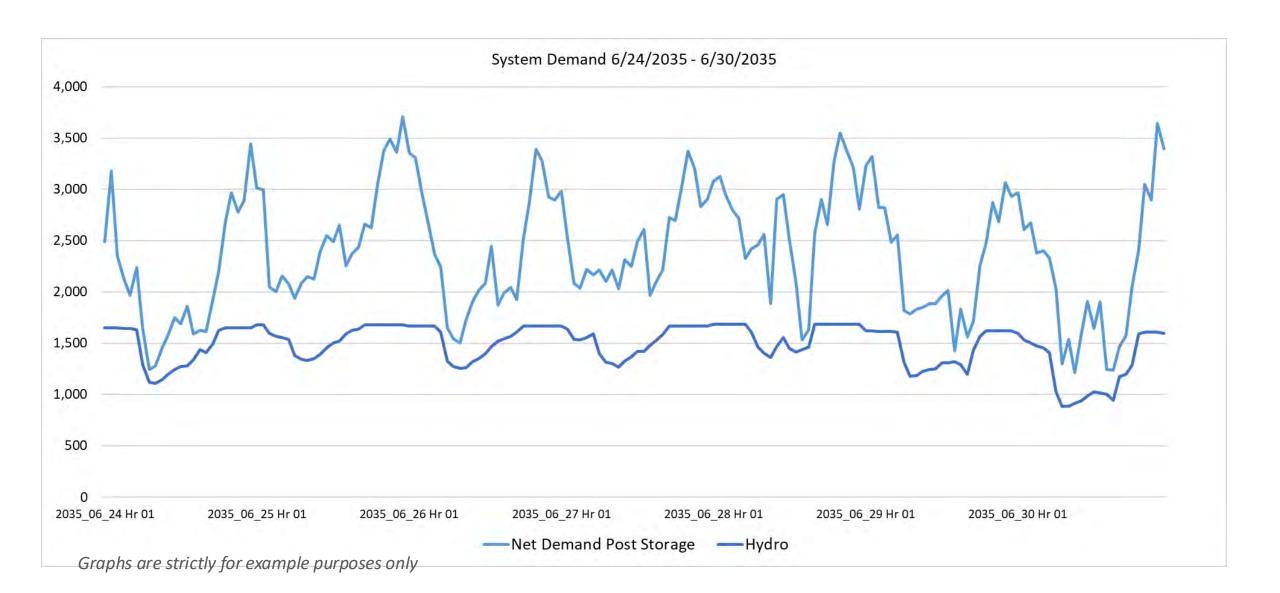




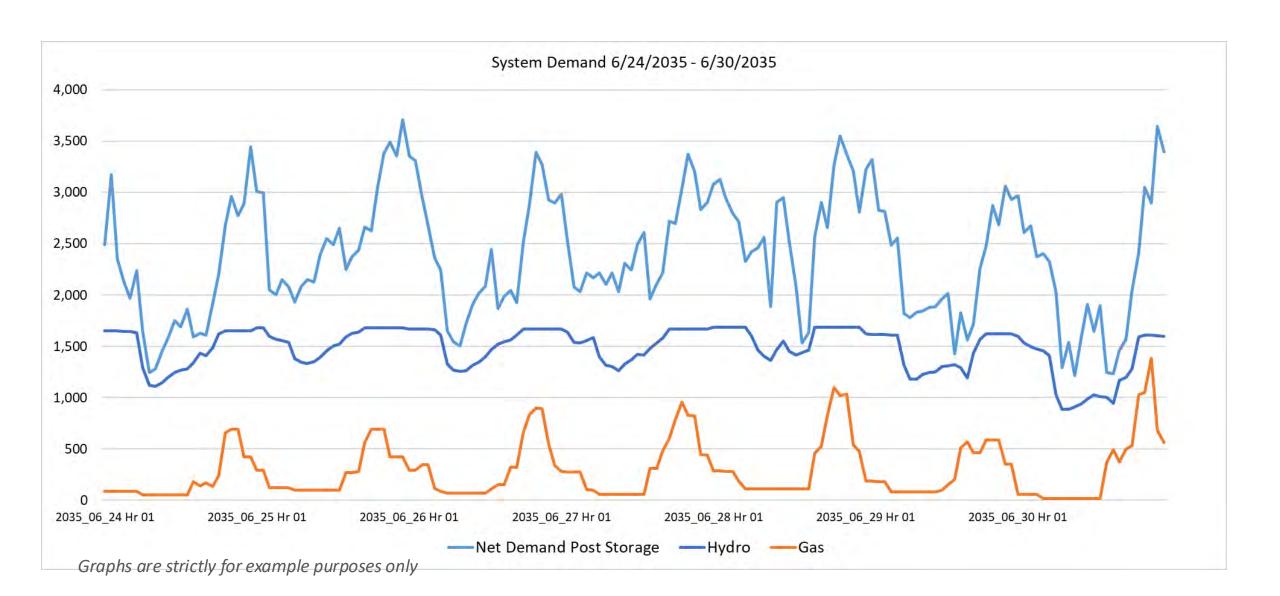




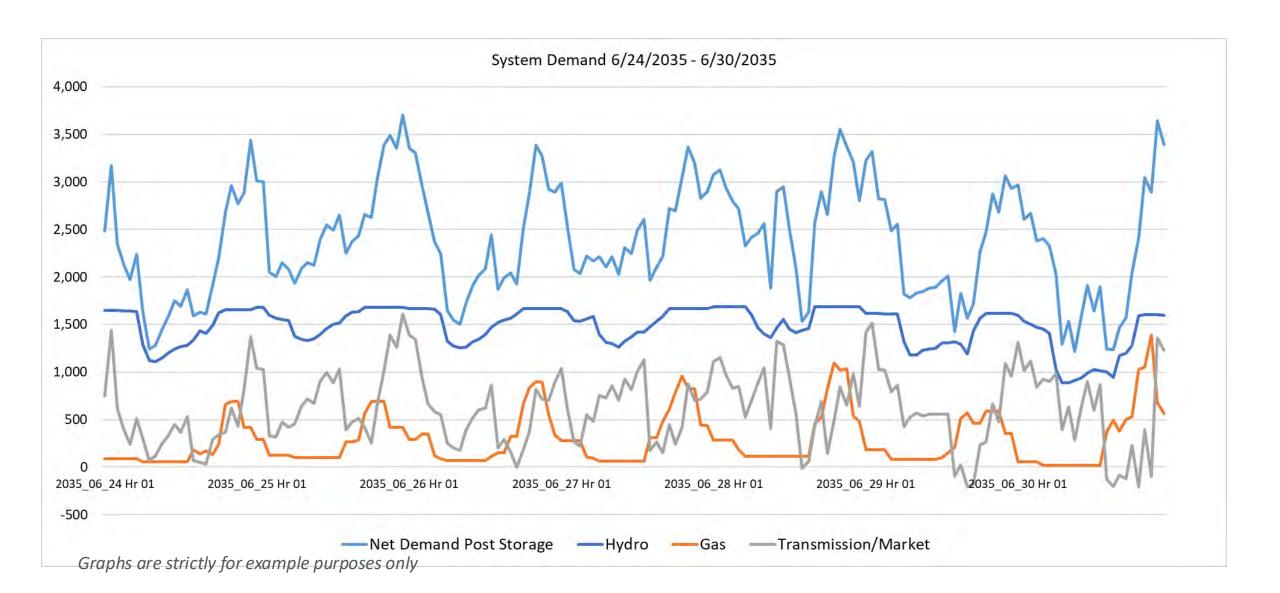




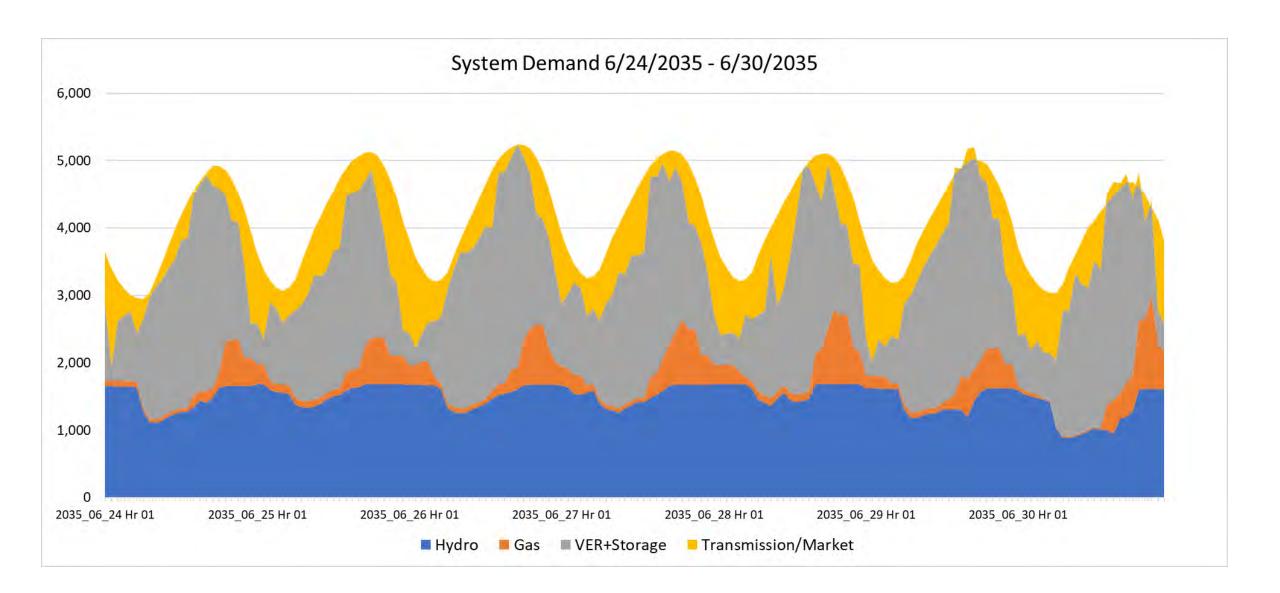




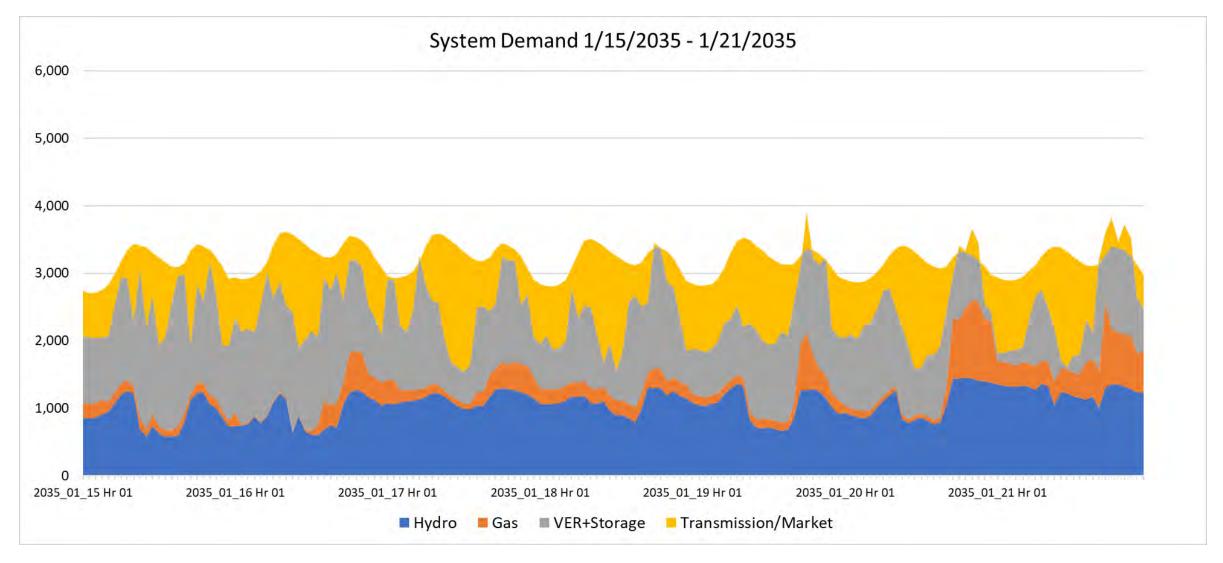




SIDAHO POWER®



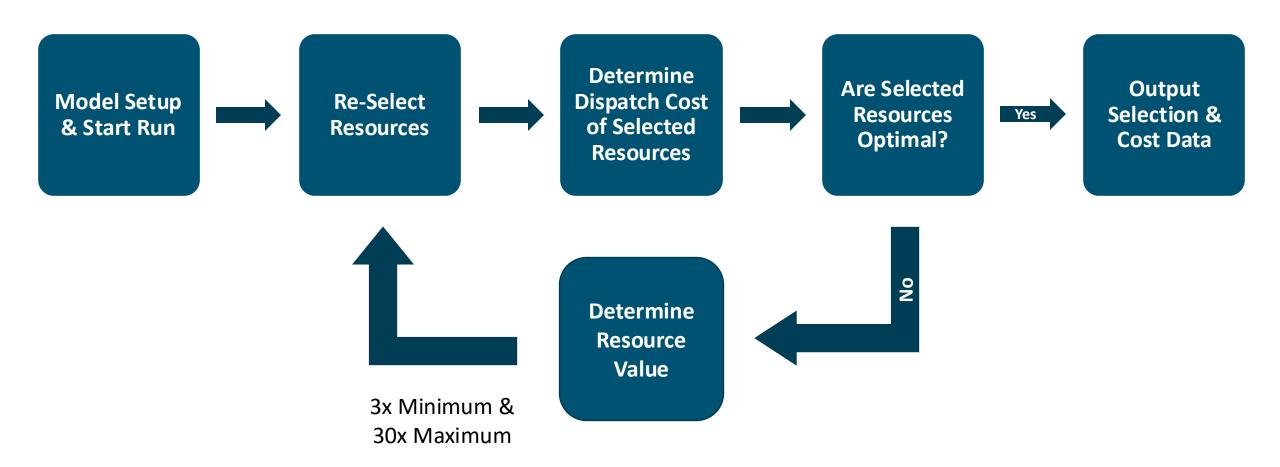








Aurora LTCE Flow







Resource\Iteration
4hr
8hr
100hr
DR
EE
SCCT_NG
CCCT_NG
SCCT_H2
SMR
Pumped_Storage
Wind
Solar
Biomass
Geothermal

Numbers in table are strictly for example purposes only & not representative of any particular portfolio



What is Aurora Optimizing in English?

Minimizing System Cost on an NPV Basis

- Generation
 - Fixed Costs
 - Dispatch Cost
 - ✓ Variable O&M
 - ✓ Fuel
 - √ Starts
 - ✓ Storage Round Trip Losses
- Transmission
 - Wheeling & Losses
 - Fixed Costs

Subject to the Following Constraints

- Load = (Generation Losses) in All Hours
- Generator Characteristics
 - Min/Max Capacity, Flexibility, Forced Outage, Fuel Limits, Emissions, etc.
- Transmission Capacities
- Reliability & Ancillary Services
- Resource Selection Limits