



# Genesis

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## Purchase Logic Summary

# Genesys Dispatch

- For each **Period** (14)
- For each **Window**
  - Previously used 2 day window
  - Now have option of Mon-Sun windows
- For each **Day**
- For each **Hour**

# Purchase Ahead Option A

- **Period** > if deficit, the amount of deficit for the period
- **Window** > if still deficit, the amount of deficit for the window
- **Day** > if still deficit, the amount of deficit for the day
- **Hour** > spot market purchases only

# Purchase Ahead Resources

- Total amount of purchases, including spot market, limited by **intertie** capability (currently using 3400 MW)
- **Hourly** availability is user defined (currently using offpeak hours 1-6 and 23-24)

# Purchase Ahead Option B

- Idea is to **swap heat rates** of thermal plants
- Total MW of thermal resources **more expensive** than that specified by the user is allowed to be “swapped”
- **Purchase ahead** for the amount of the deficit plus the amount of swappable MWs

# Purchase Ahead Option B

- **Period** > any deficit plus the swappable MW in the period dispatch
- **Window** > any deficit plus swappable MW in the window dispatch
- **Day** > any deficit plus the swappable MW in the day dispatch
- **Hour** > spot market purchases only
- Limited by intertie capability and user defined hours