

PJM Real-Time Energy Market

PJM State & Member Training Dept.

Objectives




Students will be able to:

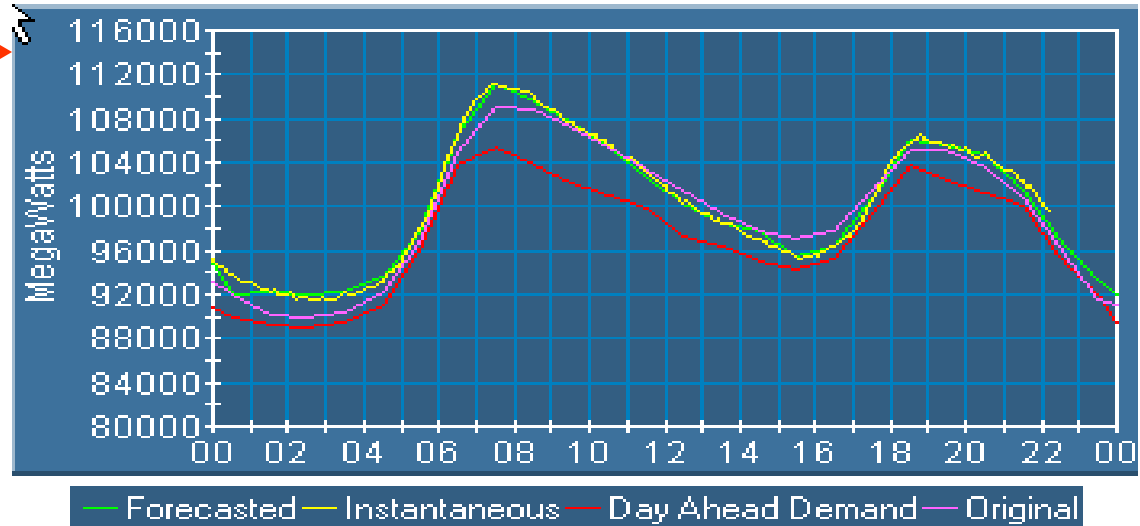
- Identify the process and procedures for participating in the Real-Time Energy Market

Reliability Analysis

- Second commitment to ensure that there is enough generation to meet the real-time load forecast
- Day-Ahead results are posted at 13:30
- Rebid period is 13:30-14:15
- Gives units not picked up in day ahead the opportunity to change their offers/parameters
- Reliability Analysis begins at 14:15
- Committed units will be notified by phone

Reliability Analysis (RA)

- Re-bid period closes at 14:15
- For the RA, focus is reliability
- Analysis includes: 
 - Updated offers
 - Unit availabilities
 - PJM load forecast
 - DASR Objectives



Timelines

- Unit hourly updates may be changed during the operating day for the current hour or future hours
 - Any changes that are made during the current hour will be prorated to reflect the change only for the remainder of the hour
 - Any changes that are made for future hours in the current operating day will be fully reflected for that hour
 - Any changes that are made for future hours in the next operating day (changes must be made prior to 10:30 the previous day) will be considered in the Day Ahead Market

Unit Hourly Updates

- The Unit Hourly Updates page is used to submit real-time changes to unit statuses and MW operating limits
- Changes made to the unit data using the Unit Hourly Updates web page supersede all schedule data (Schedule Detail web page), weather curve data (Unit Detail web page), and unit limits (Unit Detail web page)



Unit Hourly Updates – Commit Status

- Economic - Unit is available and offered into the market for PJM to schedule
- Must Run - Indicates that the generating unit is self-scheduling
 - Unit MUST be committed
 - The unit is committed at economic min and allowed to move up to Economic Max
 - **Note:** To fix output, make economic min and max the same value
- Emergency - Entire unit is placed in “Max Emergency” category and will not be scheduled unless PJM calls for max emergency generation
- Unavailable - Unit is out of service and will not be scheduled
 - **Note:** Must have a corresponding outage ticket in eDART if a capacity resource

Unit Hourly Updates – Fixed Gen and Notification Time

- **Fixed Gen** - This field should be set to yes if a generation resource intends to remain “fixed” or otherwise not follow PJM real-time dispatch
 - The field is not used by the Day-Ahead market
- **Notification Time** - This can override the daily scheduled hot, cold, or intermediate notification times
 - Can only be changed during real-time operations



Questions?

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The Member Community is PJM's self-service portal for members to search for answers to their questions or to track and/or open cases with Client Management & Services