Gas Unit Commitment Coordination

2014/2015 Winter Scope Proposal Proposal Review

MRC First Read
10/30/14
### Proposed 2014/2015 Winter Scope

**Data Accuracy for Existing Fields**
- Reinforce Generation Owners (GOs) must ensure data accuracy in eMKT for next X days (up to 7 days)
- Emphasis during Hot and Cold Weather alert periods

**New Data Fields**
- # and Type of Operational Restrictions
- Hours at Full Load Remaining for Next 7 days
- Dual Fuel Capability & Availability

**Reinforce Critical Information and Reporting Requirements**
- Reinforce Planned, Maintenance, and Unplanned Outage rules & requirements
- Reinforce critical reporting requirements

**Unit Commitment in advance of DA Market Posting**
- Committed into the Day Ahead (DA) Market
- Using parameters entered and validated by GOs when Hot or Cold Weather alerts issued
- Offer-capped at the offer provided to PJM at time of commitment
- Will run for either the maximum of their min run time or the profile provided by PJM at the time of the commitment

**Operator Communication Clarification**
- Resources with NO DA Commitments AND not picked up in the Reliability Assessment & Commitment Run
- Resources Extended Beyond DA Scheduled Commitment
- Hourly updates to COST schedule availability

**Intraday Cost Schedule Updating**
- Offer-capped at the offer provided to PJM at time of commitment
- Will run for either the maximum of their min run time or the profile provided by PJM at the time of the commitment
## Intraday Cost Changing Eligibility

<table>
<thead>
<tr>
<th>Day Ahead Commitment</th>
<th>Reliability Assessment &amp; Commitment (RAC)</th>
<th>No Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT</td>
<td>Cost Switching after the end of last DA committed Hour</td>
<td>N/A</td>
</tr>
<tr>
<td>Steam</td>
<td>Cost Switching after the end of last DA committed Hour</td>
<td>Cost Switching after the end of last RAC committed Hour</td>
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</tbody>
</table>
Intraday Cost Schedule Updating

- Use the current 78 available cost schedules to reflect incremental cost schedules.
- Cost schedule values will be locked at 18:00 prior day (except for fields on the Unit Hourly update tab and new Unit Schedule Availability Update tab).
- Price Schedule must be made unavailable at 18:00 to be eligible for cost switching.
- Schedules can be made available or unavailable hourly to more accurately reflect the resources cost based on a three hour sliding lock out (two plus hours in advance of the operating hour).
- Only one schedule per fuel type can be made available each hour in real-time. All other schedules will automatically be updated to unavailable in eMKT.
- Units committed in real-time are unable to change Cost Schedule until released.

Link to Manual 11
### Current Practice

- Fuel policy for day ahead offers (submitted before the operating day, day ahead or rebid) based on actual/expected day ahead/intra-day fuel costs is submitted in MA tool CODA (Cost Offer Data Application).
- Currently CODA tool is not available. CODA has been phased out by MIRA.

### Proposed Change

- Generation Owners will be responsible for submitting an updated fuel policy for intra-day offers (updated during operating day) based on actual/expected intra-day costs in MA tool MIRA (Member Information Reporting Application) tool. MIRA estimated implementation date is mid-Nov 2014.
<table>
<thead>
<tr>
<th>Date</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 30</td>
<td>MRC - First Read of GUCC 2014/ 2015 Winter Proposal</td>
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<tr>
<td>November 6</td>
<td>OC - Vote of GUCC 2014/ 2015 Winter Proposal</td>
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<tr>
<td>November 7</td>
<td>MIC - Review of GUCC 2014/ 2015 Winter Proposal</td>
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<td>November 18</td>
<td>GUCC - Final review &amp; discussion of post GUCC 2014/ 2015 Winter Scope</td>
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<tr>
<td>November 20</td>
<td>MRC - Endorsement of GUCC 2014/ 2015 Winter Proposal</td>
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<tr>
<td>November 24</td>
<td>Winter Webinar training</td>
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<tr>
<td>December</td>
<td>Target vendor delivery of required software changes</td>
</tr>
<tr>
<td>January</td>
<td>Target production release of required software changes</td>
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</tbody>
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Winter Weather Procedure Changes Webinar

• When?
  – Monday, November 24, 2014  1000-1400 EST

• What?
  – Review Cold Weather Procedures
  – Introduce new procedures/processes for this winter’s operation
    • Including GUCC, ERPIV, Cold Weather Resource Performance Improvement initiatives

• Who?
  – Mainly targeted to Generation and MOC operators
    • Limited information for TO operators

• How?
  – Webinar format (register at pjm.com/training.aspx)
  – Will also be recorded, segmented and posted for those that miss the webinar
  – CEH credit available