



# Hot and Cold Weather Recommendation Status

Chantal Hendrzak  
Executive Director- Operations Support  
MC Webinar  
February 2015



# Cold Weather Recommendation Status

Topic	Status and Notes	Description
<b>Gas Unit Commitment Coordination</b>	<p><i>New eMKT fields were implemented on 1/29/15 in production. <b>Intraday cost schedule update functionality was implemented in Sandbox on 1/27/15 and targeted for production on 2/18/15.</b></i></p>	<p>Improve the clarity, transparency and standardization of handling long-lead gas unit commitment, due to fuel restrictions. Consider tools, processes, market construct, as well as communication and notification protocols.</p>
<b>Energy &amp; Reserve Pricing</b>	<p><i>-Starting 1/1/15, long lead units will be committed in the DA Market and DASR will be cleared up to economic max rather than emergency max. The primary reserve requirement will be increased to reflect any additional reserves that are scheduled intraday.</i></p> <p><i>-Effective 3/1/15 (pending FERC approval) the synchronized reserve requirement will also be increased and the second step on the reserve demand curves will be implemented. The increase to the DASR requirement will also become effective at this time.</i></p> <p><i>-The updated Interchange Volatility proposal was approved at the 11/20 MRC <b>and was implemented on 1/1/15.</b></i></p>	<p>Determine whether enhancements can be made to better capture conservative operator actions in market clearing prices:</p> <p>Determine whether enhancements can be made to existing rules for transaction scheduling to improve system and price stability</p>

Topic	Status and Notes	Description
Capacity Performance	<p><i>The filing was submitted to FERC on 12/12/14 with requested effective date 4/1/15. Member comments were due to FERC by 1/20/15. On 2/13/15 PJM submitted a Motion for Leave to Answer and Answer to address certain of the protests and comments.</i></p>	<p>The Problem Definition: Need to refine the definition of capacity</p> <ul style="list-style-type: none"> <li>•Fuel security – dependable fuel source</li> <li>•Performance incentives and penalties</li> <li>•Capacity resources must be highly available for operations</li> <li>•Require flexible unit operational parameters</li> </ul>
Gas Infrastructure Future Adequacy	<p><i>Target 2 Final Draft Report was released 1/30/15.</i></p>	<p>EIPC Gas-Electric System Interface Study includes four Targets:</p> <ol style="list-style-type: none"> <li>1. Baseline systems (Posted)</li> <li>2. Infrastructure capability (<del>October</del>) (1/30/15)</li> <li>3. Contingency analysis (<del>December</del>) (TBD)</li> <li>4. Dual-Fuel evaluation (<del>November</del>) (Released 12/14)</li> </ol>
Gas / Electric Industry Coordination	<p><i>PJM is working through the NAESB process, as part of the FERC NOPR. FERC has requested data from PJM to analyze impact of gas and electric day on reliable and efficient operations.</i></p>	<p>PJM, in conjunction with stakeholders, is developing industry recommendations for the following topics in response to the FERC NOPR on gas / electric coordination:</p> <ul style="list-style-type: none"> <li>-Harmonization of the timing of the gas and electric operating days</li> <li>-Will determine PJM market timing to coordinate with gas day and nomination schedules once FERC NOPR is finalized</li> </ul>



# Cold Weather Recommendation Status

Topic	Status and Notes	Description
Unit Characteristics	<p><b>COMPLETE:</b>  <i>Internal report has been developed to view static data. Fuel data was mapped to new fields deployed in eMKT on 1/29/15.</i></p>	<p>Working with the generation owners to identify opportunities to create or improve information sharing such as fuel source and limitations, emission limitations; as well as use and validation of outage types .</p>
Offer Caps	<p><b>COMPLETE: 1/16/15</b>  <i>The CRSTF was approved for sunseting at the 10/30 MRC. Filing submitted to FERC for the interim cost-based offer cap to be \$1,800 and any costs above that to be compensated through after-the-fact review of actual costs. Filing EL15-31-000 was accepted by FERC on 1/16/15.</i></p>	<p>Analyze and review generation energy market offer caps for both cost-based and price-based offers.</p>
Data Sharing with Gas Industry	<p><b>COMPLETE:</b>  <i>Internal PJM effort that is in progress will include:            -Improvement of internal FERC 787 data sharing process which includes data sharing for informational purposes            -Internal dashboard of electrical interconnection areas impacted by pipeline issues- Internal Daily Gas Notification Email was started in Nov. and Weekly Phone Calls with the Pipelines was started in Dec.</i></p>	<p>Improve the tools and processes for two-way communication with the gas industry to enhance situational awareness and better evaluate impact to PJM generation</p>

Topic	Status and Notes	Description
<b>PJM Cascading Outage Analysis Procedure</b>	<del>Vendor delivery contained defects and is in the process of being fixed.</del> <i>Defects have been corrected and are in the process of being deployed for testing</i>	Review PJM's Cascading Outage Analysis procedure and determine how it can be improved as well as automated.
<b>Unit Characteristics</b>	<b>COMPLETE:</b> <i>This overlaps with the cold weather recommendation for Unit Characteristics.</i>  <i>Internal report has been developed to view static data. Fuel data was mapped to new fields deployed in eMKT on 1/29/15.</i>	Develop and implement a process for validating generator performance data (ecomax, emergency max, spin max, etc.)