



# Hot and Cold Weather Recommendation Status

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# Cold Weather Recommendation Status

Topic	Status and Notes	Description
<b>Gas Unit Commitment Coordination</b>	<p><i>Manual process put in place on 1/1/15 until automatic functionality is available (planned for 2/9/15)</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 and implemented on 1/1/15.</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>
<b>Data Sharing with Gas Industry</b>	<p><i>Internal daily gas notification email started in Nov. and weekly phone calls with pipelines 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>



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Offer Caps	<i>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</i>	Analyze and review generation energy market offer caps for both cost-based and price-based offers.
Gas Infrastructure Future Adequacy	<i>Target 4 Final Draft Report was released in December.</i>	EIPC Gas-Electric System Interface Study includes four Targets: 1. Baseline systems (Posted) 2. Infrastructure capability (TBD) 3. Contingency analysis (TBD) 4. Dual-Fuel evaluation ( <b>Released 12/14</b> )
Unit Characteristics	<i>Internal report has been developed to view static data. Fuel data will be mapped once fields are available in eMKT.</i>	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.
Capacity Performance	<i>The filing was submitted to FERC on 12/12/14 with requested effective date 4/1/15. PJM FAQ process has been implemented with responses posted bi-weekly.</i>	The Problem Definition: Need to refine the definition of capacity <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>



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Voltage Reduction Emergency Procedure	<p><b>COMPLETE: 1/15</b>  <i>Survey responses from TOs utilized to create Voltage reduction plans. Voltage reduction plans have been added to the Dispatcher SharePoint site. First read of edits completed at the 10/30 MRC. Edits effective for 1/1/15.</i></p>	<p>Review the voltage reduction capabilities of transmission owners to better understand current capabilities and determine if there are additional requirements to be developed</p>
External Capacity	<p><b>COMPLETE:</b>  <i>Process is in place for external capacity availability and actual performance measurement.</i></p>	<p>Develop processes and tools to confirm external capacity resources availability, day-ahead and real-time market commitments, and actual performance.</p>
Interregional Coordination	<p><b>COMPLETE:12/14</b>  <i>- Emergency Procedure document and contacts created and discussed with VACAR group.            - 5/20/14 Summer Emergency drill completed with Duke Energy Progress            - Reference guide to support NERC tags for shared reserves created for the Dominion MOC            - Mutual emergency procedure language in the VACAR/PJM RC Agreement completed            -The new version of the EMS Unit Reserve Report was transferred to production and includes filtering for VACAR</i></p>	<p>Consider improvements to increase situational awareness with the VACAR Reserve Sharing group and VACAR Reliability Coordinator:            - Define and review PJM emergency procedures and overall communications, including a review of the operating agreements, including the VACAR Reserve Sharing Group Agreement</p>



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PJM Cascading Outage Analysis Procedure	<i>Vendor delivery contained defects and is in the process of being fixed.</i>	Review PJM's Cascading Outage Analysis procedure and determine how it can be improved as well as automated.
System Modeling	Draft documentation on the practices and processes is currently under review and <i>planned for final approval by early 2015.</i>	Update PJM's modeling processes and practices to include PJM's expectations of Transmissions Owners' input; as well the approach to implementing modelling and telemetry across the transmission and sub-transmission system.
Behind the Meter Generation	<b>COMPLETED: 12/14</b> <i>Discussions with pilot states are scheduled to begin in Jan 2015 to review:</i> <i>1. Issues and work done by PJM so far</i> <i>2. List of units not under PJM control</i> <i>3. Discuss possible options</i>	Establish and document PJM's approach for representing known Behind the Meter generation and the related operating criteria for dispatchers. This effort will require coordination with the TOs and the States.