



Natural Gas Supply During Winter Storm Elliott and Electric Gas Coordination Senior Task Force Update

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Gas Supply

- Rapid and extensive loss of gas production

Situational Awareness

- Unit parameter and temporary exception updates

Natural Gas Nominating Process

- Misalignment with Electric Operating Day

Cycle	Nomination Deadline	Confirmed by Pipeline	Scheduled by Pipeline	Gas Flow Starts	Flow Duration
Timely	2:00 pm	5:30 pm	6:00 pm	10:00 am	24 hours
Evening	7:00 pm	9:30 pm	10:00 pm	10:00 am	24 hours
Intraday 1	11:00 am	1:30 pm	2:00 pm	3:00 pm	19 hours
Intraday 2	3:30 pm	6:00 pm	6:30 pm	7:00 pm	15 hours
Intraday 3	8:00 pm	10:30 pm	11:00 pm	11:00 pm	11 hours

**Gas Day:
10 a.m.–10 a.m.**

- Nominated volume expected to be delivered on a uniform 24-hour basis
- Timely and Evening cycles for next gas day – higher priority
- Intraday cycles for current gas day – lower priority
- Interruptible nominations can be bumped by Firm nominations except for the Intraday 3 cycle

Situational Awareness

- Unit parameter and temporary exception updates
- Are pipeline restrictions appropriately factored in to effectively quantify gas generator availability to meet reserve requirements?
- Are reserve offers aligned with the gas nomination cycles to appropriately convey availability timeframe?



Joint PJM/Dominion Energy/Gabel Associates Solution Option Package

Component	Description
Intraday Reliability Commitment Runs	PJM will run three intraday RTC (Real Time Commitment) runs that are timed to complete prior to each of the three intraday gas nomination cycle deadlines. Gas units receiving commitments during these runs will be notified with adequate time to procure and scheduled needed supply prior to the nomination deadlines.
Gas Procurement Notification	If by 3pm eastern time each day, a gas generator receiving a DA award has procured gas to meet their Day Ahead obligation, then the gas generator will inform PJM via a checkbox in Markets Gateway. This notification is informational only and is intended to provide awareness to PJM Dispatch as to which units have procured necessary supply. This is not intended to create a mandatory requirement for generators to procure supply by 3pm.
Unit Parameter Exception Updates	<p>Short Term: Reflect nomination deadlines, ratable takes in operating parameters when enforced by pipelines. (9/8/23-temporary exception guideline document posted on PJM and IMM websites) Document in PJM manuals</p> <p>Mid Term: Remove RTVs. Allow for real time temporary exceptions. (9/11/23 Joint PJM/IMM FERC filing approved by FERC on 11/30/23)</p> <p>Long Term: Introduce new operating parameter for extending unit runs.</p> <p>NOTE: Short Term and Mid Term items have been addressed</p>
CT's Dispatched in the DA Market are treated the same as Steam Units in terms of firm commitment	This is the current process however PJM to update manual language to ensure that this is clear
Training	Status Quo but PJM agrees to make non-confidential training material and tabletop exercise information available to stakeholders

Gabel Associates represents Red Oak, Rockland and J-Power

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Gas Procurement During WS Elliott and EGCSTF Update



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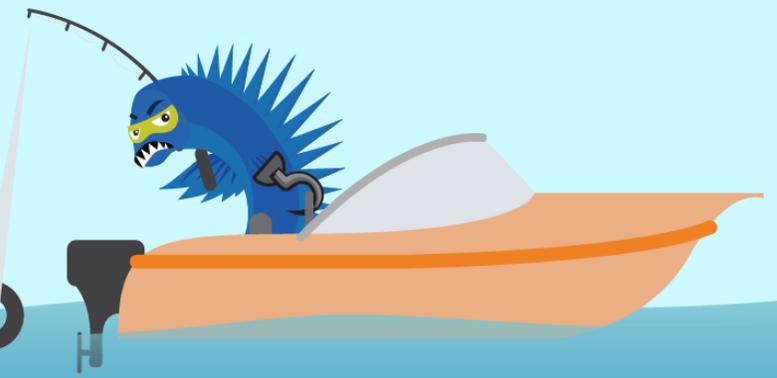
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