



PJM Gas Electric Coordination

PJM Electric Gas
Coordination Subcommittee

March 27, 2025

- 1 January 2025 Cold Weather Operations
- 2 Regulatory Space
- 3 Natural Gas-Related Infrastructure Project in PJM
- 4 Electric-Gas Research Activity
- 5 Industry Collaboration
- 6 Electric-Gas Issue Prioritization

Gas Production	Interstate Gas Pipelines	Local Gas Distribution Companies	Generator Temporary Exception Reporting	Natural Gas Market
<ul style="list-style-type: none">• Improvements in production losses compared to prior winter events have been seen, particularly in Appalachian region• Rapid production recovery• Winterization efforts continue but supply risks remain	<p>All pipelines enforced Tariff restrictions, including hourly and daily balancing, ratable takes and firm entitlements</p>	<p>Typical interruptions of certain gas-only generators behind LDC city gates</p>	<p>Improving trend in generator temporary exception reporting for gas-related limitations, although more work to be done</p>	<p>Holiday weekend gas strip remains a major challenge during these constrained periods</p>

FERC

- Ongoing discussions with FERC staff related to Multi-State ISO/RTO Whitepaper recommendations

NERC

- Electric Gas Working Group/Energy Reliability Assessment Working Group
- TOP-002-5 Fuel Assessments During Extreme Cold Weather

NAESB Gas-Electric Harmonization

- Electric-Gas Communications Improvements (2024 Initiative based on WS Elliott recommendation)
 - Interstate Pipelines agreed to develop enhanced gas-electric coordination informational postings

NARUC GEAR (Gas Electric Alignment for Reliability)

- Task Force extended with expected completion late 2025

DOE Funded Pilot Gas Resource Adequacy Study

- Study focused on Eastern PJM over next 3 to 5 years assessing gas infrastructure adequacy to support increasing load and load swings required to balance increased intermittent resources
- Led by Argonne National Labs and the National Energy Technology Laboratory
- Kicked off Q42024
- Anticipated 12–18 months
- Numerous electric and gas industry study observers/guides
- Expectation is to expand study beyond PJM

Increased load growth, along with the growth of intermittent resources, will continue to drive the need for increased natural gas infrastructure, including supply and transportation/storage capacity to address reliability gaps.

As a result, PJM will actively support natural gas infrastructure projects that have a tangible benefit to improving system reliability and operational flexibility.

Recent Projects

Transco Regional Energy Access (REA)

www.williams.com/expansion-project/regional-energy-access

Dominion LNG Storage Facility

www.dominionenergy.com/projects-and-facilities/natural-gas-projects/brunswick-greenville-storage-facility

BHE Eastern Gas Transportation and Storage (EGTS) Capital Area Project

www.capitalareaproject.com

Williams Transco Regional Energy Access (REA) <ul style="list-style-type: none">0.83 bcf/day firm capacity (PA to NJ, PA, MD)	BHE EGTS Capital Area Project (CAP) <ul style="list-style-type: none">67,500 dth/day firm capacity on EGTS PL-1 line (PA to MD/VA)Filed with FERC 12/2024	Dominion Energy Brunswick Greenville LNG Facility <ul style="list-style-type: none">Approved by VA SCC February 2025
In-Service Date: August 2024	In-Service Date: Q4 2027	In-Service Date: Q4 2027

- The Gas-Electric Coordination Team is involved in several industry working groups to collaborate on key issues with the natural gas industry.

- ISO/RTO Council (IRC)
 - Electric Gas Coordination Task Force
- Eastern Interconnect Planning Collaborative (EIPC)
 - Electric Gas Task Force
- National Association of Regulatory Commissioners (NARUC)
 - Gas Electric Alignment for Reliability (GEAR)

- 1 Weekend (Holiday) Gas Market**
- 2 Electric and Gas Day Misalignment**
- 3 Lack of Available Firm Flexible Pipeline Capacity and Storage**
- 4 Costs Associated with Unburned Gas**
- 5 Other**

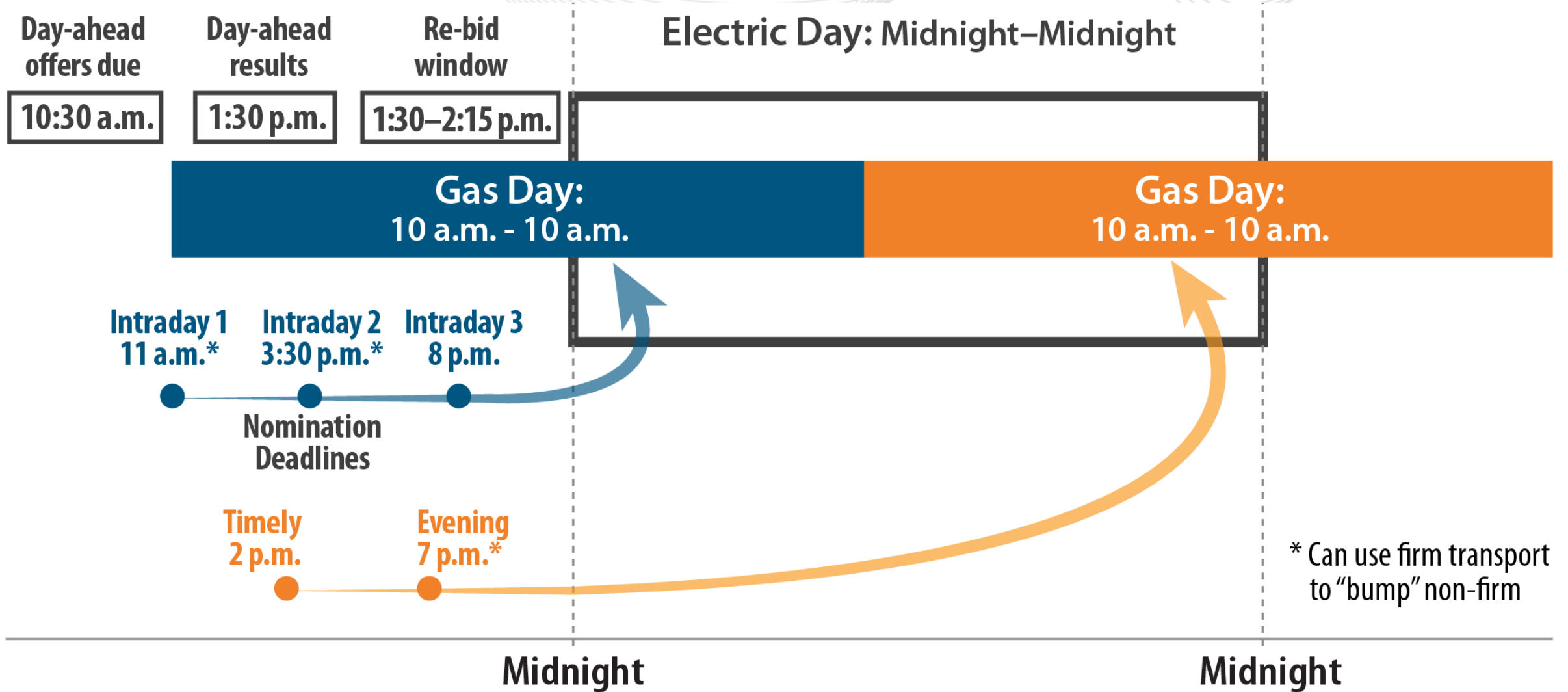
APPENDIX

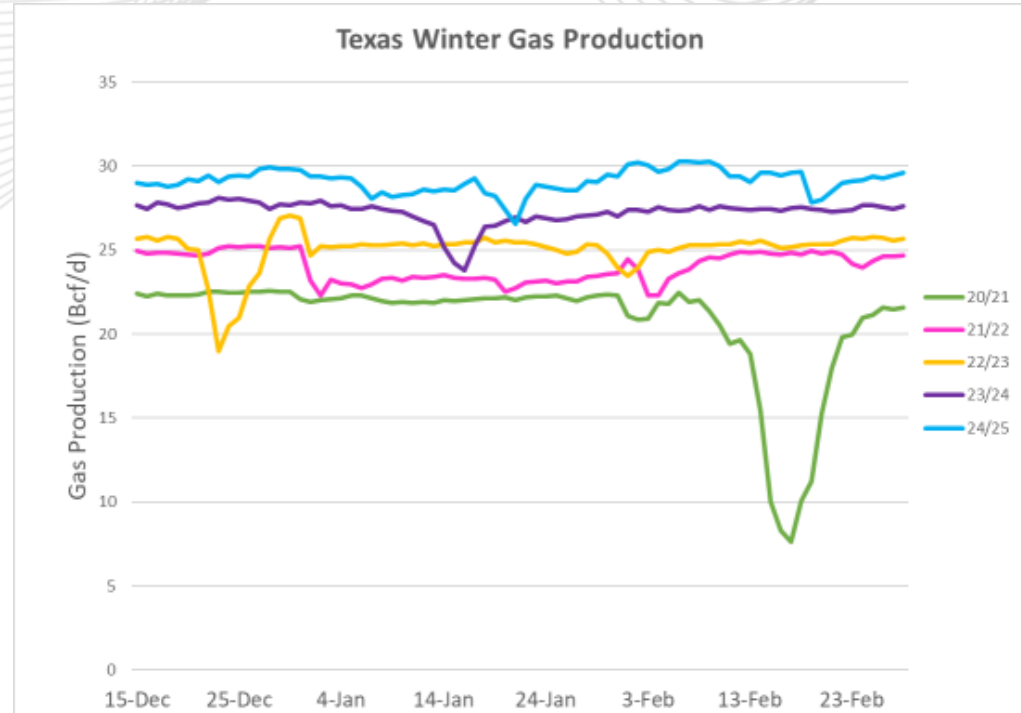
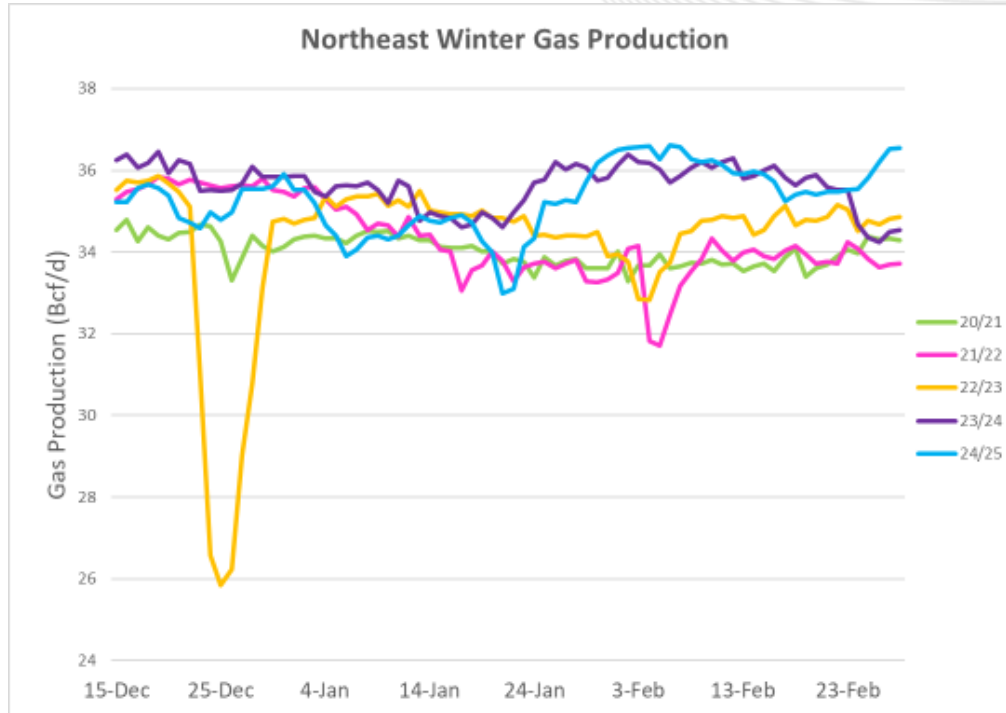
Cycle	Nomination Deadline	Confirmed by Pipeline	Scheduled by Pipeline	Gas Flow Starts	Flow Duration
Timely	2 p.m.	5:30 p.m.	6 p.m.	10 a.m.	24 hours
Evening	7 p.m.	9:30 p.m.	10 p.m.	10 a.m.	24 hours
Intraday 1	11 a.m.	1:30 p.m.	2 p.m.	3 p.m.	19 hours
Intraday 2	3:30 p.m.	6 p.m.	6:30 p.m.	7 p.m.	15 hours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

Electric and Gas Day Overlap – Scheduling Implications





Total U.S. domestic production and Northeast production have remained strong through recent cold weather events compared to the losses seen during Winter Storm Uri and Winter Storm Elliott.

General consensus is that the upstream gas sector (producers, gatherers and processors) has ramped up their winter preparedness and equipment winterization efforts since Winter Storm Elliott, which will hopefully mitigate large gas freeze-off losses.

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