



PJM Winter Preparations



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- Required for reliable operations planning purposes.
- Done as a baseline of fuel supply and reserves ahead of winter season.
- Intended to enhance PJM situational awareness in preparation for severe weather.
- Focused on fuel supply details (primary and alternate fuel), fuel inventory and emissions limitations.
- Pre-populated with last year's survey responses where possible.
- Issued in eDART on October 13th and will end on November 17th.

- Cold Weather Preparation Guideline and Checklist provides generators with a guide to reduce problems during cold weather events.
- Generators asked to confirm their winter readiness using either the PJM or equivalent checklist.
- Issued Cold Weather Checklist Survey in eDART on November 1st and will end on December 15th.

- Allow generators to identify and correct start-up, operational, and fuel switching issues prior to cold weather operations with compensation for non-CP generators only.
- PJM will provide list of eligible generators by November 10th.
- From PJM's list, generator owners should identify by November 20th units they have chosen to participate in the winter exercise.
- Winter exercise period starts December 1st and runs through end of the month.



PJM Winter Preparations Summary

PJM Studies, Data Requests & Drills	Reliability Coordinator Winter Preparation Meetings	Gas / Electric Coordination
PJM Operating Analysis Task Force (OATF) Winter Operations Study (Nov. 2017)	PJM / DEP / VACAR (Nov./Dec., 2017)	Joint INGAA – Inter-RTO Council Meeting (Oct. 19, 2017)
Seasonal Fuel & Emissions Survey (Oct. 13 – Nov. 17, 2017)	SERC Operating Committee / SERC RCS / VACAR (Oct. 3-4, 2017)	Daily, Weekly, Monthly, and Seasonal Communications with Pipelines in PJM footprint
PJM Emergency Procedures Drill (Nov. 7, 2017)	Reliability First (Sep. 20, 2017)	Data Sharing Agreements and Communication Protocols with key local distribution companies
Resource Winter Operational Exercise (Dec. 2017)	Joint NPCC/PJM/MISO (Nov. 9, 2017)	Resilience efforts to: <ul style="list-style-type: none"> Operationalize Gas Infrastructure Contingencies Develop gas pipeline model in conjunction with Argonne Labs
Cold Weather Resource Preparedness Checklist (Nov. 1 - Dec. 15, 2017)	NYISO / PJM (Oct. 24, 2017) TVA / PJM (Nov., 2017)	
Increase transparency through enhancements to tools / visualization		

- A weak La Niña is expected to develop, which should lead to a colder winter than last two (2) years.
- Southward shifts in the polar vortex, cause unusually cool weather this past August. If this trend continues, the risk of periods of arctic cold will be greater.
- Precipitation above average for the Great Lakes region and below average to the south.