



# Generation Resource Cold Weather Preparation

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Pre-Winter  
Reactive  
Capability  
Verification

Cold Weather  
Checklist

Seasonal Fuel  
Inventory and  
Emissions Data  
Request

Cold Weather  
Exercise

NERC Webinar

Additional  
Mechanisms for  
PJM Situational  
Awareness

## Generating Unit Reactive Capability Verification

- Pre-Winter Review: From October 1<sup>st</sup> through October 31<sup>st</sup>
- Generation Owners review their unit reactive capabilities in eDART
- Update D-curves as necessary
- Provide acknowledgement via eDART

## Cold Weather Preparation Guideline and Checklist

- Provides generators with a guide to prepare units for cold weather operation
- Based on Manual 14-D, Attachment “N”
- Data Request in eDART
  - Starting November 1<sup>st</sup> and ending on December 15<sup>th</sup>
  - Option of using the PJM or equivalent checklist
  - **NEW: Requires verification of Generating Facility cold weather operating temperature limit**

## Seasonal Fuel Inventory and Emissions Data Request

- Focused on fuel supply and delivery details, fuel inventory and emissions limitations
- Required for reliable operations planning purposes
- Enhance PJM situational awareness in preparation for severe cold weather
- Data Request open in eDART **October 24<sup>th</sup> through November 28<sup>th</sup>**

PJM no longer facilitating a formal exercise

Generation resources asked to self-schedule for testing

- Day-ahead preferred, real-time acceptable with proper notice to PJM dispatch
- During month of December
- Temperature forecast below 35 degrees
- Informational eDART ticket with cause “Cold Weather Preparation Exercise”
- See Manual 14-D, Section 7.5.1 for details

## NERC Winter Prep Webinar

- Held on 9/1/22 – 1300 to 1600 EPT
- Preparation for the upcoming winter weather, including:
  - Lessons Learned from recent severe cold weather events & effects on generation resources
  - Reliability Guideline: Generating Unit Winter Weather Readiness
  - 2022-2023 winter items of interest for GOs

## Additional Mechanisms for PJM Situational Awareness

- Weekly Fuel and Non-Fuel Consumables Inventory Data Requests
- Markets Gateway Resource Limitation Reporting
- Unit Specific Parameter Adjustments
- Parameter Exceptions
- Real Time Values
- Operational Restrictions Field
- eDART Tickets



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## Generation Resource Cold Weather Preparation



### Member Hotline

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# Appendix

## [Project 2019-06 Cold Weather](#)

- To enhance the reliability of the BES during cold weather events by ensuring Generator Owners, Generator Operators, Reliability Coordinators, and Balancing Authorities prepare for extreme cold weather conditions.

## [Project 2021-07 Extreme Cold Weather Grid Operations, Preparedness, and Coordination](#)

- Address reliability related findings from the Federal Energy Regulatory Commission (FERC), NERC, and Regional Entity Joint Staff Inquiry into the February 2021 Cold Weather Grid Operations

## [NERC Cold Weather Preparation Slides](#)

## [NERC Cold Weather Preparation Recording](#)

## [RF Winterization Outreach Program](#)

## [RF Winter Recap Performance during Winter 2021-2022](#)

## [SERC 2022 Extreme Weather Webinar – October 20, 2022](#)

**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

