



Generation Resource Cold Weather Preparation

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System Operations Subcommittee
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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 through October 31
- 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 1st and ending on December 15th
 - 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 mid-October through mid-November

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

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