Generation Resource Cold Weather Preparation

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Operating Committee
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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
Pre-Winter Reactive Capability Verification

**Generating Unit Reactive Capability Verification**

- Pre-Winter Review: From October 1\(^{st}\) through October 31\(^{st}\)
- Generation Owners review their unit reactive capabilities in eDART
- Update D-curves as necessary
- Provide acknowledgement via eDART
Cold Weather 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

Cold Weather Preparation Guideline and Checklist
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 from October 17th through November 21st
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 for Severe Cold Weather 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
(610) 666 – 8980
(866) 400 – 8980
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Appendix
Additional NERC Resources

**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

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