

Generation Resource Cold Weather Preparation

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Summary of Activities

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 1st through October 31st
- Generation Owners review their unit reactive capabilities in eDART
- Update D-curves as necessary
- Provide acknowledgement via eDART



Cold Weather Checklist

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 <u>temperature</u> limit



Seasonal Fuel Inventory and Emissions Data Request

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 24th through November 28th



Cold Weather Exercise

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

Apjm

NERC Winter Prep for Severe Cold Weather Webinar

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

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



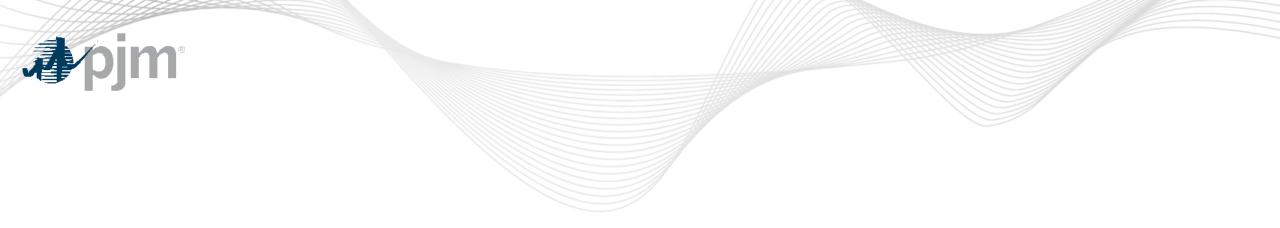
Facilitator: Monica Burkett, <u>Monica.Burkett@pjm.com</u>

Secretary: Dana Hiser, <u>Dana.Hiser@pjm.com</u>

SME/Presenter: Vince Stefanowicz, Vincent.Stefanowicz@pjm.com

Generation Resource Cold Weather Preparation

Member Hotline (610) 666 – 8980 (866) 400 – 8980 custsvc@pjm.com



Appendix



Additional 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

