



FERC, NERC and Regional Entity Staff Report: Winter Storm Elliot (WSE) Recommendation PJM Progress Summary

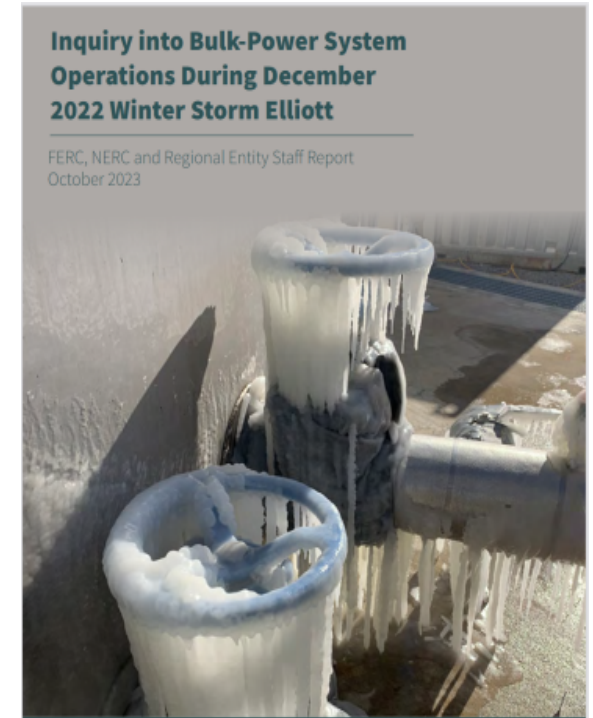
Becky Davis
NERC Compliance
Operating Committee
September 12, 2024

Inquiry into BPS Operations during December 2022 WSE

Link to report: <https://www.nerc.com/news/Pages/FERC,-NERC-Release-Elliott-Report.aspx> “Report”

FERC/ NERC/ Regional Entity Staff report posted 11/07/2023

- Outlines 11 Recommendations for action to help prevent similar occurrences during future extreme winter weather



Recommendations grouped into four categories:

A. Generator Cold Weather Reliability

- Recommendations: 1a, 1b, 1c, 1d, 1e, 1f, 1g, 2, & 3

B. Natural Gas Infrastructure Cold Weather Reliability

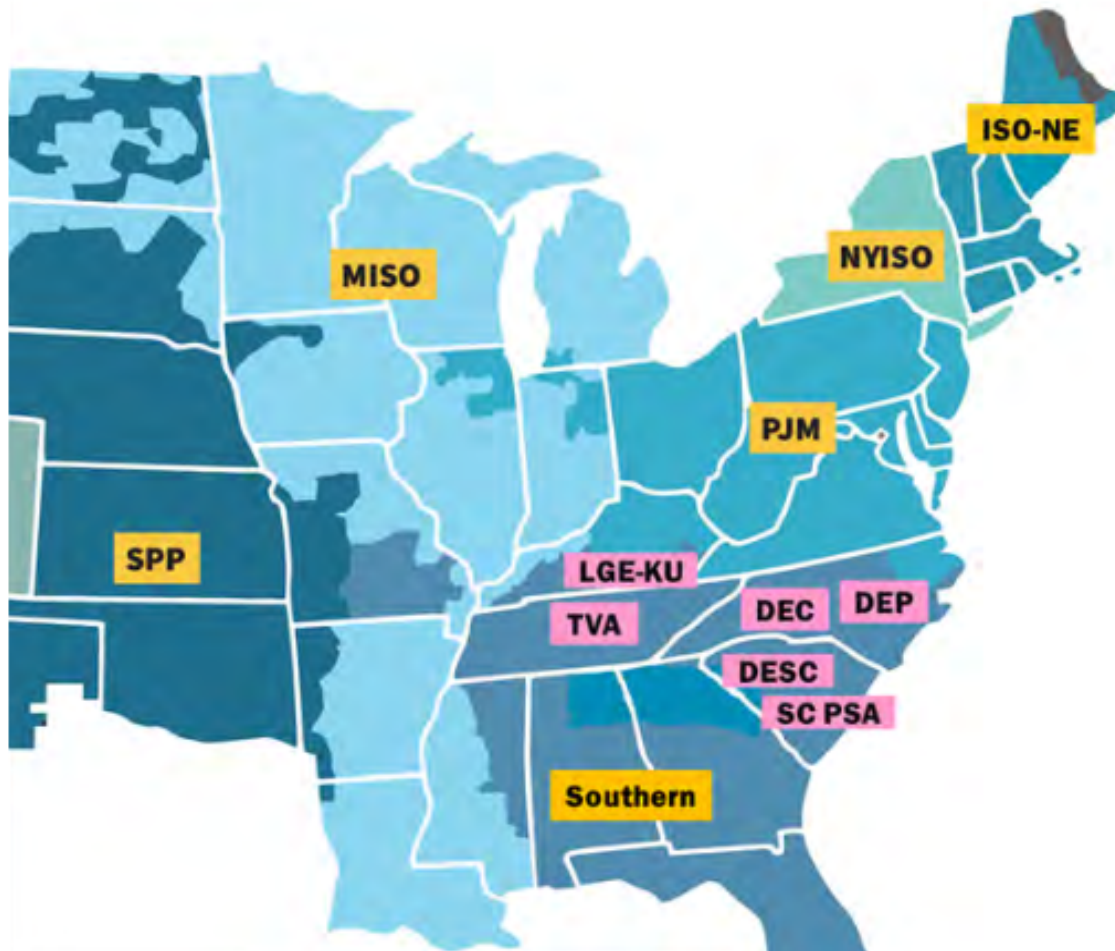
- Recommendations: 4, 4a, 4b, & 4c

C. Natural Gas-Electric Coordination for Cold Weather Reliability

- Recommendations: 5, 6, & 7

D. Electric Grid Operations Cold Weather Reliability

- Recommendations: 8, 9, 10, & 11

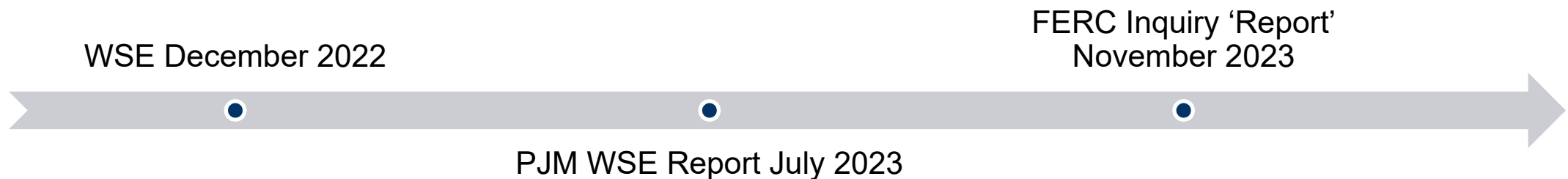


Recommendations impacts:

- Generation Owners
- NERC and Regional Entities
- Congress & state legislatures
- North American Energy Standards Board – NAESB
- FERC
- Independent research group
- Balancing Authorities
- Resource Planners
- Industry Subject Matter Experts

Figure 1: BES Map of Entities in the U.S. Eastern Interconnection Affected by the Extreme Cold Weather, page 7

- Recommendations impact multiple entities and PJM reviewed each recommendation and identified opportunities in determining PJM action items to improve reliability:
 - PJM actions listed contain PJM’s support of the recommendations and in many instances will not be a one-to-one match due to the intended impacted entity and/or the nature of the recommendation
 - Where applicable, PJM’s WSE recommendations have been acknowledged in support of the FERC, NERC, Regional Entity Staff WSE Report





Recommendation Work Area Documentation Overview

FERC Recommendation 1g	
A. Generator Cold Weather Reliability Complete preparations for winter no later than the earliest first freeze date for the generating unit's location and maintain preparations until after the last freeze date.	
Impact: Generation Owners	
SUMMARY OF PJM ACTIONS:	
<ul style="list-style-type: none"> Analyze (resources) Cold Weather Operating Limit (CWOL) and (NERC Registered) Extreme Cold Weather Temperature (ECWT) and resource performance. 	Ongoing
<ul style="list-style-type: none"> PJM Manual 14D Generator Operational Requirements¹², 7.5.2 Generation Resource Preparation and Cold Weather Checklist 'This should be done prior to the local National Oceanic and Atmospheric Administration (NOAA) first frost date. 1B' and Attachment N: Cold Weather Preparation Guideline and Checklist. 	Complete
PJM Winter Storm Elliott Recommendations (See Progress Summaries on PJM.com > Committees & Groups > Issue Tracking > Issue Details > Associated Materials)	
<ul style="list-style-type: none"> Reinforce and clarify expectations for Cold Weather Advisories and Cold Weather Alerts. – <i>Work Area: Procedures</i> 	

Recommendation Number

This applies to the original FERC recommendation document.

Status

Not every action has a status. Tracked status is only applicable to PJM actions.

PJM Winter Storm Elliot Recommendations

These actions are captured in more detail in the Progress Summaries documents posted to the Issue Tracking > Issue Details > Associated Materials on PJM.com.

1	2	3
<p>There are 11 FERC ‘Report’ recommendations.</p> <ul style="list-style-type: none">• 3 Recommendations impact Balancing Authorities and Resource Planners	<p>PJM actions listed contain PJM’s support of the recommendations and in many instances will not be a one-to-one match due to the intended impacted entity and/or the nature of the recommendation</p>	<p>PJM continues to work with NERC and other entities impacted by the ‘Report’</p>

Presenter:
Becky Davis elizabeth.davis@pjm.com

Please contact the Member Hotline with questions.



Member Hotline

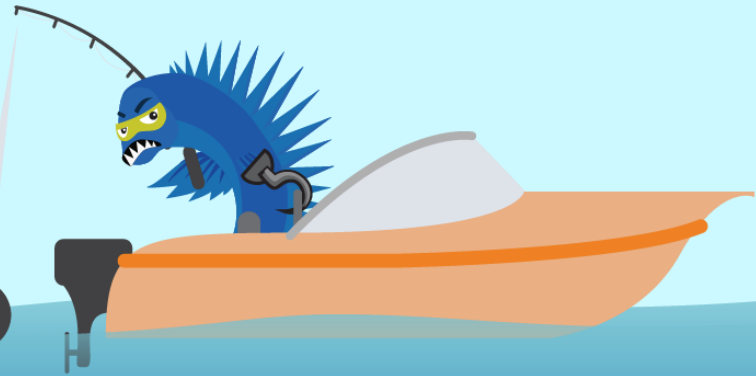
(610) 666-8980

(866) 400-8980

custsvc@pjm.com

**PROTECT THE
POWER GRID**

**THINK BEFORE
YOU CLICK!**



**BE ALERT TO
MALICIOUS PHISHING
EMAILS**



**Report suspicious email activity to PJM.
Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com**