



Transmission Planning Resilience Update

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Planning Committee

March 05, 2024

Why was resilience effort initiated?

What progress has been made?

Where are we now?

What are the next steps?

2018

- FERC initiated a resiliency proceeding (Docket No. AD18-17)
- Evaluate issues pertaining to the resilience of the bulk power system
- Understand how RTO/ISOs addressed regional threats to resilience

2021

- FERC closed the Resiliency Proceeding
- Do not believe that any separate action is required
- The resilience and reliability of the bulk power system must – and will – remain one of the Commission's paramount responsibilities and concerns

2022

- FERC issued several NOPRs, address resilience indirectly
- NOPR No. 1: Long-Term Planning NOPR, Docket No. RM21-17
- NOPR No. 2: Transmission System Planning Performance Requirements for Extreme Weather Docket No. RM22-10
- NOPR No. 3: One-Time Informational Reports on Extreme Weather Vulnerability Assessments, Climate Change, Extreme Weather, and Electric System Reliability, Docket No. RM22-16



PJM Resilience Progress: Transmission Planning

2018

- Strategic discussion

2019

- Critical Infrastructure Stakeholder Oversight (CISO)
- CIP-14 mitigation & avoidance

2020

- CIP-014 mitigation: FERC approved the addition of Attachment M-4 to the PJM Tariff in March
- Allows for projects to mitigate impacts to the system where a critical substation is lost, without publicly disclosing highly sensitive information
- Five-year window to begin project construction (March 2025 sunset date)
- Applicable to specific set of “less than 20” facilities identified as of 2018

2021

- CIP-014 avoidance: Critical Substation Planning Analysis (CSPA) was approved in June
- Guard against creation of new critical facilities

Critical Substation Planning Analysis (CSPA)

- Evaluate proposed system reinforcements, seek to prevent creation of new critical facilities
- If a proposed project fails CSPA Do No Harm study, technical specifications of a proposal may be modified

Support M-4 project

- Transmission Owner propose M-4 projects to address critical facilities identified as of 2018
- PJM provides review, verification and consultation

CIP-14 verification

- Transmission Owners evaluate and identify critical substations
- PJM provides third-party verification

Perform RTEP resilience studies

Support stakeholder resilience effort

Improve study procedure

Report findings to TEAC

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