



TPL-007-4

Transmission System Planned Performance for Geomagnetic Disturbance Events

Stan Sliwa
Transmission Planning
Planning Committee
April 7, 2026

- **Purpose:**
 - Establish requirements for Transmission system planned performance during geomagnetic disturbance (GMD) events.

- **Applicable to:**
 - Planning Coordinator
 - Transmission Planner
 - Transmission Owner
 - Generator Owner

With Facilities that include power transformer(s) with a high side, wye-grounded winding with terminal voltage greater than 200 kV

- PJM, as the Planning Coordinator and Transmission Planner, will maintain System models & GIC System models for its footprint
- To facilitate this process, PJM will need the assistance of member TOs and GOs to collect the appropriate modeling data

Maintain System & GIC System Models

- PJM will be requesting modeling data to update the GIC network model
 - Substation, transformer and other applicable facility information
- 2025 Series RTEP (2030 5-year cases) will be the data source
 - Cases will include the final W1 solutions
- Initial data request to occur 2nd Quarter of 2026
- PJM will be conducting GMD education via Webex on April 20th 1-5 PM in advance of the data request
 - This will help facilitate the data collection process and answer any questions.

Facilitator:
Megan Heater, Megan.Heater@pjm.com

Secretary:
Nicole Bugay, Nicole.Bugay@pjm.com

SME:
Stan Sliwa, Stanley.Sliwa@pjm.com

**TPL-007-4: Transmission System Planned
Performance for Geomagnetic Disturbance Events**



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

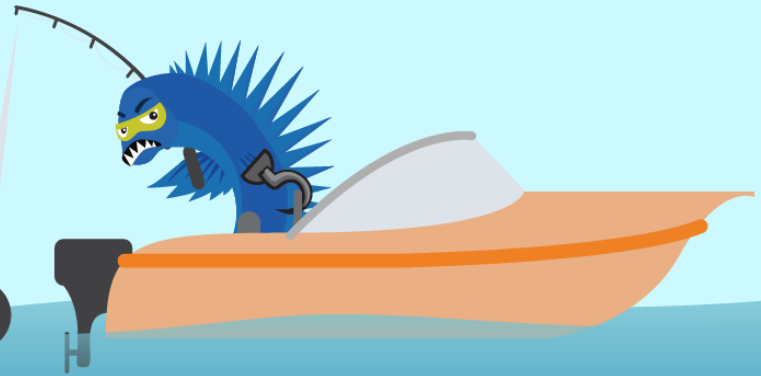
Version No.	Date	Description
1	March 31, 2026	<ul style="list-style-type: none"><li data-bbox="817 372 1294 422">• Initial slides posted

**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**