

# TPL-007-4

## Transmission System Planned Performance for Geomagnetic Disturbance Events

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Transmission Planning  
RSCS  
April 13, 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 &amp; 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 2<sup>nd</sup> Quarter of 2026
- PJM will be conducting GMD education via Webex on April 20<sup>th</sup> 1-5 PM in advance of the data request
  - This will help facilitate the data collection process and answer any questions.

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Performance for Geomagnetic Disturbance Events**



Member Hotline

(610) 666 – 8980

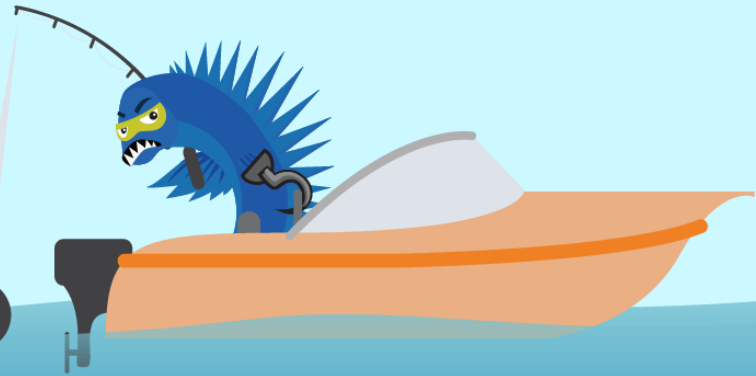
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Version No.	Date	Description
1	March 31, 2026	<ul style="list-style-type: none"><li>Initial slides posted</li></ul>

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POWER GRID**

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YOU CLICK!**



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MALICIOUS PHISHING  
EMAILS**



**Report suspicious email activity to PJM.  
Call (610) 666-2244 or email [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)**