



System Operations Subcommittee Update

Kevin Hatch
Sr, Manager, Dispatch
Operating Committee
June 6, 2024

- PJM SOS Summary
 - 1 Shared Reserve Events
 - 14 PCLLRW Events
 - 4 Non-Market PCLLRW Events
 - 3 Geomagnetic Disturbance Warning Event
 - 1 Geomagnetic Disturbance Action Event
 - 1 High System Voltage Event
 - 1 Hot Weather Alert Event

- Update on standards & compliance
- Review SCADA solution proposal
- Update on latest and upcoming eDART release
- Update on latest DTS meeting

- Security Briefing
- Reliability Compliance update
- First read Manual 13 rev 93

- Reviewed IROL load shed drill results
- Discussed BTM solar generation data
- Reviewed GMD action event

- National Oceanic and Atmospheric Administration (NOAA) Space Weather Prediction Center (SWPC) issued predictions for a geomagnetic storm on May 10, 11 and 12, ranging from a K6 to a K9 in magnitude.
 - PJM issued GMD Warning at 13:38 on 5/10/24 for K8 magnitude. GMD Warning ended at 0200 on 5/13/2024
 - K9 (highest most severe) was observed during event
- Most extreme geomagnetic storm since 2003, and the 27th strongest solar flare ever recorded.

- PJM declared GMD Action at 22:15 on 5/10/24, after at least two transformers were in violation for 10 minutes.
 - GIC were observed on multiple transformers across RTO
 - Two reactive control devices tripped. Investigation in progress.
 - Last GMD action issued 9/13/14
 - GMD action cancelled 5/11/24 at 12:00
- Activated Max Cred contingencies to operate system to GMD transfer limits
 - PJM did not bind on restrictive limits due to margin on interfaces
- PJM continued to see GMD activity throughout the next few days.
- Coordination with neighbors throughout event

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