



2023 PJM Spring RTO Restoration Drill Summary

Dispatcher Training Subcommittee

Doug Guignet

PJM Restoration Drill Coordinator
State and Member Training

- Provides an opportunity for members to:
 - Validate their individual restoration plan
 - Identify any issues that may need to be addressed
 - Comply with NERC Standards
- Learning opportunity for new Operators
- Drills require full participation from all Transmission Owners and all GOPs identified in the TO restoration plans
- PJM coordinates the drill via the DTS
- PJM awards NERC CEHs for drill participants

- Communications Check May 16, Drill May 17 & 18
- Two-day, RTO wide Spring Restoration Drill for the TOs and GOs
 - Large disturbance within PJM with majority of footprint blacked out
 - Utilize Generation and Transmission conditions and outages that exist on drill date
 - Transmission out of service for maintenance assumed unavailable

- PJM staffed 20 employees at the Milford Dispatch Training Simulator room. (Dispatchers, Training, Support Staff).
- Transmission Owners staffed their company simulators. No members were present at PJM.
- PJM Dispatchers utilized the Dispatch Training Simulator to model each TO's progress and provide a wide area overview.

- PJM provided a WebEx session to review drill expectations, logistics, record progress and answer any outstanding questions. An additional WebEx provided DIMA support.
- PJM performed communication checks with each participant to verify inbound/outgoing calls are received. No real-time numbers were used for TOs.

- TO – 200 Participants
- GO – 69 Participants
- PJM – 25 Participants
- Drill online Refresh – 63 Participants

- Satisfaction Rating – 4.0/5

- CEHs awarded for drill – 3017
- CEHs awarded for on line refresh - 63

- It is always beneficial to go over System Restoration and run through the plan
- Gaining familiarity with the restoration process and procedure
- Learning more about the transmission system and how and when to pick up load
- Listening to what the transmission companies had to go through and reviewing needed reporting requirements for generators.

- SharePoint
 - The SharePoint worked well for this drill
 - Instructions should be available prior to Drill date
 - Follow-up ahead of drill date to ensure member companies understand process of logging/submitting forms
 - Very efficient
- ALL feedback for all aspects of the drill is very welcomed and appreciated

- “While we already knew it, the drill highlighted the importance of communication and coordination with neighboring systems”
- “New operators getting more experience with the System Restoration Plan -this PJM spring restoration drill was a great learning opportunity”
- “Challenge faced- finding the correct loads to energize to keep the frequency from declining too much”

- Fall Drills – Planning will begin with July DTS

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