



2024 PJM Spring RTO Restoration Drill Summary

System Operations Subcommittee

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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 GOP's identified in the TO restoration plans
- PJM coordinates the drill via the DTS
- PJM awards NERC CEH's for drill participants

- Communications Check May 14th, Drill May 15 & 16th
- 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 22 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 along with the DIMA application 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 TO's.
- Initial SharePoint problem resolved, users able to create and submit reports.

- TO – 136 Participants
- GO – 63 Participants
- PJM – 20 Participants
- Drill online Refresh – 36 Participants

- Satisfaction Rating – 4.4/5

- CEHs awarded for drill – 2387
- CEHs awarded for on line refresh - 36

- Restoration drills raise the awareness level of all operators. This is always useful in our organization.
- 3-Part Communication and participation in interconnection with other companies.
- Trying to tie with outside companies. In our normal drills we do not simulate syncing with outside companies.
- We had an Operator serve in a new role. He performed as the Lead for the first time during this drill, and it helped him to learn to plan, delegate, see the big picture.
- Experiencing a simulated site black out and our exact role in the restoration is extremely helpful to prepare for any future restorations.

Fall Drills –

- Drills will take place between 9/23 and 10/28
- Companies planning to participate at the Milford campus using the PJM simulator should contact us ASAP

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