



2025 PJM Spring RTO Restoration Drill Summary

System Operations 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 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 12th, Drill May 14 & 15th
- 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
- Members provided injects which were modeled into the simulation

- PJM staffed 22 employees at the Milford Dispatch Training Simulator room. (Dispatchers, Training, Support Staff).
- Transmission Owners staffed their company simulators. Several TOs used table-top simulation. No members were present at PJM.
- PJM Dispatchers utilized the Dispatch Training Simulator which included TO submitted injects. The DIMA application was also available to show 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.

- Total participants (includes TO and GOs)
 - Drill Day One - 338
 - Drill Day Two - 317
- Satisfaction Rating – 4.6/5
- CEHs awarded for drill – 3611

- Communication with other TO's during the restoration
- Listening to the discussions between the TO, RO, and Shift Manager when conditions meant that the procedure needed to be deviated from.
- Simulating the start of our black start unit under management upon request during the drill.
- The coordination within our team and distribution colleagues.
- Building cranking paths to generation.

- Fall Drills
Planning will begin with July DTS

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