

2016 PJM Fall Company Restoration Drills

| Drill Date(s) | Date | Day | Company | Time |
|---|-------------------|-----------|-----------------------------------|---|
| | September 27-28 | Tues-Wed | AEP –DEOK, ITC | 27 th 1130-1530, 28 th 0730-1130 |
| | September 28 - 29 | Wed-Thurs | Dominion | 28 th 0830-1500, 29 th 0730-1500 |
| | Oct 11 | Tues | PEPCO – BC (SMECO) | 0730-1530 |
| | Oct 13 | Thurs | AE - Delmarva | 0730-1530 |
| | Oct 19 | Wed | FE South – FE PN – Duq. | 0730-1530 |
| | Oct. 20 | Thurs | PPL – UGI – Fe ME | 0730-1530 |
| | Oct 25 | Tues | Dayton - EKPC | 0730-1530 |
| | Oct 27 | Thurs | FE West (ATSI) (CPP,Reco @PJM) | 0730-1530 |
| | Nov 1 | Tues | PECO – ComEd – RMU | 0600-1400 (PECO) 0730 – 1530 (COMED,RMU) |
| | Nov. 2 | Wed | PS | 0730-1530 |
| | Nov. 3 | Thurs | FE JC | 0730-1530 |
| Red = Drill at Member Company Location | | | | |

Drill Summary

General Information:

The PJM 2016 Fall Restoration Drill provides an opportunity for all applicable entities to comply with NERC Standard EOP-005-2 & EOP-006.

TO Expectations:

- Begin the restoration simulation with a “Bottom Up” approach utilizing the PJM approved TO system restoration manual while adhering to PJM Manual 36. **After bottom up restoration strategies have been utilized, a “top down” approach will be used.**
- Utilize “Cross Zonal Black start Units” if identified in the TO restoration manual.
- **Keep nuclear units informed on the status & estimated time of safe shutdown power.**
- Contact participating GOs if their units are located within the TO zone to request information on availability and time to start. If you would like the unit on-line, request from the GO that the unit commence a **simulated** start-up for drill purposes only.
- Document all applicable times in the PJM/TO restoration binder.
- PJM Dispatchers will be on-site to answer any questions and to interact with the TO during the restoration drill.

GO Expectations:

- Participate as needed with the TO during the restoration drill in the zone where your units are located.
- Provide requested information to the TO regarding unit availability and/or unit start-up times.
- Document and send updates to PJM as requested (per Manual 36) with unit data in the requested TO zone.
- During the drill, current day generation status will be what is used as the status of generation plants for the drill.

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| <p>Drill Communications</p> | <p>TO-MOC Communications Script</p> <p>"This is a drill, this is a drill. This is (Operator Name) from (Company Name). I am participating in the 2016 fall restoration drill & I am requesting you to (Specify Simulated Action Required). This is a drill. Do not perform an actual operational task with your unit."</p> |
| <p>Drill CE Hours</p> | <p><u>TO</u> Participation In-Person: 8 CEHs</p> <p><u>GO</u> Participation In-Person: 8 CEHs</p> <p><u>GO</u> Participation Remotely: 2 CEHs (may receive credit for participation in 2 zones' restoration drill as applicable)</p> |
| <p>Forms</p> | <ol style="list-style-type: none"> Drill Participation Form - http://pjm.com/~media/training/member-training-liaison-forms/att-d-app-4.ashx This form must be completed by all entities participating in the drill in order to receive CE credit. If TOs have GOs participating in the drill at their location, please include those participants on their list along with their company name. Please email to: trainingsupport@pjm.com Drill Evaluation Form – This will be available via the PJM LMS at the conclusion of the drill. Company Initial Restoration Report – This form (from M-36) should be completed within the first hour of the drill. Please email to: RestorationDrill@pjm.com Company Transmission Restoration Report - This report (Exhibit 15, M-36) needs to be submitted <u>every 10 lines restored or every 30 minutes</u>. NOTE: You do not have to submit a form if you did not restore any transmission lines in the past 30 minutes. Log Sheets – At the conclusion of the drill, participants should submit any log sheets such as the <i>Company Transmission Restoration Report</i> found in Exhibit 15, M-36, load restoration times and other relevant documentation. Please email to: RestorationDrill@pjm.com |
| <p>Online Training Information</p> <p>CE Hours:</p> | <p>An online training refresh related to the drill activities will be available via the PJM LMS on or around 9/14/16. A message will be sent out to the DTS when it is available.</p> <p>1.0 (approx.)</p> |
| <p>Questions</p> | <p>For questions pertaining to the drill please contact:</p> <p>Ryan Lifer - Ryan.Lifer@pjm.com or 610-680-6535</p> <p>Danny Restucci – Daniel.Restucci@pjm.com or 610-666-8236</p> <p>Ethan Porter – Ethan.Porter@pjm.com</p> <p>For questions pertaining to the online training or CE hours please contact:</p> <p>Anita Patel – Anita.Patel@pjm.com or 610-666-8205</p> <p>TrainingSupport@pjm.com</p> |