## Drill Date(s)

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Company</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1-2</td>
<td>Wed &amp; Thurs</td>
<td>AEP, DEOK, DAYTON, EKPC</td>
<td>1st 1130-1530, 2nd 0730-1130</td>
</tr>
<tr>
<td>October 2</td>
<td>Thur</td>
<td>Dominion</td>
<td>0800-1600</td>
</tr>
<tr>
<td>October 7-8</td>
<td>Tue</td>
<td>FE South – 7th Duquesne - 8th</td>
<td>7th 1130-1530, 8th 0730-1530</td>
</tr>
<tr>
<td>October 8</td>
<td>Wed</td>
<td>DPL, AE</td>
<td>0800-1600</td>
</tr>
<tr>
<td>October 15</td>
<td>Wed</td>
<td>PEPCO-BGE</td>
<td>0730-1530</td>
</tr>
<tr>
<td>October 16</td>
<td>Thur</td>
<td>PECO, ComEd</td>
<td>PECO - 0600-1400, ComEd - 0700-1500</td>
</tr>
<tr>
<td>October 21</td>
<td>Tue</td>
<td>FE-ME, PPL, UGI</td>
<td>0800-1600</td>
</tr>
<tr>
<td>October 22</td>
<td>Wed</td>
<td>FE-West (ATSI), CPP</td>
<td>0800-1600</td>
</tr>
<tr>
<td>October 28</td>
<td>Wed</td>
<td>FE-PN</td>
<td>0800-1600</td>
</tr>
<tr>
<td>October 29</td>
<td>Wed</td>
<td>FE-JC</td>
<td>0800-1600</td>
</tr>
<tr>
<td>November 5</td>
<td>Wed</td>
<td>PS, Rockland</td>
<td>0800-1600</td>
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</tbody>
</table>

*Red = Drill at Member Company Location*

## Alternate Date

| N/A |

## Drill Summary

### General Information:

The PJM 2014 Fall Restoration Drill provides an opportunity for all applicable entities to comply with NERC Standard EOP-005-2 & EOP-006.

### NERC Standard EOP-005-2

**Purpose:** Ensure plans, Facilities, and personnel are prepared to enable System restoration from Black start Resources to assure reliability is maintained during restoration and priority is placed on restoring the Interconnection.

**Applicability:**

1. Transmission Operators
2. Generator Operators identified in the TO’s restoration plan
3. Transmission Owners identified in the RC’s restoration plan
4. Distribution Providers identified in the TO’s restoration plan

### NERC Standard EOP-006-2

**R10:** Each Reliability Coordinator shall conduct two System restoration drills, exercises, or simulations per calendar year, which shall include the Transmission Operators and Generator Operators as directed by the particular scope of the drill, exercise, or simulation that is being conducted.

To make the training and learning experience of the 2014 Fall Restoration Drills as successful as possible, PJM has requested the GOs to participate (as needed) with the applicable TOs.
Drill Summary

**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.
- Utilize “Cross Zonal Black start Units” if identified in the TO restoration manual.
- 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.

Each drill day, PJM will have a morning meeting with all participants to discuss the scope of the restoration drill. GOs will be provided with a conference call number and access to a real time WebEx to stay informed on the drill progress. At the conclusion of each drill, PJM & the TO drill coordinator will conduct a restoration drill debrief to discuss the value of the drill and identify any lessons learned.

Drill Communications

**TO-MOC Communications Script**
"This is a drill, this is a drill. This is (Operator Name) from (Company Name). I am participating in the 2014 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."

Conference Call Information

The information for all PJM Drill Conference Calls is as follows:

**Conference Call Number:** 866-546-3377  
**Access code:** 522590  
**Meeting Password:** frd2014pjm

**WebEx Link:**

**NOTE:** The WebEx and conference call will begin at the start of the drill and will remain on throughout the drill. Participants will also have the option to “Chat” questions during the drill via WebEx.
# 2014 PJM Fall Company Restoration Drills

## Drill Contact Information
The WebEx for each drill will list relevant contact numbers specific to that drill.

## Drill CE Hours

<table>
<thead>
<tr>
<th>Type</th>
<th>CE Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO Participation In-Person</td>
<td>8 CEHs</td>
<td></td>
</tr>
<tr>
<td>GO Participation In-Person</td>
<td>8 CEHs</td>
<td></td>
</tr>
<tr>
<td>GO Participation Remotely</td>
<td>2 CEHs (may receive credit for participation in 2 zones’ restoration drill as applicable)</td>
<td></td>
</tr>
</tbody>
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## Forms

1. **Drill Participation Form** - [http://pjm.com/~media/training/member-training-liaison-forms/att-d-app-4.ashx](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

2. **Drill Evaluation Form** – This will be available via the PJM LMS at the conclusion of the drill.

3. **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

4. **Log Sheets** – At the conclusion of the drill, participants should submit any log sheets such as the *Company Transmission Restoration Report* found in Exhibit 15, M-36, load restoration times and other relevant documentation.
   - Please email to: RestorationDrill@pjm.com

## Online Training Information
An online training refresh related to the drill activities will be available via the PJM LMS on 9/15/14. A message will be sent out to the DTS when it is available.

**CE Hours:** **1.0**

## Questions
For questions pertaining to the drill please contact:

- Danny Restucci – Daniel.Restucci@pjm.com
- Kevin Hatch – Kevin.Hatch@pjm.com
- Ryan Lifer - Ryan.Lifer@pjm.com

For questions pertaining to the online training or CE hours please contact:

- Russ Fernsler – Russell.Fernsler@pjm.com
- Anita Patel – Anita.Patel@pjm.com