

2015 PJM Fall Company Restoration Drills

Drill Date(s)	Date	Day	Company	Time
	September 29 - 30	Tues & Wed	AEP, DEOK*	29 th 1130-1530 30 th 0730-1130
	October 1	Thur	Dominion	0800-1600
	October 7	Wed	PEPCO-BGE	0800-1600
	October 8	Thur.	AE DPL	0800-1600 0800-1600
	October 14	Wed	FE South-PN-DUQ*	0800-1600
	October 15	Thur	PPL-FE ME-UGI*	0800-1600
	October 21 - 22	Wed & Thur	Dayton-EKPC	21 st 1130-1530 22 nd 0800-1200
	October 22	Thur	FE-West (ATSI), CPP	0800-1600
	October 28	Wed	ComEd-RMU PECO	0800-1600 0600-1400
	October 29	Thur	FE-JC	0800-1600
	November 4	Wed	PS, Rockland	0800-1600
<p><u>Red = Drill at Member Company Location</u> *Cross Zonal</p> <p>All times listed are Eastern Daylight Time (EDT)</p>				
Drill Summary	<p>General Information:</p> <p>The PJM 2015 Fall Restoration Drill provides an opportunity for all applicable entities to comply with NERC Standard EOP-005-2 & EOP-006.</p> <p>NERC Standard EOP-005-2</p> <p>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.</p> <p>Applicability:</p> <ol style="list-style-type: none"> 4.1. Transmission Operators 4.2. Generator Operators identified in the TO's restoration plan 4.3. Transmission Owners identified in the RC's restoration plan 4.4. Distribution Providers identified in the TO's restoration plan <p>NERC Standard EOP-006-2</p> <p>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.</p> <p>R10.1: <i>Each Reliability Coordinator shall request each Transmission Operator identified in its restoration plan and each Generator Operator identified in the Transmission Operators' restoration plans to participate in a drill, exercise, or simulation at least every two calendar years.</i></p>			

<p>Drill Summary</p>	<p><u>TO Expectations:</u></p> <ul style="list-style-type: none"> - 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 <i>simulated</i> 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. <p><u>GO Expectations:</u></p> <ul style="list-style-type: none"> - 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.
<p>Drill Communications</p>	<ol style="list-style-type: none"> 1. 30 Minute Prior to Start of Drill – PJM will contact each participating GO to advise them of any required pre-drill information 2. Conclusion of the Drill - PJM will contact each participating GO to conduct an individual debrief <p><u>TO-MOC Communications Script</u></p> <p>"This is a drill, this is a drill. This is (<u>Operator Name</u>) from (<u>Company Name</u>). I am participating in the 2015 Fall Restoration Drill & I am requesting you to (<u>Specify Simulated Action Required</u>). 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>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 9/15/15.</p> <p>1.0</p>

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Forms	<ol style="list-style-type: none">1. 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.com2. 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.com4. 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
Questions	<p>For questions pertaining to the drill please contact:</p> <p>Danny Restucci – Daniel.Restucci@pjm.com Kevin Hatch – Kevin.Hatch@pjm.com Ryan Lifer - Ryan.Lifer@pjm.com</p> <p>For questions pertaining to the online training or CE hours please contact:</p> <p>Anita Patel – Anita.Patel@pjm.com Doug Guignet - Douglas.Guignet@pjm.com</p>