



# Annual Grid Security Drill

Audience: System Operator Subcommittee (SOS)

Wednesday, Feb. 24th, 2016

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BCP Coordinator

Michael Lawruk  
Sr. System Operator Trainer

- **Who:** PJM and its members
- **What:** System-wide Grid Security Disturbance Drill to assess the readiness of incident response and system restoration capabilities in the event of operational disruptions as a result of coordinated cyber and physical attacks upon the Bulk Electric System.
- **When:** Wednesday, Nov. 9, 2016
- **Where:** Transmission Owner Drill participants shall participate from their normal places of work. Generation Owner Drill Participants shall take part in a tabletop exercise at PJM.

## Objectives

1. To conduct a coordinated incident response exercise with PJM transmission and generation owners to incent improvements in security preparedness
2. To simulate a series of concurrent cyber and physical attacks upon the Bulk Electric System and its Extra High Voltage substations resulting in the implementation of incident response procedures.

1

**Exercise crisis response and recovery plans**

2

**Improve communication**

3

**Implement Lessons Learned from GridEx III**

4

**Identify additional lessons learned**

## Coordinated Planning:

- PJM and organizational planners will create a master scenario event list.
- Organizations are encouraged to invite their Service / Utility Commission member of the Organization of PJM States to observe their onsite drill.
- PJM will invite the Pennsylvania Public Utility Commission to observe PJM's response efforts during the drill.
- Organizational lead planners will start to identify facilities (substations) to be subjected to the MSEL's notional attacks.
- Participation feedback by March 11<sup>th</sup> 2016
- Kickoff WebEx Meeting with Lead Planners and Trainers will start the end of March 2016.
- On-site meeting: May 2016 at PJM



| Organization                     | Lead Planner | Lead Trainer |
|----------------------------------|--------------|--------------|
| Duke Energy Ohio/Kentucky TO     |              |              |
| AEP/GOP                          |              |              |
| PPL                              | X            |              |
| Gridforce                        |              |              |
| BGE                              |              |              |
| Rainbow Energy                   |              |              |
| PSE&G                            |              |              |
| Pepco                            | X            | X            |
| ACE/DPL                          | X            | X            |
| RECO (Rockland Electric)         |              |              |
| FES Competitive Generation Group | X            |              |
| ComEd                            | X            | X            |
| PECO                             | X            | X            |
| Twin Eagle                       | X            | X            |

## PJM Lead Planners:

LeRoy Bunyon, BCP Program Lead

Mike Lawruk, Sr. System Operator Trainer

## PJM Drill Component Planners:

Anita Patel, Sr. Trainer - State and Member Training

Desiree Sidella, BCP Coordinator

Joyce Fagerland, Sr. Security Analyst - Physical Security & BCP

Don Wallin, Sr. Lead System Operator Trainer

Send Questions to [bc\\_planning@pjm.com](mailto:bc_planning@pjm.com)