



GridEx IV

Members and PJM Coordination Awareness Presentation

Audience: Systems Operations Subcommittee (SOS)
Thursday, March 2, 2017



LeRoy Bunyon
BCP Program Lead

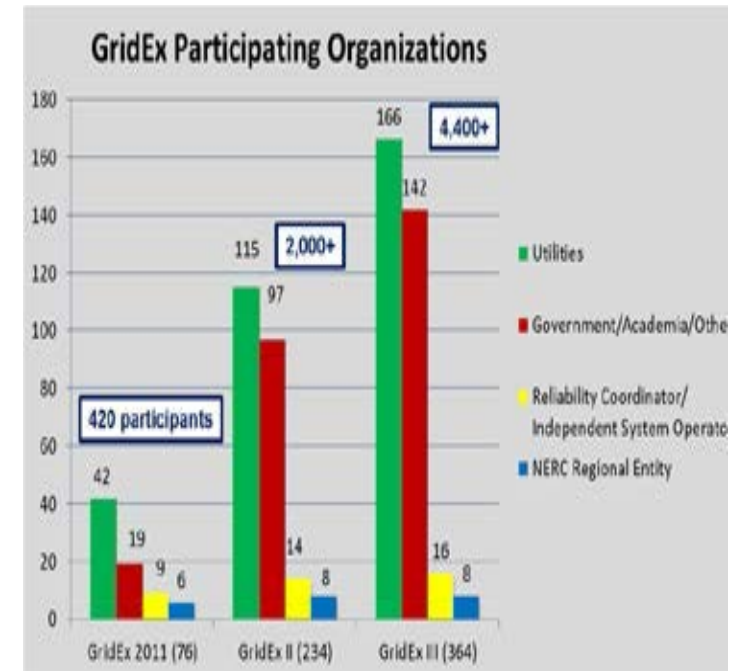
Michael Lawruk
Sr. Lead System Operator Trainer

What: NERC Sponsored, North America-wide grid resilience exercise conducted every 2 years. For 2017 dates will be November 15 – 16.

Purpose: Strengthen the industry’s capability to respond to and recover from simulated severe security events affecting the bulk power system.

Who: NERC-registered entities and others as determined by individual entities (e.g., law enforcement, local government, suppliers). Voluntary, not mandatory.

How: Simulated cyber and physical attacks that degrade bulk power system operations.



GridEx IV Objectives

Exercise incident response plans

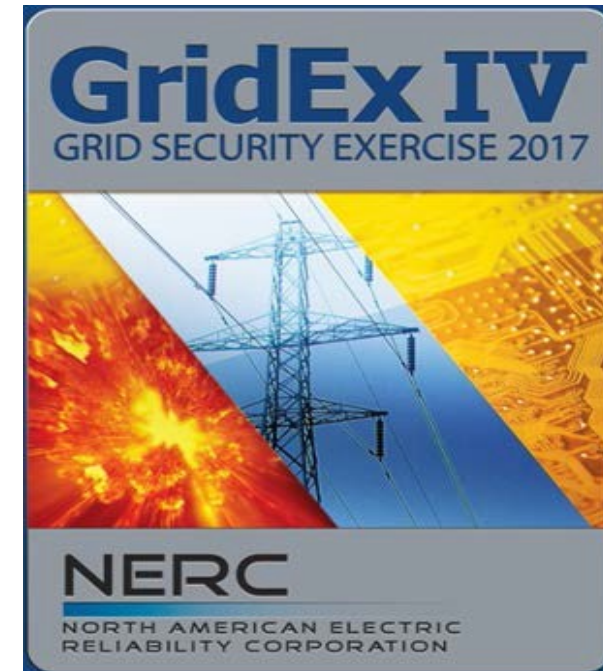
Expand local and regional response

Engage critical interdependencies

Improve communication

Gather lessons learned

Engage senior leadership



Coordinated Planning:

- PJM and Organizational Lead Planners will customize the GridEx IV Master Scenario Event List (MSEL).
- Organizational Lead Planners will identify locations to be notionally attacked.
- If available, grid simulators will be used for exercise play on Nov 15, 2017 and Nov 16, 2017.

During the exercise, PJM will participate in the following capacities:

- Balancing Authority
- Crisis Communications
- Cyber Security Incident Response
- IT Disaster Asset Level Recovery
- Physical Security Incident Response
- Reliability Coordinator



Internal Planning Sessions:

- PJM Lead Planning Sessions (started February 28th-biweekly)
- RC to RC (NYISO, MISO, PJM) (in progress)
- PJM and Members Meetings (starting April 11th-monthly)
- Internal Stakeholders Meeting (managers meeting and resources meeting)

The Ask is the following:

- Drill invitation letters will be going out on Friday March 3rd.
- Please confirm participation by March 31st.
- Communicate lead planners and trainers to PJM.

Contact PJM GridEx IV Planning Team at PJMGridExIV-PlanningTm@pjm.com

