



GridEx III Overview

Public Interest and Environmental Organizations User Group

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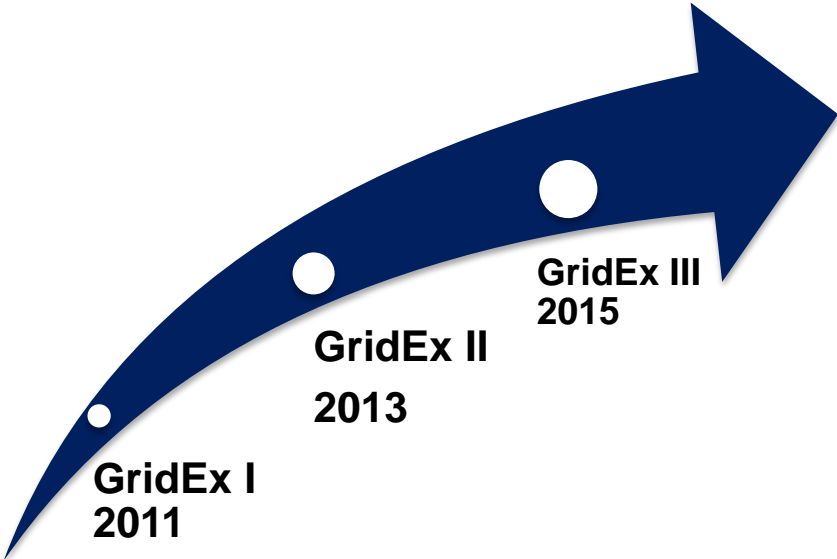
Desiree Sidella
Sr. BCP Coordinator

What: NERC Sponsored, North American -wide grid resilience exercise conducted every 2 years. Exercise will occur over a two day period (November 18 -19 2015).

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

Who Participates: Nation-wide NERC-registered entities, such as Balancing Authorities, Generator Operators, Transmission Operators, Reliability Coordinators, Distribution Providers and others as determined by individual entities (e.g., law enforcement, local government, suppliers). Voluntary, not mandatory.

How Conducted: Simulated cyber and physical attacks that degrade bulk power system operations conducted as a table top exercise across multiple industry participants.



- 1** Exercise crisis response and recovery plans
- 2** Improve communication
- 3** Identify lessons learned
- 4** Engage senior leadership

Participant Metrics:

Number of registered participants: 1630

Number of registered organizations: 226



Utilities Participation Status Breakdown

Active: 94

Observing: 54

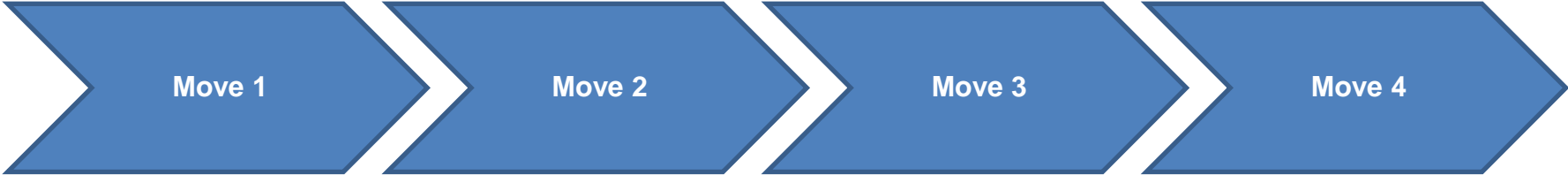
Unmarked: 4

Source: Bill Lawrence, PMP
 Senior Manager of Critical Infrastructure Protection Awareness
 NERC - Electricity Information Sharing and Analysis Center (E-ISAC)

- AES/DPL
- BG&E
- ComEd
- Constellation
- Dominion
- First Energy
- Exelon-Gen
- PECO
- PEPCO
- PPL
- PSE&G



Initial Attach Vector / Background
Nation State Sponsored Adversary Develops Target List And Obtains Physical And Cyber Presence



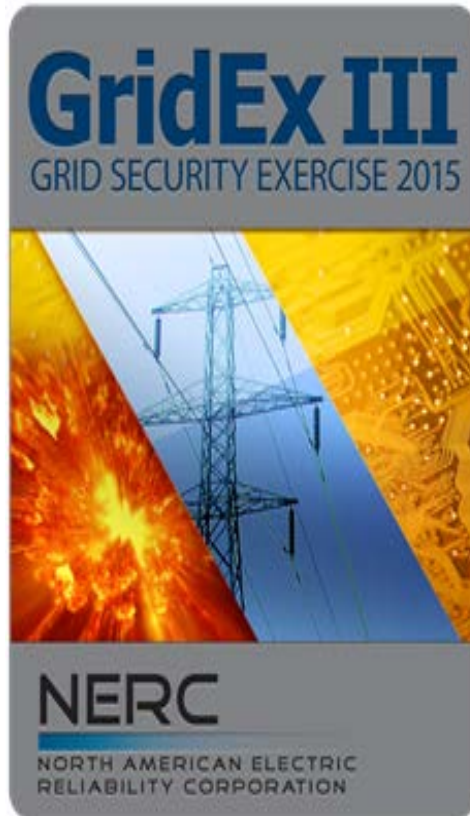
• **Initial conditions and information sharing**

• **Coordinated cyber and physical attacks**

• **Reliability impacted and media attention**

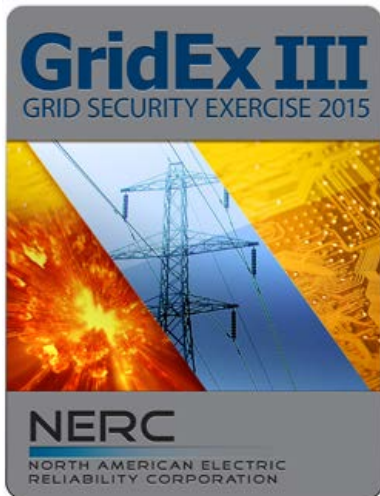
• **Restoration and prevention**





PJM, as Balancing Authority and Reliability Coordinator, will exercise the following capabilities:

- Crisis Communications
- Cyber Security Incident Response
- IT Disaster Asset Level Recovery
- Physical Security Incident Response



Sign-up to participate in the exercise directly.



PJM to provide a debrief of exercise and lessons learned at a future PIEOUG meeting (Dec / Jan)

Register at

<https://gridex.simulationdeck.net>