

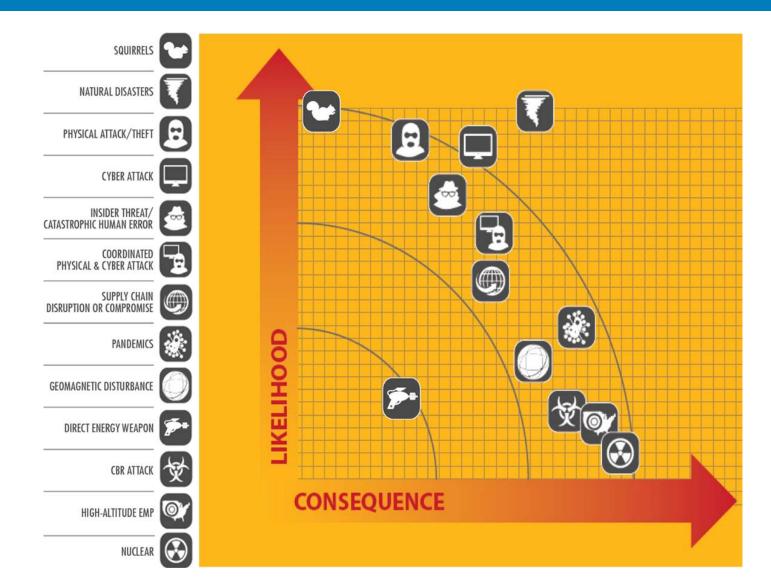
Electric Sector Approach to Grid Security

Federal Utility Partnership Working Group Seminar
Nashville, TN
April 19, 2018

Overview

- The Threat Landscape
- Real World Events
- Approach to Grid Security
- Industry-Government Partnership
- Distribution Grid Security

Threat Landscape



Perception vs. Reality

Energy Services Group March/April 2018

Russian Sanctions March 2018

Ukraine Cyber Attacks December 2015 & 2016

Our Approach to Grid Security

Industry-Government Incident Response Regulations **Partnership Electricity Subsector Coordinating Council Grid Resiliency Physical** (ESCC) **Electricity Information Sharing & Mutual Assistance** Cyber **Analysis Center** (E-ISAC) Partnerships with **Spare Equipment** federal, state, & local **Programs** governments

Distribution Grid Security

- New technologies and increased connectivity create new risks
- Distribution system owners are responsible for grid operability and reliability
- There are key differences between the transmission and distribution networks
- Protection of critical infrastructure is a shared responsibility
- More collaboration among public and private stakeholders is needed

Thank you!

Questions?

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