Distribution System Security Considerations

Transmission, Distribution, Metering & Mutual Assistance Conference

David Batz,
Senior Director, Cyber and Infrastructure Security

October 2, 2018
Our Discussion Today

- Three Different Perspectives on Opportunities and Risk
- Operations and Policy
- Goal: Provide Additional Insight, Background and Questions to Consider Within your Organization
Security & Resilience at the Distribution Level

Integrating Technologies at the Grid Edge

This report is available on the CCIF Web site at www.CCIForum.com
(Potential) Adversaries

- Script Kiddies
- Business Network
- Hacktivists
- Irregular Actors
- Disgruntled Insider
- Nation State/State Sponsored
1. Security of the energy grid must be a top priority. While new technologies may create new choices and benefits for customers, they also may introduce vulnerabilities that could impact the safety, reliability, and resilience of distribution networks.
2. As new technologies are integrated into the distribution system and as physical and cyber threats evolve, energy companies and other energy providers must deploy sufficient resources and must develop strategies to anticipate and to respond to such threats.
4. Energy companies, other energy providers, technology companies, regulators, governmental agencies, and other applicable security professionals should collaborate to ensure the security of the distribution system.

(Supply Chain)
7. Because not all incidents can be prevented, energy companies and other energy providers should be prepared to respond to—and recover from—physical and cyber security incidents (e.g., supplemental operating strategies and mutual assistance).

(Resilience & Recovery)
New Restoration and Recovery Measures