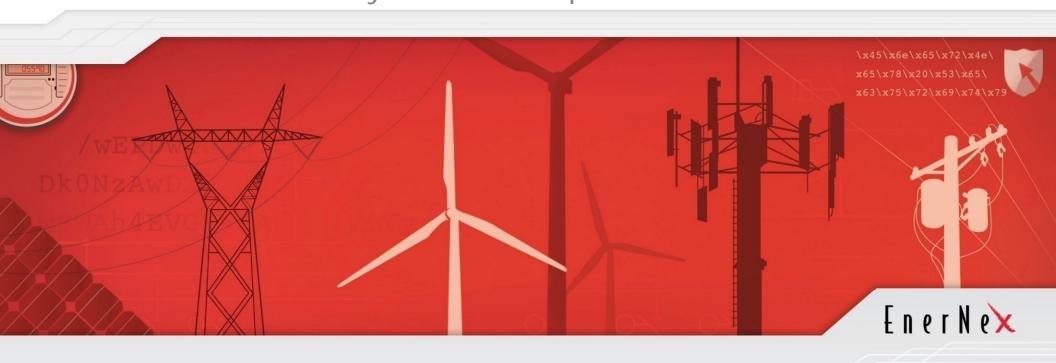
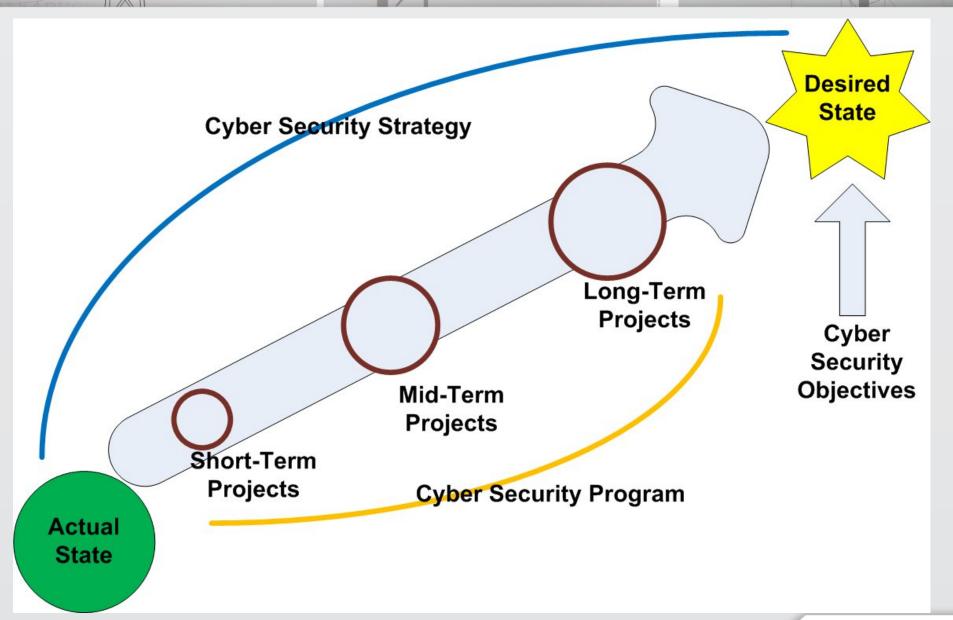
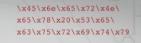
Cyber Security Solutions & Practices?

Presented By: Sandy Bacik, Principal Consultant



Cyber Security Strategy & Program





How Do We Govern Assets?

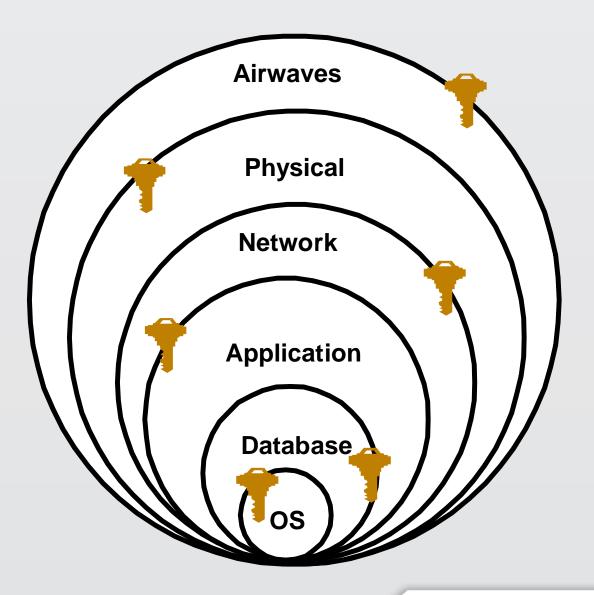
- Administrative and managerial measures
 - Policies & procedures guide behavior
 - Acceptable use
 - Roles and responsibilities
 - Serve business need
 - Systems configured & maintained to policy specification
 - ALL PEOPLE

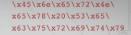
- Physical
 - Buildings, floors
 - Locks, key cards, guards
 - Hot, warm, off-site storage
 - Desks, recycling & shred bins, dumpsters
 - Cameras, access logs
 - Background checks
- ► Technical measures
 - Authentication
 - Access control (segregation of duties)
 - Audit
 - Automated software
 - Logging and monitoring



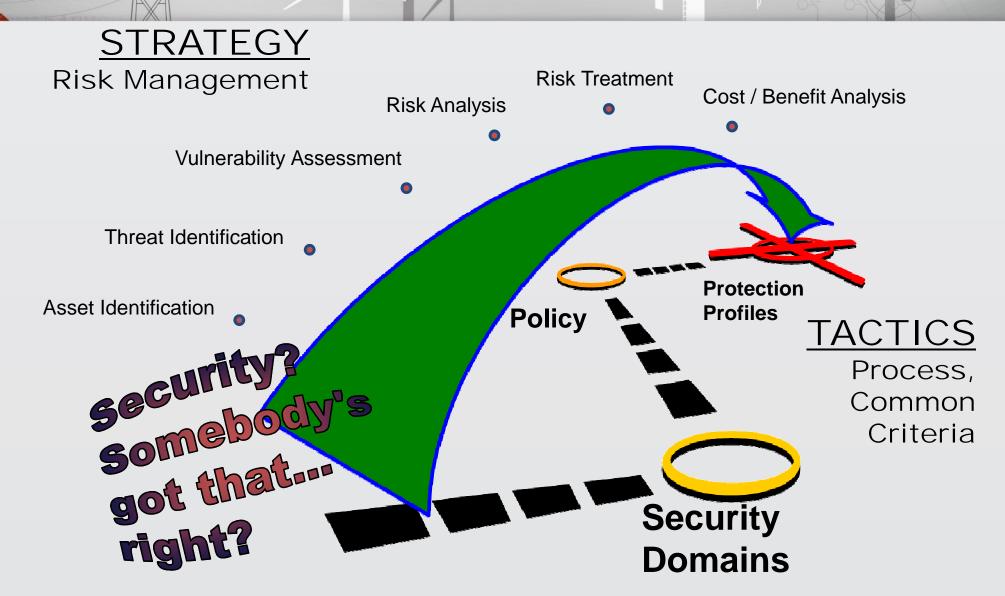
Asset Protection in Layers

Need to establish depth-in-defense when implementing security





Developing the Security Architecture





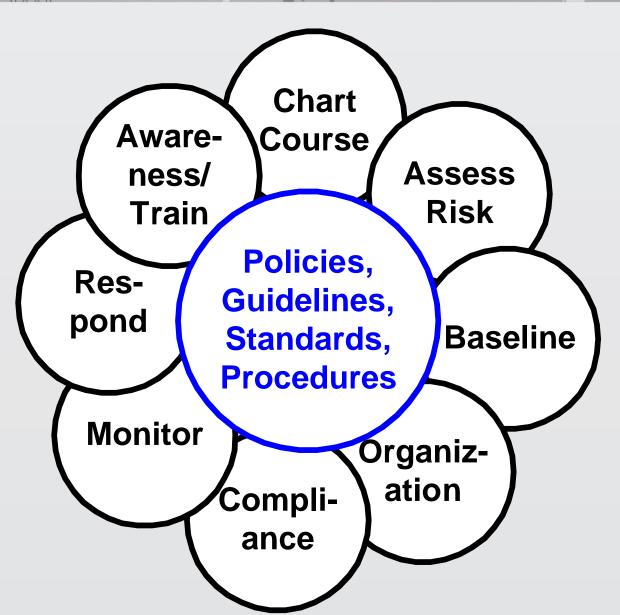
Hardware Software Data People, Procedures, and **Facilities**

Hardware and software is replaceable, it is not customized

Data risk is larger, because it takes much to recreate it should something happen

People are sometimes a wildcard when dealing with assets

Continuous Process



Reference: Building an Effective Information Security Policy Architecture, by Sandy Bacik, Page16. Governance

Risk

Audit

Compliance

Cybersecurity

Convergence of all activities protecting all assets

Think about all areas, including the business processes, when developing asset protection.

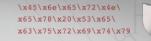
Saves time in the future.

Cyber Security Strategy Basic

\x45\x6e\x65\x72\x4e\ x65\x78\x20\x53\x65\ x63\x75\x72\x69\x74\x79

- Foundation
- 1. Strategic Alignment
- 2. Executive Management Support
- 3. Regulatory Requirements
- 4. Cyber Security Strategy Framework
- Current State
- 6. Desired State
- 7. Cyber Security Program framework
- 8. Create the Cyber Security Program
- 9. Establish Key Performance Indicators
- 10. Do Check Act





EnerNex Cyber Security Offerings

- Security Architecture and Policy Development
- Utility Automation Security
- ► NERC-CIP
- Hardware Embedded Security
- Security & Penetration Testing
- Vulnerability Analysis
- Risk Assessments
- Security Audit Development
- Regulatory Compliance
- Security Training



 Clients: Consumers Energy, U.S Department of Energy, Duke Energy, Florida Power & Light (FPL), Southern California Edison (SCE), Tennessee Valley Authority (TVA), TXU Energy

Thank you for attending

- Contact me: <u>sandy.bacik@enernex.com</u>
- Visit us on the web: <u>www.enernex.com</u>

- Follow us on Twitter @ EnerNex
- Connect with us on LinkedIn
- Subscribe to the EnerNex blog

