

A DIVISION OF NERC



E-ISAC

ELECTRICITY
INFORMATION SHARING AND ANALYSIS CENTER

Long-Term Strategy Update

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Technology and Security Committee Meeting
February 6, 2019

RELIABILITY | RESILIENCE | SECURITY





- Strategic Plan Update
 - Engagement
 - Information Sharing
 - Threat Analysis
- Resource Planning
- Key Challenges



- 7,070 E-ISAC Members
 - 17% increase in 2018 (Average of 22 added per week)
 - Increased focus on customer relationship management
- Industry Engagement Program
 - 2018
 - 21 analysts from 16 organizations (Ameren, ConEd, CPS, Duke, Exelon, GRDA, Hydro Quebec, JEA, LES, LADWP, NYPA, NPPD, OPPD, SMUD, Southern, SRP)
 - 2019
 - 6 sessions planned (January, March, May, July, September, December)
 - Expand participation to all asset owner and operators
 - Increased support and participation from Trade Associations
 - Utility Technology Council--planning to host a webinar on the IEP
 - Ongoing industry engagement in cooperation with Regional Entities



- U.S. Government Agencies
 - DOE—quarterly meetings
 - DHS—NCCIC attendance. Periodic meetings with DHS leadership
 - FERC—engagement with Office of Infrastructure Security
 - DOD—focused on USCYBERCOM support to sector
- Canadian Government Agencies
 - Ongoing meetings with Canadian security establishment to enhance reciprocal information sharing

- Three Main Strategic Objectives

- Highlight the value of the E-ISAC through discussion and demonstration of increased capabilities
- Provide a deeper understanding of the benefits of E-ISAC membership
- Strengthen the E-ISAC's relationship with Canadian members

- Outreach Efforts

- Kickoff in November 2018, met with Atlantic Provinces Regulators and New Brunswick Power, Emera
- Canadian Electricity Association, Hydro Quebec, Canadian Center for Cyber Security, IESO, Centre for Energy Advancement through Technological Innovation (CEATI)

- 2019 Outreach Efforts
 - CEA Security & Infrastructure Protection Meetings (Quarterly)
 - Continue Focused Engagement Across Canada
 - British Columbia
 - Calgary
 - Nova Scotia/Newfoundland
 - Toronto/Quebec
 - Direct engagement with IESO
 - Energy and Utility Sector Network Meeting in St. Johns
 - CEATI and Infrastructure Protection and Security Interest Group engagement
 - GridSecCon 2019 Classified Briefing
 - CIPC 2019 Classified Briefing



- Portal
 - Approximately 17% increase in registered users
 - Cyber and physical bulletins posted
 - Cyber--297 thru Q4 2018
 - Physical--207 thru Q4 2018
 - Two private User Communities in soft-launch phase
 - Additional portal enhancements under development



- **CRISP**
 - Membership continues to increase, which also reduces participant costs
 - Public power pilot under development
 - Evaluating additional software for CRISP data analysis
- **Cyber Automated Information Sharing System**
 - Machine-speed sharing of cyber indicators of compromise
 - Operational in Q4 2018-29 participants
- **Malware Analysis Repository and Threat Information Exchange**
 - “Dropbox” for submitting suspected malware files for advanced analysis
 - DOE and E-ISAC conducting vendor capabilities gap analysis



- Data Storage and Management System
 - Central data repository
 - Early stages of requirements and business case development
- Customer Relationship Management System
 - Evaluating RFP responses
- DHS Shared Resources HF Radio Disaster Recovery Capability
 - Enhanced disaster communications capability
 - Expected delivery of equipment Q1 2019



- Unclassified Threat Briefings (2018 and 2019)
 - Two unclassified threat workshops (June and December)
 - Two unclassified briefings at ESCC meetings (May and October)
 - CRISP – two workshops
- Classified Threat Briefings (2018 and 2019)
 - Coordinated three non-CRISP classified briefings
- Launched Critical Broadcast Program (2018)
- Significant Increase in Unique Publications in 2018- (9 Cyber, 6 Physical)



- 2019 Planned Resource Additions
 - 4 watch officers
 - 5 cyber security analysts
- Additional corporate services support (IT, legal, finance)
- Strategic Plan Refresh – including long-term projections
- March – Preliminary 2020 budget review with MEC

- Properly positioning the E-ISAC relative to other external government and private sector initiatives
- Pace and resource demands
- Competition for top analyst talent
- Integration of resource additions
- Multiple IT initiatives running in parallel-prioritization process in place, additional IT resources being put in place to support
- Space to accommodate planned 2019 resources additions--planning underway

A map of North America is shown in a light blue color. A darker blue horizontal band runs across the middle of the map, passing through the United States. The text 'Questions and Answers' is centered within this band.

Questions and Answers