A DIVISION OF NERC

E-ISAC

ELECTRICITY INFORMATION SHARING AND ANALYSIS CENTER

Electricity Information Sharing and Analysis Center

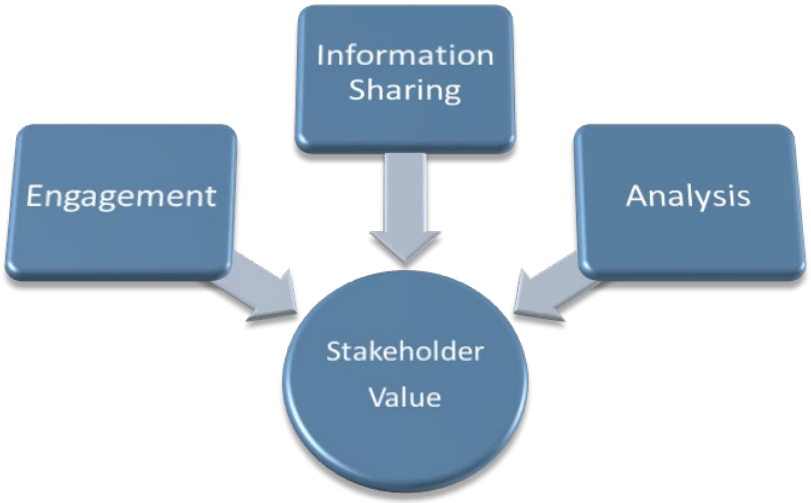
Ryan D. Quint, PhD, PE
Director, Engineering and Security Integration, NERC (on behalf of E-ISAC)
UNECE CES 19th Session
October 2023

TLP:CLEAR

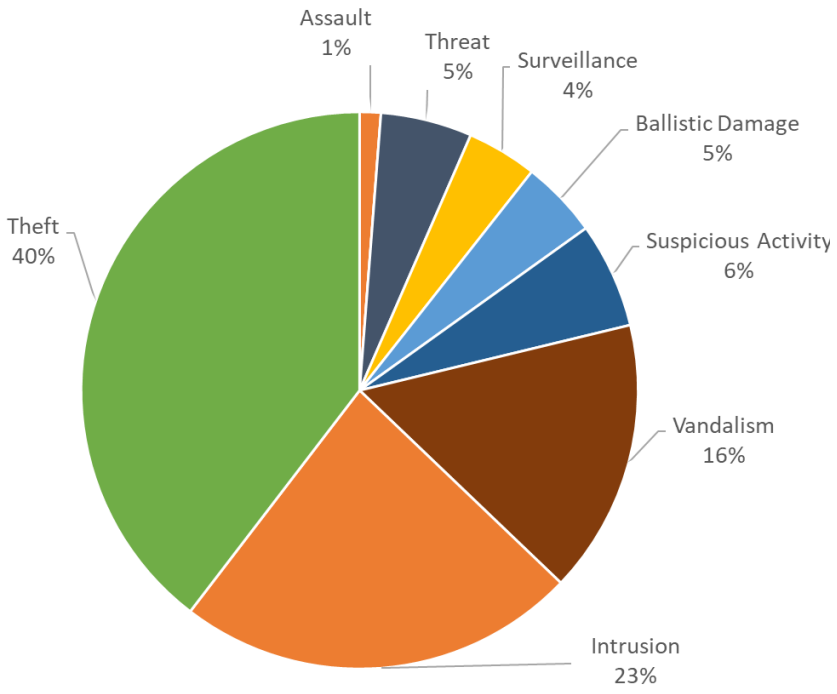
RELIABILITY | RESILIENCE | SECURITY

The E-ISAC: Securing the North American Power Grid

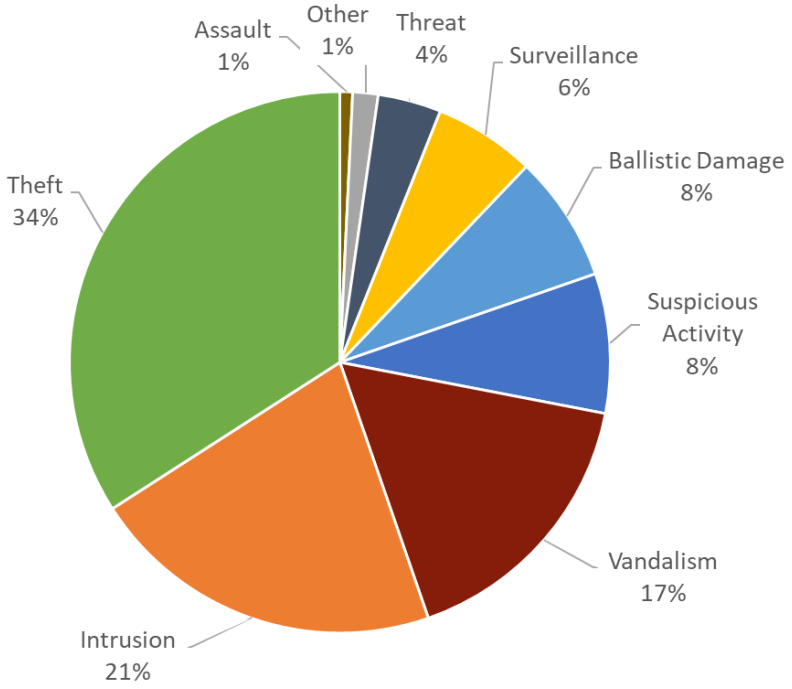
- **Share and exchange** timely and actionable information
- **Analyze** security threats and mitigation strategies
- **Collaborate** with industry, U.S. and Canadian government partners, and other stakeholders
- **Facilitate** webinars, conferences, exercises, engagement programs



Incident Analysis: August 2023



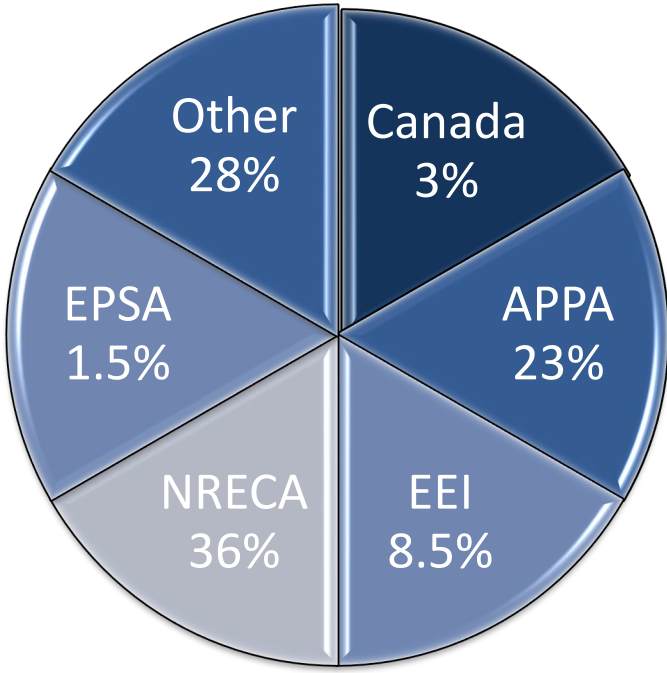
Breakdown of Incident-Type (Projected)
August Outlook 2023



Breakdown of Incident-Type (Realized)
August 2023 *(Working Draft)*

E-ISAC Membership

- Who Can Be a Member?
  - **Organizations**: All electricity industry asset owners and operators and select government partners across North America
  - **Individuals**: Cyber and physical security professionals at all levels – analysts, managers, directors to senior executives
    - Open to Canadian/U.S. Regulatory Organization staff with roles that do not include compliance monitoring and enforcement responsibility
  - No cost to being an E-ISAC member
- Over 1,700 organizations across North America
- Nearly 7,000 individual Portal users



E-ISAC Member Organizations by Trade Association as of 8/22/23

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E-ISAC

ELECTRICITY INFORMATION SHARING AND ANALYSIS CENTER

E-ISAC Partners

NRECA America's Electric Cooperatives

Electricity Canada | Électricité Canada

national council of ISACs

Public Safety Canada | Sécurité publique Canada

Natural Resources Canada | Ressources naturelles Canada

Canada

ESCC Electricity Subsector Coordinating Council

JE-ISAC Japan Electricity Information Sharing and Analysis Center

AMERICAN PUBLIC POWER ASSOCIATION

EEI Edison Electric INSTITUTE

EE-ISAC Information sharing in network of trust

CANADIAN CENTRE FOR CYBER SECURITY | CENTRE CANADIEN POUR LA CYBERSÉCURITÉ

WATER ISAC

MS-ISAC Multi-State Information Sharing & Analysis Center

SEIA Solar Energy Industries Association®

EPSA

DNG-ISAC

INGAA Interstate Natural Gas Association of America

AGA American Gas Association

NATIONAL GOVERNORS ASSOCIATION

ONG-ISAC Information Sharing & Analysis Center
Fueling the Exchange of Cyber Intelligence

Homeland Security

NARUC National Association of Regulatory Utility Commissioners

FS-ISAC

U.S. DEPARTMENT OF ENERGY

NERC NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

NCC

Analysis & Resilience Center FOR SYSTEMIC RISK

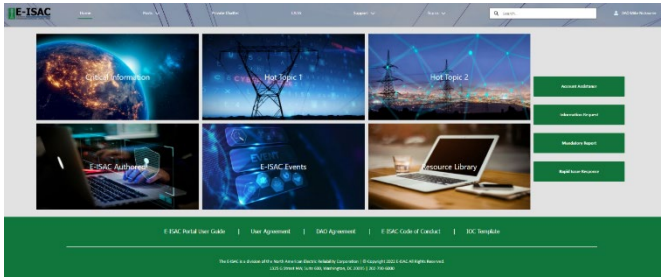
INL

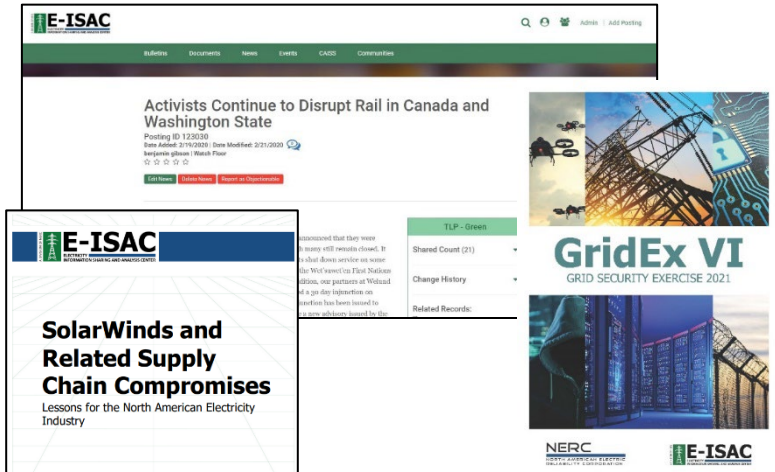
Pacific Northwest NATIONAL LABORATORY

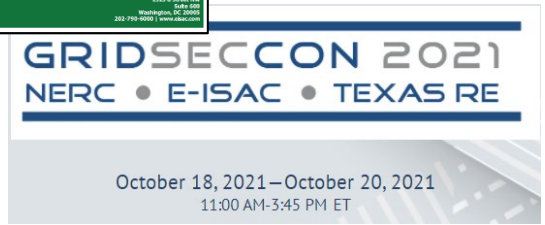
TLP:CLEAR

Access to Information, Products, and Programs

- 24/7 Watch Operations
- Secure Portal Access
- Customized situational awareness on:
  - Security Threats
  - Cyber and Physical Bulletins
  - Critical Broadcast Program Alerts
- Security Briefings
  - Monthly Security Webinars
  - Special Topic Briefings
- Programs and Events
  - GridSecCon and GridEx VII
  - Industry Engagement Program
  - VISA Workshops







What Members Share

- **Cyber Security**
  - Suspicious Traffic
  - Vulnerability probing and exploitation activity
  - Malware
  - Analysis, insights, forensic artifacts from incident response and threat hunting
- **Physical Security**
  - Unusual observation, suspicious activity, or surveillance of facilities
  - Expressed or implied threats
  - Breach or attempted intrusion
- **24/7 Analyst Support**
  - Individual incidents or bulk data submissions

GridSecCon and GridEx

GRIDSECCON 2023
NERC • E-ISAC • NPCC

GridEx VII

NERC E-ISAC

Vendor Affiliate Program

- VAP addresses increasing interdependencies in the supply chain and risk to electricity industry members
- Fee-based membership program open to security solutions providers and OEM suppliers
- Focus on facilitating thought leadership and timely information sharing; no business development
- Opportunities to collaborate and participate

DRAGOS FORTINET NOZOMI NETWORKS SIEMENS energy 1898 & CO.
axio FINITE STATE Hitachi Energy Sargent & Lundy SEL SCHWEITZER ENGINEERING LABORATORIES

Questions

- Feel free to direct any specific questions to Bluma Sussman, Director of Engagement, E-ISAC (bluma.sussman@eisac.com)