



DNG-ISAC

DOWNSTREAM NATURAL GAS ISAC

Natural Gas

Information Sharing and Analysis Center

Jim Linn

Executive Director | 10/18/18



DNG-ISAC Profile

- **Downstream Natural Gas Information Sharing and Analysis Center**
- **Established 2014**
- **Executive Director, Jim Linn**
- **Threat and Intelligence Analyst, John Bryk**
- **Located in Washington, DC**
- **<https://www.dngisac.com/>**

DNG-ISAC Reach

- **Started with core group of American Gas Association (AGA) members**
- **In 2017 expanded to all AGA members - 200**
- **In 2017 added Canadian Gas Association members - 12**
- **In 2017 added Interstate Natural Gas Association of America members – 28**
- **In 2018 include American Public Gas Association members - 700**
- **Currently covering US and Canada natural gas transmission and distribution**
- **Reaching out to US and Canada natural gas production**

DNG-ISAC Background

- **In 2014 the American Gas Association (AGA) Board of Directors Executive Committee identified a gap in information sharing in the downstream natural gas sector**
- **At the time an informal communication method was being used for cybersecurity information sharing**
- **It was recommended that the DNG-ISAC be formed to fill the gap identified**
- **A group of AGA members came forward to both develop and found the DNG-ISAC and also committed to annual participation in the DNG-ISAC**

DNG-ISAC Organization

- **Incorporated as a non profit entity in 2015**
- **Board of Directors established in 2016**
 - **Seven Directors**
 - **Each from one of DNG-ISAC participant companies**
- **Quarterly board meetings**

DNG-ISAC Mission

- **The DNG-ISAC serves natural gas companies by facilitating communications between participants, the federal government, and other critical infrastructures**
- **Specifically, the DNG-ISAC coordinates very closely with the Electricity Information Sharing and Analysis Center (E-ISAC)**
 - **Our analyst sits on the E-ISAC watch floor two days per week**
- **The DNG-ISAC promptly disseminates threat information and indicators and provides analysis of related industry-affecting information**

DNG-ISAC Sharing

- **The DNG ISAC is a member of the National Council of ISACs (NCI) and participates in regular NCI meetings and an inter-industry threat sharing**
- **Other information sources include:**
 - **NCCIC, US CERT, ICS CERT, FBI, TSA, DOE, fusion centers, participant companies**
- **International sources include:**
 - **Canadian Cyber Incident Response Centre**
 - **Global Cyber Alliance**
- **Monthly Department of Energy coordination meeting with energy ISACs**

DNG-ISAC Cyber AND Physical

- **DNG-ISAC covers physical threats in addition to cyber threats**
- **Activist groups focused on pipeline disruption have been identified and reported by DNG-ISAC**
 - **Threats to Dakota Access Pipeline**
 - **Operation Black Snake**
 - **350.org threat group**

DNG-ISAC By the numbers

- **Average of 2+ alerts per day**
- **90% from government sources**
- **10% from participants**

DNG-ISAC Exercise Participation

- **GridEx Participation**
 - **GridEx III 2015 Observer**
 - **GridEx IV 2017 Participant**
 - **GridEx V 2019 Participant plus natural gas company participants**
- **Department of Energy Liberty Eclipse**
- **AGA Tabletop Exercises**

DNG-ISAC Future Plans

- **Participant outreach**
- **Additional analytical capability**
- **Better information sharing portal**
- **Improved reporting**

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