

Expansion of Natural Gas Sector Information Sharing Capabilities: Interstate Natural Gas Association of America (INGAA) Automated Cyber Threat Information Sharing Network

Situational Awareness

This project aims to increase and further harden the cyber security posture of the Nation's natural gas pipeline system, including midstream and downstream operators. The Interstate Natural Gas Association of America (INGAA) plans to achieve this by assessing the current value of the INGAA Automated Cyber Threat Information Sharing Network (INGAA Automated Network), as well as expanding participation, engagement, and the level of information shared through the INGAA Automated Network. INGAA will also demonstrate the value of the INGAA Automated Network, develop metrics on calculating return on investment of participation, and assist in actively recruiting new users.



Fusion Center (Source: DHS)

Project Overview

INGAA and participants in the INGAA Automated Network agree that there are significant benefits to sharing cyber threat information. Information sharing increases the security, availability, integrity, and efficiency of information systems, which in turn leads to a more secure and productive Nation. In order to address cyber threats to public health and safety, national security, and the Nation's economic security, critical infrastructure owners and operators must be able to share information related to cyber security risks and incidents, as well as collaborate to respond in as close to real time as possible. The initial goal of the INGAA Automated Network is to facilitate and encourage the automated sharing of cyber threat information, including indicators of compromise, among operators of natural gas pipelines by establishing a platform to improve participants' information sharing capabilities. This will allow information to be shared in real time while protecting privacy and business confidentiality, and safeguarding the information being shared.

Next Steps

INGAA anticipates using the results of the project to develop an ongoing assessment process that will allow an expanded use of the tool by either a current or new Information Sharing and Analysis Center (ISAC) for the natural gas sector. In addition, due to the highly interconnected nature of the pipeline network, INGAA anticipates a broad application of the INGAA Automated Network to other sectors. INGAA also anticipates that ISACs will use the INGAA Automated Network to monitor business and control systems, and to share valuable threat intelligence. The framework will make it possible for INGAA members to share threat information, and may also serve as a model for how members can share information with other entities such as ISACs, the U.S. Government, and other organizations in the private sector.



To learn more about the INGAA project, contact
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