

GAIN-EPRI-NEI Advanced Reactors Safeguards and Security Workshop

Lori Braase, Program Manager

April 13-15, 2021

Mission and Vision

Vision (2030)

The U.S. nuclear industry is equipped to lead the world in deployment of innovative nuclear technologies to supply urgently needed abundant clean energy, both domestically and globally.



Mission

Provide the nuclear energy industry with access to cutting-edge R&D, along with the technical, regulatory, and financial support necessary to move innovative nuclear energy technologies toward *commercialization* in an accelerated and cost-effective fashion.



GAIN Goals for FY 2020-2025:

Goal #1. Provide nuclear industry entities access to financial support opportunities and national laboratory capabilities (facilities, expertise, and tools) to accelerate commercialization of innovations through research, development, demonstration, and deployment.

Goal #2. Work with industry to identify gaps, gather needs, and develop viable paths forward to inform DOE research programs and remove barriers for industry.

Goal #3. Work with industry stakeholders and NRC as means of communicating and resolving common (industry-wide) issues through regulatory interactions.

Goal #4. Facilitate the advanced nuclear industry's access to information to support their technology commercialization efforts.

Goal #5. Contribute tailored, factual information to key stakeholders to motivate the integration of clean nuclear energy for long-term success.

GAIN Resources Supporting Safeguards and Security

- Three GAIN NE Vouchers
 - Safeguards Assessment of Advanced Reactors (Flibe)
 - Cyber Security (Dragos)
 - Safeguards Material Holdup at an Existing Fuel Fabrication Facility (Westinghouse)
- GAIN-EPRI-NEI Workshops connecting the Advanced Nuclear Industry with DOE Programs and National Labs
- GAIN Website-Resource Page for Safeguards and Security to facilitate engagement with industry
- U.S. Nuclear NEXUS will be announced in a few weeks and will provide some additional resources to industry

U.S. NUCLEAR NEXUS

Your Resource to Engage with NNSA on Global Deployment of U.S. Civilian Nuclear Technology

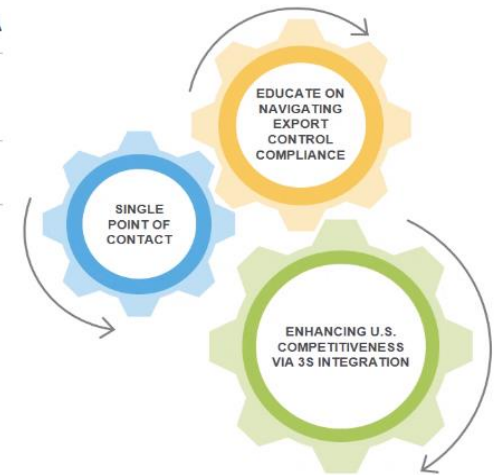
Tool to provide a dynamic means for U.S. industry to interact with NNSA

Builds on “DOE-NNSA Recommendations and Resources for Advanced Reactor Developers”

Single point of entry and liaison to collaborate with NNSA offices

Interactive web portal and human connection that:

- Helps educate U.S. companies on navigating export control policies and regulations
- Enhances U.S. competitive advantage by promoting understanding and timely implementation of safeguards by design, security by design, and proliferation resistance in nuclear systems
- Tracks and shepherds requests for support and engagement



GAIN Organization

