

GAIN announces first round FY 2023 Nuclear Energy Voucher recipients

December 15, 2023

The Gateway for Accelerated Innovation in Nuclear (GAIN) announced today that four companies will be provided a GAIN Nuclear Energy (NE) Voucher to accelerate the innovation and application of advanced nuclear technologies. NE vouchers provide advanced nuclear technology innovators with access to the extensive nuclear research capabilities and expertise available across the U.S. Department of Energy (DOE) national laboratory complex. This is the first award for FY 2023.

The businesses selected to receive a GAIN nuclear energy voucher for Round 1 FY 2023 are:

GAIN 2023 1st Round NE Voucher Recipient	Awarded Proposal	Partner Facility
Dow Midland, Michigan	Assessment of SMRs for Dow	Idaho National Laboratory
Flibe Energy, Inc. Huntsville, Alabama	Thermal Property Measurements for an LEU-Fueled Molten Salt Reactor	Argonne National Laboratory
Oklo Inc. Santa Clara, California	Experimental and Software Validation of Integral Thermal-hydraulic Behavior in Fuel Assemblies	Argonne National Laboratory
Radiant Industries Inc. El Segundo, California	An Advanced Multiphysics Simulation Capability for Radiant's Microreactor Design and Shielding Analysis	Argonne National Laboratory

GAIN NE voucher recipients do not receive direct financial awards. Vouchers provide funding to DOE laboratories to help businesses overcome critical technological and commercialization challenges. All awardees are responsible for a minimum 20 percent cost share, which could be an in-kind contribution.

The GAIN NE Voucher Program accepts applications on innovation that supports production and utilization of nuclear energy (e.g., for generation of electricity, supply of process heat, etc.) in the following general topic areas:

- Analysis and evaluation of, and for, advanced reactor concepts and associated designs, including development of R&D based licensing technical requirements or regulatory strategies
- Structural material and component development, testing and qualification
- Advanced nuclear fuel development, fabrication and testing (includes fuel materials and cladding)
- Development, testing, and qualification of instrumentation, controls, and sensor technologies that are hardened for harsh environments and secured against cyber intrusion
- Modeling and simulation, high-performance computing, codes and methods
- Technical assistance from subject matter experts and/or data/information to support technology development and/or confirm key technical or licensing issues

Further information on the GAIN nuclear energy voucher program as well as current and all past awards may be found [here](#).

The U.S. Department of Energy Office of Nuclear Energy (DOE-NE) established GAIN to provide the nuclear community with the technical, regulatory, and financial support necessary to move innovative nuclear energy technologies toward commercialization while ensuring the continued safe, reliable, and economic operation of the existing nuclear fleet. Through GAIN, DOE is making its state-of-the-art and continuously improving RD&D infrastructure available to stakeholders to achieve faster and cost-effective development of innovative nuclear energy technologies toward commercial readiness.

PRINTABLE ANNOUNCEMENT

Recognizing Military Veterans Across Utilities: How a Military Background Prepared Rachel Taow to Bring Toughness, Diversity to the Nuclear Field - [an Energy Central Power Perspectives™ Interview] | Energy Central

November 8, 2022



image credit: Energy Central

Army veteran Rachel Taow's career traversal from linguist to analyst to managing processes for nuclear energy contracts might baffle casual observers.

But her entry to the energy industry is a homecoming of sorts. She has always been interested in the potential and prospects for nuclear energy, says Taow.

energycentral.com

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2023 Pitch Your GEN IV Research

- Are you a current PhD student or did you complete your PhD after January 1, 2021?
- Was your PhD research related to Generation IV Advanced Nuclear Energy Systems?
- Can you explain your research in four minutes?

If you answered **YES** to those questions, you may be interested in the **2023 Pitch Your GEN IV Research competition**.

For research related to GEN IV Advanced Nuclear Energy Systems enter by submitting your one-page executive summary by **January 15, 2023**.

For more details, visit: www.gen-4.org/gif/pitch-your-generation-iv-research



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