

**GAIN ANNOUNCEMENT
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NEWS MEDIA CONTACT:

Donna Kemp Spangler, 208-716-5113, Donna.KempSpangler@inl.gov

GAIN announces final round FY 2024 Nuclear Energy Voucher recipients

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 final award for FY 2024.

The businesses selected to receive a GAIN nuclear energy voucher for Round 4 FY 2024 are:

GAIN 2024 4th Round NE Voucher Recipient	Awarded Proposal	Partner Facility
Advanced Nuclear Advisors LLC Ooltewah, TN	<u>Project SparkHub: Nuclear-Powered Data Center Development</u>	Oak Ridge National Laboratory
Antares Nuclear, Inc. Redondo Beach, CA	<u>Independent Analysis of Antares R1 Core Design</u>	Oak Ridge National Laboratory
Nano Nuclear Energy, Inc. New York, NY	<u>Independent Assessment of a Novel Heat Exchanger Concept for Open-Air Brayton Cycle</u>	Idaho National Laboratory
Sigma-Aldrich Inc doing business as MilliporeSigma St. Louis, MO	<u>Development of Oxygen IR Calibration Standards for High-Purity Chloride Salts</u>	Idaho 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.

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