GAIN ANNOUNCEMENT
FOR IMMEDIATE RELEASE
January 24, 2019

NEWS MEDIA CONTACT:
Sarah A. Neumann, 208-520-1651, sarah.neumann@inl.gov

GAIN Announces 1st Quarter FY2019 Nuclear Energy Voucher Recipients

The Gateway for Accelerated Innovation in Nuclear (GAIN) announced today that three nuclear companies will be provided GAIN Nuclear Energy (NE) Vouchers 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 laboratories complex. Following the successes of the program in FY2016, FY2017 and FY2018 (quarterly award cycles were introduced), the FY2019 inaugural round kicks off what is expected to be another productive year.

The GAIN NE Voucher Program accepts applications on innovation that support 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 licensing information or 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.

U.S. DEPARTMENT OF
ENERGY

The businesses selected to receive GAIN nuclear energy vouchers for Q1 FY2019 are:

GAIN 2019 1st Quarter NE Voucher Recipient	Awarded Proposal	Partner Facility
Framatome, USA Lynchburg, VA	Advanced Fuel Stability Analysis Using High-Fidelity Large-Scale Computational Fluid Dynamic Simulations	Argonne National Laboratory
GE-Hitachi Wilmington, NC	Enabling System Technologies to Improve the Economics and Performance of Existing LWRs and Advanced BWR Plants: Improving Off-gas System Performance	Idaho National Laboratory
Kairos Power Alameda, CA	Chemical Method Development for Quantifying Oxygen in Beryllium Salt	Argonne National Laboratory Oak Ridge National Laboratory

GAIN NE voucher recipients do not receive direct financial awards. The GAIN nuclear energy vouchers provide access to national laboratory capabilities at no cost to the voucher recipients. All awardees are responsible for a minimum 20 percent cost share, which could be an in-kind contribution. 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.

Visit GAIN at https://gain.inl.gov. Follow @GAINNuclear on Twitter or visit our Facebook page at www.facebook.com/GAINnuclear.

—GAIN-19-001—