Save the Date: FY 2021 CINR FOA Webinar

July 8, 2020

Save the date fo the Fy 2021 CINR FOA webinar on the week of August 10-14 2020. DOE-NE anticipates discussing FY 2021 NEUP R&D, NEUP IRP, NEET, and applicable NSUF workshopes. Any changes to DOE-NE's consolidated FOAs will also be discussed. Registration will be available the week of July 27, 2020.

Link

GAIN Announces 3rd-Round FY-2020 Nuclear Energy Voucher Recipients

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June 11, 2020

The Gateway for Accelerated Innovation in Nuclear (GAIN) announced today that two 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 laboratory complex. This is the third set of awards in FY 2020.

The businesses selected to receive GAIN nuclear energy vouchers for Round 3 FY 2020 are:

GAIN 2020 3rd Round NE Voucher Recipient	Awarded Proposal	Partner Facility
SMR, LLC Camden, NJ	Coupled neutronic and thermal hydraulic analysis of a natural circulation based small modular reactor using VERA-CS	Oak Ridge National Laboratory
Ultra Safe Nuclear Corporation – Technologies Seattle, WA	Graphite Finite Element Model Verification	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.

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 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

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 VERSION

U.S. Department of Energy Launches $230 Million Advanced Reactor Demonstration Program

May 14, 2020

WASHINGTON, D.C. – The U.S. Department of Energy (DOE) today announced the launch of the Advanced Reactor Demonstration Program (ARDP) within the Office of Nuclear Energy (NE). ARDP is designed to help domestic private industry demonstrate advanced nuclear reactors in the United States.

For the Fiscal Year 2020 budget, Congress appropriated $230 million to start a new demonstration program for advanced reactors. Through cost-shared Partnerships with industry, ARDP will provide $160 million for initial funding to build two reactors that can be operational within the next 5 to 7 years.

"The next generation of nuclear energy is critical to our Nation's energy security and environmental stewardship," said U.S. Secretary of Energy Dan Brouillette. "As the recently released **Nuclear Fuel Working Group's Strategy to Restore American Nuclear Energy Leadership** exemplifies, we must pursue technological innovation and advanced nuclear RD&D investments to strengthen American leadership in the next generation of nuclear technologies, ensuring a healthy and growing U.S. nuclear energy sector."

READ ENTIRE ANNOUNCEMENT

GAIN Gateway for Accelerated Innovation in Nuclear

Power Your Lego Collections with Atomic Power Town

By Steven Petersen for INL Public Affairs

Atoms are everywhere. They are the building blocks of all things, including nuclear power. Lego bricks on the other hand, are the building blocks of, well, fun! So, what do you get when you combine nuclear power with Lego bricks? Atomic Town Power.

In this nuclear power based set, the wonders of clean, reliable energy are put directly into your hands. Composed of roughly 3,000 pieces, Atomic Town Power comes equipped with chemists, a control room and even a hot cell that can rotate inside its glowing reactor.

The set was inspired by Experimental Breeder Reactor I, which produced electricity using nuclear power for the first time in 1951 at what is known today as Idaho National Laboratory.

Pair Atomic Town Power Lego kit with any other set, and you will have a clean source of energy to power your entire collection!

Learn more about the benefits of nuclear energy by supporting **Atomic Town Power** and help us vote this one-of-a-kind set into reality.

The GAIN NE Voucher Program has been updated!

May 1, 2020

You can find the updated Request for Assistance (RFA) **here** and a summary of changes **here**.

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

If you have a regulatory question for NRC, please see the **GAIN Regulatory Tab** to submit your question.

To view previous posts visit: What's New In GAIN Archive

September 10, 2020