FY 2020 Scientific Infrastructure Support Funding Opportunity Announcement DE-FOA-0002129

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August 2019

Outline

- FOA Overview

- Reactor Upgrades and General Scientific Infrastructure

- Review Criteria

- Contact Information

FOA Highlights

- Funding Mechanism
  - Grants issued by DOE-ID

- Funding Opportunities for US Universities
  - Reactor Upgrades
  - General Scientific Infrastructure

- Find FOA (DE-FOA-0002129) at http://www.grants.gov
  - Apply at www.neup.gov

Important Dates

- FOA release date:
  - August 12, 2019

- Applications due:
  - November 13, 2019

- Anticipated award announcement:
  - June-July 2020

Area 1 – University Reactor Upgrades Infrastructure Support (RU)

Area 2 – General Scientific Infrastructure Support (GSI)

University Reactor Infrastructure

- Award Size
  - Maximum individual award:
    - $5,000,000
  - Expected award range:
    - Up to $1,500,000
  - DOE anticipated to award some smaller awards
- Period of Performance
  - 1+ years
- Eligibility
  - Only educational reactors fueled by DOE
    - List can be found in Part I.C.1.1 of FOA
- Estimated Funding Level
  - Approximately $2.5 million

RU Review Criteria Changes

- Review processes
  - Each application will receive a merit review by both DOE and NSUF reviewers
- Review Criteria
  - (55%) **Safety and/or Security** – Potential of the requested equipment, instrumentation, or modification to:
    - Enhance the safety, performance, control, or operational reliability of research reactor systems; or
    - Increase the quality, safety/security, or efficiency of the operation of the research reactor facility.
  - (15%) **Impact** – Potential of the requested equipment, instrumentation, or modification to facilitate, improve, or expand ongoing Office of Nuclear Energy research and training capabilities;
  - (15%) **Utilization** – As a result of the proposed equipment, the amount of student and faculty usage of the research reactor facility, and the amount and variety of research and/or services actually provided by the facility;
  - (15%) **Execution** – Capability to implement the full scope of the project, including timely project completion, personnel qualifications, budget, and feasibility.

General Scientific Infrastructure (GSI)

- Award Size
  - Maximum DOE funding per individual university award: $5,000,000
    - Anticipated award size $250,000
- Period of Performance
  - 1 year
- Eligibility
  - Universities are eligible to submit applications
  - One application per institution can be submitted to each area of this FOA.
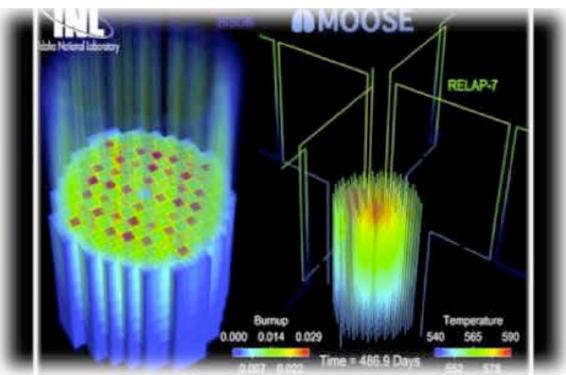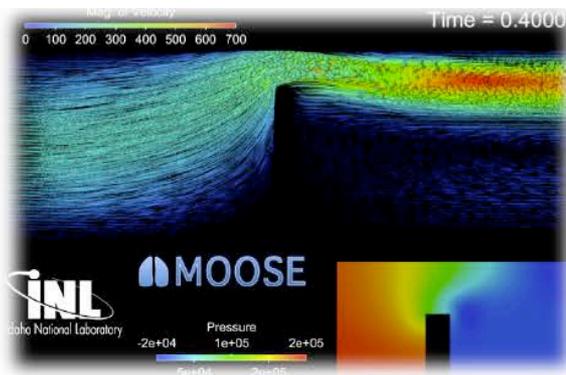 - University cost match (1:1) required after $250,000
- Estimated Funding Level
  - Approximately $2.5 million

GSI Reminder of Excluded Areas

NSUF -Exclusions

- NSUF provides access to high-performance computational resources at INL at no cost to users

  – Proposals requesting to purchase HPC equipment will **not** be entertained

  – See nsuf.inl.gov or hpc.inl.gov for information on accessing HPC resources

Courtesy of Eric Whiting, Director of Scientific Computing (INL)

GSI Review Criteria Changes

- **Review processes**
  - Each application will receive a merit review by both DOE and NSUF reviewers
- **Review Criteria**
  - (25%) **Impact** – Potential of the requested equipment, instrumentation, or modification to facilitate, improve, or expand ongoing Office of Nuclear Energy research and training capabilities;
  - (25%) **Utilization** – As a result of the proposed equipment, the amount of student, faculty, or researcher usage of the capabilities, and the amount and variety of research and/or services actually provided by the facility;
  - (25%) **NSUF Priority** – Importance of the proposed upgrade to the Nuclear Science User Facilities as either improving an existing partner facility or as a potential partner facility.
  - (25%) **Execution** – Capability to implement the full scope of the project including timely project completion, personnel qualifications, budget, and feasibility.

GSI Cost Sharing & Cost Match

- ## Cost Share

  - Cost sharing is encouraged, but is not required in any part of this FOA
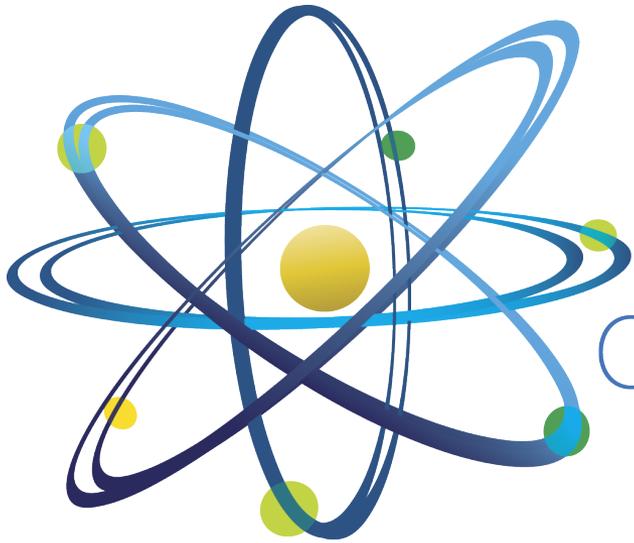
- ## Cost Match

  - Cost match is required on university **GSI projects** that exceed **$250,000**

  - Dollar for dollar matching requirement, up to the project ceiling of **$2,500,000**

    - e.g. If the total project's cost was $350,000; the university would be responsible for $50,000 and DOE's share would be $300,000

  - Anticipated award range will be around **$250,000** for most applications

Contact Information

- Technical questions can be submitted to:
  - Jon Kirkham (Technical Point of Contact)
    - NSUF@INL.gov
    - The Infrastructure FOA Q&A section at https://nsuf.inl.gov/Page/infrastructurefoa
- Procurement questions can be submitted to:
  - Trevor Bluth (DOE-ID Contract Specialist)
    - bluthtm@id.doe.gov

- Application Site
  - www.neup.gov

Questions?

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