

FY 2025 Distinguished Early Career Program FOA DE-FOA-0003311

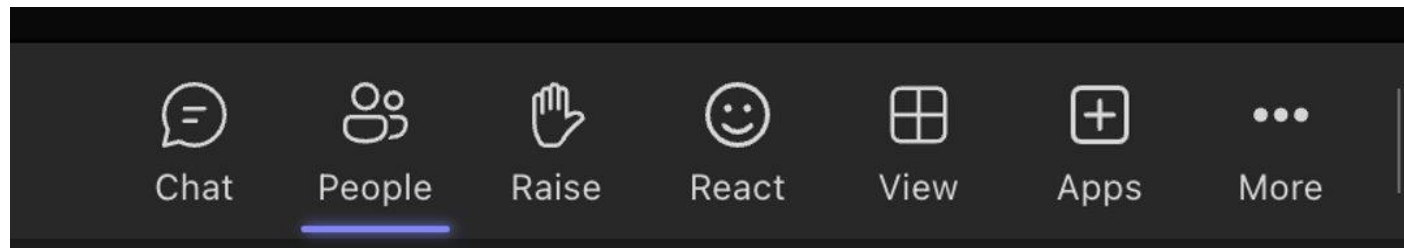
Informational Webinar

May 09, 2024

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University and Competitive
Research Team

How to Ask Questions During the Webinar

- ❑ Raise your hand and your microphone will be unmuted during the Q&A phase of each presentation.
- ❑ Questions that do **not** get answered during the allotted time will be answered and posted on www.NEUP.gov.
- ❑ Specific questions on individual eligibility or topic area detail should be addressed offline.



FY 2025 DECP FOA Objectives and Priorities

NE's mission is to advance nuclear energy science and technology to meet U.S. energy, environmental, and economic needs through the following goals:

1) Enable continued operation of existing U.S. nuclear reactors;

2) Enable deployment of advanced nuclear reactors; and

3) Sustain nuclear fuel cycle and expand international nuclear energy cooperation

All applicants must have a strong tie to one or more of these focus areas.

DOE to provide stable support to faculty to form the impactful research groups, innovative lines of inquiry, educational approaches, and critical new research directions that will drive the next generation of nuclear energy innovation.

FY 2025 FOA DECP Highlights

❑ **Application**

- Full application only

❑ **Funding Mechanism**

- Grants issued by DOE

❑ **Award Size and Duration**

- \$800,000 total over five years

❑ **Expected Budget**

- \$3.2 Million

❑ **Expected Number of Awards**

- Up to 4 awards

❑ **Official FOA (DE-FOA-0003311) at <http://www.grants.gov>**

❑ **Apply through <http://www.NEUP.gov>**

FY 2025 Information and Dates

- ❑ FOA release (pending): Week of May 13, 2024
- ❑ Full Application Due Date: August 6, 2024 (5:00 PM ET)



FY 2025 DECP Eligibility Requirements

- ❑ Untenured assistant professor on a tenure track at a U.S. academic institution with no more than seven years beyond the date the doctorate was awarded as of the last day of January 2025.
 - Extensions to eligibility may be considered for individuals, who have had a major life event requiring an extended absence from the workplace including, but not limited to, active military service, an absence due to personal disability, or an absence covered by the Family and Medical Leave Act.
 - To request an extension, submit a letter signed by the dean, research vice president or equivalent official. The length of extension is equal to the amount of time of the extended absence.
 - Extension requests should be submitted for consideration at least 30 calendar days before the application deadline at neup@inl.gov.
- ❑ Cannot have received a similar type of a federally funded early career award. Please refer to the FOA for more information.
- ❑ Proposed research must have a scope different from work already funded by any organization.
- ❑ Cannot apply more than three times.

FY 2025 DECP Major NE Funded Research

Fuel Cycle Research
and Development

Interim Storage for
Commercial Spent
Nuclear Fuel

Reactor Concepts
Research,
Development, and
Demonstration

Advanced Materials &
Manufacturing
Technologies

Advanced Sensors and
Instrumentation

Nuclear Energy
Advanced Modeling
and Simulation

Nuclear Science User
Facilities

FY 2025 DECP Application Documents

	Name of Document	Format	Signature Required
	SF-424 R&R	Form	Yes
	Research and Related Other Project Information	Form	
	Project Summary/Abstract	PDF	
→	Project Narrative	PDF	
→	Career Objective Statement	PDF	
→	Department Head Endorsement Letter	PDF	Yes
	Data Management Plan	PDF	
→	Full Biographical Vitae	PDF	
	Capabilities (2 pages)	PDF	
	SF-424 (R&R) Lead Budget Form	Form	
	Budget Justification	PDF	
	Current and Pending Support	PDF	
	Project/Performance Site Location	PDF	
	SF-LLL Disclosure of Lobbying Activities	PDF	Yes
	Certifications and Assurances	Form	Yes

FY 2025 DECP Application Documents (Continued)

Project Narrative

- Includes a section identifying the integration of research and educational activities.
- Should be devoted to a description and justification of the proposed project.
- Unlimited references are allowable at the bottom of the narrative beyond the 10-page limit.

Career Objective Statement

- Outlines PI's research interests and educational priorities and how they align with NE priorities
- 2-page document limit.

Endorsement Letter from Academic/Unit Department Head

- Endorsement of PI's:
 - Teaching qualifications
 - Research and Mentoring qualifications
 - Service qualifications
- Current and future commitment to focus on nuclear energy research/education/service
- 2-page document limit.
- **Optional** template available on the application form.

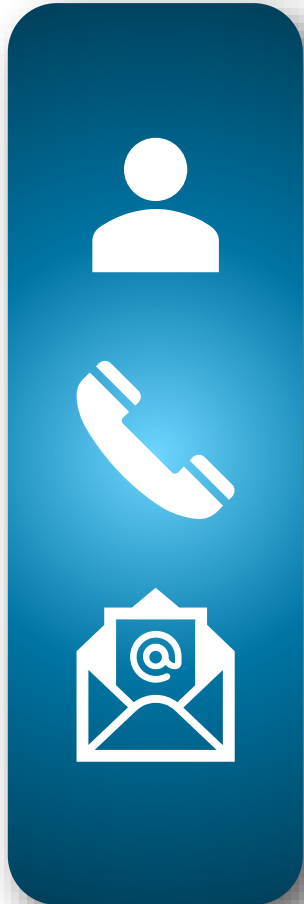
Full Biographical Vitae

- Provide information related to:
 - Education and training
 - Research and professional experience
 - Complete list of publications
 - Patents, copyrights, and software systems
 - Synergistic activities.
- **Optional** template is available on the application form.

FY 2025 DECP Review Criteria

- ❑ All applications will be evaluated in the initial review stage for relevance to the NE mission
- ❑ Merit Review Criteria
 - **Criterion 1 (33.34%)– Advances the State of Knowledge and Understanding and Addresses Gaps in Nuclear Energy Science and Engineering Research Areas:** The technical merit of the proposed research will be evaluated, including the extent to which the project advances the state of knowledge and understanding and addresses gaps in nuclear energy science and engineering research areas. Evaluation will consider how important the proposed project is to advance knowledge and understanding within the topic area and how well the proposed project advances, discovers, or explores creative, original, or potentially transformative concepts that have broader impact.
 - **Criterion 2 (33.33%) – Demonstrates an Integrated Research, Education and Service Plan to Address Broader Impacts to Society:** The extent to which the plan advances nuclear energy related research and educational outcomes and the overall integration of the research and educational aspects of the application and addresses societal broader impacts. The extent to which the research and education vision supports the development of the faculty member, research infrastructure, curriculum, and research that will advance the applicant’s research focus while training the next generation of nuclear energy professionals. Service impacts can include, but are not limited to, leadership for student, university, and community programs, STEM outreach, and diversity, equity and inclusion efforts.
 - **Criterion 3 (33.33%)– Qualifications and Potential for Leadership Within the Nuclear Energy Community:** The extent to which the applicant has the necessary knowledge, skills, and abilities to execute the project, the probability that the PI will be able to provide direct research contributions, the potential for scientific leadership and creative vision, and the potential for leadership in the research and technical area.

FY 2025 DECP Contact Information

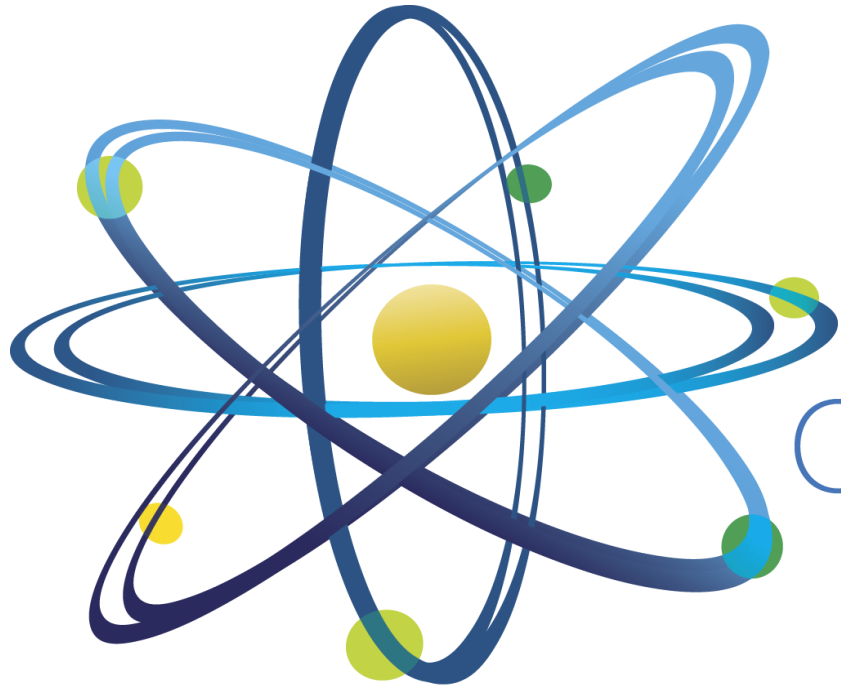


- ❑ Technical Questions
 - Send to neup@inl.gov

- ❑ DOE-ID – Procurement Questions
 - Andrew Ford
 - fordaj@id.doe.gov

- ❑ NE Integration Office – General Application Submittal Questions
 - (208) 526-1602
 - neup@inl.gov

Questions



Clean. **Reliable. Nuclear.**