

U.S. DEPARTMENT OF  
**ENERGY**

Office of  
**NUCLEAR ENERGY**

# **FY 2025 Phase II Continuation**

# **Consolidated Innovative Nuclear Research**

# **DE-FOA-0003310**

**Informational Webinar**

**May 09, 2024**

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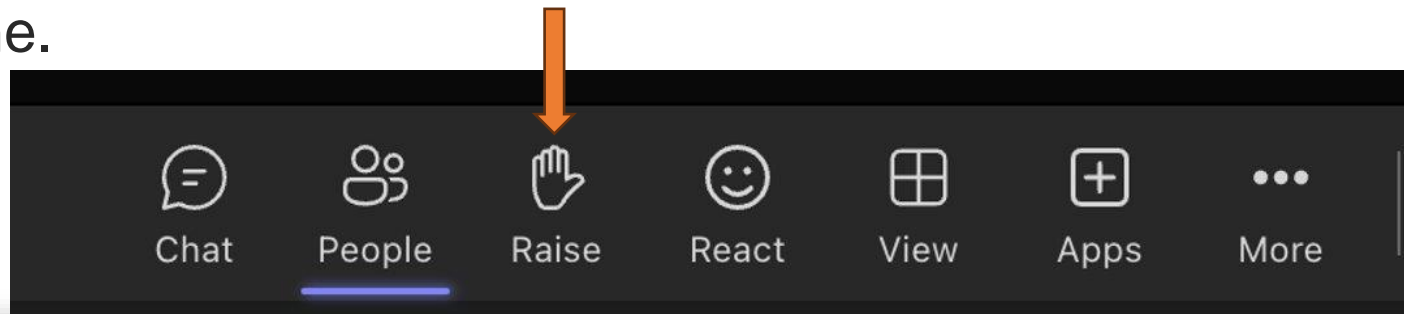
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# How to ask questions during Webinar

- ❑ Questions will be addressed during the Q&A phase of the presentation.
- ❑ Questions can be asked by raising your hand and your microphone will be unmuted, or you can leave your questions in the chat.
- ❑ Questions that do not get answered during the allotted time will be answered and posted on [www.NEUP.gov](http://www.NEUP.gov).
- ❑ Specific questions on individual eligibility or topic area detail should be addressed offline.



# FY 2025 Phase II Continuation CINR FOA

## Objectives and Priorities

- ❑ Focused on continuing promising research pathways by soliciting applications that directly complement and extend research that has previously been awarded through NEUP.
- ❑ Phase II Continuation projects, by their nature as extensions of current research direction, are shorter in duration and smaller in scope than original CINR projects.
- ❑ Phase II Continuation projects should provide a logical path between the current research scope on an active CINR project and the new scope in a way that creates a seamless transition between the two projects.
- ❑ Phase II Continuation and the original CINR project are separate, competitive DOE awards.

# FY 2025 Phase II Continuation CINR FOA

## Objectives and Priorities

- ❑ CINR awarded projects, including R&D, IRP and Mission Supporting/Strategic Needs R&D and IRPs, that conclude between January 1, 2025, and September 30, 2025, are eligible to apply
- ❑ Phase II Continuation are anticipated to begin August 1, 2025.
- ❑ The active CINR project and a Phase II Continuation CINR award can have minimal overlap, typically no more than two months between August 1, 2025, and September 30, 2025.

# FY 2025 Phase II Continuation CINR Major NE Funded Research Programs

**Fuel Cycle Research  
and Development  
Program**

**Reactor Concepts  
Research,  
Development, and  
Demonstration  
Program**

**Nuclear Energy  
Advanced Modeling  
and Simulation  
Program**

**Nuclear Energy  
Enabling Technologies  
Crosscutting  
Technology  
Development**

**Interim Storage for  
Commercial Spent  
Nuclear Fuel**

# FY 2025 Phase II Continuation CINR Due Dates

- ❑ FOA Release (pending): **Week of May 13, 2024**
- ❑ Phase II Continuation LOIs Due: **June 05, 2024, at 5:00 p.m. ET**
- ❑ Phase II Continuation Full Applications Due: **October 02, 2024, at 5:00 p.m. ET**



# FY 2025 Phase II Continuation CINR Overview

## ❑ Award Size

- Up to 2/3's of the original CINR project award, typically falling within the \$300,000-\$1,000,000 range

## ❑ Estimated Funding

- Approximately \$3 Million

## ❑ Expected Number of Awards

- Approximately 4 awards

## ❑ Period of Performance

- Up to 2 Years

## ❑ Official FOA (DE-FOA-0003310) at <http://www.grants.gov>

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

# FY 2025 Phase II Continuation CINR Eligibility and Restrictions

## □ Eligibility

- Universities are prime/lead applicant.
- Universities, national laboratories and industry are eligible to collaborate.
- For R&D, IRP and Mission Supporting/Strategic Needs R&D and IRP

## □ Restriction

- Only one Phase II Continuation application per active CINR
- Applications can only be made by the lead institution of a currently active CINR award
- The lead PI on the active CINR award and Phase II Continuation application should be the same.
- Extenuating circumstances where a new PI at the lead institution needs to be identified should be pre-approved by DOE.
- **Eligibility restrictions from the CINR FOA do not apply to this funding opportunity.**



# FY 2025 Phase II Continuation CINR Application process

## ❑ Letter of Intent

- 5-page limit
- Project description that includes descriptions of:
  - Current progress on the existing CINR award and anticipated deliverables in the final 12 months of the project.
  - Summary of milestone completion, schedule, and performance of the current award.
  - A description of the new scope proposed as the Phase II Continuation CINR portion of the project.
  - How the two projects would integrate and the importance of direct follow-on to the current research objectives.
- ❑ Letters of Intent will be combined with reports from the active project and evaluated by programmatic experts.
- ❑ Only invited applications from the Letter of Intent process will be eligible to submit a full application.

# FY 2025 Phase II Continuation CINR Application process contd.

## ❑ Full Applications

- Phase II Continuation applications will require a 5-page transition plan to describe how the two projects will integrate, including any risks and mitigation strategies to ensure a smooth transition between projects.
  - Other full application requirements mirror the traditional CINR R&D FOA process.
- ❑ Full applications will be evaluated by a panel of experts which will include multiple technical peer reviewers evaluating technical merit.

# FY 2025 Phase II Continuation CINR List of Full Application Documents

Name of Document	Format	Required From	Signature Required
Conflict-of-Interest	Checkbox	Certified by Lead Applicant for all Participants	
SF-424 R&R	Form	Lead Applicant	Yes
Research and Related (R&R) Other Project Information	Form	Lead Applicant	
Project Abstract (1 page for R&D, 2 pages for IRPs)	PDF	Lead Applicant	
Project Narrative (10 pages)	PDF	Lead Applicant	
Transition Plan (5 pages)	PDF	Lead Applicant	
Vitae - Technical Expertise and Qualifications (3 pages each)	PDF	All Leads and Key/Senior Personnel	
Benefits of Collaborations (4 pages)	PDF	Lead Applicant	
Capabilities (2 pages)	PDF	Lead Applicant	
SF-424 R&R Lead Budget Form	Form (Excel)	All Lead Applicants	
SF-424 R&R Subaward Budget if applicable	Form (Excel)	Collaborators who meet minimum requirements (work estimated to be \$250,000 or more or 50% of the total work effort, whichever is less)	

# FY 2025 Phase II Continuation CINR

## List of Full Application Documents contd.

Name of Document	Format	Required From	Signature Required
Budget for DOE/NNSA FFRDC	PDF	National Laboratory Collaborators	Yes
Budget Justification	PDF	University Leads and Industry participants	
Subaward Budget Justification, if applicable	PDF	Collaborators who meet minimum requirements (work estimated to be \$250,000 or more or 50% of the total work effort, whichever is less)	
Current and Pending Support	PDF or Form	All University and Key/Senior Personnel	Yes
Coordination and Management Plan	PDF	Lead Applicant	
Letter of Authorization for DOE/NNSA FFRDCs, if applicable	PDF	National Laboratory participants (including non-funded national laboratory collaborators)	Yes
Project/Performance Site Location	Form	All sites performing work	
Disclosure of Lobbying Activities SF-LLL	Form	Lead Applicant	Yes
Certifications and Assurances	Form	Lead Applicant	Yes
Transparency of Foreign Connections	PDF	All University and Key/Senior Personnel	
Project Commitment to Energy Justice and Energy Equity (Optional)	PDF	Optional	

# FY 2025 Phase II Continuation CINR LOI Review Criteria

## **Criterion 1 (35%) : Advances the State of Knowledge and Understanding and Addresses Gaps in Nuclear Science and Engineering Research**

- Evaluation is based on the technical merit of the proposed R&D project, including the extent to which the project advances the state of knowledge and understanding and addresses gaps in nuclear science and engineering research. Evaluation will also consider how important the proposed project is to advance knowledge and understanding within the area selected and how well the proposed project advances, discovers, or explores creative, original, or potentially transformative concepts.

## **Criterion 2 (35%) : Past Project Performance**

- DOE will evaluate the overall quality/acceptability of work on the current CINR project and the proposed plan for completion provided in the application. In evaluating this criterion, DOE may consider the following: (1) timeliness of deliverables, milestones, and reporting; (2) research progress; (3) student development and support; and (4) research productivity (conference proceedings, journal articles, etc.).

## **Criterion 3 (30%) : Applicant Team Capabilities, Risks, and Experience**

- DOE will evaluate the extent to which the applicant team provides objective evidence that it has the resources and abilities to successfully complete the R&D project in a technically defensible manner. Current activities, relevance and depth of the organization's experience and capabilities, past performance, together with that of the PI, and the adequacy of the requested resources and their supporting justification, will all be evaluated as they relate to the likely successful completion of the R&D objectives.

# FY 2025 Phase II Continuation CINR LOI Review Criteria contd.

❑ **All applications will be evaluated for relevance to the NE mission**

❑ **Diverse Team Review**

- Up to 3 points may be contributed to the overall score during the merit review process of both LOI and Full Applications based on the degree to which an application is led by or effectively partners with Minority Serving Institutions (MSIs), including Historically Black Colleges and Universities (HBCUs) and Tribal Colleges and Universities (TCUs).
- Diverse teams and partnerships are not required for projects to be evaluated as unquestionably relevant; however, diverse teams and partnerships will increase the average overall score by up to 3 points

# FY 2025 Phase II Continuation CINR Full Application Review Criteria

## ☐ **Criterion 1 (35%) : Advances the State of Knowledge and Understanding and Addresses Gaps in Nuclear Science and Engineering Research**

- Evaluation is based on the technical merit of the proposed R&D project, including the extent to which the project advances the state of knowledge and understanding and addresses gaps in nuclear science and engineering research. Evaluation will also consider how important the proposed project is to advance knowledge and understanding within the area selected and how well the proposed project advances, discovers, or explores creative, original, or potentially transformative concepts.

## ☐ **Criterion 2 (35%) : Technical Quality of the Proposed R&D Project**

- Evaluation is based on the overall quality/acceptability of the proposed R&D project. Evaluation criterion under consideration are as following: (1) Integration of the past CINR award with the new scope of work; (2) Merit, feasibility, and realism of the proposed methodology and approach to the project; (3) Schedule, including sequence of project tasks, principal milestones, and times for each task; (4) Planned assignment of responsibilities; (5) Proposed project efficiencies (6) Technical expertise available to the applicant in carrying out the project.

## ☐ **Criterion 3 (30%) : Applicant Team Capabilities, Risks, and Experience**

- DOE will evaluate the extent to which the applicant team provides objective evidence that it has the resources and abilities to successfully complete the R&D project in a technically defensible manner. Current activities, relevance and depth of the organization's experience and capabilities, past performance, together with that of the PI, and the adequacy of the requested resources and their supporting justification, will all be evaluated as they relate to the likely successful completion of the R&D objectives

# FY 2025 Phase II Continuation CINR Full Application Review Criteria contd.

- ❑ **All applications will be evaluated for relevance to the NE mission**
- ❑ **Diverse Team Review**
  - Up to 3 points may be contributed to the overall score during the merit review process of both LOI and Full Applications based on the degree to which an application is led by or effectively partners with Minority Serving Institutions (MSIs), including Historically Black Colleges and Universities (HBCUs) and Tribal Colleges and Universities (TCUs).
  - Diverse teams and partnerships are not required for projects to be evaluated as unquestionably relevant; however, diverse teams and partnerships will increase the average overall score by up to 3 points



# FY 2025 Phase II Continuation CINR Contact Information



## Technical Questions

- Contact [neup@inl.gov](mailto:neup@inl.gov)

## DOE-ID Procurement Questions

- Andrew Ford  
[Email: fordaj@id.doe.gov](mailto:fordaj@id.doe.gov)

## NE Integration Office General Application Submittal Questions

- 208-526-5689
- [Email: neup@inl.gov](mailto:neup@inl.gov)

# Questions?

