

Idaho State UNIVERSITY

Office for Research
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TO: Idaho Researchers

FROM: Cornelis Van der Schyff, Idaho DOE EPSCoR Project Director, Vice President for Research, Idaho State University

DATE: December 5, 2016

RE: Preparation for next DOE EPSCoR Implementation grant proposal from Idaho

Based on the 2014 funding opportunity announcement DE-FOA-0001087 – DOE Implementation Grants.

In preparation for the next round of DOE EPSCoR Implementation grant applications, the Idaho DOE EPSCoR office has developed the following plan.

At this time there has been no announcement about the due date for the next round of DOE EPSCoR Implementation grant applications. Each EPSCoR jurisdiction is allowed to submit **one** proposal per round of competition to the Implementation program. This announcement will begin the process in Idaho to select that one project idea.

Teams of scientists from the universities across the state are encouraged to develop, in partnership with National Labs, white papers describing a research project to be proposed to DOE EPSCoR.

Research topics must be relevant to DOE research and support the DOE's overarching mission by supporting basic and applied research and development across a wide range of non-defense topical areas across the Department including Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics in the Office of Science. It may also support research relevant to other DOE programs including but not limited to: the Office of Electricity Delivery and Energy Reliability, the Office of Energy Efficiency & Renewable Energy, the Advanced Research Projects Agency-Energy, the Energy Information Administration, the Office of Environmental Management, the Office of Fossil Energy, the Office of Legacy Management, non-defense needs of the National Nuclear Security Administration, and the Office of Nuclear Energy.

❖ **White paper submission**

*The white paper is limited to 10 single spaced pages. A cover page must be included (see attached template) and does not count as part of the 10 pages. Two-page biosketches of PI and Co-PIs should be included. A budget is not required at this stage.

*It is due March 1, 2017 to eastdebb@isu.edu. The Idaho DOE EPSCoR committee will review the white papers and select one project that will be developed into the proposal to be submitted from Idaho.

(If a proposal deadline date is announced by DOE before March 1 an announcement will be made to all Idaho researchers, letting you know that the white paper deadline will be before March 1.)

*DOE EPSCoR funding will not be available to any Federally Funded Research and Development Center (INL, PNNL, etc) but collaboration with researchers at these institutions is encouraged.

*Your white paper should address the following points, as described in the 2014 RFP starting on page 15:

http://science.energy.gov/~media/grants/pdf/foas/2014/SC_FOA_0001087.pdf.

The Project Narrative comprises the research plan for the project. It should contain enough background material in the Introduction, including review of the relevant literature, to demonstrate sufficient knowledge of the state of the science. The major part of the narrative should be devoted to a description and justification of the proposed project, including details of the method to be used.

Background/Introduction: Explanation of the importance and relevance of the proposed work as well as a review of the relevant literature.

Proposed Research and Methods: Identify the hypotheses to be tested (if any) and the methods to be used including the integration of experiments with theoretical and computational research efforts.

Project Objectives: This section should provide a clear, concise statement of the specific objectives/aims of the proposed project.

Partnerships involved in the Project – Include evidence from National Lab partner, industry, etc. that they will participate. Firm commitments are not needed at this time.

Describe how your project will jumpstart infrastructure development in the jurisdiction(s) through increased human and technical resources.

Describe how your project will provide professional development for junior faculty and graduate and undergraduate students.

*Your narrative should show how your project supports the Strategic Research Plan for Idaho Higher Education, 2016-2020. The link to this report can be found at

http://www.idahoepscor.org/about_epscor

❖ **Evaluation and Selection of project to submit to DOE:**

A committee of the DOE EPSCoR Project Coordinator (Neels Van der Schyff), the ID EPSCoR chair (Laird Noh), and the VPRs of UI and BSU (Janet Nelson and Mark Rudin) will review the white papers and select one project.

The following points will be evaluated to determine the project that will go forward:

*The extent to which the project addresses one energy-related scientific theme that is relevant to DOE and the Idaho Research Strategic Plan.

*The extent to which the project includes faculty from more than 1 university in Idaho.

*The extent to which the project partners with a National Lab.

*The extent to which the project involves junior faculty, graduate and undergraduate students in meaningful roles and provide professional development opportunities.

Questions on this process can be addressed to Cornelis Van der Schyff, vandcorn@isu.edu or Deb Easterly, eastdebb@isu.edu

❖ **Below is a short description of the DOE EPSCoR Implementation grant program. IT IS YOUR RESPONSIBILITY TO REVIEW THE ENTIRE CALL FOR FUNDING. THIS CAN BE FOUND AT http://science.energy.gov/~media/grants/pdf/foas/2014/SC_FOA_0001087.pdf.**

SUMMARY The U. S. Department of Energy's Experimental Program to Stimulate Competitive Research (DOE EPSCoR) is a federal-state partnership program designed to help the Department lead the world in meeting today's and tomorrow's energy needs by increasing the geographic diversity of competitive capability to conduct energy-related research and development. Positioned within the Department's Office of Science (SC) in the Office of Basic Energy Sciences, and supporting basic and applied research and development across a wide range of DOE Programs, DOE EPSCoR hereby announces its interest in receiving applications for Implementation Grants from the academic, non-profit or industrial research community in states and territories (hereafter referred to as jurisdictions) eligible for the program.

Specifically, applications are sought for improvement of research competitiveness in key science and technology areas related to DOE Mission(s) identified by the jurisdiction's EPSCoR governing committee or other appropriate organization on behalf of the jurisdiction. Grants awarded under this program are meant to improve research infrastructure and to support a group of scientists and engineers including graduate students and post-doctoral fellows working on a common scientific

theme in one or more than one EPSCoR jurisdictions. These awards are not appropriate mechanisms to provide support for individual faculty science and technology research projects

SUPPLEMENTARY INFORMATION The U.S. Department of Energy's Experimental Program to Stimulate Competitive Research (DOE EPSCoR) is a federal-state partnership program designed to:

- Improve the science and technology infrastructure across the Nation through support of a broader geographical distribution of research and development capacity, increased human and technical resources, and training of scientists and engineers.
- Enhance the capabilities of designated jurisdictions to conduct sustainable and nationally competitive energy-related research.
- The objectives of DOE Implementation Grants are, in partnership with the EPSCoR jurisdictions, to:

- Jumpstart infrastructure development in the jurisdiction(s) through increased human and technical resources.
- Support a group of scientists working on a common scientific theme, with mutually supporting goals and objectives.
- When topically relevant to the subject matter of the application promote collaborations with other institutions of higher education and industry with strong participation by students, postdoctoral fellows, and junior faculty from EPSCoR jurisdictions. These collaborations may include institutions from other EPSCoR jurisdictions. Collaborations involving more than one institution are not a requirement. DOE EPSCoR also encourages but does not require Implementation Grants to work toward building beneficial relationships between institutions in EPSCoR jurisdictions and the 10 world class Federally Funded Research and Development Centers (FFRDCs) managed by the Office of Science. These institutions offer opportunities to leverage capabilities of DOE national user facilities and develop intellectual collaborations that may not be available locally. Please refer to the section on funding limitations below for limitations on national laboratory participation.

❖ **Coversheet template**

PI name, contact information, affiliation (university)

Co-PI name, contact information, affiliation

National Lab collaborator – name, contact information

Project name

Project abstract – 250 words