



Funding Opportunities

October 3, 2022

Department of Energy, Office of Fossil Energy and Carbon Management

BIL - Rare Earth Element Demonstration Facility | Deadline: Nov. 21, 2022

SUMMARY: The Department of Energy Office of Fossil Energy and Carbon Management, in collaboration with the Office of Manufacturing and Energy Supply Chains, is issuing this Funding Opportunity Announcement. Awards made under this Announcement will be funded, in whole or in part, with funds appropriated by the Infrastructure Investment and Jobs Act, also more commonly known as the Bipartisan Infrastructure Law. The Bipartisan Infrastructure Law will invest appropriations of \$156 million for the design, construction, and operation of a Rare Earth Element Demonstration Facility that demonstrates the extraction, separation and refining from unconventional feedstock materials to high purity individual or binary rare earth metals and/or critical minerals and materials.

Anticipated Number of Awards: DOE anticipates making approximately eight awards under this FOA in Phase I and one award (competitively down-selected) in Phase II.

Award Ceiling: \$32,000,000

Informational Webinar: Oct 13, 2022 | 2:00-3:00pm EST | [Access Link](#)

Additional Information: [DE-FOA-0002618](#)

National Science Foundation

Major Research Instrumentation Program | Concept: Nov. 13, 2022 / Full: Jan. 19, 2023

SUMMARY: The Major Research Instrumentation (MRI) Program serves to increase access to multi-user scientific and engineering instrumentation for research and research training in our Nation's institutions of higher education and not-for-profit scientific/engineering research

organizations. An MRI award supports the acquisition or development of a multi-user research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs.

MRI provides support to acquire critical research instrumentation without which advances in fundamental science and engineering research may not otherwise occur. MRI also provides support to develop next-generation research instruments that open new opportunities to advance the frontiers in science and engineering research. Additionally, an MRI award is expected to enhance research training of students who will become the next generation of instrument users, designers and builders.

An MRI proposal may request up to \$4 million for either acquisition or development of a research instrument. Track 1: Track 1 MRI proposals are those that request funds from NSF greater than or equal to \$100,000 and less than \$1,000,000. Track 2: Track 2 MRI proposals are those that request funds from NSF greater than or equal to \$1,000,000 up to and including \$4,000,000.

Additional Information: [LTD SUB: 2022 NSF MRI](#)

Department of Energy, Office of Nuclear Energy

FY 2023 Distinguished Early Career Program | Due: Nov. 3, 2022

SUMMARY: The Distinguished Early Career Program (DECP) is the Department of Energy Office of Nuclear Energy's (DOE-NE) most prestigious award for faculty members beginning their independent careers. The intent of the program is to provide stable support at a sufficient level and duration to enable awardees to develop careers, not only as outstanding researchers, but also as educators demonstrating commitment to teaching, learning, and dissemination of knowledge. DOE-NE encourages all eligible applicants, especially women, members of underrepresented minority groups, and persons with disabilities, to apply.

This FOA is soliciting distinguished early career applications that provide a clear research and education plan that highlights the applicant's research and educational strengths, the research and education vision to support the development of the faculty member, research infrastructure, curriculum, and research outcomes that will advance the applicant's research focus while training the next generation of nuclear energy professionals. Applications should focus on DOE-NE mission areas.

DOE-NE's mission is to advance nuclear energy science and technology to meet U.S. energy, environmental, and economic needs. NE has identified the following goals to address challenges in the nuclear energy sector, to help realize the potential of advanced technology, and to leverage the unique role of the Government in spurring innovation:

1. Enable continued operation of existing U.S. nuclear reactors;
2. Enable deployment of advanced nuclear reactors; and
3. Develop advanced nuclear fuel cycles and spent nuclear fuel management options

Estimated Funding: DOE anticipates a total of \$2,500,000 in current fiscal year funds will be used to support awards under this FOA. The ceiling and floor for this FOA are the same. The maximum award for the DECP is \$625,000 over five years.

Expected Number of Awards: 4

Additional Information: [DE-FOA-002734](#)