



DELAWARE ENERGY  
INSTITUTE

## Funding Opportunities

### October 10, 2022

*Department of Energy, Office of Clean Energy Demonstrations*

#### **Workshops: Energy Improvements in Rural or Remote Areas**

**SUMMARY:** DOE is interested in hearing about how demonstration projects will improve the resilience, safety, reliability, availability, and environmental performance of rural and remote energy systems throughout the country. These workshops are an opportunity to hear about energy challenges and the types of projects that can improve rural or remote energy systems. These workshops will:

- Provide a detailed overview of the ERA program to interested stakeholders.
- Collect feedback from stakeholders on drivers, challenges, and potential impacts of demonstrations.
- Offer a forum for stakeholder networking in preparation for the funding opportunity announcement.

#### **UPCOMING ERA WORKSHOPS:**

- **October 12-13, 2022** – Golden, CO. Workshop focusing on the Western United States. Register [here](#).
- **October 25-26, 2022** – Little Rock, AR. Workshop focusing on the Eastern United States. Register [here](#).
- **November 1-2, 2022** Virtual workshop. Register [here](#).

**ADDITIONAL INFORMATION:** [ERA 2022](#)

---

*National Science Foundation*

**EFRI Topic Ideas Request | Due: October 31, 2022**

**SUMMARY:** The Emerging Frontiers in Research and Innovation (EFRI) Program in the Directorate for Engineering is initiating the biennial search for emerging topics that will become the focus of research supported by the EFRI Program for FY24/5. This program

undertakes to identify and fund research in emerging topic areas with the following characteristics: (1) Transformative; (2) Addressing a national or societal need, or grand challenge; (3) Multidisciplinary, with a significant leadership role for engineering; and (4) in an area in which the community is poised to respond (i.e., it is emerging not exploratory)

Through this DCL, we invite the research community to submit suggestions for Topic Ideas. Your ideas will serve as an important input to internal deliberations of the NSF Directorate for Engineering on defining and selecting research topics for the FY2024/25 EFRI Solicitation.

**ADDITIONAL INFORMATION:** [NSF 22-130](#)

---

*Department of Energy, Advanced Manufacturing Office/Geothermal Technologies Office*  
**NOI: Lithium Extraction & Conversion from Geothermal Brines**

**SUMMARY:** The U.S. Department of Energy announced its intent to issue a funding opportunity that will support research on the extraction and conversion of lithium from geothermal brines for use of lithium batteries in electric vehicles and clean energy storage. This investment will help advance and diversify the domestic supply of lithium hydroxide that our nation needs to meet the Biden Administration goals of a net-zero clean energy economy by 2050 and 50% electric vehicle adoption by 2030.

Geothermal brines – a byproduct of clean, geothermal power – have become a proven, sustainable resource of critical materials, including lithium. Direct lithium extraction from geothermal brines provides an opportunity to manufacture battery-grade lithium hydroxide from domestic sources in a safe and sustainable way.

In August of 2022, the Geothermal Technologies Office (GTO) launched a Lithium StoryMap that focuses on how geothermal energy production can help support domestic lithium extraction. The Lithium StoryMap provides a high-level overview of the relationships between geothermal energy, lithium, and the Salton Sea area of California, and how geothermal energy can play a critical role clean energy economy.

This potential funding opportunity will spur the development of domestic lithium supply and refinement capacity to secure America’s clean energy supply chains and increase U.S. manufacturing competitiveness abroad. It is anticipated that the FOA may include the following Areas of Interest:

- Field Validation of Lithium Hydroxide Production from Geothermal Brines
- Applied Research & Development for Direct Lithium Extraction from Geothermal Brines

The notice of intent (NOI) includes a Teaming Partner List to help identify a broad and inclusive range of interested individuals and organizations, as well as potential areas of interest for the funding opportunity.

The Office of Energy Efficiency and Renewable Energy (EERE) plans to issue the FOA via EERE Exchange in the fall of 2022. The funding opportunity is expected to include approximately \$12 million in federal funding. The estimated period of performance for the award will be three years.

**ADDITIONAL INFORMATION:** [DE-FOA-0002860](https://www.eere.energy/foia/record/DE-FOA-0002860)