

Clean Energy Demonstration Program on Current and Former Mine Land

PCFO Request for Information Snapshot

July 5, 2022

<u>Department:</u> Department of Energy (DOE)	<u>Agency:</u> Office of Clean Energy Demonstrations (OCED)
<u>Application Deadline:</u> August 15, 2022	<u>Docket Number:</u> DE-FOA-0002811

Summary

Under Section 40342 of the Bipartisan Infrastructure Law, the Department of Energy is authorized to establish a program to demonstrate the technical and economic viability of clean energy projects on current and former mine land, to be carried out by developing between two (2) and five (5) clean energy projects on mine land in geographically diverse regions. The Office of Clean Energy Demonstrations (OCED) is appropriated \$500 million over a five (5) year period to carry out this program. This program will also support the Biden Administration's goal to achieve a carbonfree electric grid by 2035 and a net zero emissions economy by 2050.

The purpose of this RFI is to solicit feedback from stakeholders on issues related to the demonstration of clean energy projects on mine land. DOE is specifically interested in information on how demonstration programs can be implemented to stimulate private sector follow-on investments and deliver maximum benefits in terms of high-quality job creation, local and regional economic development, environmental justice and greenhouse gas emission reductions.

Background

The Clean Energy Demonstration Program on Current and Former Mine Land will support the construction of at least 2 and no more than 5 clean energy demonstration projects on current and former mine land, at least 2 of which will be solar projects. For purposes of this program, a "clean energy project" is defined as a project that demonstrates one (1) or more of the following technologies:

- Solar
- Microgrids
- Geothermal energy
- Direct air capture
- Fossil-fueled generation with carbon capture, utilization, and sequestration
- Energy storage, including pumped-storage hydropower and compressed air
- Advanced nuclear

In addition, DOE is interested in responses on combinations of two or more of the technologies listed above.

Technologies not included in section 40342 of the BIL are not eligible for funding under this provision but may be relevant to other DOE programs and to communities seeking to develop energy projects on their mine lands. DOE invites respondents to this request to include information relevant to the development of the following technologies:

- Bioenergy
 - Wind power
 - Hydropower (in addition to pumped storage hydropower)
 - Recovery of critical minerals
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Who Should Respond Stakeholders, including the clean energy industry and its investors, the mining industry and landowners, federal and state regulatory agencies, state and local governments, labor unions, environmental justice organizations, Tribal officials, disadvantaged communities (DACs), community-based organizations, economic development organizations, conservation and environmental groups, and academic and other research institutions are encouraged to respond.

Response Guidelines Respondents may answer as few or as many of the questions as they would like. For ease of replying and to aid categorization of your responses, please copy and paste the RFI questions, including the question numbering, and use them as a template for your response.

It is recommended that attachments with file sizes exceeding 25MB be compressed (i.e., zipped) to ensure message delivery. Responses must be provided as a Microsoft Word (.docx) attachment to the email, and no more than 50 pages in length, 12-point font, 1-inch margins. Only electronic responses will be accepted.

Respondents are requested to provide the following information at the start of their response to this RFI:

- Company / institution name;
 - Company / institution contact;
 - Contact's address, phone number, and e-mail address
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Key Questions The questions in this RFI are grouped into six categories. A full list of questions can be found in the full [Request for Information](#).

- Category 1: Mine Land Development
 - 1A: Development Barriers and Needs
 - 1B: Potential Environmental Impacts
- Category 2: Mine Land Operations
- Category 3: Job Creation Potential and Challenges
- Category 4: Technology-Specific Concerns
 - 4A: Siting and Land Considerations
 - 4B: Regulatory and Economic
 - 4C: Hybrid Demonstration Projects
- Category 5: Mine Land Program Implementation
- Category 6: Equity, Environmental and Energy Justice (EEEJ) Priorities

How to Submit

Responses to this RFI must be submitted electronically to mineland@hq.doe.gov no later than 5:00pm (ET) on 08/15/2022. Responses must be provided as attachments to an email.

Resources

- [Request for Information on the OCED Exchange](#)
- [DOE Program Page](#)