

Energyshed: Exploring Place-Based Generation

PCFO IGAP Grant Snapshot

June 30, 2022

<u>Agency:</u> Department of Energy	<u>Bureau:</u> Energy Efficiency and Renewable Energy Office
<u>Application Deadline:</u> August 1, 2022 at 5:00 PM ET	<u>Max Award:</u> \$5 million

Description

The Energyshed opportunity aims to invest in innovative research, development, and demonstration (RD&D) projects that accelerate the large-scale development and deployment of renewable energy to support an equitable transition to a decarbonized electricity system by 2035 and net-zero emissions economy by 2050.

The goal of this funding opportunity is to develop the tools and processes to help a broad set of stakeholders understand the implications and participate in the development of locally-based energy generation in their community. To achieve this goal, applicants will assimilate data from a variety of sources into novel tools, “dashboards,” or other applications that will assess the impacts and tradeoffs, including potential benefits and challenges of locally-based energy generation. These tools should be accessible and easy-to-use to a wide array of stakeholders that are not necessarily electric power system experts. Achievement of this goal should accelerate deployment of renewable energy towards an equitable de-carbonized grid, and it will come through pursuit of several concurrent objectives in successful system design.

Eligible Recipients

1. Individuals: US citizens and permanent residents
2. Domestic Entities: For-profit entities, educational institutions, and nonprofits
3. States
4. Local governments
5. Tribal governments
6. Federally Funded R&D Centers (FFRDCs): Eligible to apply as a subrecipient, but not a prime recipient
7. Federal agencies and instrumentalities: Eligible to apply as a subrecipient, but not a prime recipient

Matching Grant Requirements

20% cost share requirement

Eligible Projects

Successful projects will develop tools and processes necessary for determining the impacts and tradeoffs, including potential benefits and challenges of incorporating more locally-based generation in a discrete geographic area. This may include dashboards, applications, accessible code and programs, and other analysis-based mechanisms; and should be accessible and easy-to-use to a wide array of stakeholders that are not necessarily electric power system experts.

More specifically, successful projects will:

- Collect a variety of relevant data as needed from utilities, consumers, local governments, community-based organizations, etc. necessary to make energy decisions and for understanding the implications of those choices;
- Develop a set of analytical tools which provide stakeholders the ability to fully weigh the impacts and tradeoffs, including potential benefits and challenges of developing more locally-derived generation under a range of future scenarios;
- Create associated communications tools to efficiently present analytical results in an appropriate context for different categories of users; and
- Validate data, tools and processes through robust stakeholder engagement with one or more representative communities.

New or Existing Program

New program

Tips for Being Competitive

Competitive applicants will demonstrate how their proposed projects will accomplish goals under the four merit criteria: 1) Technical Merit, Innovation, and Impact; 2) Project Research and Market Transformation Plan; 3) Team and Resources; 4) Diversity, Equity, and Inclusion.

Labor Requirements

The applicant must agree to a U.S. Competitiveness provision requiring any products embodying any subject invention or produced through the use of any subject invention will be manufactured substantially in the United States unless the Recipient can show to the satisfaction of the Department of Energy (DOE) that it is not commercially feasible.

Examples of Prior Award Recipients

N/A

Agency Contact

energyshed@ee.doe.gov

Upcoming Webinars and Information Sessions

A recording and presentation slides from a webinar held on June 22, 2022 can be found on the [EERE Exchange Funding Opportunity Page](#).

**Types of Partners
Required**

Applicants are strongly encouraged to include utilities, local governments, and community-based organizations as part of their project team. In addition, applicants are also encouraged to include partners with the capabilities to collect data and develop the software tools necessary to build the platform outlined in this solicitation including academia, social scientists, economists, national laboratories, and software developers.

Total Allocation

\$10 million

**Anticipated Award
Date**

September to November 2022

**Link to Grant
Opportunity**

- [Funding Opportunity on the EERE Exchange](#)
- [Funding Opportunity Announcement](#)