

**Notice of Intent DE-FOA-0001083 to Issue
Funding Opportunity Announcement No. DE-FOA-0001084**

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Building Technology Office, a Funding Opportunity Announcement (FOA) entitled “Commercial Building Technology Demonstrations.”

DOE seeks to fund demonstrations of commercial building technologies and integrated technology-based strategies that are market ready and underutilized. The objective of this funding is to generate and deploy data, case studies and information that lower perceived risk regarding the efficacy and economic benefits of innovative and under-utilized commercial building technologies that can save significant amounts of energy in new and existing commercial buildings. Technologies funded under this FOA are likely to meet the investment hurdles for the commercial real estate market at scale, but may not at the current time, and will have the potential to significantly reduce energy consumption in U.S. commercial buildings.

Ideal proposals will demonstrate the effectiveness of the technologies, including their impact on building energy use, operational costs, market readiness, market penetration outlook (with a deployment partner to determine market status, commercial availability, competitive pricing outlook, sales channels, and implement deployment plans) and other quantifiable and non-quantifiable benefits. Proposals should include the demonstration of the technology in at least three, preferably 5-10 pilot sites although, depending on technology, more sites may be appropriate. Demonstrations should result in the application of the technology and collection of performance data (for energy consumption, cost and other benefits) that can be publicly published and distributed in order to support and accelerate the deployment of the demonstrated technology. Proposals should focus on overcoming barriers to deployment and identifying the approaches necessary to impact target commercial building type(s) in various climates. Selected proposals will result in the deployment and increased sales of efficient, high impact technologies and the development of improved data sets, resources and other materials that will enable the widespread adoption to occur. DOE will look for applicant teams that include partners with existing deployment channels (i.e. regional organizations, non-profits, utilities, trade associations, etc.) and partners representing diverse industry sectors and/or large portfolios of buildings, who are able to demonstrate and rapidly deploy the technology beyond the initial pilot and across an identified market sector. These applicant teams will have a clear plan for scalability and the market orientation so that solutions move from scoping and finalizing demonstration (years 1-3) to national deployment (years 4-5).

It is anticipated that the FOA may include the following Areas of Interest:

- Greater than whole building submetering
- Master/slave plug load strategies
- Open Refrigerated Display Case Retrofits
- Daylighting Systems and Controls
- Shading Systems (Internal and External)
- Advanced Compressor Rack and Refrigerant Systems

This is a Notice of Intent (NOI) only. DOE may issue a FOA as described herein, may issue a FOA that is significantly different than the FOA described herein, or DOE may not issue a FOA at all.

- Retrocommissioning (RCx) Strategies and Technologies
- Dehumidification

EERE envisions awarding multiple financial assistance awards in the form of cooperative agreements. The estimated period of performance for each award will be approximately 3 years.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

In anticipation of the FOA being released, Applicants are advised to complete the following steps, which are **required** for application submission:

- Register and create an account in EERE Exchange at <https://eere-exchange.energy.gov/>. This account will allow the user to register for any open EERE FOAs that are currently in EERE Exchange. It is recommended that each organization or business unit, whether acting as a team or a single entity, use only one account as the contact point for each submission.

Questions related to the registration process and use of the EERE Exchange website should be submitted to: EERE-ExchangeSupport@hq.doe.gov

- Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number (including the plus 4 extension, if applicable) at <http://fedgov.dnb.com/webform>
- Register with the System for Award Management (SAM) at <https://www.sam.gov>. Designating an Electronic Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in SAM registration. Please update your SAM registration annually.
- Register in FedConnect at <https://www.fedconnect.net/>. To create an organization account, your organization's SAM MPIN is required. For more information about the SAM MPIN or other registration requirements, review the FedConnect Ready, Set, Go! Guide at https://www.fedconnect.net/FedConnect/PublicPages/FedConnect_Ready_Set_Go.pdf
- Register in Grants.gov to receive automatic updates when Amendments to a FOA are posted. However, please note that applications will not be accepted through Grants.gov. <http://www.grants.gov/>. All applications must be submitted through EERE Exchange.

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