

Notice of Intent No. DE-FOA-0002637**Notice of Intent to Issue
Funding Opportunity Announcement No. DE-FOA-0002638**

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office (BETO), a Funding Opportunity Announcement (FOA) entitled “Scale-Up of Integrated Biorefineries”.

The FOA will support the highest priority research and development (R&D) areas identified for funding in fiscal year 2022 (FY22) by BETO within biofuel and bioproduct technologies. The FOA will cover two BETO Programs: Advanced Algal Systems and Systems Development and Integration. All topic areas support the White House’s priority for advancing the domestic bioeconomy and support BETO’s Program Goal to achieve \$2.50/gasoline gallon equivalent (GGE) Minimum Fuel Selling Price (MSFP) and at least a 70% reduction in greenhouse gas (GHG) emissions (vs. petroleum baseline) by 2030.

The R&D activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving innovations that lead to the deployment of clean energy technologies. Specifically, this FOA will support high-impact R&D focusing on the production of low-GHG fuels for the aviation industry, the long-haul trucking sector, and marine industries by soliciting proposals to scale-up promising technologies. The FOA intends to provide a continuation of R&D priorities and strategies identified under BETO’s FY21 Scale-up and Conversion FOA (DE-FOA-0002396).

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

Area of Interest 1a: Pre-Pilot Scale-Up of Integrated Biorefineries

Area of Interest 1b: Pre-Pilot Scale-Up of Integrated Biorefineries: Use of Carbon Dioxide from Ambient Air in Algal Systems

Area of Interest 2a: Pilot Scale-Up of Integrated Biorefineries (Preliminary Design and Phased Construction)

Area of Interest 2b: Pilot Scale-Up of Integrated Biorefineries (Final Design and Construction)

Area of Interest 3a: Demonstration Scale-Up of Integrated Biorefineries (Preliminary Design and Phased Construction)

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

Area of Interest 3b: Demonstration Scale-Up of Integrated Biorefineries (Final Design Construction)

EERE envisions awarding multiple financial assistance awards in the form of cooperative agreements. The estimated period of performance for each award will be approximately 12-60 months.

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.

EERE plans to issue the FOA in or about December 2021 via the EERE Exchange website <https://eere-exchange.energy.gov/>. If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE Exchange. When the FOA is released, applications will be accepted only through EERE Exchange.

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/Marketing/Documents/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

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Grants.gov. <http://www.grants.gov/>. All applications must be submitted through EERE Exchange.

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