

Notice of Intent No. DE-FOA-0003137**Notice of Intent to Issue
Funding Opportunity Announcement No. DE-FOA-0003072**

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Bioenergy Technologies Office and the Vehicles Technologies Office, a Funding Opportunity Announcement (FOA) entitled “WASTE: Waste Analysis and Strategies for Transportation End-uses”.

If issued, this FOA will support the development of planning and strategies for utilizing organic waste as a feedstock for various transportation fuel end products. For many communities, organic waste streams present a variety of economic, environmental, and social sustainability challenges. These waste streams include food waste, municipal wastewater sludges, animal manure, fats, oils, and greases. There are significant costs associated with management of organic waste, including treatment, stabilization, hauling, and disposal costs or tipping fees. These waste streams also represent major sources of greenhouse gas emissions and contribute to other environmental issues including air and water quality degradation. Increasingly, State and local laws and regulations are requiring that organic waste streams be diverted from landfills, necessitating the implementation of new processing strategies and development of novel business models to meet these requirements.

Municipal entities and local transit authorities also have significant local demand for the energy that can be derived from these waste streams. There are examples where waste-derived biogas or renewable natural gas¹ (RNG) are being used to fuel bus fleets and trash collection vehicles or produce hydrogen for hydrogen-fueled vehicles. These opportunities are often community-specific, and the planned FOA is intended to help communities realize these or similar synergies between waste infrastructure and sustainable transportation needs. Permissible fuels from projects funded under this FOA could include renewable natural gas, partially upgraded biogas, hydrogen, biocrude, renewable diesel, renewable di-methyl-ether, or others.

Recognizing that communities may be at different stages in their planning efforts, the planned FOA will seek a phased approach to achieve the outcomes described above. Topic Area 1 is intended to support feasibility studies. For communities that may have already identified potential solutions for their waste/transportation needs, Topic Area 2 would support more

¹ Note: unless otherwise indicated, for purposes of this FOA, “renewable natural gas” is biogas that has been upgraded to pipeline standard gas and/or another pipeline-transportable, fungible standard.

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detailed engineering design work to position these entities for future projects and demonstrations.

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

- Topic Area 1 is aimed at helping move communities beyond a conceptualization phase by supporting in-depth feasibility analysis relating to waste-to-fuels approaches. While technical assistance programs can accomplish some of these objectives, direct financial assistance can close this capacity gap.
- Topic Area 2 is targeted toward communities that have previously completed feasibility analyses and are seeking funding to further refine their project concept. Lack of municipal and non-profit staff capacity and availability of funding often puts detailed design work out of reach for many communities; Topic Area 2 is intended to close that gap for completing detailed engineering design. Topic Area 2 will also allow a limited amount of experimental work, intended to generate the data required to refine the engineering design and/or data needed for permitting or air quality analysis. The experimental work can either take place on-site or be done remotely, provided the waste streams being used are sourced from the recipient community. Model waste streams will not be permitted. The use of real waste streams (as opposed to model waste streams) will increase the likelihood of technical success by ensuring the process is sufficiently robust.

The intended eligibility for this FOA is outlined in the table below:

Type of Applicant	Allowed as a prime recipient?	Allowed as subrecipients?
Individuals	No	Yes
Domestic Entities:		
States	Yes	Yes
Local, Tribal, and Intrastate Government Entities and Instrumentalities	Yes	Yes
Nonprofit Organizations	Yes	Yes
Transit Authorities	Yes	Yes
For-profit Organizations other than Transit Authorities	No	Yes
Institutions of Higher Education	No	Yes
DOE and Non-DOE FFRDCs	No	Yes

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Federal Agencies and Instrumentalities	No	Yes
Foreign Entities	No	Yes

For purposes of this FOA, a “transit authority” is (1) either a government agency or a municipally, regionally or tribally contracted for- or non-profit company; (2) that provides or operates public transportation services on behalf of one or more municipalities or regional or tribal governments.

EERE envisions awarding multiple financial assistance awards in the form of cooperative agreements. The estimated period of performance for each award will be approximately 12-24 months.

DOE is compiling a Teaming Partner List to facilitate the formation of new project teams for the FOA. All entities interested in participating as part of an applicant team can provide their contact information for the Teaming Partner List. The list allows organizations to express their interest and to explore potential partners.

- Updates to the Teaming Partner List will be available on the EERE eXCHANGE website. The Teaming Partner List will be regularly updated to reflect new teaming partners who have provided their organization’s teaming partner information.
- SUBMISSION INSTRUCTIONS: Any organization that would like to be included on this list should submit their information to Teaming Partner List via EERE eXCHANGE.
- DISCLAIMER: By submitting a request to be included on the Teaming Partner List, the requesting organization consents to the publication of the above-referenced information. By facilitating the Teaming Partner List, DOE is not endorsing, sponsoring, or otherwise evaluating the qualifications of the individuals and organizations that are self-identifying themselves for placement on this Teaming Partner List # TPL-0000028 in EERE eXCHANGE at [EERE eXCHANGE: Funding Opportunity \(energy.gov\)](https://www.energy.gov/eere-exchange). DOE will not pay for the provision of any information, nor will it compensate any applicants or requesting organizations for the development of such information.

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.

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EERE plans to issue the FOA on or about December 2023 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 apply to any open EERE FOAs that are currently in EERE eXCHANGE.

To access EERE eXCHANGE, potential applicants will be required to have a [Login.gov](https://login.gov/) account. As part of the eXCHANGE registration process, new users are directed to create an account in [Login.gov](https://login.gov/). Please note that the email address associated with Login.gov must match the email address associated with the eXCHANGE account. For more information, refer to the Exchange Multi-Factor Authentication (MFA) Quick Guide in the [Manuals section](#) of 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

- 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. Upon registration, SAM will automatically assign a Unique Entity ID (UEI).

NOTE: Due to the high demand of UEI requests and SAM registrations, entity legal business name and address validations are taking longer than expected to process. Entities should start the UEI and SAM registration process as soon as possible. If entities have technical difficulties with the UEI validation or SAM registration process they should utilize the HELP feature on SAM.gov. SAM.gov will work entity service tickets in the order in which they are received and asks that entities not create multiple service tickets for the same request or technical issue. Additional entity validation resources can be found here: [GSAFSD Tier 0 Knowledge Base - Validating your Entity](#).

- 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

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[https://www.fedconnect.net/FedConnect/Marketing/Documents/FedConnect Ready Set Go.pdf](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 Grants.gov. <http://www.grants.gov/>. All applications must be submitted through EERE eXCHANGE.

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