

Decarbonization of Water Resource Recovery Facilities

PCFO IGAP Grant Snapshot

January 5, 2023

Agency: US Department of Energy (DOE)	Bureau: Office of Energy Efficiency and Renewable Energy (EERE)
Application Deadline: Concept Papers due 01/27/23; Full Applications due 04/03/23	Max Award: Topic 1: \$2.5M; Topic 2: \$4M

Description

The Department of Energy's Decarbonization of Water Resource Recovery Facilities (D-WRRF) grant opportunity aims to reduce direct and indirect emissions and costs for WRRFs.

Eligible Recipients

All applications must include a water resource recovery facility (WRRF) partner as either the prime recipient or a subrecipient.

Topic Area 1

- WRRF Partners;
- For-profit entities;
- Non-profit entities; and
- State, local, and tribal government entities.

The following domestic entities can participate as subrecipients only:

- DOE/NNSA National Laboratories and non-DOE/NNSA National Laboratories/ Federally Funded Research and Development Centers (FFRDCs);
- Institutions of higher education; and
- Federal agencies and instrumentalities (other than DOE).

Topic Area 2

- WRRF Partners;
- Non-profit organizations with at least five years' experience with WRRF development and/or operations;
- For-profit entities with at least five years' experience with WRRF development and/or operations; and;
- State, local, and tribal government entities that qualify as a WRRF Partner.

The following domestic entities can participate as subrecipients only:

- Institutions of higher education;
- For-profit entities;
- Non-profit entities;
- State, local, and tribal government entities;

- DOE/NNSA National Laboratories and non-DOE/NNSA National Laboratories/ Federally Funded Research and Development Centers (FFRDCs); and
- Federal agencies and instrumentalities (other than DOE).

Matching Grant Requirements	Topic 1: 20% non-Federal cost share requirement Topic 2: 50% non-Federal cost share requirement
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Eligible Projects	<p><u>Topic Area 1: Decarbonization of WRRF Unit Processes</u> This topic seeks projects that meet or exceed the GHG emissions and/or cost reductions enumerated above for a specific unit process within WRRFs, with a strong emphasis on GHG reductions while maintaining or decreasing operating costs. For this topic, the metrics will be applied at the unit process level, i.e. proposed projects must achieve a 50% reduction in emissions without increasing total WRRF operating costs.</p> <p><u>Topic Area 2: Reducing overall GHG emissions from WRRFs</u> This topic seeks projects that meet or exceed the GHG emissions and/or cost reductions enumerated above for a more comprehensive treatment train within WRRFs, with a strong emphasis on GHG reductions while maintaining or decreasing operating costs. Compared to Topic Area 1, Topic Area 2 targets the integration of multiple unit operations, at higher levels of technological readiness and larger scales. For this topic, the metrics will be applied at the overall WRRF level, i.e. proposed projects must achieve a 25% reduction in emissions without increasing operating costs vs. baseline operations of an entire facility.</p>
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New or Existing Program	New program
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Tips for Being Competitive	Applicants are required to submit a Diversity, Equity, and Inclusion Plan that describes how they will take actions to foster an inclusive environment, support underrepresented groups in STEM, advance equity, and provide benefits in underserved communities. Competitive applicants will include a comprehensive DEI Plan that contains at least one SMART (Specific, Measurable, Assignable, Realistic and Time-Related) milestone per budget period.
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Labor Requirements	None stated
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Examples of Prior Award Recipients	N/A
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Agency Contact	D-WRRF@ee.doe.gov
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Upcoming Webinars None listed

Total Allocation \$23 million

Anticipated Award Date Summer/Fall 2023

Links to Grant Opportunity

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