Deployment of Innovative Water Technologies for Very Small Drinking Water Systems, Areas Served by Private Wells and Source Waters

Informational Webinar for Applicants

December 8, 2020

Webinar Objectives

- Review application information for the EPA RFA:

  "Deployment of Innovative Water Technologies for Very Small Drinking Water Systems, Areas Served by Private Wells and Source Waters "

- Provide guidance for eligibility, submission, technical aspects of application process
- Answer questions about the application process

Webinar Objectives

Webinar Ground Rules

- Please hold your questions until all EPA presentations have been made.
- You may type your questions in the comments box.

- No specific research project or idea can be discussed but, clarifying questions regarding what is written in the RFA announcement may be answered.
- These slides will be provided after the webinar.
- Please keep yourself muted during the presentation.

Agency Contacts

- **Technical Contact:** Hayley Aja, Project Officer (aja.hayley@epa.gov); 202-564-6427

- **Eligibility Contact:** Ron Josephson, Eligibility & Peer Review Contact (josephson.ron@epa.gov); 202-564-7823

- **Electronic Submissions:** Debra M. Jones, Administrative Officer (jones.debram@epa.gov); 202-564-7839

RFA & Award Information

- Estimated Number of Awards: 1
- Anticipated Funding Amount: $1,000,000
- 35% non-federal cost share/match is **required**
  - Equal to a minimum of $538,462 (assuming the applicant requests $1,000,000 in EPA funds)
- Proposed budget must not exceed $1,000,000 in federal funds
- RFA will close on January 12, 2021 at 11:59:59 pm Eastern Time

Read the RFA very carefully, all necessary information is provided

National Research Program
Overarching Research Topics

Clean Water Act | **Safe Drinking Water Act**

Watersheds

Nutrients and Harmful Algal Blooms

Water Treatment and Infrastructure

SAFE AND SUSTAINABLE WATER RESOURCES RESEARCH PROGRAM

Research Areas

Research Areas:

1. **Reducing the economic costs of deploying demonstrated innovative water technologies.**
2. **Improving public health and reducing the risks of deploying demonstrated innovative water technologies.**
3. **Streamlining the approval process for deploying demonstrated innovative technologies that provide clean drinking water supplies with minimal environmental impact.**

EPA is interested in applications that are responsive to at least one of the research questions listed under EACH of the three research areas .This means at least one research question should be addressed per each research area. **Applications that do not address at least one of the research questions listed under each of the three research areas described below may not be rated as highly as those that do.**

Research Area 1

Reducing the economic costs of deploying demonstrated innovative water technologies

- How can performance and cost data generated in one state be used to streamline the approval of a technology by other state regulatory agencies?
- How can demonstrated innovative water technologies be deployed and maintained in communities with little or no capital or technical resources (e.g., very small public drinking water systems or unincorporated communities)?

Research Area 2

Improving public health and reducing the risks of deploying demonstrated innovative water technologies.

- What are the key areas (e.g., contaminants of concern, infrastructure issues) in need of innovation for the drinking water treatment process in very small public drinking water systems and areas served by private wells?
- What kind of measures can be put in place to manage the public health risk of deploying demonstrated innovative water technologies while receiving regulatory acceptance?

Research Area 3

Streamlining the approval process for deploying demonstrated innovative technologies that provide clean drinking water supplies with minimal environmental impact

- How can existing case studies of states successfully sharing data on innovative technology performance and costs with other states be applied to drinking water testing protocols?
- What, if any, existing test protocols for water technologies are already accepted by multiple state regulatory agencies?
- Beyond the testing protocols that are currently available, what other guidance or information would be needed for deploying demonstrated innovative water technologies across multiple states?
- How can states cooperate and share information among state decisionmakers about deploying demonstrated water technologies?

Example Outputs

- Cost-effective models or frameworks for sharing data on innovative water technologies across multiple states in order to streamline the technology approval process.
- Methods for deploying and maintaining innovative water technology in communities with limited resources.
- Identification of key areas within the treatment process that are in need of innovation to control chemical and biological contaminants of concern.
- Creative strategies for mitigating the public health risk of deploying demonstrated innovative water technologies while receiving regulatory acceptance.

Example Outputs (cont.)

- Identification of effective case studies or generic models of states successfully sharing data on innovative technology performance and costs with other states.
- Identification of any testing protocols for drinking water treatment technologies that are already shared across multiple states.
- Guidance for technology providers to better understand the process for multi-state acceptance for new drinking water treatment technologies.
- Cost-effective methods/models of sharing info about innovative water treatment technologies across states.

Applicants should describe the following:

- Type of collaboration/support proposed and what role it will play in the overall project.
- How the collaboration will

Eligibility Information

- Public water systems
- Public and private institutions of higher education
- Public and private nonprofit institutions/organizations
- Regional water organizations
- Domestic Research that will benefit the US
- Foreign collaborators, data collection or use are OK

International budget needs to be justified, reviewed, and approved

Application Materials

- To apply under this solicitation, use the application package available at **Grants.gov**
- For further submission information see: **RFA Section IV.F.** "Submission Instructions and other Submission Requirements"
- Note: All necessary forms are included in the electronic application package, with the exception of the current and pending support form, available at: **Research Funding Opportunities: How to Apply and Required Forms**

Make sure to include the current and pending support form in your Grants.gov submission

Other Information

Please refer to the following RFA sections for additional Information:

IV. Application And Submission Information

- Required application package materials including:
  - EPA Human Subjects Research Statement (HSRS)
  - Scientific Data Management Plan (SDMP)

V. Application Review Information

- Peer Review Criteria
- Relevancy Review Criteria

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Q & A

Thank you!