PROTECTING TOGETHER

Innovative Technologies Grant Program Project Proposals

Call for Project Proposals

The Florida Department of Environmental Protection (DEP) is seeking project proposals for use of FY 2022-23 Innovative Technology Grant Program funds. These proposals will be reviewed by DEP to identify viable grant projects as part of the selection process. You may be asked for additional information as necessary so your project proposal for applicable funding opportunities can be fully evaluated.

Innovative Technology Grant Program funds are available to local governmental entities for projects that evaluate and implement innovative technologies and short-term solutions to combat algal blooms and nutrient enrichment, restore and preserve Florida waterbodies, and implement certain water quality treatment technologies.

Eligible projects will prevent, mitigate or clean-up harmful algal blooms, with an emphasis on projects that prevent blooms through nutrient reductions. Projects that improve the ability to predict and monitor harmful algal blooms will also be considered for funding.

Approved grant projects will be posted under the awardees button for the grant program on the Grants Portal page.

Eligible project proposals must be submitted by a local government, academic institution or nonprofit organization. Funding cannot be provided by DEP directly to a vendor or private, for-profit entity.

Any information submitted to DEP will become a public record, subject to disclosure in accordance with chapter 119, Florida Statutes, and article 1, §24 of the Florida Constitution. Please note that submittal of a proposal does not create an agreement, nor does it guarantee funding.

Questions

General Information

1. Entity or sponsor name:
2. Is this a governmental entity or sponsor as defined in section 287, F.S. (project proposals must be submitted by a governmental entity or sponsor to be considered for funding)?
3. Registered to do business with the state of Florida? My Florida Marketplace
4. Vendor/recipient FEID (nine-digit Federal Employer Identification Number):

Contact Information

Project Manager

1. Project Manager Name:
2. Position Title:
3. Address:
4. Telephone:
5. Email:

Signatory Authority

1. Primary Contact Name:
2. Position Title:
3. Address:
4. Telephone:
5. Email:

Project Details

1. Project name:
2. Project category (prevention, clean-up, prediction/modeling, water quality monitoring only or other):
3. Project sub-category(ies) (chemical, biological, mechanical and/or not applicable):
4. Is this a new project that was not previously funded with state or federal funds through DEP or a new phase of an existing or ongoing project previously funding with innovative technologies funding?
5. Project background:

Project Location

1. Describe the geographic location of the project. If the project is covering a large area, please describe the geographic extent.

2. Project coordinates:
3. Size of project impact (area needed to build project):
4. Size of area being treated:
5. Is the project expected to be located in, or primarily benefit, a financially disadvantaged community? If yes, what is the name of the community?

Project Funding and Readiness to Proceed

1. Project funding request amount:
2. Total cost:
3. Does the total cost above equal the total cost of the entire project?
4. Do you have all the required equipment and supplies for this project?
5. Is your project dependent on a subcontractor?
6. Has a contract been established? If yes, what is the name of the vendor?
7. Describe how this project is cost effective for preventing, treating or cleaning up harmful algal blooms or eutrophication that leads to algal blooms. For all projects, describe how the cost effectiveness of the project will be measured, including the methods used (e.g. monitoring, cost comparison to current processes, etc.).
8. What is the status of the project design, if applicable?
9. Which of the following permit types are required?
    a. Federal (e.g., 401-Water Quality Certification, 404-Discharge of Dredge and Fill, 408-Use or Alteration of Civil Works).
    b. State (e.g., generic permits for construction including dewatering and management of stormwater, wastewater treatment-NPDES).
    c. Local (e.g., water management district, right-of-way, water use, county well installation).
    d. Unknown.
10. Has a proof of concept scale study been completed?
11. What is the status of the permit for this project?
12. When is work on this project expected to begin?
13. Does the proposal organization have an operations and maintenance plan and expected funding identified (including in-kind contributions) that will be needed to operate and maintain this proposed project? If yes, describe.

Waterbody Characteristics

Use the Basin 411 Map and Alternative Restoration Plan Map to help complete the information below.

1. Provide the name of the waterbody(s) that this project addresses.
2. Provide the WBID number(s) for the waterbody segment(s) that this project addresses. If entering more than one WBID number, use a semicolon to separate them. Waterbodies are typically divided into segments which are identified by waterbody identification (WBID) numbers. Water quality impairments are associated with the WBIDs, not the entire waterbody.
3. List the parameter(s) for which the waterbody is impaired, if applicable.
4. Does the project treat water currently being discharged directly into an impaired WBID(s)? If yes, describe how the project contributes to reductions of the parameters impairing the WBID(s).
5. Does this project fall within the geographical boundaries of any of the following?
    a. Adopted BMAP.
    b. Developing Reasonable Assurance Plan.
    c. Approved TMDL Alternative Plan/Alternative Restoration Plan.
6. If any of the above plans are selected:
    a. List the name(s) of the water quality restoration plans, and briefly describe the nonpoint source issues or pollutant reductions specified in the Water Quality Restoration Plan(s) that the project is addressing. Include/reference plan page numbers and a hyperlink to the document, where applicable.
    b. If applicable, list the TMDL report name and identify any pollutant reduction parameters specified in the TMDL.
    c. Is this project listed in the Statewide Annual Report? If so, what is the project name and ID?
    d. Is this project identified in a restoration plan? If yes, provide the project details.
7. Is the project is located within a Springshed Area, Outstanding Florida Spring Springshed Area or Priority Focus Area for an Outstanding Florida Spring? If yes,
    a. Does this project address water quality or water quantity?
    b. Describe the benefits to the spring.
    c. Is the project listed in a recovery/prevention strategy or identified in a Regional Water Supply Plan as benefitting an MFL?
        i. If yes, what is the strategy name and project title?

Land Ownership Status

1. What is the land ownership status?
2. Is there an agreement in place?
3. Who is the title held by?

Detailed Description

Description of the proposed grant and (where applicable) local funds commitment activities. Provide sufficient detail so that the project evaluators will know exactly what is being constructed/implemented and how it will operate.

1. Provide a detailed description of all project activities for which grant funding is requested.

2. Summarize your project description in 500 words or less.
3. Describe how the project is expected to address the issue of harmful algal blooms and how the results will be used to improve the Florida's ability to prevent, mitigate or clean up harmful algal blooms.
4. Explain how the activities in the grant funded project proposal will achieve the goals of the grant solicitation.
5. Describe why this technology is expected to work for the problem being addressed in the project. If the technology has not been used in field-scale operations, please include any publications, reports, preliminary pilot scale data/results, etc.
6. Describe how the success of the project will be evaluated, such as water quality monitoring, surveys, etc. Provide enough detail to indicate how project will be monitored and how the information will be used to improve effectiveness. Define and describe project success criteria and the scientifically robust method to success will be demonstrated.
7. Provide the estimated funding amounts and timeline for each grant step in the proposed project.
8. Does the project use innovative technologies or best management practices (BMPs)? For example, stormwater projects that include an extensive treatment train such as a combination of retention ponds, exfiltration trenches and swales; or enhancements such as denitrification walls, alum and other polymer treatments, electrostatic panels and parameter specific filters, etc., will be considered more innovative than projects that install a single conventional BMP.
9. For prevention or clean-up technologies, please provide estimates of the technology performance and safety (if the technology involves potentially toxic substances or byproducts), information to support these estimates, and examples of where the innovative technologies have been successfully used.
10. Is this an agricultural BMP project proposal? If yes,
    a. Is this project supported by both state and local grower associations?
    b. Does this project complement an existing BMP project or U.S. Department of Agriculture (USDA) program or other federal financial support?

Additional Documentation

1. Download and complete the 2022 Funding Breakout and the 2022 Certification Forms.
2. Use the naming convention below to save the completed funding breakout and certification:
    a. EntityName_ProjectName_FundingBreakout
    b. EntityName_ProjectName_Certification
3. Once complete, go to our FTP Site and login.

    Password: inntech

4. Once logged in, select Add Files to upload the supporting documents. Before uploading the files, please be sure you have used the naming convention above.

If you have any questions, email InnTech_HAB@FloridaDEP.gov.