

## **CALL FOR PROJECT PROPOSALS FOR USE OF WATER PROTECTION FUNDS**

The Department is seeking project proposals for use of Water Protection Funds to be distributed as grants to governmental entities for the following programs:

**Targeted Water Quality Improvements**

**Rivers and Springs Coast Protection and Restoration**

**Coral Reef Protection and Restoration**

**Innovative Technologies to address Harmful Algal Blooms**

**Nonpoint Source Pollution Reduction**

Please submit your project proposal using this tool. The Department will review the project proposals until August 28, 2020 for viable grant projects. The Department may post additional project proposal timeframes for one or more grant programs on the Grant Project Proposal page.

You may be asked for additional information if your proposal has potential as a grant project. Resulting grant projects will be posted on the Grant Project Proposal page, under Grants Awarded.

Please note: Eligible Project Proposals must be submitted by a governmental or non-state entity. Funding cannot be provided by the department directly to a vendor or private, for-profit entity.

**ANY INFORMATION SUBMITTED TO THE DEPARTMENT 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.**

**Entity/Sponsor Name**

For innovative technology projects, list both the governmental entity as well as any technology/technology providers supporting the proposal.

City of North Port

### **PROJECT DETAILS**

**Project Title**

Inflow/Infiltration Improvement Project

**Short Project Description**

North Port has neighborhoods with vitrified clay pipe gravity sewer systems. Clay pipe is very susceptible to breaking. If not repaired, this causes groundwater infiltration which overwhelms the system causing sanitary sewer overflows at manholes, lift stations and homes, creating negative environmental impacts. Higher flows to the wastewater plant and longer lift station run times during rain events are indicative of inflow and infiltration. The City has a high groundwater table which adds to infiltration. Groundwater seeps into the sewer system adding flow. The additional flow hydraulically taxes the system, potentially resulting in sanitary sewer overflows. 58,124 feet of the system has been inspected and areas identified

the where lining will reduce infiltration. To repair the system and minimize negative impacts, the City is proposing to line approximately 38,050 feet of gravity sewer collection system and 124 manholes in neighborhoods with identified problems.

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**Project Benefits**

**Please provide a short description of what the project will accomplish and how it will benefit the environment.**

The project will reduce infiltration, reduce potential sewer overflows, protect water supplies and provide efficiencies for the treatment plant. Reduced flows will keep the plants biological system stabilized and reduce power and chemical usage. The project is adjacent to the Big Slough waterbody impaired by fecal coliform (FDEP IWR). Infiltration reduction will reduce overflows that might reach surface water bodies leading to additional nutrient loads.

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**CONTACT INFORMATION**

**Name**

Valerie Malingowski

**Street Address**

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**City**

North Port

**State**

Florida

**Zip**

34286

**Phone**

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**PROJECT FUNDING**

**Project Type**

**Please indicate if this is a new project or part of an existing one.**

New Project

**Anticipated Grant Funds Needed**

\$ 300,000.00

**Local Funds and/or Match Commitment?**

\$ 300,000.00

**Total Project Cost**

\$ 600,000.00

**Multi-Year Funding Breakdown**

**If your request is for multiple years of funding, please break down the funding by year.**

Not applicable.

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**Cost Effectiveness**

**Please describe how this project accomplishes its benefits in a way that achieves benefits in an affordable, efficient, and effective manner.**

Lining the sewer system has been identified as the most cost-effective method of renewing the pipe. Lining is performed from the inside out using the existing piping material as a form for new liner. This method costs a fraction of the traditional replacement cost that would include digging up the pipe, replacing and restoring the road. Rehabilitation and lining of manholes are similar in nature by renewing in lieu of replacement. Lining will add at least 30 years to the life of the system.

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**PROPOSED PROJECT READINESS TO PROCEED**

**Proposed Construction Start Date**

01/30/2021

**Estimated End Date**

09/30/2021

**Is this project already permitted?**

No

**Is this project already designed?**

Yes

**Please list the plans/commitment to operate and maintain project.**

Project permitting is not needed for this project. The City employs staff who regularly inspects and maintains the sewer system. The City owns closed-circuit television equipment which is used for regular inspections. Additionally, the City is in the process of establishing continuing contracts with vendors for multiple years to continue to improve the system.

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**ADDITIONAL INFORMATION**

**Will the project provide benefit to, or be located within, a financially disadvantaged community?**

e.g., Rural Area of Opportunity Reference Map

No

**Will the project address a socially vulnerable community or population according to the US Centers for Disease Control Social Vulnerability Index?**

<https://svi.cdc.gov/>

Yes

**Is there a public outreach component to the project?**

Yes

**Project Location**

**Zoom to the area of the project and place the marker where the project will be located. You may also search by address.**

**Latitude?**

27.048771160531064

**Longitude?**

-82.25111400093053

**Project Category**

**Please rank this project's purpose and impact among the following categories, with 1 being the primary purpose. Please rank as many categories as applicable.**

Rank    Category

1 (Highest)    Wastewater Collection & Treatment

2                Resiliency - Implementation

3                Education