

Thank you for submitting a project for consideration under the Florida DEP Protecting Florida Together website. Our project team is evaluating your submittal. In the event your submittal is identified to move to the next stage of consideration, our staff will be in touch with you. You can always check our [grants page](#) for final project selections. If you have any questions, please contact Resilience@FloridaDEP.gov.

Project Details

Entity/Sponsor Name

Pinellas County Utilities (PCU)

Project Title

Utilities Reliability Improvements

Short Project Description

This project is a targeted and integrated program aimed at maintaining services during category 4 and higher storms. It will achieve this through a combination of facility hardening against flood and wind damage for four critical water and wastewater facilities necessary for continuity of operations during hurricanes, emergencies, and other natural disasters. This will provide benefit to all residents using a coordinated approach to provide the necessary critical infrastructure reliability.

Project Outcomes

The purpose of this project is to ensure compliance with 380.093 (FS) by fulfilling all requirements for a local vulnerability assessment on the assets and to implement improvements to mitigate flood and wind vulnerability at four facilities: Logan Laboratory, South Cross Bayou Water Reclamation Facility (SCBWRF) Operations Support Center, SCBWRF Dewatering Education Center, and the General Maintenance Operations Center.

Has a Vulnerability Assessment been performed for this area previously?

Yes

Please provide details on the Vulnerability Assessment performed and how this project was identified as a result

The County is in the process of updating the critical infrastructure vulnerability assessment and finalizing the vulnerability report. A vulnerability assessment, which would meet requirements in 380.093 (F.S.), will be conducted within each project.

Each of these critical infrastructure pieces has been evaluated independently by an engineer or architect to understand the individual vulnerabilities of each piece of critical infrastructure.

Project Type

Projects to adapt critical assets to the effects of flooding and sea level rise, Projects that mitigate the risks of flooding or sea level rise

Please provide a short description of how the project will facilitate adaptation to flooding and sea level rise and what critical assets that will include:

The projects in this application harden existing critical infrastructure necessary to keep the water distribution and wastewater collection systems operational for Pinellas County Utilities. The project will update and improve the critical infrastructure assets to better adapt to flood and wind impacts due to storms and will increase reliability and reduce risk keeping fire protection systems, drinking water distribution systems, and wastewater collection systems operational in all situations.

Please provide a short description of how the project will address the risks posed by flooding and/or sea level rise.

The projects in this application harden existing critical infrastructure necessary to keep the water distribution and wastewater collection systems operational for Pinellas County Utilities. The project will update and improve the critical

infrastructure assets to better adapt to flood and wind impacts due to storms and will increase reliability and reduce risk keeping fire protection systems, drinking water distribution systems, and wastewater collection systems operational in all situations.

Contact Information

Contact Information: Name

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Funding Requests

Project Type

New Project

Anticipated Grant Funds Needed

\$ 3,213,000.00

Local Funds and/or Match Commitment

\$ 6,237,000.00

Source(s) of match funding?

County CIP

Total Project Cost

\$ 9,450,000.00

Multi-Year Funding Breakdown

Year	Total Design	Total Construction	Grant Design	Grant Construction	Grant Total
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2022	\$2,112,500.00	\$262,500.00	\$718,250.00	\$89,250.00	\$807,500.00
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2023	\$656,250.00	\$6,418,750.00	\$223,125.00	\$2,182,375.00	\$2,405,500.00
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Cost Effectiveness

FEMA Benefit Cost Analysis places a value of \$58 per person per day each for the loss of water or wastewater facilities. With a service area including 752,000 persons impacted for this project, it is anticipated the cost for a single day without water or wastewater services to this impacted area is \$43,616,000. Loss of both would be valued at \$87,232,000.

Proposed Project Readiness to Proceed

Proposed Start Date

06/01/2022

Estimated End Date

12/01/2023

Is this project already permitted?

No

Is this project already designed?

No

Please list the plans and resources in place to make this project a success.

Logan Laboratory is beyond 30% design scheduled construction completion December 2023. South Cross Bayou Water Reclamation Center facilities do not require engineering design and will be purchased when funding is available. The General Maintenance Operations Center requires design, however, this can be accomplished under the County's general engineering services contract and can be commenced as soon as funding becomes available. PCU delivers capital projects over \$100 MM annually.

Additional Information

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

No or Not Applicable

Is there a public outreach component to the project?

No

County/Counties

Pinellas County

Project Location

Project Location Latitude

27.82444598582892

Project Location Longitude

-82.74108409881592

Project Category

- 1 (Primary Purpose) Resiliency Implementation
- 2 (Secondary Purpose) Other
- 3 (Tertiary Purpose) Other

Project Category Other

Critical infrastructure Protection, increase utility reliability

Acknowledgement and Submit

Yes

Yes