

# RESILIENT FLORIDA

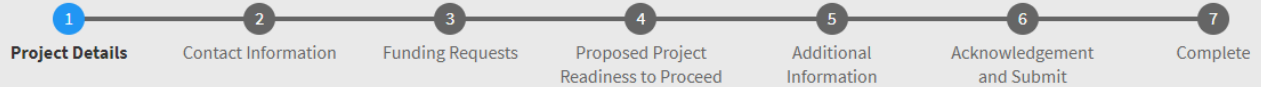
## CALL FOR PROJECT PROPOSAL

The Florida Department of Environmental Protection is seeking project proposals for use of FY 2021-22 Water Protection Funds to be distributed as grants to governmental entities for the Resilient Florida Grant Program. Please submit your project proposal using this portal.

DEP will accept and review proposals through Sept. 1, 2021, for viable grant projects awards. Additional information may be required, as necessary, pursuant to the criteria in s. 380.093, F.S. You will receive notice on how to submit further information, if this next step is deemed necessary by the DEP.

[Frequently Asked Questions](#)

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### Entity/Sponsor Name

Pinellas County

### Project Title

Philippe Park Living Shoreline Oyster Reef Wave Attenuation

### Short Project Description

Please provide a concise summary of the work to be done, including why the project is necessary.

Philippe Park is the site of a National Historic Landmark, a Tocobaga Indian mound. The County has designed a living shoreline project to increase resiliency to storm surge, enhance wildlife habitat, and provide outreach about coastal resiliency to park visitors. Part of the project is a series of oyster reef wave attenuation barriers (WABs) (domes and riprap) to reduce erosion and protect the coast. This project serves as a demo to encourage similar work to protect assets throughout the County.

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### Project Outcomes

Please provide a list of outcomes that will result from this project.

The installation of WABs will reduce erosion and increase resiliency along 1,335 linear feet of shoreline, increase seagrass and mangrove recruitment behind the WABs, provide hard substrate for oyster community expansion, improve water clarity, and protect a park, shoreline, cultural asset. Educational signage will describe the WABs and benefits of living shorelines in adapting to sea level rise and storm surge. The project will encourage use of natural elements to protect other coastal assets.

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### Has a Vulnerability Assessment been performed for this area previously?

Vulnerability Assessments identify or address risks of flooding and sea level rise. It consists of measuring the impact of sea level rise and identifying the people, infrastructure, and land use that may be affected.

Yes  No

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

The Pinellas County SLR Capital Planning Tool was used to assess the vulnerability of the Philippe Park area. The tool uses the NOAA 2017 projections. Location and landuse information was entered into the online tool, and a 30 year planning horizon was selected. The area is in the VE flood zone on Old Tampa Bay, highly susceptible to storms and flooding. The results from the assessment indicated 100 year storm surge impacts are 13 ft. The area was given a "High" vulnerability score and a "Moderate" consequence rating. A living shoreline was one of the adaptive management measures recommended, in addition to promoting wetland accretion by introducing sediment, which will be accomplished with the WAB installation.

**Project Type**

- Comprehensive Plan amendments and necessary analyses for complying with "Peril of Flood" statute (Sec. 163.3178(2)(f) F.S.) for communities with a Coastal Management Element in their comprehensive plan
- Vulnerability assessments, other than that necessary for compliance with Peril of Flood, that identify or address risks of flooding and sea level rise
- Development of adaptation/resilience plans, projects, and policies that allow for preparation for threats from flooding and sea level rise
- 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:**

This project will reduce ongoing erosion and help protect both the Tocobaga Indian Mound and shoreline mangroves that are being stressed at the park. The public location will facilitate greater awareness of coastal resilience issues and adaptive solutions. The Indian Mound is a cultural/historical asset. This project will demonstrate the effectiveness and adaptability of natural shoreline elements to flooding and SLR to promote similar projects to protect coastal assets throughout the County.

3 character(s) remaining

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

Installing WABs will reduce the ongoing erosion from the shoreline. Currently, storm surge and high tides are moving sediment offshore, and sediment is smothering mangroves. After WAB installation, sediment will accrete, and seagrasses, marsh grasses, and mangroves will recruit. The shoreline will be less vulnerable to negative effects of flooding and sea level rise. The oyster community will naturally adapt and increase in height over time, lessening the wave energy impacts at the shoreline.

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**Contact Information: Name**

Stacey Day

**Street Address**

22211 US Hwy 19 N

**City**

Clearwater

**State**

Florida

**Zip**

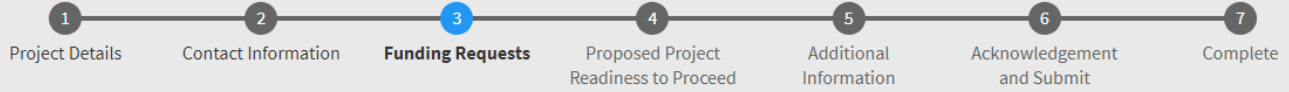
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**Phone**

(727) 464-4703

**Email**

sday@pinellascounty.org



**Project Type**

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

- New Project <sup>?</sup>    New Phase <sup>?</sup>

**Anticipated Grant Funds Needed**

\$ 130,000.00

**Local Funds and/or Match Commitment <sup>?</sup>**

\$ 130,000.00

**Source(s) of match funding?**

Pinellas County Capital funds and TBER

**Total Project Cost**

\$ 260,000.00

**Multi-Year Funding Breakdown**

If the project is expected to be completed in phases over more than one [1] year, please describe annual grant funds needed for each year and the phase with which those funds would be associated.

Project will be completed in one year.

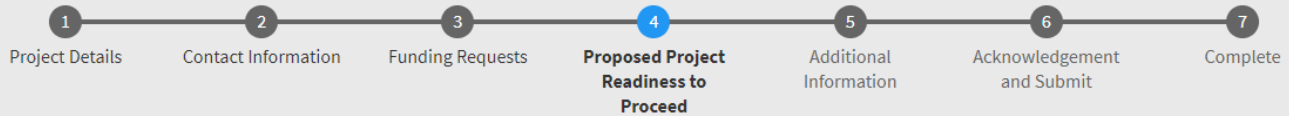
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**Cost Effectiveness**

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

Project will be completed by a company under contract with the County. Costs are locked in at a pre-negotiated, competitive rate. Project will be started sooner since no need to find company to do the work. The vendor supplying the materials already has a Purchase Order for other work with the County.

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**Proposed Start Date**

For construction projects, list proposed construction start date.

02/15/2021

**Estimated End Date**

For construction projects, list proposed construction end date.

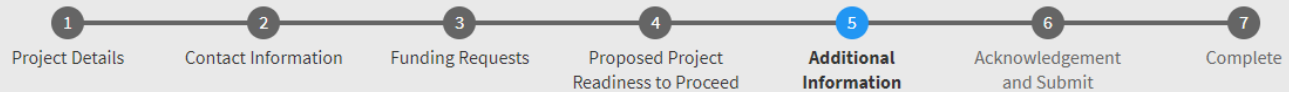
06/11/2021

**Is this project already permitted?**

- Yes    No    N/A

**Is this project already designed?**

- Yes    No    N/A



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

This may impact eligibility. Please consider carefully and check all that apply. For additional information please see section 288.0656, F.S., section 218.67(1), F. S., the rural area of opportunity map, and the fiscally constrained county map

- Yes, a rural area of opportunity pursuant to 288.0656, F.S.
- Yes, a fiscally constrained county, pursuant to 218.67(1), F. S.
- Yes, another designation by state
- No or Not Applicable

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

- Yes    No

**County/Countries**

Enter the County or Counties in which the project is located. To select more than one county, press and hold the control key as you make your selections.

✕ Pinellas County

### 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.



### Project Category

Please select this project's purpose and impact among the following categories, with 1 being the primary purpose. You may select up to 3 categories as applicable.

Rank	Category
1 (Primary Purpose)	Resiliency Implementation
2 (Secondary Purpose)	Natural and Nature-Based Features for Erosion/Flood Control (NNBF)
3 (Tertiary Purpose)	Conservation