

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2024 | 2025 | 2026 | 2027 | 2028 |
|--------------------------|-------|-------|-------|-------|-------|
| Capital Expenditures | _____ | _____ | _____ | _____ | _____ |
| Operating Costs | _____ | _____ | _____ | _____ | _____ |
| External Revenues | _____ | _____ | _____ | _____ | _____ |
| Program Income (County) | _____ | _____ | _____ | _____ | _____ |
| In-Kind Match (County) | _____ | _____ | _____ | _____ | _____ |
| NET FISCAL IMPACT | _____ | _____ | _____ | _____ | _____ |

ADDITIONAL FTE POSITIONS (Cumulative) 0 0 0 0 0

Is Item Included in Current Budget? Yes _____ No X

Does this item include the use of federal funds? Yes _____ No X

Budget Account No.:

Fund 0001 Department 261 Unit 2101 Object 3401 Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

*There is no fiscal impact associated with this item. When the final award letter is received from the Resilient Florida program, an agenda item will be prepared in which the budget will be adjusted to reflect the actual award.

C. Department Fiscal Review: _____ *[Signature]* 9/19/23
[Signature]

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:

[Signature] 9/21/23
 OFMB 9A 9/20 MD 9/21 MF 9/21
[Signature] 9/27/23
 Contract Development and Control

B. Legal Sufficiency:

[Signature]
 Assistant County Attorney

C. Other Department Review:

[Signature]
 Department Director

Background and Justification:

On July 6, 2023, the Palm Beach County Purchasing Department executed a contract amendment to the Vulnerability Assessment and Resilience Action Plan Consultant Services Contract (No. F-23-014/MD) to expand the scope of the project. The new scope includes flood modeling, analysis, and accompanying technical reports for five County owned or maintained sites for which the Engineering and Public Works and Parks and Recreation Departments are seeking funding to address flooding and coastal erosion.

On July 11, 2023, the Board authorized the County Administrator or designee to move forward with a consultant to prepare flood modeling and technical assessment reports for five (5) capital construction projects and pursue grant funding from the Resilient Florida Grant Program, with applications due by September 1, 2023. These approved projects included 4 Engineering and Public Works Department projects: Prosperity Farms Road Bridge (District 1); Country Club Acres Subdivision Road (District 5); Englewood Estates/Manor Subdivision (District 3); and Australian Avenue (District 7); and 1 Parks and Recreation Department project: Ocean Inlet Park Resiliency Improvements (District 4).

The Resilient Florida Grant Program funds implementation grants that fund resilience projects that local governments have identified in compliant vulnerability assessments. For the 2023 round of funding through this program, implementation projects must be identified in a vulnerability assessment or other technical report to be eligible for funding. The Office of Resilience has already received funding and is currently in the process of conducting a vulnerability assessment of unincorporated Palm Beach County and the Glades municipalities, with an expected completion date of the final vulnerability assessment of March 2024. These flooding technical reports make these implementation projects eligible ahead of the State-compliant vulnerability assessment.

Attachment 1

RAN-00728

| | | | |
|------------------------------------|--|----------------------------|---|
| State Agency | Florida Department of Environmental Protection | Peril of Flood Listed | ✓ |
| State Program | Resilient Florida | Letters of Support Authors | |
| Disaster Number/Year | N/A | Letters of Support Number | |
| Critical Infrastructure | No | | |
| Project located in a Coastal Zone? | Yes | | |
| SLIP Study Required? | Yes (Upload SLIP Study output) | | |
| Local Project Phase | Pre-construction (Design, Permitting, etc.) | | |
| Source of Match | Local funds | | |
| Funding Mechanism | General Revenue | | |
| Estimated Project Duration | 36 Months | | |
| Total Evaluation Score | | | |

▼ Applicant Information

| | | | |
|------------------------------------|---|-------------------------|-------------------|
| Grant Funding Type | Funding for Resilient Florida – Infrastructure Grants | Status | Submitted |
| Applicant Account | Palm Beach County | Applicant Contact | |
| Applicant Authorized Signee | Megan Houston | Applicant Fiscal Agent | Rebecca Schnirman |
| Regional Resilience Entity Account | | Applicant Grant Manager | Jean Matthews |

▼ Project Information

| | | | |
|---------------------------------------|--|--------------------------------------|---|
| RPG Project Type | | Project Title | Ocean Inlet Park Resiliency and Adaptation |
| Entity Category | County, Municipality, or Authorized Special District Addressing Risks of Flooding or Sea Level Rise Identified in a Vulnerability Assessment | Project Location | |
| Resilient Florida Grant Program Types | Coastal Flood Control (Grey); Natural Systems Restoration | Project Geo Location Narrative | Ocean Inlet Park located at Boynton Beach Inlet |
| List the City(ies)/Town(s)/Village(s) | Palm Beach County | State Lands Lease Agreement No. | |
| State Lands or State Parks Utilized | No | Project Geo Location | 26.544 -80.045 |
| Area Served | Palm Beach | Project Geo Location Metadata | |
| Sponsor City/County | Palm Beach | Percent of Population | |
| Total Population | | Total Grant Match Amount | \$3,540,000 |
| Prior Vulnerability | | Total Grant Funding Amount Requested | \$3,540,000 |
| Prior Vulnerability Share | | Prior Vulnerability Entities | |
| Project Critical Assets | | Funding for Regional Resilience | |

▼ General Information

Project Need The project includes demolition and redevelopment of the existing recreational public use area adjacent to the Boynton Inlet. The scope of work includes the demolition of all above-ground structures, asphalt, concrete, and underground infrastructure. Fill will raise the current elevation by an average of 3'. New underground utilities including drainage will be constructed on the raised sites along with asphalt parking, a restroom, picnic facilities, landscaping, and associated above-ground infrastructure. The project is currently in the conceptual planning phase.

Project Fit This project has been identified in a local vulnerability assessment, as more fully described in this application, that addresses risks of flooding and sea level rise to coastal and inland communities in the state. This is a park adaptation project that includes elevating the facility as well as adapting the existing facilities and utilities. The risk of flooding to the County asset is not a future condition, it is happening today causing loss of use of the popular facility. This project meets the project types because it 1) mitigates the threat of flooding and sea level rise through adaptation of the park by elevation of the site and installation of new facilities and utilities; 2) adapts a critical asset, the park, to mitigate the effects of flooding and sea level rise by elevation; 3) includes stormwater infrastructure; and 4) enhances the asset's use by reducing flooding impacts.

Flood risk in VA Yes

Flood risk in VA explanation

This project reduces the risk of flooding or sea level rise identified in the PSVA by adapting a regional park facility and its utilities. This PSVA models all requirements in Section 380.093(3)(d)2.a-d for the project impact areas including sea level rise, tidal, surge, rainfall, and compound flooding for 2040 and 2070. This is a comprehensive vulnerability assessment per Rule 62-S-8.002(4), F.A.C. that identifies flooding and sea level rise and meets all the required elements in Section 380.093(3)(c) through (d), F.S. The 2023 modeling demonstrates the flood risk this project reduces.

Compound flood risk in VA Yes

Compound flood risk explanation

This project reduces the risk of compound flooding identified in this PSVA by elevating the facilities, road, and parking lot and hardening the utilities to address rainfall and compound flooding. The compound flooding scenarios included (2x) NOAA Intermediate Low & Intermediate High 2040 SLR + adjusted 100 yr & 500 yr storm surge; (2x) NOAA Intermediate Low & Intermediate High 2070 SLR + adjusted 100 yr & 500 yr storm surge; (2x) NOAA Intermediate High 2040 SLR + adjusted rainfall for the 25 yr and 100 yr storm events; (2x) NOAA Intermediate High 2070 SLR + adjusted rainfall for the 25 yr and 100 yr storm events; (4x) Present Day 100 yr and 500 yr storm surge + 25 yr and 100 yr rainfall events; (4x) NOAA Intermediate High 2040 SLR + 100 yr and 500 yr storm surge + 25 yr and 100 yr rainfall events; (4x) NOAA Intermediate High 2070 SLR + 100 yr and 500 yr storm surge + 25 yr and 100 yr rainfall events.

| | | | |
|--|--|---|---|
| Regionally significant asset | Yes | Regionally significant asset explanation | Stabilizing the seawall and surrounding area protects the bridge and A1A, a hurricane evacuation route, which is a regionally significant asset. |
| Percent CA Vulnerable | 80% or more | Percent CA vulnerable explanation | 100% of the critical assets within the project impact area were impacted by sea level adjusted (NIH) storm surge. Flood scenarios, including sea level rise (NIH and NIL), high tide flooding, rainfall, storm surge, and combination flooding, for present-day and 2040 and 2070 were compared to determine their flooding risk. Maps are attached for the project impact areas and flooding scenarios to show risk based on modeling approaches and assumptions. At-risk, critical assets include an evacuation route, marina, navigation inlet, bridge, lift stations, a county park, critical aquatic/marine habitats, and nearby artificial reefs. Of these assets identified within the project impact area, 100% are considered vulnerable to flooding from a present-day 100 yr (1%) storm surge. |
| Existing flood mitigation project | Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation | Existing flood mitigation project expln | The existing facilities and utilities in the park will be adapted, elevated, and hardened. Individual mangrove pods will be installed on the Intracoastal Waterway adjacent to the southwest portion of the park. Each pod will consist of rip rap, sand base, and planted mangroves. The mangrove pods will act as a wave attenuator and provide needed habitat. |
| Flood frequency | Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion | Flood frequency explanation | There were at least 5 named storm events that impacted the area over the last 5 years. These storms caused extensive regional flooding as documented in Appendix B; the provided news articles document at least 1 flooding event greater than 1 foot over the last 5 years. The project area also experiences some degree of ongoing erosion based on the USGS SSURGO database. |
| Current flood severity | Flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class | Flood severity explanation | There were at least 5 named storm events that impacted the area over the last 5 years. These storms caused extensive regional flooding as documented in Appendix B; the provided news articles document at least 1 flooding event greater than 1 foot over the last 5 years. Appendix B for more information. The area has experienced widespread loss of 1-25% of the original topsoil and is directly adjacent to a federally designated critical coastal erosion area. |
| Project design status | Not designed | Project design status explanation | |
| Permit & easement status | Necessary permits and easements have been identified | Permit & easement status explanation | Necessary permits include the Florida Department of Environmental Protection, Army Corps of Engineers, Florida Department of Health (Sewer), South Florida Water Management District, Palm Beach County Planning, Zoning and Building, Palm Beach County Department of Environmental Resources Management, and City of Boynton Beach Fire Rescue. |
| Local cost share available | Yes | Local cost share available explanation | A 50% cost share is provided as evidenced by the attached Resolution. |
| Habitat enhancement or NBS | Yes | Habitat enhancement or NBS explanation | Individual mangrove pods will be installed on the Intracoastal Waterway adjacent to the southwest portion of the park. Each pod will consist of rip rap, sand base, and planted |

mangroves. The mangrove pods will act as a wave attenuator and provide needed habitat.

| | | | |
|-------------------------------------|---|---|--|
| Critical habitat | Yes | Critical habitat explanation | The project impact area includes federally designated as critical habitat for the West Indian Manatee, green sea turtles, and loggerhead sea turtles and includes several mapped critical marine/aquatic habitats. |
| Cost effective | Yes | Cost effective explanation | ERM is currently working with the prime contractor to secure a design consultant subcontractor who will be tasked with the redesign of the park areas. |
| Cost share available | Yes (Cost share has been secured) | Cost share available explanation | See attached Resolution |
| Previous state funding | None | Previous state funding explanation | |
| Exceeds FBC/local floodplain regs | These regulations do not apply to the project | Exceeds FBC/local floodplain regs expln | |
| Innovative tech | No | Innovative tech explanation | |
| Community financially disadvantaged | Yes | Comm financially disadvantaged expln | According to the CDC's social vulnerability index, the following census tracts intersect with the project area and are indexed at greater 50% relative to the greater social vulnerability index: census tract 45, 46.02, 50, and 49.04. Higher percentages equate to more vulnerable populations considering socioeconomic status, household characteristics, racial and ethnic minority status, and housing type and transportation. |
| GI Benefit Spring | No | GI Benefit Spring Explanation | |
| GI Protect Water Sources | No | GI Protect Water Sources Explanation | |
| GI Facilities Waste Treatment | Yes | GI Facilities Waste Treatment Explanation | The project includes redevelopment of the park site adjacent to the Boynton Inlet with parking, utilities and existing facilities. |
| GI Convert Septic To Sewer | No | GI Convert Septic To Sewer Explanation | |
| GI Green Stormwater Infrastructure | No | GI Green Stormwater Infrastrure Expl | |
| GI Applied Other Programs | No | GI Applied Other Programs Explanation | |
| GI Community Population | 1,518,477 | | |

▼ Information

| | | | |
|---------------------------------------|---|---------------------------------|---|
| Agency Contact | | Amount of Funds Awarded | |
| GI Critical Assets Served | | Amount of Funds Requested | |
| GI Critical Assets Served Explanation | | Lands, Easements, Rights of Way | None |
| Permitting | Necessary permits include: Florida Department of Environmental Protection, Army Corps of Engineers, Florida Department of Health (Sewer), South Florida Water Management District, Palm Beach County Planning, Zoning and Building, Palm Beach County Department of Environmental Resources Management and City of Boynton Beach Fire Rescue. | Metric Assigned | Linear feet of road added/elevated/better protected |
| Planning Section Lead | | Metric Value | 1,250.00 |
| Project Follow Up | | Metric Value Units | Linear Feet |

Statewide Flooding and Sea Level Rise

▼ Additional Funding

Additional Function Applicant Entity

Additional Funding Current Grant Number

Additional Funding Current Grant

Additional Funding Request

Additional Match Secured

Additional Funding Request Justification

▼ Project Work Plan

Project Summary

The project includes elevating an important regionally significant asset (Ocean Inlet Park) to the increasing impacts of coastal flooding and sea level rise. The project includes the redevelopment of the park site adjacent to the Boynton Inlet with parking, utilities, and existing facilities. Ocean Inlet Park currently floods excessively during tidal flooding events due to its current elevation and inadequate drainage, and without fill and elevation of the entire site the Park will become unusable to the community.

Project Description

This project includes overall demolition and redevelopment of the existing recreational public use area adjacent to the Boynton Inlet, Ocean Inlet Park. The Park offers swimming, kayaking, fishing, children's recreational equipment, and picnicking facilities as well as parking for the Park and Beach on the other side of A1A. This County park offers an important recreational access point for County residents in a location with limited access to this type of recreational opportunity.

The scope of work for the project includes the demolition of all above-ground structures, asphalt, concrete, and underground infrastructure including utilities. Fill will be imported to raise the current elevation of the site by an average of 3'. New underground utilities including drainage will be constructed on the raised sites along with asphalt parking, a restroom, picnic facilities, landscaping, and associated above-ground infrastructure.

The project is currently in the conceptual planning phase. The County is currently working with the prime contractor to secure a design consultant subcontractor who will be tasked with the redesign of the park areas.

▼ Project Need and Benefit

Project Feasability

Project Vulnerability

Vulnerability Assessment include State

▼ Budget

Budget Narrative

Work Performed by

Indirect Percent

▼ Signature

Authorized Signers Signature

Megan Houston

Certification Agreement

✓

▼ System Information

Created By Natalie Frendberg, 8/16/2023 2:27 PM

ID a195G00003BYr1Y

Last Modified By Natalie Frendberg, 8/31/2023 8:02 PM

Preparer Type Applicant

Owner Natalie Frendberg

Preparer Account Palm Beach County

EGR Application Name RAN-00728

Preparer Contact Natalie Frendberg

Preparer User Natalie Frendberg

Files

PBC VA for RF 2023 083023 - FINAL

Last Modified 8/31/2023 2:55 PM
Created By Natalie Frendberg

PBC OI Project Location and Non-Modeling Maps

Last Modified 8/30/2023 10:18 PM
Created By Natalie Frendberg

PBS PSVA Modeling

Last Modified 8/30/2023 10:17 PM
Created By Natalie Frendberg

PBC Resolution for RF Applications

Last Modified 8/30/2023 10:15 PM
Created By Natalie Frendberg

Ocean Inlet Reef Pods

Last Modified 8/26/2023 6:11 PM
Created By Natalie Frendberg

Ocean Inlet Reef Pods 2

Last Modified 8/26/2023 6:11 PM
Created By Natalie Frendberg

Ocean Inlet Park Photo 2022

Last Modified 8/26/2023 6:11 PM
Created By Natalie Frendberg

Ocean Inlet King Tide Flooding 9.26.2023

Last Modified 8/26/2023 6:11 PM
Created By Natalie Frendberg

Expense Summary with actuals Fund 1164 FY23

Last Modified 8/26/2023 6:11 PM
Created By Natalie Frendberg

EGR Application History

8/31/2023 8:02 PM

User Natalie Frendberg
Action Changed Status from Draft to Submitted.

8/31/2023 2:26 PM

User Natalie Frendberg
Action Changed Innovative tech to No. Changed Community financially disadvantaged to Yes.

8/31/2023 2:26 PM

User Natalie Frendberg
Action Changed Flood frequency to Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion. Changed Permit & easement status to Necessary permits and easements have been identified. Changed Current flood severity to Flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class. Changed Critical habitat to Yes.

8/31/2023 2:24 PM

User Natalie Frendberg
Action Changed Percent CA Vulnerable to 80% or more.

8/31/2023 2:24 PM

User Natalie Frendberg
Action Changed Regionally significant asset to Yes.

8/31/2023 2:23 PM

User Natalie Frendberg
Action Changed Compound flood risk in VA to Yes.

8/31/2023 2:23 PM

User Natalie Frendberg
Action Changed Flood risk in VA to Yes.

8/31/2023 2:22 PM

User **Natalie Frendberg**

Action **Changed Project Geo Location (Longitude) from -80.04404 to -80.045. Changed Project Geo Location (Latitude) from 26.54507 to 26.544.**

8/26/2023 6:16 PM

User **Natalie Frendberg**

Action **Changed Total Grant Funding Amount Requested from \$40,000.00 to \$3,540,000.00.**

8/26/2023 6:15 PM

User **Natalie Frendberg**

Action **Changed Total Grant Funding Amount Requested from \$0.00 to \$40,000.00.**

8/26/2023 6:12 PM

User **Natalie Frendberg**

Action **Changed Total Grant Funding Amount Requested to \$0.00.**

8/26/2023 6:10 PM

User **Natalie Frendberg**

Action **Changed GI Green Stormwater Infrastructure to No. Changed Source of Match to Local funds. Changed SLIP Study Required? to Yes (Upload SLIP Study output). Changed Project located in a Coastal Zone? to Yes. Changed Local Project Phase to Pre-construction (Design, Permitting, etc.). Changed Estimated Project Duration to 36 Months. Changed Critical Infrastructure to No. Changed Exceeds FBC/local floodplain regs to These regulations do not apply to the project. Changed GI Protect Water Sources to No. Changed Previous state funding. Changed GI Facilities Waste Treatment to Yes. Changed GI Convert Septic To Sewer to No. Changed GI Benefit Spring to No. Changed GI Applied Other Programs to No.**

8/26/2023 6:06 PM

User **Natalie Frendberg**

Action **Changed Cost share available to Yes (Cost share has been secured).**

8/26/2023 6:04 PM

User **Natalie Frendberg**

Action **Changed Cost effective to Yes.**

8/26/2023 6:04 PM

User **Natalie Frendberg**

Action **Changed Habitat enhancement or NBS to Yes.**

8/26/2023 6:04 PM

User **Natalie Frendberg**

Action **Changed Sponsor City/County to Palm Beach. Changed Project Geo Location (Longitude) to -80.04404. Changed Project Geo Location (Latitude) to 26.54507. Changed Project design status to Not designed. Changed Existing flood mitigation project to Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation. Changed Area Served. Changed State Lands or State Parks Utilized to No. Changed Local cost share available to Yes.**

8/16/2023 2:27 PM

User **Natalie Frendberg**

Action **Created.**

EGR Application Tasks

RTN-03963

Task Number **3**

Task Description **The construction activity will be commenced and the project constructed according to final design.**

Total Task Amount Requested **\$3,500,000**

RTN-03961

Task Number **1**

Task Description **Palm Beach County will prepare solicitation documents and procure a contractor**

Total Task Amount Requested **\$0**

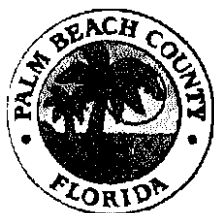
RTN-03962

Task Number **2**

Task Description **Contractor will prepare all preconstruction activity, engineering specifications, conceptual and final drawings**

Total Task Amount Requested **\$40,000**

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Palm Beach County
Board of County
Commissioners

- Gregg K. Weiss, Mayor
- Maria Sachs, Vice Mayor
- Maria G. Marino
- Michael A. Barnett
- Marci Woodward
- Sara Baxter
- Mack Bernard

County Administrator
Verdenia C. Baker

"An Equal Opportunity
Affirmative Action Employer"

Official Electronic Letterhead

DATE: August 28, 2023

TO: Verdenia Baker, County Administrator

THROUGH: Patrick Rutter, Assistant County Administrator *PR*

FROM: Megan S. Houston, Director, Office of Resilience *MSH*

SUBJECT: Designee Authority for the FDEP Resilient Florida Grant Program Implementation Application - Ocean Inlet Park Resiliency Improvements

At the August 22, 2023, Board of County Commissioners meeting, the County Administrator or designee was authorized to submit a grant application for the Ocean Inlet Park Resiliency Improvements project to the Florida Department of Environmental Protection (FDEP) Resilient Florida Grant Program due to time constraints. The County Administrator is assigning the designee as the Director of the Office of Resilience to sign and submit the FDEP Resilient Florida Grant Program implementation grant application.

Approved By:

Verdenia Baker
Verdenia Baker, County Administrator