

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**AGENDA ITEM SUMMARY**

**Meeting Date:** July 11, 2023

Consent

Regular

Workshop

Public Hearing

**Department:**

**Submitted By:** County Administration

**Submitted For:** Office of Resilience

**I. EXECUTIVE BRIEF**

**Motion and Title:** Staff recommends motion to authorize the County Administrator or designee to contract with an approved consultant, in an amount not to exceed \$50,000; to prepare flood modeling and technical assessment reports for five (5) capital construction projects and pursue grant funding from the Resilient Florida Capital Grant Program, which will be open for applications July 1, 2023, to Sept 1, 2023.

**Summary:**

The Office of Resilience is working with County Departments to coordinate a vulnerability assessment of unincorporated Palm Beach County (PBC) and the Glades Region, with an expected completion date of the final vulnerability assessment of March 2024. Staff requires flood modeling, analysis, and accompanying technical assessment reports (Flood Reports) for five (5) sites within the County completed earlier than the full vulnerability assessment so that PBC will be eligible and competitive for grant funding from the Florida Department of Environmental Protection Resilient Florida Grant Program. The Engineering & Public Works Department is applying for (4) grant 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). The Parks and Recreation Department is applying for one (1) grant project: Ocean Inlet Park Resiliency Improvements (District 4). These projects will help PBC mitigate current flooding, future flooding, and/or coastal erosion challenges. Staff chose these projects due to current and future flood risks at the sites and because these projects could demonstrate 1:1 matching funds. Staff seeks approval to pursue these five grant applications and complete the necessary flood modeling technical assessment reports. Districts 1, 3, 4, 5, 7 (RM)

**Background and Policy Issues:**

The Resilient Florida Grant Program funds vulnerability assessments and implementation grants for flooding and sea level rise resilience projects that are identified in compliant vulnerability assessments. The Purchasing Director approved a contract amendment to the Vulnerability Assessment and Resilience Action Plan Consultant Services Contract (No. F-23-014/MD) of less than 10% to expand the scope of the project to include Flood Reports for five County owned or maintained sites. The departments pursuing the grant applications will fund the additional consultant costs for the Flood Reports.

**Attachments:**

1. Resilient Florida Planning and Implementation Project Application Q&A
2. Resilient Florida Implementation Grant Pre-Application Worksheet
3. County Resilient Florida Proposed Projects

**Recommended by:**   
**Department Director**

6-9-23  
**Date**

**Approved by:**   
**Assistant County Administrator**

6/21/23  
**Date**

**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

<b>Fiscal Years</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
Capital Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>NET FISCAL IMPACT</b>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	<u>0</u>	<u>0</u>	<u>    </u>	<u>    </u>	<u>    </u>

Is Item Included in Current Budget?            Yes   X              No     

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. ✓

**C. Department Fiscal Review:** *[Signature]* 06/09/23

**III. REVIEW COMMENTS**

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

*[Signature]* 6/14/23  
 OFMB 9A 6/13 11/13

*[Signature]* 6/15/23  
 Contract Development and Control  
 6/14/23

**B. Legal Sufficiency:**

*[Signature]*  
 Assistant County Attorney

**C. Other Department Review:**

\_\_\_\_\_  
 Department Director

## Resilient Florida Program Planning and Implementation Project Application Q&A

*Helpful documents:*

- [Standardized Vulnerability Assessment: Scope of Work Guidance.](#)
- [Florida Adaptation Planning Guidebook.](#)

*The following is a representation of questions and answers provided in discussions, webinars or via email that may assist future applicants to the Resilient Florida Program. Questions or answers may have been modified for accuracy and/or clarity.*

### Implementation Project Q&As

*Are there defined amounts of funds that will be allocated for each project type? Are stormwater and drainage projects more likely to be funded?*

There are no criteria in statute that direct the department to distribute funds based on resilience project type. Projects are reviewed for eligibility and then ranked in accordance with the criteria contained in statute. The department will submit a ranked list of all eligible projects in the Statewide Flooding and Sea Level Rise Resilience Plan to the Governor, the President of the Senate and the Speaker of the House of Representatives by December 1 of each year.

*For eligible special districts/entities given eligibility through the signing of HB 7053, has the application process through the portal/application materials been updated to accommodate these districts? Do these entities need to provide additional materials during the application process to verify their eligibility?*

The application portal will accept applications from those entities. Documentation that supports the qualification and determination of the special district or entity can be uploaded in the application portal. The department is developing a guidance document to assist entities in determining eligibility and will make that available when complete.

*Is utility undergrounding an eligible use for Resilient Florida Program funds?*

Utility lines are typically more at risk of wind damage rather than from the impacts of flooding or sea level rise. A project must demonstrate that a critical asset is at risk of flooding or sea level rise and that the project mitigates that risk to be eligible for Resilient Florida grant funding.

*Will the scoring system in the draft rule be used to score implementation projects this year (2022)?*

Until the rule is fully adopted, the statutory language will be used to evaluate and rank projects.

*What are the match requirements for the Supplemental Resilient Florida grants (federally funded projects)? Should applicants indicate on the application that they would like to be considered for the supplemental/federal grant funds?*

The 2022 General Appropriations Act (GAA) for fiscal year (FY) 2022-23 funding requires that implementation projects funded with both state and federal funds be consistent with the Statewide Flooding and Sea Level Rise Resilience Plan (Resilience Plan) requirements in Subsection 380.093(5), F.S. Therefore, for the FY23-24 Statewide Plan, each project must have:

- A completed vulnerability assessment (VA) .
- 50% matching funds, unless the applicant is considered a disadvantaged small community in accordance with the statute.

Additionally, the department received the remaining fiscal year (FY) 2021-22 federal funds for implementation projects. The previous GAA oversight guidance for these funds did not specify the need for a vulnerability assessment or local matching funds. However, these funds are limited and the department has not finalized guidance for distribution.

The grant application does not allow the applicant to request the fund type for the project. Where possible, the department encourages applicants to submit all eligible implementation projects and to identify local matching funds for the project. This will benefit the project's scoring and ranking and will increase its chances of being funded.

*Is there a limit to how early a match can be started/are there any rules to what is eligible for a pre-award of match funds?*

There is no defined limit of how early matching funds can be started, but generally should be within one year prior to the fiscal year award date of the grant funds. Matching fund expenditure types and eligibility are subject to review and approval by the department.

*Are wastewater plants impacted by flooding or inflow/infiltration eligible for a grant under this program?*

Wastewater treatment facilities and lift stations are defined as critical assets in Subsection 380.093(2), F.S., and would be considered eligible based upon the demonstrated impacts due to sea level rise or flooding.

*If applying for funds by Sept. 1, 2022, is there a deadline when the VA must be complete? Does the VA need to be formally approved by the local government?*

Prior to Dec. 1, 2023, communities and eligible entities may submit projects for funding without a comprehensive VA completed, provided they demonstrate that the project mitigates the risk of flooding or sea level rise for a critical asset as identified in a locally approved assessment, mitigation strategy, adaptation plan or report that includes an analysis of existing and future sea level rise or flooding impacts. After Dec. 1, 2023, the project must address a risk posed by flooding or sea level rise as identified in a comprehensive vulnerable assessment consistent with statutory requirements listed in Section 380.093(3)(d), F.S. Typically these assessments would be completed by the local government or through contracting with a third party, so additional approvals are not necessary.

*Are there rules or guidance regarding eligible match sources for implementation projects?*

Eligible sources for match funding may be local, state or federal, but all matching funds are subject to review to ensure that the department's funding source and the match funding source do not have prohibitive language for their use.

Eligible expenditure categories for matching funds, pursuant to the department's grant agreements standard terms and conditions, include contractual services, salary/wages and fringe benefits, and land acquisition. Additional expenditure types may be eligible depending on the project. The documentation required for expenditures to be used as match and cost reimbursement are the same and are outlined in the standard terms and conditions document.

For additional information or to review any of the department's grant agreement documents, email [Hanna.Tillotson@FloridaDEP.gov](mailto:Hanna.Tillotson@FloridaDEP.gov).

*Is there a list showing the agencies that received awards?*

Previous grant awards can be found on the [Resilient Florida grants webpage](#). There are four different award lists: the 2021-2022 Resilient Florida Program Implementation Grant Awards, 2021-2022 Regional Resilience Entity Projects, 2021-2022 Planning Projects and 2022-2023 Statewide Flooding and Sea Level Rise Resilience Plan.

*Can you clarify the new language in the statute about special districts, especially the ones that are specifically mentioned? Are they the only types of special districts eligible?*

House Bill 7053 (2022) was codified in Chapter 2022-89, Laws of Florida, and allows certain special districts that are responsible for the management and maintenance of inlets and intracoastal waterways or for the operation and maintenance of a potable water facility, a wastewater facility, an airport, or a seaport facility, eligible to apply for and receive Resilient Florida funding for projects that address risks of flooding or sea level rise. To be eligible, a special district must meet the definition of "special district" in Section 189.012, F.S.

Water management districts, drainage districts, erosion control districts, flood control districts and regional water supply authorities are also eligible to submit proposals for projects that mitigate risks of flooding or sea level rise on water supplies or water resources of the state.

*Do projects need to be listed in the Statewide Flooding and Sea Level Rise Plan to be considered for funding?*

In accordance with statutes, eligible projects for the Statewide Flooding and Sea Level Rise Plan must be identified as a vulnerable critical asset or area in a VA or adaptation plan. However, for fiscal year 2022-23, it is anticipated that the program will receive additional federal American Rescue Plan Act (ARPA) funds that do not require that an asset be identified in a VA to be eligible. However, these funds are non-recurring and are not anticipated beyond FY 22/23. Although a VA should list the vulnerable critical assets, the program recognizes that assessments do not have fully developed strategies or projects for funding. It is encouraged through the adaptation planning process to create an adaptation plan to prioritize focus areas, develop adaptation strategies and recommend projects for funding.

*How can projects be prioritized at a local level? How can a project rank higher for funding consideration?*

The state recognizes that some local decisions must be made as to priority and cannot provide a prescriptive means for prioritization of projects by the local government. In our proposed rule language, if two or more projects score the same amount of points in the scoring criteria, the projects that are most ready to proceed will be prioritized by the state. The Florida Adaptation Planning Guidebook provides a framework for determining adaptation strategies and in Section 4.1.1 some recommendations on prioritization.

## **Planning Grants**

*Do planning grants require an applicant match?*

The planning grants do not require a match; they are fully funded through the Resilient Florida Program. If entities have local costs to support the project, then that will leverage Program funds and allow additional projects to be awarded.

*How will planning project proposals be ranked and scored?*

There are no scoring criteria in statute to prioritize Planning or Regional Resiliency Entity grants. Until July 2025, the program aims to support as many Florida communities as possible in completing statutorily compliant vulnerability assessments and updates to existing assessments. Applications will be reviewed for eligibility and cost effectiveness to ensure that state planning funds are available for as many eligible projects as possible.

*Does the program prioritize project types?*

The program is prioritizing the development of comprehensive vulnerability assessments for all of Florida's 67 counties and 410 municipalities

*Is there a spending limit for hiring a consultant to perform the vulnerability assessment?*

Proposals should demonstrate what costs are necessary to meet the VA requirements in statute. Costs may need to be justified on a case-by-case basis. The standard scope of work contains general costs estimates for common tasks

*Where is the VA Scope of Work guidance document located on the website?*

The comprehensive VA scope of work guidance document can be found on the department's [Resilience Resources](#) page.

*Is the standard scope of work more attuned to the coastal communities, or does it cover both coastal and inland standards?*

The scope of work will be largely the same for coastal and inland communities except for what the prominent future threats may be (i.e., rainfall, riverine, compound flooding and, if appropriate, sea level rise). The program is developing technical guidance that will assist all communities in assessing future conditions, especially inputs into the models that would be necessary as part of the standard scope of work. It will also contain sea level rise estimation methodology for coastal communities. This guidance will be available prior to award announcements.

*If awarded planning funds, should entities use the VA guidance to direct the grant work plan? Or will that information be set as the Resilient Florida grant managers provide documentation for the work plan and scope?*

Work plans are recommended to align with the department's comprehensive VA scope of work guidance to ensure consistency with statutes. Additional tasks relative to completing the comprehensive VA may be considered. If awarded, the department grant managers will work with the grantee to modify the standard scope of work tasks and deliverables as they best fit the project.

*Is the \$20 million in preconstruction ONLY for small communities?*

For the FY 23-24 Statewide Plan, an additional \$20 million will be available for the Resilient Florida planning grants and preconstruction activities for small, and small financially disadvantaged communities. Preconstruction activities are defined in CS/HB 7053 (2022) as "activities associated with a project that occur before construction begins, including, but not limited to, design of the project, permitting of the project, surveys and data collection, site development, solicitation, public hearings, local code or comprehensive plan amendments, establishing local funding sources and easement acquisition. Preconstruction activities from non-financially disadvantaged communities will be considered if included as part of the overall project scope and cost."

*Our municipality received an email from DEP titled "Apply for a Resilient Florida Grant." The email states, "a statewide inventory of VAs indicated that your community has not prepared a VA or currently has one that is not in compliance with current statutory requirements." To clarify, DEP is requesting that entities submit an application to complete a VA?*

The department's priority is to ensure that all Florida cities and counties conduct a VA compliant with Subsection 380.093(3), F.S. If your community has not indicated that you have a VA or has completed an assessment prior to the statutory enactment, the department assumes that your community does not have a statutorily compliant VA. Those communities who have been awarded Resilient Florida planning grants to either update an assessment or perform a full assessment are considered to be working toward statutory compliance.

If you have a VA that you believe meets the requirements in Subsection 380.093(3), F.S., you can submit it to the department with the compliance checklist in Appendix E of the Scope of Work Guidance document.

*For VAs, is the Peril of Flood compliance only a requirement for coastal communities?*

Yes, only local governments that are subject to the requirements of Paragraph 163.3178(2)(f), F.S., are required to prepare and adopt a peril of flood comprehensive plan amendment. The department, in coordination with the Department of Economic Opportunity, can help determine if a peril of flood amendment is required by your community.

*Would a physical vulnerability assessment (VA) of seawalls and stormwater inlets/outlets (involving field data collection) be included within the eligible project types?*

This would technically be considered an eligible project type as an "assessment that encompasses a smaller geographic area or a portion of critical assets," which is subject to approval by the department;

programmatically, we would like every community to have a baseline VA that meets our statutory requirements. That means including inventory of the critical assets and assessing their vulnerability for the entire jurisdiction.

*Is a standard scope of work for adaptation plans being developed?*

The department is currently working on a scope guidance document for adaptation plans based on the [Florida Adaptation Planning Guidebook](#), available on our website. Please refer to Chapter 3 in the Guidebook until the scope guidance document is complete.

*Is developing an adaptation plan based on an existing VA eligible for this funding? How would it fit into the scoring criteria?*

The current VA must meet standards according to F.S. 380.093(3)(d). If your current VA does not meet the standards, you may submit a project proposal that includes updating the VA in addition to developing the adaptation plan

*In developing the grant work plan for planning grants, several of the deliverables are more expansive than those estimated in the original task budget. Can we omit the deliverables that go beyond what was originally budgeted? How strictly do we need to remain to the deliverables in the bank of tasks?*

The bank of tasks and deliverables provided for work plans are suggested standard language to ensure that projects with similar tasks are consistently completed and documented. The bank of tasks is meant to provide options of tasks for applicants to pick and choose from based on their scope of work, and the language can be modified to best fit the project. Unnecessary tasks may be omitted if the applicant chooses. However, in performing VAs, applicants should make sure to include tasks that address all the statutory requirements.

*Should counties and their municipalities jointly submit a planning application for a vulnerability assessment/adaptation plan or should they be separate applications?*

The program encourages collaborating within your regional groups and or city/county work groups to not only maximize project funding but to ensure some scale of consistency in your area.

*Can social and economic impact analyses be included in a vulnerability assessment?*

Subject to available funding, the department may consider funding social and economic impact analyses. To be considered, they should be presented as line-item expenses in the project proposal. Social and economic impact analyses are not in the requirements of F.S. 380.093(3)(d).

*What is the total amount of funding for planning grants this Fiscal year (22-23)? Is there a max an individual community can receive?*

The program anticipates having \$20 million available for planning grants in the 2022-23 Fiscal year. There is not a maximum award amount at this time. Priority is given to communities that do not have a VA. Expenses beyond of the minimum requirements of 380.093(3)(d) are not guaranteed funding.

*If we apply this round, when would award likely occur?*

The program's goal is to select projects and execute grant agreements in advance of July 1, 2022, when the grant funding comes available. Grant execution dates will vary from project to project. Regional

resilience entity grants need to be completed and funds expended within a single fiscal year (July 2022 – June 2023). Planning grants have a three-year timeframe for project completion.

## General Questions

*Are consultants excluded from submitting on behalf of or working on projects they assisted in grant applications with?*

We are unaware of any state limitations that would exclude a consultant preparing the application from bidding, competitively or otherwise, on the proposal. However, we defer to local procurement procedure, rules and requirements to ensure that a conflict-of-interest situation does not arise. Additionally, some funds are federally appropriated, and any federal procedures, rules or requirements will apply unless otherwise exempted.

*Can a federal funding source be used as match funds for Resilient Florida Program grants?*

Potential matching funds should be identified in the grant proposal. The program will determine eligibility on a case-by-case basis. While not required for planning grants, matching funds are beneficial to leverage program funds, provide additional support and achieve additional initiatives.

*Does the program account for regional challenges facing communities when allocating funding?*

Yes, the program understands there are differences across the state that create different challenges for assessing vulnerability such as the number of assets, the presence or absence of large water bodies and/or tidally influenced waters.

*Will the regional resilience entity grants receive a grant award by July 1?*

The program will execute grant agreements as quickly as possible. Comprehensive VAs will be prioritized for funding.

*What types of projects will be prioritized for funding of the regional resilience entity grants?*

Projects that assist counties and municipalities to complete a comprehensive VA or to update an existing VA to compliance with Section 380.093, F.S. will be prioritized for grant award.

### Implementation Grant Pre-Application Worksheet

Items with a red asterisk are required and italicized text denotes informational text seen by scrolling over an "i" icon in the application portal.

#### Applicant Information

- Applicant Account:
- Applicant Grant Manager:
- Applicant Authorized Signee:
- Applicant Fiscal Agent:

#### Project Information

Choose the Entity Category (*Refer to 380.093(5), F.S., for more information*):

Choose the project type you are submitting (*Resilient Florida Program Project Type*). Select all that apply by holding "ctrl" button down:

- |                                       |
|---------------------------------------|
| Coastal flood control                 |
| <b>Cultural or community resource</b> |
| Domestic wastewater infrastructure    |
| Drinking water supply                 |
| Emergency facilities                  |
| Land acquisition and conservation     |
| Living shoreline                      |
| Natural system restoration            |
| Stormwater infrastructure             |
| Transportation and evacuation         |
| Utilities infrastructure              |
| Preconstruction activities            |

\*Project Title (*This should be a brief synopsis of the project plan. Limited to 20 words.*):

List the City(ies)/Town(s)/Village(s) (*List all city(ies)/town(s)/village(s) where work is to be performed*):

**Project Location**

o Latitude:  o Longitude:

Project Location narrative (*Neighborhood, part of town, intersection, etc*):

Will any of the work to be performed or fall on state lands?

Area Served (If applicable, area served only required for projects that mitigate risks on a regional scale):

Sponsor City/County (If applicable. If the applicant is the sponsor, leave blank.):

**Background**

Explain the demonstrated need(s) and how the project will address those needs. (Explain the demonstrated need which the project addresses.)

Explain how the proposed project fits into the Project Types chosen.

**Project Scoring Criteria**  
Tier 1 Criteria Information

Does the project reduce risk of flooding or sea level rise identified in a comprehensive vulnerability assessment or the comprehensive statewide flood vulnerability and sea level rise assessment? If yes, please explain. (Until September 1, 2024, applicants without a comprehensive vulnerability assessment shall receive points based on risks posed by flooding or sea level rise identified an assessment, report, evaluation, or other documentation of risk that addresses flooding or sea level rise.)

Yes                       No

Does the project reduce risk of compound flooding identified in a vulnerability assessment or the comprehensive statewide flood vulnerability and sea level rise assessment? If yes, please explain. (Until September 1, 2024, applicants without a comprehensive vulnerability assessment shall receive points based on risks posed by flooding or sea level rise identified an assessment, report, evaluation, or other documentation of risk that addresses flooding or sea level rise.)

Yes                       No

Does the project reduce risk to or adapt a regionally significant asset? This can include relocation. If yes, please explain.

Yes                       No

What percent of critical assets in the project impact area considered to be vulnerable? Please describe the method used to determine the percent selected as well as provide a list of critical assets in the project impact area. (*Vulnerable critical assets are those at risk of flooding based on applicable scenarios and standards outlined in paragraph 380.093(3)(d), F.S. Until September 1, 2024, if evaluation of those scenarios and standards is unavailable for the project impact area, best available data can be used to determine the percent.*)

- None
- At least one critical asset but less than 20%
- 20% or more but less than 40%
- 40% or more but less than 60%
- 60% or more but less than 80%
- 80% or more

Does the project contribute to existing flood mitigation projects that reduce upland flood damage cost by incorporating new or enhanced structure or natural system restoration and revegetation? If yes, please explain.

- No
- Yes, by incorporating new or enhanced structure
- Yes, by incorporating natural system restoration and revegetation
- Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation

Tier 2 Criteria Information

What is the current frequency of flooding or erosion in the project impact area? *(If area has been flooded 3 times in 5 years or is experiencing ongoing erosion, supporting documentation must be submitted with the application)*

- No current flooding or erosion
- Has experienced flooding or erosion in the last 3 years
- Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion. If area has been flooded 3 times in 5 years or is experiencing ongoing erosion, please explain and provide documentation.

What is the current severity of flooding or erosion in the project impact area? *(If area has been flooded greater than 1 foot in the current and each of the previous three calendar years, been flooded for 7 consecutive days or erosion is critical for the asset class, supporting documentation must be submitted with the application)*

- No current flooding or erosion
- Flooding greater than 3 inches in last 3 years or has ever experienced unmitigated erosion
- 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. If area has been flooded greater than 1 foot in the current and each of the previous three calendar years, been flooded for 7 consecutive days or erosion is critical for the critical asset class, supporting documentation must be submitted with the application.

What is the status of project design? *(To receive points for a completed design, plans properly certified by a professional in the relevant field must be submitted with the application.)*

- Not designed
- Partially designed or site-specific environmental or geotechnical reports have been completed
- Design is complete. To receive points for a completed design, plans properly certified by a professional in the relevant field must be submitted with the application.

Permitting and easement acquisition status. If applicable, please provide a list of necessary permits/easements and application statuses.

- Necessary permits and easements have been identified
- All permits have been applied for or at least one permit has been approved
- All necessary permit(s) and easement(s) have been authorized/obtained
- No permits or easements are required for the project

Are local funding sources committed as cost share or is the project in a financially disadvantaged small community as defined in 380.093(5)(e), F.S.? If yes, please explain and provide documentation.

- Yes
- No

Does the project include environmental habitat enhancement or nature-based solutions? If yes, please explain.

- Yes
- No

Does the project impact area include area that is identified as state or federal critical habitat for threatened and endangered species? If yes, please explain.

- Yes
- No

Is the project cost-effective? If yes, please explain.

- Yes
- No

Tier 3 Criteria Information

Is 50% local, state, or federal cost share secured for the project? If 50% cost share has been secured, please provide documentation with the application.

- No (unless the project is in a financially disadvantaged small community)
- Cost share has been identified but not appropriated or released
- Cost share has been secured
- The project is in a financially disadvantaged small community and cost share is not required

Has state funding previously been awarded for the project? If so, for what? Please explain and provide information sufficient for the Department to verify previous state funding. (Pre-construction activities are defined in s. 380.093(2)(c), F.S.)

None
Preconstruction activities (defined in s. 380.093(2)(c), F.S.) other than design and permitting
Design
Permitting
Construction (previous phases)

Will this project exceed Florida Building Code flood-resistant requirements and local floodplain management regulations? If yes, please outlines the specific requirements and details relating to how the design exceeds the criteria.

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Tier 4 Criteria Information

Does this project include innovative technologies designed to reduce project costs and provide regional collaboration? If yes, please specify which technologies will be used and explain why they are innovative as well as how they will reduce cost and provide regional collaboration. (For this criterion, “innovative” means an emerging technology or a proven technology used in a unique way to adapt one or more critical assets to the effects of flooding or sea level rise.)

Yes       No

Does the critical asset being adapted or the project impact area contain a financially disadvantaged community? If yes, please explain the metric used to determine financial disadvantage (ex. Local income compared to state average).

Yes       No

**Additional Information**

Will this project benefit a spring? If yes, please explain.

Yes       No

Will this project protect water sources using alternative water supplies? If yes, please explain.

Yes       No

Will this project construct, upgrade or expand facilities to provide waste treatment? If yes, please explain.

Yes       No

Will this project convert septic to sewer? If yes, please explain.

Yes       No

Has this project been submitted to other programs for funding? If yes, please explain.

Yes       No

What is the population of your community? (Enter integer values only.)

**Multiagency Information**

The following information is for data collection purposes only and do not correlate with any of the project evaluation criteria.

Estimated Project Duration:

Permitting (Brief description of expected permit determinations necessary for project completion or relevant permit information once permitted.):

Lands, Easements, Rights of Way (Brief description of acquisitions or permissions necessary for project completion or relevant information once required.):

Critical Infrastructure (Select yes if this project includes critical infrastructure that is confidential or should be redacted from public records searches):

- Yes
- No

Project located in a Coastal Zone?

- Yes
- No

SLIP Study Required?

Source of Match:

Funding Mechanism (Program utilized or local funding mechanism.):

Local Project Phase:

- Planning
- Pre-construction (design, permitting, etc.)
- Construction
- Post-construction Monitoring
- Closed

## Project Work Plan

Project Summary (*Provide a brief synopsis of the project. Limited to 75 words.*):

Insert text here.

Project Description (*This should be a concise summary of the work being done. It may explain the broader issue that the project will address or what the end goal of the work is. It should NOT restate the tasks or deliverables and should not give specifications or similar detailed descriptions. Limited to 300 words.*):

## Uploads

Please uploaded documents necessary to evaluate your application fully. Suggested types of categories are listed below. Please make sure uploaded documents are named appropriately. Avoid using scanner assigned file names. You may also add your community such as 'community\_filename.'

- GIS shapefile of project location. If you need a GIS Shapefile created for you, please contact (850) 245-7600.
- Map of project impact area (map must have a minimum scale of 1" = 200' and include a compass rose and legend)
- Geographic extent of the project area in GIS format
- Draft or signed resolution or letter of support from local governing board
- Vulnerability Assessment Report or other local study or report
- Final design and permitting documents (if applicable)
- Match or additional cost-share documents (if applicable)
- Subcontractor or other local or regional partnership agreements (if applicable)
- Optional: Applicant W-9
- Optional: Applicant Certificate of Insurance

If you are attempting to upload an unsupported file type, please place the file in a ZIP compressed folder before uploading.

## Tasks

Applicants will be asked to include information on specific tasks they expect to complete as part of the proposed projects. At least one task is required to submit application.

Information necessary to complete each task entry includes:

- Task Number
- Task Title. Select task title from titles provided below. If your proposed task title is not available, leave the field as -None-, and enter additional task title in the "Title Other" field.
  - o Pre-design or feasibility study
  - o Data collection or study
  - o Stakeholder coordination and planning
  - o Design and permitting or pre-construction activities
  - o Project management
  - o Bidding and contractor selection (required to be included prior to construction of project includes construction)
  - o Construction
  - o Permit-required monitoring
  - o Public education
  - o Equipment purchase
  - o Land acquisition
  - o Site cleanup
  - o -None-
    - Title Other:

- Work performed by
  - Grantee only
  - Contractor only
  - Grantee and contractor
- Task Description: include a brief description of the work to be completed with the individual task.
- Goal: Provide a brief description of the goal of the individual task.
- Time to completion:
  - 1-6 months
  - 1 year
  - 2 years
  - 3 years
  - Other
- Select deliverables associated with the task. If the expected deliverable is not part of the pick list options provided below (can select all that apply to an individual task) enter into "other deliverable" field.
  - Final pre-design documents, feasibility study, or comparable certificate of completion, signed by a Florida-registered Professional Engineer. If applicable, the Sea Level Impact Projection study report.
  - Final report or study to include the process and methodology and any data gaps.
  - A summary report from each workshop or meeting, including attendee feedback and outcomes and a copy of all materials created at each workshop or meeting.
  - Final design documents signed by a Florida-registered Professional Engineer. If applicable, final permit documents from all appropriate state and federal regulatory agencies.
  - Project management reports signed by the Florida-registered Professional Engineer, to include a summary of project and site inspection(s), meeting minutes and field notes, as applicable.
  - Public notice of advertisement for the bid, complete bid package and written notice of selected contractor(s).
  - Final design and Certificate of Occupancy (if applicable) and Certificate of Completion signed by a Florida-registered Professional Engineer.
  - Copy of completed monitoring data, surveys, and final reports for the permit-required work and documentation of submittal to the appropriate state or federal regulatory agencies.
  - Copy of printed material for distribution, including text and graphics, link to website material developed and dated photograph(s) of installed materials at the project location, if applicable.
  - Purchase order(s) and vendor invoice(s) for delivery, installation and other necessary costs, as applicable.
  - Copies of all appraisals, the closing statement or all closing documents, title exam/insurance, property survey, boundary map and the deed, recorded easement or property interest.
  - Dated color photographs of on-going work and a signed acceptance of the completed work to date, as provided in the Grantee's Certification of Payment Request.

Other Deliverable: Include deliverables for the individual task if not included in the pre-filled deliverable pick list above.

### **Task Budget Category**

This must be completed for each Task created in the previous section. Field include:

- Application Task Number: Select the number that corresponds to the information input in the previous section, "Tasks."
- Expense budget category: Select the appropriate response in the drop down menu, options listed below.
  - Contractual services
  - Salary/fringe
  - Equipment
  - Miscellaneous/other expenses
  - Land acquisition
- Budget amount
- Match amount: Total match for this task. If no match, put "0."

### **Task Personnel Grantee\***

\*Only required if grantee is performing work. Must be included for each Task included in the "Task" section.

- Application Task Number: Select the number that corresponds to the information input in the previous section, "Tasks."
- Position Title
- Maximum Hours (rounded to the quarter hour.)
- Maximum Hours Time Unit
- Maximum Hourly Rate (This value should be based on actual salary dollars, rounded down to the nearest penny.)
- Fringe Percent

### **Submittal - Grantee's Certification Statement**

Before submitting, applicants must certify that:

1. This application is in all respects fair and submitted in good faith without collusion or fraud;
2. If selected through this application process, the recipient will work in good faith and in partnership with the Department of Environmental Protection to manage its subcontractors in a timely and accurate manner;
3. Any funds awarded as a result of this application process will not be used as match fund to apply for or receive other state funds without departmental review and approval;
4. The undersigned has full authority to bind the applicant.

## Resilient Florida Project Descriptions for 2023 Applications Palm Beach County

**Project Title:** Prosperity Farms Road Bridge Replacement over C-17 Canal (Earman River)

**Department:** Engineering & Public Works

**Project Description:** The existing bridge was constructed in 1958, is structurally deficient, and is currently load rated at 31 tons. The existing bridge will be demolished and replaced. The new bridge design will minimize environmental impacts to the mangroves and floodway due to the lengthened spans of the bridge which will reduce the in-water bents from eight to four.

Sea level rise was also taken into account when designing the bridge. It is estimated from the Lake Worth Pier Tidal Station (8722670). The prediction is 3.81 mm per year rise, which equates to 1.25' in 100 years. This will bring the Mean High Tide to an elevation of 1.61' NAVD by 2121. Combined with other design factors, the bridge will be raised a minimum of 1.80 feet.

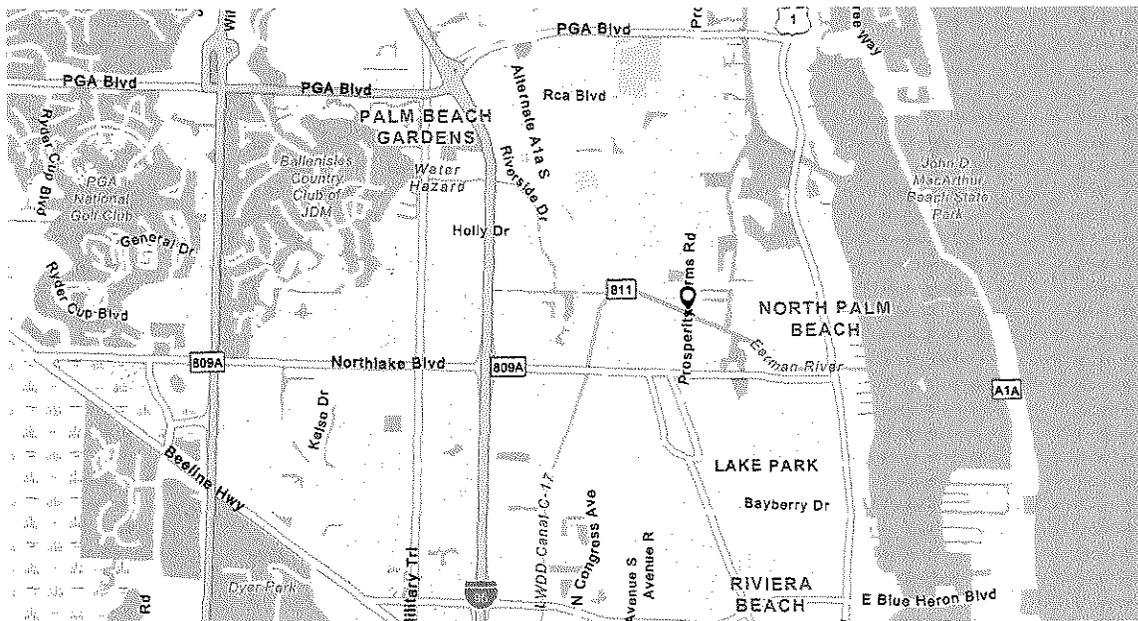
Riprap will be installed along the canal slopes and bottom to aid in erosion control measures. The project also includes the installation of 13 new drainage structures and 204' of drainage pipes, along with 30' of trench drain for water management and treatment. All of these improvements will result in a reduction of impervious area of 0.03 acres.

**Planning Process Status:** Design Plans are 96% complete

**Estimated Grant Request:** \$4,000,000 (Includes construction and 11% CEI/staff costs)

**Match Available:** \$4,600,000 (IST)

**Project Location:** Prosperity Farms road bridge over c-17 canal (Earman River)



**Project Title:** Englewood Estates

**Department:** Engineering & Public Works

**Project Description:** The proposed drainage improvements will increase drainage capacity to mitigate the frequency and severity of existing flooding that will be exacerbated by rising sea level and climate change. The proposed improvements will provide the required water quality treatment and obtain the required permits for drainage improvements associated with the flood reduction. Recommended improvements from the drainage study that was conducted include swale restoration, replacement of outfall pipes, installation of new interconnected pipes, and replacement/upgrade of associated inlets and structures.

The project is located within the Lake Worth Lagoon watershed, and only 2 miles away from Lake Worth Lagoon. Improving the drainage system within the Englewood Estates community can contribute in water quality monitoring in the Lake Worth Lagoon watershed, and will result in a reduction of untreated stormwater runoff from urban landscapes, as well as reducing sediment discharges by reducing and/or limiting untreated sheet flows to the L-11 Canal.

**Planning Process Status:** Palm Beach County has completed a study of the existing conditions and recommended several solutions.

**Estimated Grant Request:** Based on the study performed by Baxter & Woodman, an estimated construction cost of \$2.4 M will be required for the drainage upgrade.

**Match Available:** When this project is approved for design and construction, additional funding will be available in the 5YRP drainage reserve.

**Project Location:** Englewood Estates (or Manor) subdivision – north of 2nd Ave. & east of Congress (all internal roads including Engle and Theresa)



**Project Title:** Country Club Acres

**Department:** Engineering & Public Works

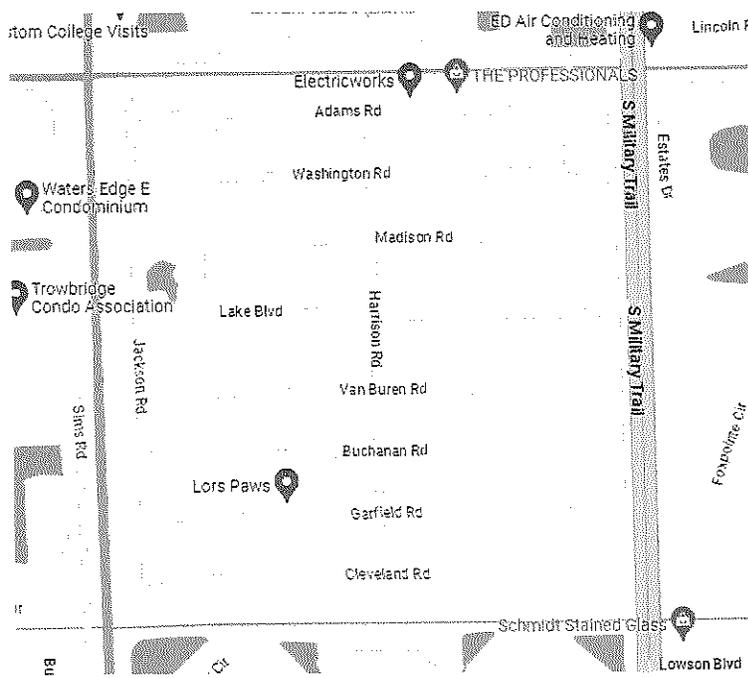
**Project Description:** The drainage conveyances proposed within Country Club Acres will harden the community to the ever increasing variability in rainfall volumes. Many parts of the community currently do not have a positive outfall leading to staging that impacts driveways and homes within the community. The system will be designed to convey water from the 3yr/24 hour storm to one of the existing outfall points along the LWDD canal system.

**Planning Process Status:** Study Complete/ Conceptual Drawings for phase 1 (Jackson and Harrison roads only)

**Estimated Grant Request:** \$8,900,000 (Includes construction and 11% CEI/staff costs)

**Match Available:** \$547,000 (ARPA); when the project is approved, additional funding will be available in the 5YRP drainage reserve.

**Project Location:** west of Military Trail & south of Atlantic Ave. (all internal roads including Jackson and Harrison)



**Project Title:** Australian Avenue Drainage from Banyan Blvd to 45th St.

**Department:** Engineering & Public Works

**Project Description:** The project will install a necessary new drainage system for the Australian Avenue corridor from Banyan Boulevard to 45th Street to increase drainage capacity and to mitigate and alleviate flooding. The new drainage system will eliminate the shallow roadside swales, and will replace them with a new storm sewer system comprised of curb and gutter, inlets, pipes, additional water quantity storage, water quality treatment required by permit, and outfall locations.

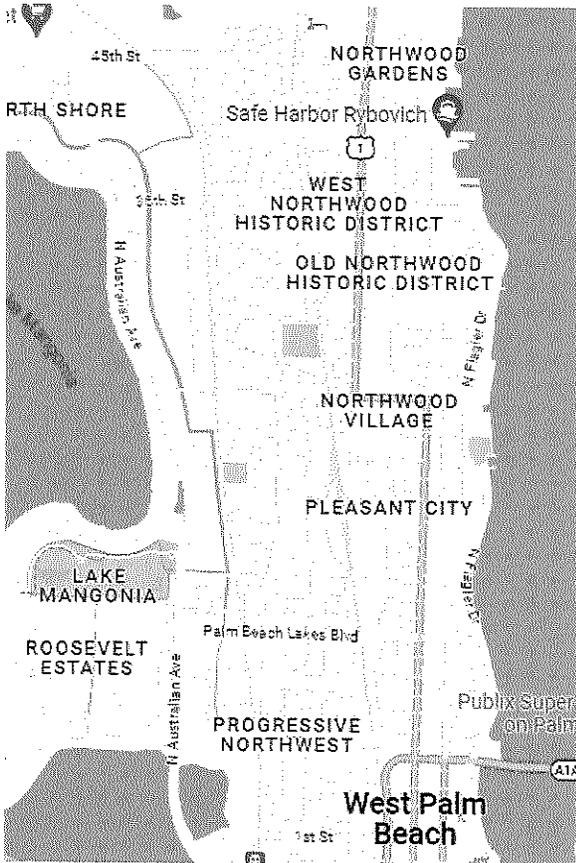
This project previously received \$13 million from the Resilience Florida program. Project plans are currently 65% complete, but due to increasing costs, more funding is necessary to address the funding shortfall.

**Planning Process Status:** 65% complete

**Estimated Grant Request:** \$8,900,000

**Match Available:** \$8,900,000

**Project Location:** Australian Avenue from Banyan Blvd to 45th St.



**Project Title:** Ocean Inlet Park Resiliency Improvements

**Department:** Parks and Recreation

**Project Description:**

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 be imported to raise the current elevation of each site by an average of 2'. 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.

**Planning Process Status:** The project is currently in the conceptual planning phase. 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.

**Estimated Cost:** \$4,000,000

**Match Available:** ERM has \$11M of Ad Valorem funding allocated for the seawall replacement. That includes both parcels north and south of the inlet west of A1A.

**Location:**

