

Application: SRP--410--

Pinellas County Utilities53711SRP--410--Statewide Flooding and Sea Level Rise Resilience PlanSRP

**Page: Eligibility Questions**

**Applicant Name**

Pinellas County Utilities

**Entity Type**

Local Florida Government or Municipality

**Applicant County**

Pinellas

**Page: Grantee's General Info**

**Grant Type**

Statewide Flooding and Sea Level Rise Resilience Plan

**Applicant's Grant Manager's Name**

Daniel Glaser

**Applicant's Grant Manager's Title**

Project Manager

**Applicant's Grant Manager's Phone Number**

(727) 464-5209

**Applicant's Grant Manager's Email Address**

dglaser@co.pinellas.fl.us

**Page: Project Information**

**Entity's Name**

Pinellas County Utilities

**Statewide Flooding and Sea Level Rise Resilience Plan Project Type**

Project identified through a local vulnerability assessment that addresses risks of flooding and sea level rise to coastal and inland communities in the state

**Project Title**

Mobile Home Park Wastewater Collection System Improvements

**Project Location**

Latitudes and Longitudes have been provided for 15 mobile home parks: (27.89212:-82.7778); (27.89163:-82.77545); (27.88902:-82.78923); (27.8884:-82.78916); (27.88724:-82.79249); (27.88704:-82.78159); (27.88043:-82.79006); (27.8784:-82.79306); (27.87432:-82.77988); (27.86679:-82.78224); (27.85177:-82.78471); (27.8477:-82.78938); (27.84584:-82.78561); (27.82574:-82.67447); (27.8257:-82.68882)

## Upload Map

Download File ([https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/c7b1adf5-ea27-4195-bbce-b3157eb72059?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU\\_MHP%20WW%20Collection%20System%20Improvements\\_Map.pdf%22&response-content-type=application%2Fpdf&Signature=NQ3MI7ArtcTTbnpqWoTE0Th0rXg%3D](https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/c7b1adf5-ea27-4195-bbce-b3157eb72059?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU_MHP%20WW%20Collection%20System%20Improvements_Map.pdf%22&response-content-type=application%2Fpdf&Signature=NQ3MI7ArtcTTbnpqWoTE0Th0rXg%3D))

## Project Summary

Pinellas County is requesting funding to construct critical wastewater infrastructure at fifteen mobile home parks (MHPs) in the unincorporated areas of Pinellas County and the City of Largo. The project would cost-effectively reduce inflow and infiltration (I&I) and sanitary sewer overflows (SSOs), and lessen flood impacts to communities and local waterbodies. \$2,085,262 of RESTORE Act funding was awarded to PCU in April 2021 to prioritize and create design plans for the project.

## Project Scope of Work

This project involves the improvement and replacement of sanitary sewer systems for fifteen mobile home parks. The project addresses state-level flooding and sea-level rise issues, as outlined in Florida Section 380.093, which demonstrates an increased frequency and duration of rainfall events and severe weather systems, as well as sea-level rise. These wetter climate conditions are anticipated to exacerbate existing I&I issues and worsen the already poor condition of the existing subterranean sanitary sewer infrastructure. This project will improve this critical wastewater infrastructure to reduce sanitary sewer overflows, which will help restore water quality in the area and contribute to habitat conservation, protecting living coastal and marine resources.

PCU is currently developing a priority matrix incorporating a recently completed flow monitoring study and social, economic, environmental, and asset condition factors to prioritize and implement an affordable and efficient project. Project elements at the MHPs will be sequenced and executed according to an optimized delivery schedule. After funding is secured for construction, PCU will procure a Construction Manager at Risk (CMAR) to achieve timely results.

Project implementation will include the acquisition and improvement of private MHP systems, leveraging PCU's extensive experience in sanitary sewer system development and operations and maintenance. The wastewater system improvements proposed by this project include the construction of new sanitary sewer pipelines and lift stations. Given that the horizontal infrastructure is underground and vulnerable to flooding, all accessways and manholes will be designed to be watertight to reduce inflow and infiltration during flood events. The objective of the project is to address flood and wet weather-related system vulnerabilities; eliminate I&I at the MHPs; reduce SSOs; and restore, protect, and conserve coastal and marine resources.

### A. Explain the demonstrated need(s) and how the project will address those needs.

Without proactive intervention, increased flood vulnerability due to sea-level rise and more severe and frequent storms is likely to worsen I&I in Pinellas County. Throughout Pinellas County I&I creates issues for the wastewater collection system. I&I causes sewer overloading, SSOs, and reduced treatment facilities efficiency. Overflows present a danger to both water quality and human and ecosystem health.

Many MHPs have deteriorating wastewater systems that include leaking pipes and manholes and illegal connections from storm and roof drains. PCU proposes to replace the private collection systems and sewer laterals connected to individual homes, clubhouses, and MHP offices to eliminate I&I and reduce the potential for SSOs.

Pinellas County Utilities took flow data from both the drinking water distribution system and the wastewater treatment facility over an 18-month period. During wet weather events, wastewater flows were much greater than drinking water flows in the MHP areas, clearly indicating an I&I issue. With RESTORE ACT funding, PCU is comprehensively assessing the 15 mobile home parks to locate the sources of and eliminate I&I.

MHPs are home to many fixed and low-income community members. Residents are ill-equipped to cash-fund significant sewer system improvements necessary to achieve desired environmental and human health outcomes. This project addresses an identified need in areas with economically vulnerable populations.

Waters adjacent to the MHPs are not attaining water quality standards. Lake Seminole, Cross Bayou, and parts of Boca Ciega Bay are classified as impaired water bodies. I&I and SSOs contribute to this impairment. Replacing MHP collection systems will result in a healthier and more resilient sanitary sewer collection system in environmentally and economically vulnerable areas.

### B. Explain how the proposed project fits into the Project Type(s) chosen above.

In cooperation with its 24 municipalities, Pinellas County conducted a countywide sea-level rise (SLR) and storm surge vulnerability assessment that projected significant increases in flood risk over time.

The projected increase in flooding will increase environmental and human health risk due to stormwater infiltration to the sanitary sewer system, sewer flows greater than system capacity, and subsequent sanitary sewer overflows. By replacing sanitary sewer collection systems in vulnerable mobile park homes, I&I will be reduced, and this project will mitigate some of the human and environmental health impacts of increased flood risk.

### Explain how the project is feasible and can be completed within a 3-year timeframe

PCU is currently developing a priority matrix to monitor and study the social, economic, and environmental factors of each mobile home park site. This will help inform the design process and ensure an efficient and timely design process. As a condition of the RESTORE Act grant, design will be performed on all fifteen sites concurrently within a prescribed 550 calendar days. PCU's solicitation for professional engineering services was advertised October 15, 2021.

Once design has been completed at any of the facilities, PCU will engage a Construction Manager at Risk (CMAR) to perform construction activities. PCU would like to contract with a CMAR in the summer of 2022. Construction activities will begin as individual site designs are completed, which will allow some MHP projects to be completed before other designs are completed. By employing this method, the work will be completed on or before the three-year timeframe.

**D. Is the project a follow-up or result of a previous state-funded project?**

This project is not the result of a previous state-funded project. However, the project has received RESTORE ACT funding from the Gulf Coast Ecosystem Restoration Council for the project design.

**E. Explain the how the completed project will exceed the flood-resistant construction requirements of the Florida Building Code and applicable flood plain management regulations.**

During the design and construction process, this project will comply with the requirements of County administrative directives, state permits, and Florida Building Codes. According to Pinellas County Administrative Directive 2-12, a sea-level rise impact analysis shall be performed for any project with a total cost greater than \$1 million. This ensures climate change effects are considered and that the County's Capital Improvement Plan is developed and delivered to meet current and future needs. This analysis will be performed using NOAA's 2017 Sea-Level Rise rates and in accordance with the Pinellas County SLR Guidance Manual and Spreadsheet tool. PCU will analyze the project sites that fall within the SLR tool zones.

In addition to being in compliance with Administrative Directive 2-12, permits will also be secured from the DEP and the County building department and will meet all relevant state building codes. Florida building code Section R322 specifically addresses flood-resistant construction.

In accordance with these codes, this project's sanitary sewer systems will be designed to eliminate infiltration of flood waters into systems and discharges from systems in accordance with Chapter 64E-6 of the Florida Administrative Code. All access ways, manholes, and hatches will be constructed with water-tight materials. The replacement of these systems directly mitigates pollution risks identified from rainfall and SLR by minimizing infiltration and sanitary sewer overflows. Areas in the 100-year floodplain are the County's greatest environmental liability.

**F. Explain how the project addresses risks to regionally significant assets.**

I&I directly impacts the treatment and conveyance capacity of downstream infrastructure, particularly the South Cross Bayou Water Reclamation Facility. This facility is the largest wastewater treatment facility in Pinellas County, distributing an average of 33 MGD of reclaimed wastewater to the community while also processing the County's biosolids. I&I strains system capacity, disrupting usual processes and forcing the Water Reclamation Facility to discharge untreated sewage.

The untreated overflow discharges into Lake Seminole, Cross Bayou, and Boca Ciega Bay, causing significant human and environmental health risks and nutrient loading. These water bodies have been classified as impaired. The Trophic State Index (TSI) for Lake Seminole is 72 (poor), with an oversupply of nutrients and degraded water quality. Long Bayou/Cross Bayou's impairment status is associated with fecal coliform.

By eliminating I&I and preventing this discharge, this project will allow for more predictable flows to the South Cross Bayou Water Reclamation facility, restore and conserve habitat, and replenish and protect living coastal and marine resources. This project is aligned with other PCU initiatives and priorities. In recent years, PCU worked on another major clean-up effort in partnership with the Southwest Florida Water Management District to address the effects of sanitary sewer overflows.

**G. Explain how the project reduces risks to areas with an overall higher percentage of vulnerable critical assets.**

The project will update and improve critical wastewater assets to facilitate adaptation to both flooding and sea-level rise. The project will reduce storm-derived inflow and infiltration of older infrastructure systems and the nutrient impacts to impaired water bodies by upgrading and maintaining privately-owned mobile home park wastewater collection systems. Currently, the area's interceptor is at considerable risk with frequent SSOs. The project benefits both economically and environmentally vulnerable populations living in mobile home parks in Pinellas County.

**H. Does this project add to an existing flood mitigation project that will reduce upland damage costs by incorporating new or enhanced structures or restoration and revegetation projects?**

At this time, the project is not envisioned to reduce upland damage costs by incorporation new or enhanced structures or restoration and revegetation projects. However, taking action today to improve wastewater infrastructure and address chronic issues is expected to reduce the future cost of repairs and damage caused by worsening floods.

**I. Does the project enhance state or federal critical habitat areas for threatened or endangered species?**

The wastewater from the mobile home parks included in this project is discharged to, or eventually reaches, key waterbodies in the area including Lake Seminole, Boca Ciega Bay, and Cross Bayou. Lake Seminole is a wildlife sanctuary for racoons, alligators, waterfowl, and turtles. According to the U.S. Fish and Wildlife Service, there are thirteen threatened or endangered species in Pinellas county.

Preserving water quality is a critical aspect of habitat protection in the area. Currently, Lake Seminole, Boca Ciega Bay, and Cross Bayou are considered impaired waters in the Tampa Bay Water Atlas. At Lake Seminole, this impairment is due to excessive nutrients and pH issues. At Boca Ciega Bay and Cross Bayou, the impairment is due to the presence of fecal coliform, among other issues. By reducing I&I, and subsequently reducing surface water discharge to impaired waterbodies, this project will help protect critical habitat and vulnerable areas as flooding in the area intensifies.

**J. If the project will be done in a financially disadvantaged community, explain how the project will benefit that community.**

The MHPs identified in this project are financially disadvantaged communities for Pinellas County. A significant portion of the residents of these manufactured home communities are retirees on fixed incomes, and maintaining their wastewater collection systems can be costly and may impact the financial viability of the community.

This project cost-effectively alleviates the community's financial burden of maintaining this dated infrastructure. The project map attached illustrates the financially-disadvantaged regions of the Pinellas County Utilities service area and highlights the overlap between these regions and the project sites.

**K. Explain how the project addresses risks identified in a vulnerability assessment or other similar analysis of current and future flooding from rainfall and/or sea level rise.**

Pinellas County, in cooperation with its 24 municipalities, conducted a countywide sea level rise (SLR) and storm surge vulnerability assessment. This assessment considered 3 SLR scenarios (NOAA intermediate low, intermediate, and high), 4 time horizons (present day, 2040, 2070 and 2100), and 6 asset categories (transportation, stormwater, water supply, wastewater, natural gas and electricity distribution networks). The results show dramatic increases in flood risk over time, particularly due to the flat topography of Pinellas County and because the County is a coastal peninsula. Pinellas County requires that capital improvement projects costing more than \$1 million undergo a SLR risk and adaptation assessment based on the county's guidance spreadsheet and SLR tool. PCU is in the process of providing this project-level vulnerability assessment to identify flood risks and optimize project performance.

Given that a large portion of the sanitary sewer collection system is located below-grade, it is particularly vulnerable to infiltration under current and projected conditions. This project directly addresses human and environmental health risks from I&I that will be exacerbated by an increased frequency and intensity of wet weather events. By replacing the sanitary sewer collection systems in the area with more weather-resistant, water-tight technologies, the system will be more resilient in the face of future events and trends.

**L. Describe the current flooding and/or erosion conditions in the project area.**

The attached project map illustrates the area's 100-year flood plain.

The project construction will follow County standard specifications and details for erosion control, flood protection, and environmental pollution controls. The construction contractor will obtain an MS4 stormwater pollution prevention permit for construction.

**M. Describe the readiness of the project to proceed.**

The Gulf Coast Ecosystem Restoration Council awarded PCU \$2,085,262 in RESTORE Act grant funding to complete planning and design for the MHP system improvement project. The period of performance for this grant is May 11, 2020 through December 31, 2022. Following the notice to proceed for design, the design schedule will be submitted and the funding for design will be extended.

PCU's solicitation for professional engineering services was advertised October 15, 2021. It is anticipated design will commence in early 2022. After funding is secured for construction, the county will procure a Construction Manager at Risk (CMAR). If funding is obtained in the first quarter of 2022, it is anticipated that a CMAR would be provided a Notice To Proceed from the county by the third quarter of 2022.

Currently, there are no design plans or permits available for review.

**N. How is the project cost effective?**

In order to prioritize implementation of an affordable and efficient project, PCU is developing a priority matrix incorporating a flow monitoring study along with an assessment of asset conditions and social, economic, and environmental factors. By addressing poor system quality now, costs of future system repairs and SSO may be avoided.

PCU has been cost-effectively providing wastewater services to Pinellas County for over 25 years. Acquiring and improving private MHP systems, PCU will leverage extensive experience in system development and capitalize on operations and maintenance economies of scale.

Additionally, PCU intends to deliver the project through a CMAR contract and has successfully utilized this delivery approach in the past. With construction manager input during the design phase and design schedule flexibility, PCU can realize time and cost efficiencies.

**O. Describe the availability of local, state, and federal matching funds, the status of such awards, and any federal authorization as applicable.**

The applicant is not aware of other potential matching funding for this project.

Pinellas County Utilities is an Enterprise business and cannot use rate-payer revenue to extend infrastructure. Outside funding from grants and outside agencies currently provides the only avenue for these types of projects. There are many similar projects the department would like to address, and this funding would serve the community by helping to reduce surface water discharge, sanitary sewer overflows, and infrastructure impacts from infiltration and inflow from private wastewater collection systems.

**P. Describe any innovative technologies that may be used to complete the project.**

This project will employ the latest pipe connection technology and construction techniques to ensure the elimination of I&I. Unique sleeves will eliminate I&I coming from new sewer lateral installation, allowing for easier future expansion. Innovative approaches will be used to prevent ex-filtration. These construction techniques and materials will be inspected and tested post-construction to ensure that a leak-proof system was employed.

**Design Plans**

Download File ([https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/259071a5-f24b-4b30-8cc1-76985594064c?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU\\_Design.pdf%22&response-content-type=application%2Fpdf&Signature=mI%2FSvg8j7dUQIQVqCC4zVrr1iGQ%3D](https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/259071a5-f24b-4b30-8cc1-76985594064c?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU_Design.pdf%22&response-content-type=application%2Fpdf&Signature=mI%2FSvg8j7dUQIQVqCC4zVrr1iGQ%3D))

**Permits**

Download File ([https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/7a8bb8ce-73c5-47dc-acd5-c6a2f235f9a1?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU\\_Permits.pdf%22&response-content-type=application%2Fpdf&Signature=n2EhqqZz6CHhTffEuDBZbrpci%2FI%3D](https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/7a8bb8ce-73c5-47dc-acd5-c6a2f235f9a1?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU_Permits.pdf%22&response-content-type=application%2Fpdf&Signature=n2EhqqZz6CHhTffEuDBZbrpci%2FI%3D))

**Vulnerability Assessment**

Download File ([https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/588b5b65-a5e0-4402-a9f4-b99f0cd8a1f8?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU\\_Vulnerability\\_Assessment.pdf%22&response-content-type=application%2Fpdf&Signature=s6tshuLYbUtuy1ozdXJSosVHF7Y%3D](https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/588b5b65-a5e0-4402-a9f4-b99f0cd8a1f8?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU_Vulnerability_Assessment.pdf%22&response-content-type=application%2Fpdf&Signature=s6tshuLYbUtuy1ozdXJSosVHF7Y%3D))

**Page: Budget Information****Estimated total project cost**

\$25,000,000

**Grant funding amount requested**

\$25,000,000

**Cost-Share percentage available for the project**

0

**Cost-share source**

Not applicable

**COST-SHARE FUNDING SOURCES**

Other Funding Source Names

**Cost-share document upload**

Download File ([https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/5b7f4216-2b83-4ab5-a93b-395d677a07b2?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU\\_Cost-Share.pdf%22&response-content-type=application%2Fpdf&Signature=AjyhZgILNWORdzb3ihLLPmCv4kk%3D](https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/5b7f4216-2b83-4ab5-a93b-395d677a07b2?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22PCU_Cost-Share.pdf%22&response-content-type=application%2Fpdf&Signature=AjyhZgILNWORdzb3ihLLPmCv4kk%3D))

**Multi-Year Funding Breakdown**

Download File (<https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/7e04ec1a-4817-4b07-a7b7-a17d52451044?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1721502532&response-content-disposition=inline%3B%20filename%3D%22FY21-22%20PCU%20RF%20Infrastructure%20Multi%20Year%20Breakdown.pdf%22&response-content-type=application%2Fpdf&Signature=p3kpCYN9vBtYXH%2BtOQVa5LCxnAQ%3D>)

**Budget Narrative Description**

This estimate is based on engineering management experience of similarly sized projects of limited complexity. The project cost estimate for construction was prepared by Pinellas County Utilities in 2020 and is estimated at \$25,000,000. This cost is based on the above proposed replacement of the existing wastewater collection systems and sewer laterals to residences. The estimated construction cost includes, but may not be limited to: Mobilization, record drawing production, dewatering, manholes, piping, roadway resurfacing and repair and labor, and miscellaneous materials required to complete construction in accordance with the contract documents.

**Work Performed by:**

Sub-Contractor Only

**Sub-contractor 1 Company Name**

Not available at this time. No company is under contract.

**Sub-contractor 1 Amount Table**

Tasks

**additionalSub2only**

No

**Page: Tasks & Deliverables**

## Project Timeline Chart

Task #s

**A. Task#:** 1

**B. Task Title:** Construction

**C. Task Goal:** The objective of this task is to construct sanitary sewer system infrastructure at 15 mobile home parks.

**D. Task Description:** In order to meet a demanding funding schedule (three years), it is envisioned the construction contractor will construct the new infrastructure at multiple sites simultaneously. Construction activities will adhere to the contract documents that include technical specifications and design drawings. The contractor will also comply with all local, state and federal permitting requirements associated with this project. The project will be overseen by Pinellas County representatives or their contracted designees to provide assurance that the project will be constructed in accordance with the contract documents, applicable permits and grant funding requirements.

The work will be performed by a procured, qualified construction contractor licensed in the State of Florida.

**E. Task Deliverable(s) 1:**{90dac82e-2909-4917-9ab9-ca6dbf1794fc}

Kick-Off Meetings {90dac82e-2909-4917-9ab9-ca6dbf1794fc}

Other : Project Construction Communication, Traffic, and Safety Plan;

Project Website;

Project Quarterly Progress Reports;

Project Completion MHP Flow Monitoring Report

{5648137f-4bbb-466c-9456-2066bc3a0ce1} {5307e474-2808-4d85-be59-5e9c0ee76c9f}

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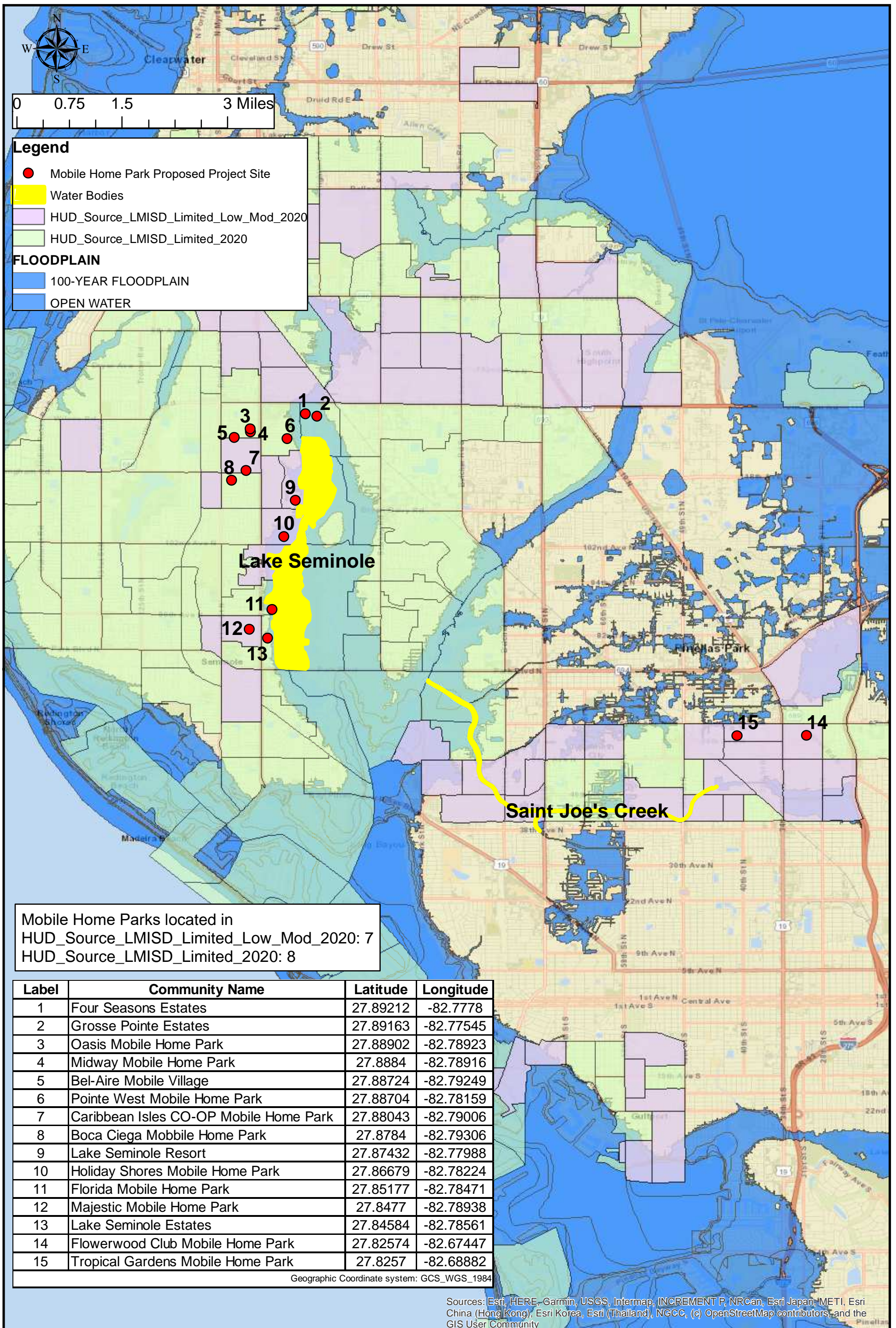
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**F. Task Due Date:** 9/30/2026

**G. Total Task Amount:** 25000000

**H. Task Budget Category:** Sub-Contractor Only (CS)









**UTILITIES DEPARTMENT**

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**M E M O R A N D U M**

TO: Florida Department of Environmental Protection Office of Resilience & Coastal Protection

FROM: Daniel Glaser, PE, Pinellas County Utilities Department

SUBJECT: Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan

DATE: October 25, 2021

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There are currently no design plans for the *Mobile Home Park Wastewater Collection System Improvements* project, as suggested in the "Project Information" section of the Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan application. The county advertised the design project October 15, 2021.

PCU's solicitation for professional engineering services for the project was advertised October 15, 2021. It is anticipated design will commence in early 2022.





**UTILITIES DEPARTMENT**

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**M E M O R A N D U M**

TO: Florida Department of Environmental Protection Office of Resilience & Coastal Protection

FROM: Daniel Glaser, PE, Pinellas County Utilities Department

SUBJECT: Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan

DATE: October 25, 2021

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There are currently no permits for the *Mobile Home Park Wastewater Collection System Improvements* project, as suggested in the "Project Information" section of the Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan application because the project is in the pre-design stage. All required permits will be acquired during design.



## UTILITIES DEPARTMENT

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### MEMORANDUM

TO: Florida Department of Environmental Protection Office of Resilience & Coastal Protection

FROM: Daniel Glaser, PE, Pinellas County Utilities Department

SUBJECT: Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan

DATE: October 25, 2021

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There is currently no project-level vulnerability assessment for the *Mobile Home Park Wastewater Collection System Improvements* project, as suggested in the "Project Information" section of the Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan application.

However, to prioritize capital projects and highlight areas for investment, Pinellas County Utilities (PCU) collaborated with 24 municipalities to conduct a countywide sea level rise (SLR) and storm surge vulnerability assessment that projected increasing flood risk in the County through the year 2100. PCU also worked on a major clean-up effort in partnership with the Southwest Florida Water Management District to address the effects of sanitary sewage overflows. All of these previous endeavors align with this project for DEP Resilient Florida funding.



## UTILITIES DEPARTMENT

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### MEMORANDUM

TO: Florida Department of Environmental Protection Office of Resilience & Coastal Protection

FROM: Daniel Glaser, PE, Pinellas County Utilities Department

SUBJECT: Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan

DATE: October 25, 2021

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Pinellas County, as served by the *Mobile Home Park Wastewater Collection System Improvements* project, does not qualify as a Financially Disadvantaged Small Community, and funds have not been secured to be used as cost-share for the project, as suggested in the "Budget Information" section of the Resilient Florida Statewide Flooding and Sea Level Rise Resilience Plan application.

The municipality has a population greater than 50,000, meaning it cannot qualify as a Financially Disadvantaged Small Community as it is defined in s.380.093, F.S..

Pinellas County Utilities is an Enterprise business and cannot use rate-payer revenue to extend infrastructure. Outside funding from grants and outside agencies currently provides the only avenue for these types of projects. There are many similar projects the department would like to address, and this funding would serve the community by helping to reduce surface water discharge, sanitary sewer overflows, and infrastructure impacts from infiltration and inflow from private wastewater collection systems.

**Resilient Florida Infrastructure Funding: Pinellas County Utilities**

<b>Year</b>	<b>Fiscal Year (July 1 – June 30)</b>	<b>Project Phase</b>	<b>DEP Grant Request Amount</b>	<b>Federal- sourced Match Amount</b>	<b>Other-sourced Match Amount</b>	<b>Cumulative Total</b>
<b>1</b>	<b>FY 22-23</b>					
<b>2</b>	<b>FY 23-24</b>					
<b>3</b>	<b>FY 24-25</b>					
<b>4</b>	<b>FY 25-26</b>					
<b>5</b>	<b>FY26-27</b>					
<b>Total Cost</b>	<b>N/A</b>	<b>Total for all phases</b>				



## ***Instructions***

- Please fill out the table indicating what phase of the project will be worked on in each fiscal year and the associated costs for each year.
- The phases should include design, permitting, construction, feasibility studies, pre and post construction monitoring, etc.
- If a phase will overlap between fiscal years, please include each phase in each fiscal year row.
- Please note that state fiscal years are July 1 through June 30 and that is the basis on which we are requesting the breakdown.
- Please verify that this aligns with your tasks and deliverable due dates, and that the total amounts are correct.