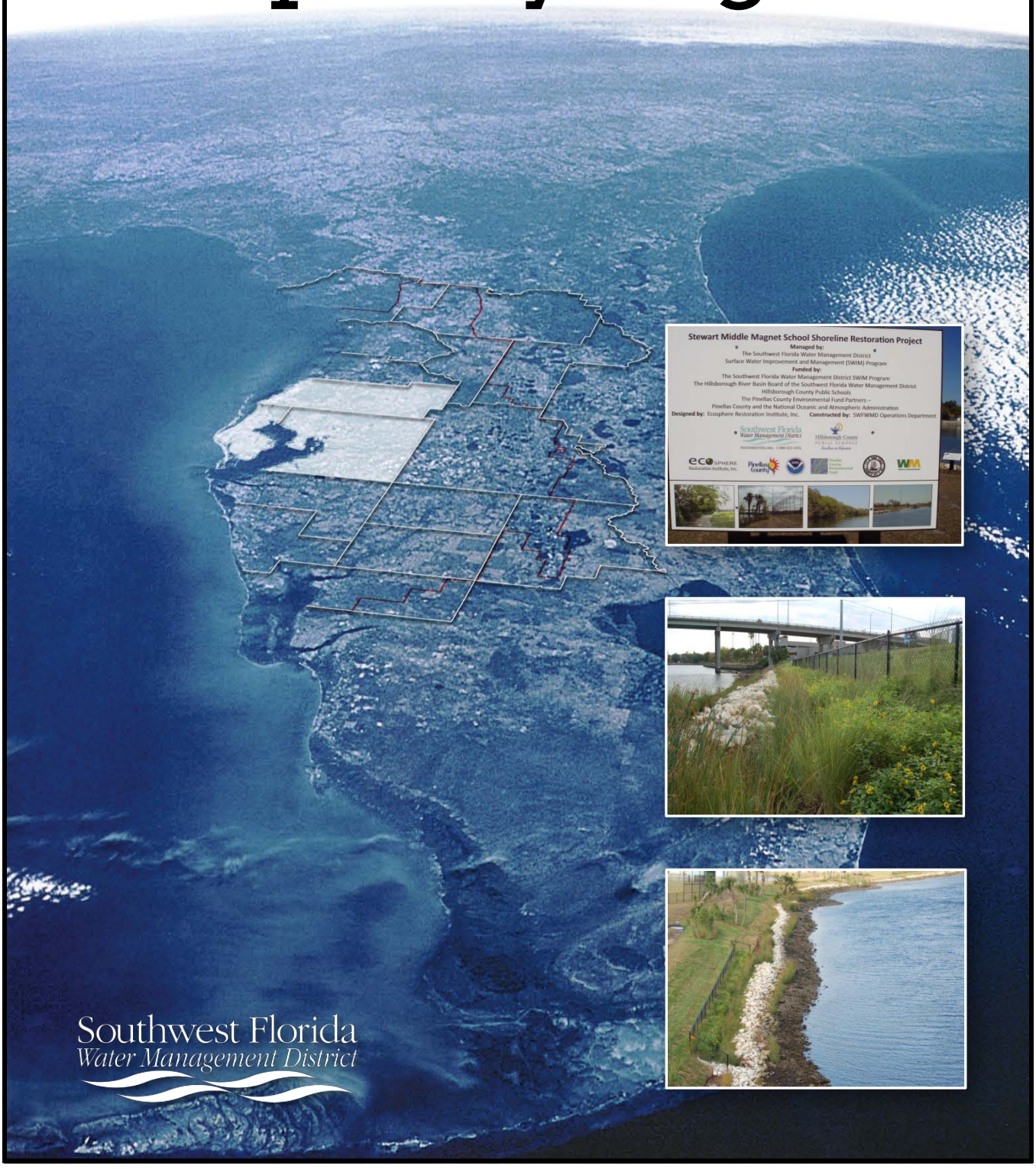
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Fiscal Year 2024

Cooperative Funding Initiative Applications

Tampa Bay Region



Southwest Florida
Water Management District

Project Name	SWF Project Number	Total Funding
City of Seminole: Stormwater Utility Rate Study	Q358	$37,500.00
City of St. Pete Beach Watershed Management Master Plan	Q359	$129,470.00
Clearwater Harbor/St. Joseph Sound Comprehensive Cons. & Mgt. Plan Surface Water Res. Assess.	Q233	$200,000.00
Clearwater Largo Road Best Management Practices	Q361	$133,700.00
DAR - South Hillsborough Aquifer Recharge Program SHARP RW-3	Q364	$2,400,000.00
Dodecanese Blvd./Athens St. Stormwater Improvements	Q365	$931,969.00
Falkenburg Road and Woodberry Road Drainage Improvements PD&E Study	Q366	$75,000.00
FY2024 Tampa Bay Environmental Restoration Fund	W024	$350,000.00
Granfield Drainage Improvements Alternative 2 PD&E Study (Project Development and Environment)	Q368	$75,000.00
Hillsborough County Watershed BMP Alternatives Analysis	Q337	$750,000.00
Lake Seminole Watershed Management Plan Update	Q376	$325,000.00
Lower Peninsula Stormwater Improvements - Southeast Region	Q190	$12,500,000.00
Magnolia Valley Storage & Wetland Enhancement	N865	$4,247,756.00
Old Tampa Bay Watershed Stormwater Quality Improvement Plan	Q379	$375,000.00
Sea Pines Neighborhood Flood Abatement	N850	$1,650,000.00
Southeast Seminole Heights Flood Relief	N949	$15,770,024.00
Southern Hillsborough County Supply Expansion: Pipeline	Q241	$145,054,000.00
St. Petersburg Sensible Sprinkling Program, Phase 11	Q387	$611,300.00
SW-1094; Lafitte Drive	Q225	$1,881,417.00
SWWRF-Facility Planning and Implementation	Q389	$475,000.00
TAMPA WATER DISTRIBUTION SYSTEM IMPROVEMENTS	Q390	$200,000.00
Trout Creek Watershed Management Plan Update	Q391	$385,000.00
Overall - Total		**$188,557,136.00**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: City of Seminole: Stormwater Utility Rate Study

Project Number: Q358

Cooperator: Seminole

Contact Person: Rodney E. Due

Department:

Address: 9199 113th Street

Phone #: 7273976383

City State Zip: Seminole, FL 33772

Ext: 249

Email: rdue@myseminole.com

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The City of Seminole is seeking funding assistance to conduct a Stormwater Utility Rate Study. In order to determine an appropriate rate for the existing and future needs for the City's Stormwater Utility, as well as establish a clear vision of the program's priorities, a professional analysis is needed. The City Manager has recommended that a consultant be hired to assist staff with this assessment. The proposed project is to be carried out in six steps:

a. Review Stormwater Operational and Capital Needs: Collect information and data from the City pertaining to the current expenses of the stormwater operations. All available operational expenses on personnel, equipment, maintenance contracts, debris management, intergovernmental agreements with either Pinellas County and/or the Southwest Florida Water Management District, capital projects costs, and other related services at the City attributed to stormwater management shall be included. Interviews with key personnel to verify and document details regarding current stormwater practices shall be included.

b. Establish Existing Level of Service (LOS): Identify the current level of service (LOS) provided by the City for operating and maintaining its stormwater collection and treatment system including frequency of maintenance, sediment and debris collection, street sweeping, public outreach, and other stormwater-related services provided by the City to the public.

c. Future Revenue Sufficiency Needs Analysis: Compile, and provide a 5-year projection of the program’s projected revenue needs to maintain the LOS currently provided by the City, including the City’s regulatory commitments to the NPDES program and any anticipated adjustments to stormwater management regulations.

d. Parcel Size and Impervious Areas Analysis: Utilize the Pinellas County Property Appraiser and Tax Collector’s parcel databases in conjunction with other best available data (GIS, Aerials, LiDAR, etc.) to analyze available parcel characteristics (such as pervious vs. impervious area). The results from this analysis will help determine the various rate structure models.

e. Rate Structure and Collection Alternatives: Develop alternative rate structure models based on the prevalent rate structures and collection methodologies in the State of Florida. The firm will present the City with alternatives for the development of a stormwater utility billing and collection system that would be most applicable to the city, along with the pros and cons of each methodology on the city’s personnel and technology infrastructure. The analysis will include a review of successful and unsuccessful stormwater assessment program implementations in the State of Florida for similar size cities that can provide guidance into the pros and cons of the proposed rate structure alternatives.

f. Report of Findings: Preparation of final report, summarizing findings in a concise and logical manner. Prepare and conduct a presentation of findings to City Council to explain the various study steps and associated methodologies, along with a recommendation on when rate structure and collection methodology for the City to implement.

Benefit:

A dedicated funding mechanism through the establishment of a Stormwater Utility would significantly improve the City's ability to fund stormwater capital improvement projects, increase resilience to flooding events, and address operational needs on a long term sustainable basis.

The anticipated outcome of the project shall be a 5-year projection of the program’s revenue needs to maintain the LOS currently provided by the City, including the City’s regulatory commitments to the NPDES program and any anticipated adjustments to stormwater management regulations.

Cost:

It is estimated that this study will cost $75,000.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

With the assistance of a professional engineering firm, the City is currently conducting a Watershed Management Plan (WMP) for the City of Seminole, which includes including Floodplain Analysis, Floodplain Level of Service (FPLOS), and Best Management Practices (BMPs). This work should be completed during FY 2023, and is currently being co-funded by the District through the CFI program. The Stormwater Utility will assist in the funding and implementation of the flood control and water quality improvements recommendations from the WMP.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	37,500	0	37,500
District Share	0	0	37,500	0	37,500
Total	**0**	**0**	**75,000**	**0**	**75,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Begin Project	11/1/23
Submit Final Report	9/2/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: City of St. Pete Beach Watershed Management Master Plan

Project Number: Q359

Cooperator: St. Petersburg Beach

Contact Person: Brett E Warner

Department:

Address: 155 Corey Ave

Phone #: 7273639254

City State Zip: St. Pete Beach, FL 33706

Ext:

Email: bwarner@stpetebeach.org

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This project will develop a Watershed Management Master Plan, as required by the City's proposed Comprehensive Plan amendment, and will identify resiliency measures to mitigate for the impacts of sea level rise and storm activity. Prior flood prevention projects have focused on stormwater impacts but did not consider impacts from projected Sea Level Rise (SLR). Results from this effort will be utilized to develop long range Capital Improvements and subsequent Cooperative Funding Initiative applications.

Historically, the City of St. Pete Beach has maintained a Citywide Stormwater Master Plan document that evaluated the City's stormwater drainage basins for deficiencies and identified future Capital Improvement Projects. In FY 2021, rather than continue with the historical Stormwater Master Planning effort, a decision was approved to shift the focus of the planning effort to a comprehensive water threats protection strategy. These high level analyses studied the comprehensive threat of SLR, King Tides and storm activity as they impact transportation mobility, critical infrastructure operations and private property. The final reports from this effort outlined broad engineering recommendations to protect the island from water threats and provide general order of magnitude costs. These high level reports will be incorporated into the proposed Watershed Management Master Plan with more specific and detailed modelling and analysis.

The City of St. Pete Beach is a barrier island approximately 5.5 miles in length and 0.63 miles wide at its widest point. Due to the island's location and geography, the City's stormwater system is mainly constructed out of inlet structures, piping, and outfall devices. There is very limited space for detention or retention within the watershed. There are no natural conveyance channels, ditches, or canals within the City. The main thoroughfare through the City is Gulf Boulevard, a Florida Department of Transportation owned and maintained roadway and associated stormwater drainage system. Several of the basins with Gulf Boulevard share outfall pipes with City basins.

Current City records exist in multiple formats, including historic hard copy as-built plans, digital as-built plans, electronic databases such as GIS. The City's existing GIS dataset will be evaluated and corrected where necessary as part of this project. This will provide the most accurate data possible for modelling, planning and prioritizing projects. Additional data will be collected for select infrastructure through field gathered survey and topographic measurements.

Once data correction and survey is completed, a citywide stormwater model will be developed to determine basin LOS and generate recommended improvements where reasonably obtainable. Potential water quality improvements will be assessed for each recommended project, where applicable.

Benefit:

This project will develop a long-term Watershed Management Plan that will allow for the City to propose more detailed and targeted flood protection and water quality improvement projects in future Cooperative Funding Initiative cycles. Additionally, this project will update and increase the accuracy of the City's existing Geographic Information System, improving the effectiveness of future maintenance, improvements, and annual reporting efforts.

Cost:

The cost for this project includes extensive data collection and desktop data cleanup efforts. For a total cost of $258,939.00 and a land mass of approximately 1,302.93 acres, the cost for the project is $198.74/acre.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and

flood protection ordinances.

The City is an active member of the Pinellas County MS4 NPDES permit, completing yearly reports and collaborating with Pinellas County on potential issues that may negatively impact water quality. The City has also recently implemented reclaimed watering restrictions to help residents and businesses utilize smart irrigation practices. Recent stormwater projects have included the installation of nutrient removal devices and BMPs. The City also has several ordinances and comprehensive plan policies aimed at flood prevention and pollutant discharge reduction.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	129,470	0	129,470
District Share	0	0	129,470	0	129,470
Total	**0**	**0**	**258,940**	**0**	**258,940**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Begin Field Reconnaissance Efforts	11/1/23
Complete Field Reconnaissance Efforts / Begin Topo. Aquisition	3/4/24
Complete Topo. / Begin Existing GIS Revisions & Expansion	4/15/24
Complete Stormwater Evaluation	8/19/24
Submit Draft Report	11/1/24
Respond to SWFWMD & City Comments / Submit Final Report	12/31/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Clearwater Harbor/St. Joseph Sound Comprehensive Cons. & Mgt. Plan Surface Water Res. Assess.

Project Number: Q233

Cooperator: Pinellas County

Contact Person: Rob Burnes

Department:

Address: 22211 US hwy 19 N Bldg 10

Phone #: 7274533149

City State Zip: Clearwater, FL 33765

Ext:

Email: rburnes@pinellascounty.org

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Monitoring

Project Description/Benefit/Cost

Description:

This application is for year 3 funding of a four year project with a goal to identify sources of elevated nitrogen levels in Clearwater Harbor and St. Joseph Sound (CHSJS) and propose best management practices aimed at reducing nutrient inputs into the system. The CHSJS area includes extensive and diverse natural resources including seagrasses, parks and preserves, and avian migratory flyways among others. However, the CHSJS watersheds also contain some of the most densely populated urban land in the state. Pinellas County and the Southwest Florida Water Management District (SWFWMD) previously recognized the need to develop a Comprehensive Conservation and Management Plan (CCMP) to summarize existing information on the status and trends of natural resources, synthesize existing management efforts, and establish goals, actions, strategies, and priorities to ensure future stewardship of natural resources within CHSJS. This effort was completed in 2012.
Since the CCMP was completed, CHSJS has seen an increase in nitrogen concentrations, with several years exceeding the state criteria for the area. To better understand where the nutrients are coming from, Pinellas County would like to conduct a multiyear study aimed at identifying the sources of elevated nitrogen levels and proposing structural and non-structural best management practices that will reduce nitrogen inputs. This will be accomplished by reviewing existing water quality data, stormwater infrastructure, municipal stormwater practices, point sources (WWTFS, major outfalls), municipal maintenance practices, reclaimed usage areas, and major outfalls. Following the review, a targeted water quality sampling effort will be conducted for 18-24 months to better understand nutrient input sources and close any data gaps. Lastly, Pinellas County and its consultant will analyze all the information to identify major sources of nitrogen and propose best management practices aimed at reducing nutrient inputs.

Benefit:

The major benefits of this project will be the identification of sources of nutrients, both in terms of form and location, and recommendations for reducing nutrient loads in CHSJS. This will allow for future targeted best management practices aimed at reducing nutrient inputs in a cost-effective manner, with the ultimate goal of attaining designed uses and improved water quality.

Cost:

The total cost of this project is expected to be $400,000 over four fiscal years. The first-year cost (FY2022) will be $100,000, the second-year cost (FY2023) will be $50,000, the third-year cost (FY2024) is anticipated to be $150,000, and the fourth-year cost (FY2025) is anticipated to be $100,000.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Pinellas County Comprehensive Plan obligates the County to protect, enhance, and improve water quality through water quality monitoring, watershed management plan development, implementation of projects, and environmental enforcement. In addition, the County is obligated by the Comprehensive Plan to work to improve flood protection and natural systems. The County has a fertilizer ordinance which restricts using products containing nitrogen or phosphorus during the rainy season with a related sales ban, a pet waste ordinance, and a street sweeping program all designed to reduce nutrient pollution to receiving waters. The County also has adopted a stormwater assessment that collects money to fund surface water programs which includes stormwater maintenance and related public outreach/education programs. In addition, many of our County vehicles are wrapped with stormwater education messages and professional landscape maintenance companies are required to take a BMP training certification course.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	50,000	25,000	75,000	50,000	200,000

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
District Share	50,000	25,000	75,000	50,000	200,000
Total	**100,000**	**50,000**	**150,000**	**100,000**	**400,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Research and Review Existing Data	6/1/23
Data Collection Plan	8/1/23
Data Collection	7/1/25
BMP Alternatives Analysis	12/1/25
Data Collection, Data Compilation and Analysis, Watershed, and Water Quality Assessment	12/1/25
Draft Report	3/1/26
Final Report	7/1/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Clearwater Largo Road Best Management Practices

Project Number: Q361

Cooperator: City of Largo

Contact Person: Ann Rocke

Department:

Address: 201 Highland Avenue

Phone #: 7275876713

City State Zip: Largo, FL 33770

Ext:

Email: arocke@largo.com

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The Clearwater-Largo Road Drainage District Study update, completed in 2013, proposed best management practice (BMP) alternatives to comply with National Pollutant Discharge Elimination System (NPDES) regulations. One of the proposed BMP alternatives identified for implementation was the construction of a new stormwater treatment pond within Coastal Zone 1 for the reduction of nitrogen and phosphorous.

Benefit:

The pond is designed as a wet detention pond and will provide additional treatment of runoff through detention and vegetative contact.

Cost:

Largo CIP Current Budget for the entire project is $453,300. The portion addressing water quality is $267,400.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

This project is identified in the Clearwater-Largo Road Drainage District Study Update, which was completed in 2013.

The City of Largo's Stormwater Program engages in multiple complementary efforts to this project. The City's Stormwater Program includes the following activities/programs:
- The City has adopted a Stormwater Utility Fee by City Ordinance
- The City operates a street sweeper program, which includes all City-owned roadways
- The City's stormwater maintenance program is conducted as a cooperative effort between the Public Works Department and Engineering Services Department
- The City has adopted the Pinellas County Fertilizer Ordinance
- The City has adopted a pet waste ordinance
- The City has an active education campaign on stormwater that includes a comprehensive online engagement initiative, in-person educational events, public advertising and signage, vehicle wraps, rain barrel donation program, and other channels of communication.
- The City includes water quality treatment in its stormwater projects whenever feasible

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	133,700	0	133,700
District Share	0	0	133,700	0	133,700
Total	**0**	**0**	**267,400**	**0**	**267,400**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Start Project Construction	10/1/23

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: DAR - South Hillsborough Aquifer Recharge Program SHARP RW-3

Project Number: Q364

Cooperator: Hillsborough County Water Department

Contact Person: Lauren R. Storch

Department:

Address: 925 E Twiggs Street

Phone #: 8139642715

City State Zip: Tampa, FL 33602

Ext:

Email: storchla@hillsboroughcounty.org

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Conservation

Reclaimed Water

Regional Water Supply Planning

Project Description/Benefit/Cost

Description:

In 2009, Hillsborough County's Water Resources Department (WRD) began evaluating the feasibility of using highly-treated wastewater from its existing Advanced Water Reclamation Facilities to provide environmental improvements, a barrier to saltwater intrusion, a path to the restoration of MIA water levels, and support a long-term and sustainable solution to water management challenges in the southern portion of its service area. The County's goal of 100% reuse capability is the driver behind the development of the first reclaimed water direct aquifer recharge pilot project in the state of Florida. The County's South Hillsborough Aquifer Recharge Program (SHARP) began with the first recharge well located at the Port Redwing Outfall, RW-1. The County has continued with the program with three additional recharge wells (RW-2, RW-4, RW-5), with sites RW-2 and RW-4 being cooperatively funded by the SWFWMD. As of the time of this application, RW-1 and RW-2 are in operation, RW-4 is nearing construction completion, and RW-5 has recently started construction. WRD is now seeking to begin RW-3 of SHARP and install an additional Class V recharge well in the South Hillsborough County area. The County's aquifer recharge expansion vision includes a regional recharge system to mitigate saltwater intrusion in coastal Hillsborough County, provide a level of mitigation to the MIA of the SWUCA, and to allow for additional groundwater development in an area that has had historical adverse water level impacts to the aquifer. Additionally, the continued progression of the SHARP project aligns with several of the District's strategic goals, such as those aimed at increasing the development of alternative water supplies and maximizing the beneficial use of reclaimed water. Furthermore, facilitating the construction of an additional recharge well would further the District's initiatives outlined in the 2020 Regional Water Supply Plan, by helping to ensure regional demands for alternative water supplies can be met in the future.

Currently, a total of six wells have been permitted, although it is anticipated that SHARP could expand beyond these six wells in the future. RW-6 is currently going through the site selection process and will be submitted as a cooperative funding project in the future. RW-3 is anticipated to operate at 2 MGD AADF with peak flows up to 5 MGD. This project consists of the Design, Permitting, and Construction of the RW-3 aquifer recharge well, associated monitoring wells, and onsite infrastructure; One (1) recharge well wellhead and appurtenances; Two (2) monitoring wells and appurtenances, including sample pump and purge water discharge facilities; Booster pump and associated equipment; Electrical service to the monitoring well for controls; SCADA, instrumentation and control, including automation so that the system can be remotely operated with all necessary monitoring systems in place to meet FDEP permit reporting requirements.

Benefit:

The County's aquifer recharge expansion vision includes a regional recharge system to mitigate saltwater intrusion in coastal Hillsborough County, provide a level of mitigation to the MIA of the SWUCA, and to allow for additional groundwater development in an area that has had historical adverse water level impacts to the aquifer. RW-3 is anticipated to operate at 2 MGD AADF with peak flows up to 5 MGD.

Cost:

Total SHARP RW-3 Project Cost: $4,800,000; Total District share: $2,400,000 in FY2024; Hillsborough County share: $2,400,000 in FY2024.

Hillsborough County seeks to utilize up to 10% of project costs for permitting and design costs incurred as part of the required cooperator match.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and

flood protection ordinances.

Hillsborough County was the premiere local government to decriminalize the violation of water use restrictions, and to adopt a civil citation process for the enforcement of the same in July 1993. A fulltime Water Conservation Manager assures that the County stays abreast of conservation issues. This facilitates amendments to the County's Water Conservation Ordinance (HCO 03-07) as needed to quickly address changing conditions in the regulatory environment and as deemed appropriate by the County's administration. Enforcement of water conservation issues is done through Code Enforcement and Construction Services (Plumbing and Building Departments) in areas of their respective responsibilities. Reclaimed Water Master Plans have been developed to determine how reclaimed water throughout the County will be utilized for the primary goal of offsetting potable water use and meeting regulatory compliance. Additionally, the County has established a Reclaimed Water Improvement Unit (RWIU) ordinance to retrofit existing subdivisions with reclaimed water distribution systems. Hillsborough County has adopted a flood plain ordinance (County Ordinance 01-33) as required to participate as a community in the National Flood Insurance Program (NFIP) administered through the Federal Emergency Management Agency (FEMA). The county has developed land development regulations (LDR 96-35) to enforce the ordinance. All development is required to receive the proper building and site alteration permits. At this time flood plain issues are addressed to ensure compliance with the flood plain ordinance. Finished floor elevations are compared to the 100 year flood elevation. The County is also a participant in FEMA's Community Rating System and received a Class 6 rating. The Hillsborough County Reuse Program includes metering and an incentive based reuse rate structure for high volume water users and has proactive reclaimed water expansion policies which maximize utilization, water resource benefits and environmental benefits.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	2,400,000	0	2,400,000
District Share	0	0	2,400,000	0	2,400,000
Total	**0**	**0**	**4,800,000**	**0**	**4,800,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design Begin	5/1/20
Design Complete	7/1/23
End Permitting	10/1/23
Advertise, Bid , Award	2/1/24
Construction Begin	4/1/24
Construction Complete	10/1/25
Final Closeout	4/1/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Dodecanese Blvd./Athens St. Stormwater Improvements

Project Number: Q365

Cooperator: Tarpon Springs

Contact Person: Bob Robertson

Department:

Address: 324 E. Pine Street

Phone #: 7279425638

City State Zip: Tarpon Springs, FL 34689

Ext:

Email: rrobertson@ctsfl.us

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Emergency Flood Response

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The project is located within the Tarpon Springs Greektown Historic District (National Register of Historic Places June 2014). The low-lying nature of this coastal area combined with aging and undersized drainage infrastructure results in frequent roadway and private property/structure flooding during nominal rain events, which is exacerbated when they occur during normal high tides and “Spring/King” tides. The project is aimed specifically to address this chronic regional flooding in the City’s world-renowned Sponge Docks area, while also providing water quality improvement. The project location is the City’s primary tourist destination.

A detailed drainage analysis of this area was conducted in 2019 which identified the cause, extent, and duration of the flooding. The study also developed a phased approach for resolving the various flooding conditions along the Dodecanese Blvd. corridor.

In the existing conditions, surface runoff generated by the 47-acre basin flows from south to north along Hope St., Athens St. and Arfaras St. all draining to Dodecanese Blvd. and ultimately into the Anclote River, only one of three primary receiving waterbodies within the limits of the City. Currently, there is no water quality treatment being provided. Currently, Dodecanese Boulevard does not have a storm sewer collection system between Athens Street and Arfaras Street and receives runoff from 18.3-acres of mostly developed basin. With the large contributing area, lack of storm sewer collection system, a significantly undersized storm sewer collection/outfall system (at the Dodecanese Blvd./Athens St. intersection) and the flat longitudinal roadway grade results in severe roadway and private property/structure flooding during nominal rainfall events (2.33-yr./24-hr.). This flooding is exacerbated when the rainfall occurs during normal high tides and “Spring/King” tides.
The first phase (installed 2020) of proposed stormwater improvements included the installation of backflow prevention valves at each of the three piped outfalls (Hope St./Athens St./Arfaras St.), to prevent tidally influenced “sunny-day” flooding.

A second phase of stormwater improvements was also developed. This CFI application covers the second phase of stormwater improvements as summarized below:
1. Construction of a new storm sewer collection system along Dodecanese Blvd. and Athens St., sized to convey the 10-yr./24-hr. storm event. Reconstruction of Dodecanese Blvd. and Athens St. cross and longitudinal slopes to improve conveyance of roadway runoff to the new storm sewer collection system.
2. Construction of a new stormwater pump station at the Dodecanese Blvd. and Athens St. intersection. The pump station will serve as the primary outfall for the new storm sewer collection system. The pump station has been designed to prevent roadway flooding from occurring during a 25-yr./24-hr. storm event that coincided with a “Spring/King” tide. Should the pump station be offline for maintenance or lack of power, the gravity outfall will serve as the primary outfall.
3. Construction of a nutrient removal baffle box that will provide water quality treatment. The nutrient removal baffle box will provide an annual nutrient removal of 14.97 kg./yr. (33.01 lbs.) for Total Nitrogen and 1.75 kg./yr. (3.86 lbs.) for Total Phosphorus. This system is also designed to capture sediments, trash, foliage, and hydrocarbons.

A pre and post development ICPR watershed model (2D) was developed to evaluate the proposed drainage improvements and to determine the regional benefit. Construction plans (30%) have been completed. A 60% design and SWFWMD Permit submittal package is planned for October 2022. The ICPR model data was used with the District’s Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool (v1.1, July 2021). This analysis indicates a Benefit/Cost Ratio of 2.07.

Benefit:

The proposed project will provide regional flooding abatement and protection from Spring and King tides as well as storm events ranging from the mean annual 2.33-year design storm through the 100-year storm event. The proposed improvements will alleviate damage to roadways, private property, structures and businesses located within the Tarpon Springs Greektown Historic District, the City’s economic engine. There are also several ancillary benefits: improved emergency response time during storm events;

eliminating the use of City emergency and maintenance staff services that provide temporary traffic control during roadway flooding events.

Cost:

$3,546,328.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

There are numerous complementary benefits that cannot be adequately quantified in the CFI cost/benefit analysis spreadsheet, including alleviating flooding/damage to what is a historical and central economic center for the City of Tarpon Springs.

1. Improved water quality – Although a BMPTrains analysis was conducted to quantify the net benefit of the proposed Nutrient Removal Baffle Box, additional water quality benefits are provided by minimizing roadway flooding and preventing the inundation of the sanitary sewer systems located within the affected roadways and the comingling of sewer flows with surface runoff. This runoff currently drains to and adversely affects the Anclote River (FDEP WBID 1440) and ultimately the St. Joseph Sound and Gulf of Mexico.

2. Pedestrian Safety and Mobility – Alleviating roadway flooding along both Dodecanese Boulevard and Athens Street corridors will provide a safer environment where pedestrians, transit users and cyclists are not negatively impacted by standing water, flooded roads or related wheel splash.

3. Emergency/Disaster Preparedness – Currently, when Athens Street and Dodecanese Boulevard flood, the City undergoes considerable expense in mobilizing public works staff and police to close these roadways and maintain traffic and pedestrian safety. Emergency services are also interrupted and negatively affected in the area.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	207,543	697,404	372,788	0	1,277,735
District Share	0	0	931,969	0	931,969
State of Florida	0	1,043,034	695,356	0	1,738,390
Total	**207,543**	**1,740,438**	**2,000,113**	**0**	**3,948,094**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

60% CONSTRUCTION PLANS	10/28/22
90% CONSTRUCTION PLANS	2/13/23
FINAL CONSTRUCTION PLANS	3/27/23

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Falkenburg Road and Woodberry Road Drainage Improvements PD&E Study

Project Number: Q366

Cooperator: Hillsborough County Public Works Dept.

Contact Person: Mikhal Moberg

Department:

Address: 601 E Kennedy Blvd 22nd Floor

Phone #: 8133071831

City State Zip: Tampa, FL 33602

Ext:

Email: mobergm@hillsboroughcounty.org

Project Type:

Flood Protection

Strategic Initiatives:

Emergency Flood Response

Floodplain Management

Project Description/Benefit/Cost

Description:

The Hillsborough River and Tampa Bypass Canal Stormwater Management Master Plan Update No. 2 published in December 2021 and co-funded by Southwest Florida Water Management District (SWFWMD) identified multiple flood control alternatives that if implemented may help reduce flooding within the Hillsborough River and Tampa Bypass Canal Watershed. In order to move forward with a potential project identified within the Watershed Management Masterplan a project feasibility study/ Conceptual Design Study may be performed. The specific project of interest for this effort is the Falkenburg Road and Woodberry Road Area. The Stormwater Management Master Plan Update shows Falkenburg Road (arterial) experiences approximately 1 foot of water above the roadway for the 50-year storm and Woodberry Road (collector) experiences close to 2 feet of water over the roadway. During Hurricane Frances, roadway flooding was reported on Woodberry Road. The 38-inch-x-53-inch elliptical reinforced-concrete pipe (ERCP) carrying runoff in the Woodberry Road area lacks adequate capacity, overflowing into the Falkenburg Road stormwater management system and overwhelming the wet-detention ponds. Providing additional conveyance away from the Woodberry Road system will reduce the flood stages at Woodberry Road and eliminate the flooding on Falkenburg Road. The project proposes 3'x5' box culverts and a 5-acre pond. The project removes the LOS deficiencies on Falkenburg Road and Woodberry Road. This effort will review the feasibility of a potential flood reduction project. These improvements would be classified as intermediate according to SWFMWD’s system levels. The proposed study would assess the feasibility of this flood protection alternative. The results of the proposed feasibility study will help determine whether Hillsborough County moves forward with formal design and construction.

Benefit:

Completion of the Falkenburg Rd and Woodberry Rd Drainage Improvements may yield permittable, construct able and feasible drainage improvements that may improve the conditions within the community.

Cost:

The estimated cost is $150,000 (inclusive of Hillsborough County Funds & SWFWMD funds).

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Water Conservation: Hillsborough County was the premier local government to decriminalize the violation of water use restrictions, and to adopt a civil citation process for the enforcement of the same in July 1993. A full-time Water Conservation Manager assures that the County stays abreast of conservation issues. This facilitates amendments to the County's Water Conservation Ordinance (HCO 03-07) as needed to quickly address changing conditions in the regulatory environment and as deemed appropriate by the County's administration. Flood Protection: The principal purpose of Hillsborough County's floodplain management program is to protect residents and business owners from flooding risks. Flooding disasters are the leading recurring hazard within the County and have the potential of affecting greater than one-quarter of the population at a value that is greater than five billion dollars in personal property. Construction standards and planning concepts are implemented through the County's Land Development Code. Floodplain Management Plan and Local Mitigation Strategy.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	75,000	0	75,000
District Share	0	0	75,000	0	75,000
Total	**0**	**0**	**150,000**	**0**	**150,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Kick-Off Meeting	3/1/24
Project Completion	1/1/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: FY2024 Tampa Bay Environmental Restoration Fund

Project Number: W024

Cooperator: TBEP

Contact Person: Maya C Burke

Department:

Address: 263 13th Ave S, Suite 350

Phone #: 7278932765

City State Zip: SAINT PETERSBURG, FL 33701

Ext: 201

Email: mburke@tbep.org

Project Type:

Natural Systems, Water Quality

Strategic Initiatives:

Natural Systems Conservation and Restoration

Natural Systems Identification and Monitoring

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This project is for Year 12 of the highly successful Tampa Bay Environmental Restoration Fund (TBERF) to fund restoration, applied research, and education initiatives in Tampa Bay and its contributing watershed, consistent with the District's core mission and priorities expressed for the Tampa Bay Planning Region. TBERF is a competitive grant program open to public entities (including SWFWMD) and NGOs, with project awards from $25,000 to $250,000 to support habitat restoration, water quality improvement and environmental education. Project proposals will be solicited through a widely-distributed Request for Proposals early in 2024, following execution of the contract between SWFWMD and TBEP. Eligible proposals are reviewed by a Proposal Review team, consisting of scientists, resource managers, and restoration practitioners who provide their findings to the TBEP Executive Director. The TBEP Policy Board (which includes a District Governing Board member) approves the final list of projects to be funded in May 2024. All funded projects will be initiated by September 2024, and are generally 1-3 years in duration. In the first ten years (2013-2022), SWFWMD CFI funds were matched with other public and private sources to provide more than $8.1M for 88 competitively-awarded projects. $1.45M has been awarded to nine different District projects for the same period.

Benefit:

The TBERF request presents an opportunity to leverage SWFWMD funds with other public and private partners in the Tampa Bay area and funds from outside Florida to directly address SWFWMD core mission objectives. In the first ten years (2013-2022), SWFWMD CFI funds were matched with other public and private sources to provide funds for 88 competitively-awarded projects, resulting in measurable environmental benefits including: 8,497 acres of planned or restored coastal habitat; more than 2,351 oyster domes installed; 200 acres of seagrass enhanced; 8,228 linear feet of living shoreline installed/planned; treatment of urban runoff from 734 acres of highly urbanized areas; and 30 applied research projects addressing topics such as nutrient management education, assessment of fish habitat, harmful algal blooms, hard bottom substrate, remote sensing technology, existing habitat value of dredged holes in Tampa Bay, carbon sequestration in coastal habitats, and microplastics abundance. Projects selected for the eleventh year of the TBERF grant program (projects are scheduled to be selected in spring 2023) will have similar requirements to provide significant measurable environmental benefits consistent with the District's core mission, strategic initiatives and regional priorities. Additional requirements related to nutrient loading minimums (>/= 50 lbs TN) and shoreline restoration length (>/= 400 linear feet) will be included for FY2024 projects to remain consistent with new SWFWMD CFI policies.

Cost:

The Tampa Bay Estuary Program will continue to act as the local sponsor for the FY2024 TBERF. Restore America's Estuaries (RAE), a 501(c)(3) non-profit organization, will act as our national partner, and brings the ability to leverage local funds with funds obtained through appropriations, environmental fines, and philanthropic gifts from entities beyond the Tampa Bay area. For FY2024, the CFI request of $350,000 is expected to be met with funds from Hillsborough County, Pinellas County, The Mosaic Company, TECO, Publix, and FDOT. It is anticipated that additional funds will be raised from other local and national sources.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Comprehensive Conservation and Management Plan for Tampa Bay (CCMP) includes measurable goals and strategic initiatives for Tampa Bay and its contributing watersheds that are consistent with the water conservation, water quality, and flood protection priorities of the SWFWMD. The CCMP is approved by federal, state and local governments (including SWFWMD) and lays out a detailed road map for the funding and implementation of Tampa Bay restoration and recovery projects.

FY 2024 Cooperative Funding Initative Application Form

Actions to improve water quality include, but are not limited to:
Implement the Tampa Bay nutrient management strategy (WQ-1); Reduce the frequency and duration of harmful algal blooms (WQ-3) ; Reduce nitrogen runoff from urban landscapes (SW-1); Expand adoption and implementation of agricultural BMPs (SW-8); Expand the use of green infrastructure practices (SW-10)

Actions to support water conservation include, but are not limited to:
Expand the beneficial use of reclaimed water (WW-1); Maintain seasonal freshwater flows in rivers (FI-1); Promote public education about key issues affecting the bay (PE-2)

Actions to address flood protection include, but are not limited to:
Enhance the ecosystem values of tidal tributaries (BH-9); Incorporate CCMP goals/actions into local government comprehensive plans, land development regulations, or ordinances (LI-1)

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	350,000	0	350,000
District Share	0	0	350,000	0	350,000
Total	**0**	**0**	**700,000**	**0**	**700,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Advertise Request for Proposals	2/28/24
RFP Evaluation and Award	5/31/24
NTP Issued to Contractors	9/30/24
2024 TBERF Projects Closed Out/Measurable Benefits Acheived	9/30/27

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Granfield Drainage Improvements Alternative 2 PD&E Study (Project Development and Environment)

Project Number: Q368

Cooperator: Hillsborough County Public Works Dept.

Contact Person: Mikhal Moberg

Department:

Address: 601 E Kennedy Blvd 22nd Floor

Phone #: 8133071831

City State Zip: Tampa, FL 33602

Ext:

Email: mobergm@hillsboroughcounty.org

Project Type:

Flood Protection

Strategic Initiatives:

Emergency Flood Response

Floodplain Management

Project Description/Benefit/Cost

Description:

The Hillsborough River and Tampa Bypass Canal Stormwater Management Master Plan Update No. 2 published in December 2021 and co-funded by Southwest Florida Water Management District (SWFWMD) identified multiple flood control alternatives that if implemented may help reduce flooding within the Hillsborough River and Tampa Bypass Canal Watershed. In order to move forward with a potential project identified within the Watershed Management Masterplan a project feasibility study/ Conceptual Design Study may be performed. The specific project of interest for this effort is the Granfield Area. The Granfield area is in a closed basin and experiences roadway and residential flooding, as identified in the Watershed Update Report. This effort will review the feasibility of a potential flood reduction project, which includes proposed gravity and force main infrastructure and a pump station. These improvements have the potential to solve the roadway problem and improve the neighborhood flooding problem by removing the Flood Protection Level of Service (FPLOS) deficiencies along Harney, Williams, Walker, Eastfield, Hershey, and Granfield Roads. The duration of flooding for the Granfield and Lake Park neighborhoods may also be improved. These improvements would be classified as intermediate according to SWFMWD's system levels. The proposed study would assess the feasibility of this flood protection alternative. The results of the proposed feasibility study will help determine whether Hillsborough County moves forward with formal design and construction.

Benefit:

Completion of the Granfield Drainage Improvements may yield permittable, construct able and feasible drainage improvements that may improve the conditions within the community.

Cost:

The estimated cost is $150,000 (inclusive of Hillsborough County Funds & SWFWMD funds).

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Water Conservation: Hillsborough County was the premier local government to decriminalize the violation of water use restrictions, and to adopt a civil citation process for the enforcement of the same in July 1993. A full-time Water Conservation Manager assures that the County stays abreast of conservation issues. This facilitates amendments to the County's Water Conservation Ordinance (HCO 03-07) as needed to quickly address changing conditions in the regulatory environment and as deemed appropriate by the County's administration. Flood Protection: The principal purpose of Hillsborough County's floodplain management program is to protect residents and business owners from flooding risks. Flooding disasters are the leading recurring hazard within the County and have the potential of affecting greater than one-quarter of the population at a value that is greater than five billion dollars in personal property. Construction standards and planning concepts are implemented through the County's Land Development Code. Floodplain Management Plan and Local Mitigation Strategy.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	75,000	0	75,000
District Share	0	0	75,000	0	75,000
Total	**0**	**0**	**150,000**	**0**	**150,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Kick Off	3/1/24
Project Completion	1/1/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Hillsborough County Watershed BMP Alternatives Analysis

Project Number: Q337

Cooperator: Hillsborough County Public Works Dept.

Contact Person: Mikhal Moberg

Department:

Address: 601 E Kennedy Blvd 22nd Floor

Phone #: 8133071831

City State Zip: Tampa, FL 33602

Ext:

Email: mobergm@hillsboroughcounty.org

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Emergency Flood Response

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

Hillsborough County has a robust tool in the existing watershed management plans (WMPs) that may be successfully utilized to identify additional potential flood protection and water quality improvement projects. Southwest Florida Water Management District and Hillsborough County Resources have been utilized to create these WMPs. The previously completed Hillsborough County WMPs contained anywhere between 4 to 31 potential project areas per watershed. These areas were generally identified by deficiencies in flood protection level of service (FPLOS). These areas represent a very small portion of the watershed and additional effort is required to ensure holistic flooding and project identification. Additionally, previous WMPs project identification has not focused on resiliency related to sea level rise, which is important for a Gulf of Mexico adjacent county such as Hillsborough County.
Hillsborough County seeks to provide a more comprehensive analysis inclusive of resiliency planning, water quality and flood protection where this is an extension of the legacy WMPs Best Management Practice (BMP) alternatives analysis. Consistent methodology across all watersheds and a systematic approach to project identification.
Project aims to develop a holistic County-wide stormwater management plan to identify projects which provide water quality improvement and flood reduction. Hillsborough County aims to provide a model-based approach to aid in identification of flood protection and water quality Best Management Practices utilizing the hydrologic & hydraulic models associated with their existing up-to-date stormwater master plans in conjunction with up-to-date land use and event mean concentration data. Historically budget limitations have reduced the County’s ability to comprehensively identify water quality and flood protection BMPs throughout the County. In FY22, the County expects to fund identification/creation of approximately 50-100 BMPs ($5,000-$10,000/ BMP). The target for the entire project (FY22 – FY25) is to fund identification of approximately 200-400 BMPs through FY25. Implementation of holistic detailed BMP identification may guide future allocation of resources and ultimately improve the environment and conditions for the residents within Hillsborough County.

Benefit:

Project would support key initiatives for Stormwater Planning Team, Environmental Management Division and Stormwater Investigation Team. Project would help identify areas that currently experience flooding and provide potential BMPs. Project may identify areas that may benefit from water quality BMPs. Implementation of future projects may provide flood protection and improved water quality.

Cost:

The total estimated project cost is $2,000,000 (inclusive of Hillsborough County Funds & SWFWMD funds).

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Water Conservation: Hillsborough County was the premier local government to decriminalize the violation of water use restrictions, and to adopt a civil citation process for the enforcement of the same in July 1993. A full-time Water Conservation Manager assures that the County stays abreast of conservation issues. This facilitates amendments to the County's Water Conservation Ordinance (HCO 03-07) as needed to quickly address changing conditions in the regulatory environment and as deemed appropriate by the County's administration. Flood Protection: The principal purpose of Hillsborough County's floodplain management program is to protect residents and business owners from flooding risks. Flooding disasters are the leading recurring hazard within the County and have the potential of affecting greater than one-quarter of the population at a value that is greater than five billion dollars in personal property. Construction standards and planning concepts are implemented through the County's Land Development Code.

FY 2024 Cooperative Funding Initative Application Form

Floodplain Management Plan and Local Mitigation Strategy.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	500,000	250,000	250,000	250,000	1,250,000
District Share	0	250,000	250,000	250,000	750,000
Total	**500,000**	**500,000**	**500,000**	**500,000**	**2,000,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Kick-off Meeting	3/1/23
BMP Analysis with Sea-Level Rise Scenarios	8/1/24
Flood Control BMP Alternatives Analysis	8/1/24
Water Quality BMP Alternatives Analysis	8/1/24
Project Completion	6/1/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Lake Seminole Watershed Management Plan Update

Project Number: Q376

Cooperator: Pinellas County

Contact Person: Rob Burnes

Department:

Address: 22211 US Highway 19 N BLDG 10

Phone #: 7274533149

City State Zip: Clearwater, FL 33765

Ext:

Email: rburnes@pinellascounty.org

Project Type:

Flood Protection, Natural Systems, Water Quality

Strategic Initiatives:

Floodplain Management

Natural Systems Conservation and Restoration

Water Quality Monitoring

Project Description/Benefit/Cost

Description:

The project involves the development of a comprehensive update to the Lake Seminole watershed management plan (WMP) that results in in recommendations for drainage, water quality and natural systems improvement projects. The Lake Seminole Watershed covers approximately 11.6 square miles of central Pinellas County.
A formal WMP was completed in 2001. With Pinellas County being a highly urbanized area with continuous redevelopment, the watershed has seen major alterations to hydrology, water quality, and hydraulics. These changes would be captured by the continued effort to keep the WMP up to date.

Benefit:

The contractual Measurable Benefit will be the completion of an updated WMP that identifies floodplains, establishes LOS, and evaluates BMPs to address flooding concerns, water quality and natural systems in the watershed.

Cost:

The total cost of this project is expected to be $650,000 over three fiscal years. The first-year cost (FY2024) will be $250,000, the second-year cost (FY2025) will be $250,000, and the third-year cost (FY2026) is anticipated to be $150,000.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Pinellas County Comprehensive Plan obligates the County to protect, enhance, and improve water quality through water quality monitoring, watershed management plan development, implementation of projects, and environmental enforcement. In addition, the County is obligated by the Comprehensive Plan to work to improve flood protection and natural systems. The County has a fertilizer ordinance which restricts using products containing nitrogen or phosphorus during the rainy season with a related sales ban, a pet waste ordinance, and a street sweeping program all designed to reduce nutrient pollution to receiving waters. The County also has adopted a stormwater assessment that collects money to fund surface water programs which includes stormwater maintenance and related public outreach/education programs. In addition, many of our County vehicles are wrapped with stormwater education messages and professional landscape maintenance companies are required to take a BMP training certification course.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	125,000	200,000	325,000
District Share	0	0	125,000	200,000	325,000
Total	**0**	**0**	**250,000**	**400,000**	**650,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Procurement	12/31/23

FY 2024 Cooperative Funding Initative Application Form

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Project Development	5/31/24
Watershed Evaluation	12/31/24
Floodplain Analysis	12/31/25
FPLOS and BMP Alternatives Analysis	9/30/26
SWRA and BMPs for Water Quality	9/30/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Lower Peninsula Stormwater Improvements - Southeast Region

Project Number: Q190

Cooperator: City of Tampa

Contact Person: Ben Allushuski, P.E., CFM

Department:

Address: 306 E. Jackson St 6N

Phone #: 8132743257

City State Zip: Tampa, FL 33602

Ext:

Email: Ben.Allushuski@tampagov.net

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Emergency Flood Response

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

Design, permitting and construction of regional stormwater improvements to serve an area of approximately 550 acres of highly urbanized land in the Lower Peninsula watershed of the City of Tampa. The District required a third party review (TPR) because the conceptual construction estimate was greater than $5 million. District Governing Board approved the results of the TPR at the August 23, 2022 meeting. The FY2024 funding request is to complete construction.

Benefit:

The contractual Measurable Benefit will be the construction of drainage conveyance system BMPs to reduce flooding and improve water
quality in approximately 550 acres of highly-urbanized basin. Construction will be in accordance with the permitted plans. The Resource
Benefit of this project will reduce the existing flooding problem during the 5-year, 8-hour storm event. Severe flooding occurs in the project area along major thoroughfares, evacuation routes, and in residential areas and the project impacts the regional or intermediate drainage system. A Benefit-Cost Analysis was
performed for this project using SWFWMD's spreadsheet tool. The benefit/cost ratio of this project is 0.74 based on a total project cost of
$49,804,633.00.

Cost:

Total project cost: $46,114,634.00 (design, TPR, permitting and construction)
City of Tampa: $33,614,634.00
District: $12,500,000 with $9,267,500 approved in previous years and $3,232,500 requested in FY2024 to complete the project.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Tampa is a CRS Class 5 community. The City of Tampa has numerous codes in place relating to water conservation. The city
has adopted a Flood Damage Control Ordinance as required to participate in the National Flood Insurance Program administered through
FEMA. The City of Tampa also has a Stormwater Assessment Program that includes a Service Assessment and an Improvement Assessment. The Service Assessment has been in existence since 2003 as described in Resolution 2003-937. The Improvement Assessment was adopted in 2016 as described in Resolution 2016-706. The Service Assessment is an annual non-ad valorem assessment
that pays for operations and maintenance of the existing stormwater system. Services include street sweeping, pond maintenance, pipeline
system cleaning, outfall cleaning, ditch maintenance and miscellaneous micro-projects ancillary to maintenance activities. The Improvement Assessment is an annual non-ad valorem assessment that pays for capital improvements associated with the stormwater
system in the City of Tampa. Improvements include system capacity increases, treatment facilities such as ponds, ditches and baffle
boxes, new pipelines and box culverts, pump stations, backflow valves, inlets, curb and gutter systems, as well as roadway

regrading to
improve flow patterns.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	6,035,000	3,232,500	3,232,500	0	12,500,000
District Share	6,035,000	3,232,500	3,232,500	0	12,500,000
Total	**12,070,000**	**6,465,000**	**6,465,000**	**0**	**25,000,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design	11/8/21
Third-Party Review	9/1/22
Begin Construction	12/1/22
End Construction	6/1/25

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Magnolia Valley Storage & Wetland Enhancement

Project Number: N865

Cooperator: Pasco County

Contact Person: David Z. Sua

Department:

Address: 4454 Grand Blvd

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1041

Email: dsua@pascocountyfl.net

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This multi-year flood abatement and water quality improvement project includes design, permitting and construction for storage creation within a defunct golf course owned by the Cooperator, conveyance improvements in the Magnolia Valley residential community as well as the adjacent residential areas which are susceptible to structure and street flooding. The project also involves a wetland slough restoration component. FY 2018 funding for the project addressed development of the 30% design and third party review which were already successfully completed. This application specifically addresses the construction phase of the project and involves major conveyance improvements, regional storage facility construction including wetland slough, excavation and soil management as well as environmental testing and monitoring as construction administration and construction engineering inspections. Engineering design and permitting were completed with FY 2023 and earlier funding cycles.

Benefit:

The benefit cost ratio was computed to be 0.80, using the July 2016 SWFWMD Stormwater Improvement Flood Protection (SIFP) Benefit Cost Analysis Tool, which was the tool used for TPR and 90% design. This project will reduce eight (8) residential structures from flooding in a 100-year, 24-hour event. Approximately 3,572 linear feet of residential roads will be reduced in a mean annual storm event while 7,033 linear feet of roads will no longer flood in a 10-year/24-hour event.

Cost:

Total project cost is $8,495,512.00, which includes: 1. Conveyance Improvements ($3,041,155.00); 2. Regional storage facility construction ($3,396,582.00) that includes excavation & soil management costs and 3. Project Planning/Design/permitting/Engineering, 30% Total Design & TPR costs as well as Construction Administration/CEI ($2,057,775.00). Total project cost will be shared by the cooperator and District on a 50-50 basis.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Pasco County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits. Pasco County adopted Ordinance 01-08 requiring the following: one day/week irrigation restrictions for potable water; curtailed use of potable water for irrigation when rain has occurred within 24 hours; scheduled availability and restricted use of reclaimed water irrigation to distribute limited supply to as many customers as possible; washing of non-business, personal vehicles only using low volume methods and over non-impervious surfaces; prohibiting aesthetic uses of water unless such use also provides a necessary aeration or water quality benefit; and the use of reclaimed water for road construction activities when available. Enforcement of this ordinance is by designated County personnel and law enforcement officers. During Water Year 2017, 100% of Pasco County Utilities' wastewater was reused. Effective October 1, 2018, the bulk rate charged for the use of reclaimed water is $0.33 per 1,000 gallons for customers that have storage capability. All other bulk customers that feed directly off of the system will be charged $0.65 per thousand gallons used. Residential irrigation customers will be billed a flat rate of $15.05 per month. Pasco County's potable water rates are applied in a water conservation inclining block rate. County Ordinance 93-16 requires each new development to construct a reclaimed water distribution system as a condition of wastewater service when the development is within designated areas in the Reclaimed Water Master Plan and when providing the development with reclaimed water supply is determined in the best interest of the County. Pasco County participates in the National Flood Insurance Program, administered through FEMA. All finished floor elevations are required to be above the 100-year flood elevation. These elevations are reviewed prior to construction and certified after construction. Fill Ordinance, adopted in March 2005, requires permit applications and review for placement of fill greater than 5 CY on properties.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	750,000	200,000	3,290,756	7,000	4,247,756
District Share	750,000	200,000	3,290,756	7,000	4,247,756
Total	**1,500,000**	**400,000**	**6,581,512**	**14,000**	**8,495,512**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Bidding, Contractor Selection and Contract Award (10/14/2022 - 07/02/2023)	7/2/23
Construction (07/03/2023 - 12/01/2024)	12/1/24
Construction Engineering Inspections (07/03/2023 - 12/01/2024)	12/1/24
GIS Data, As-Built Survey, Record Drawings & Certificate of Substantial Completion (12/02/2024 - 03/01/2025)	3/1/25

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Old Tampa Bay Watershed Stormwater Quality Improvement Plan

Project Number: Q379

Cooperator: TBEP

Contact Person: Maya Burke

Department:

Address: 263 13th Ave S, Suite 350

Phone #: 7278932765

City State Zip: SAINT PETERSBURG, FL 33701

Ext: 201

Email: mburke@tbep.org

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The purpose of this project is to develop a multi-jurisdictional stormwater quality improvement master plan for the Old Tampa Bay watershed. Old Tampa Bay is a priority sub-watershed of the Tampa Bay estuary. According to aerial surveys completed by the SWFWMD, approximately 4,041 acres of seagrass were lost in that bay segment between 2018 and 2020. Moreover, this bay segment does not consistently meet water quality management targets related to nutrients and chlorophyll-a.

Nonpoint source nitrogen loads to Tampa Bay represent approximately 64% of total nitrogen loads to the estuary. In the Old Tampa Bay segment, an increasing long-term trend in nonpoint source nutrient loading contributes to recent water quality degradation, recurring summertime harmful algal blooms, loss of seagrass coverage, and muck accumulation. These conditions emphasize the need for broad regional cooperation and resource management actions to maintain a proactive, FDEP reasonable assurance determination for the estuary. Prior research conducted jointly by the TBEP and SWFWMD indicated that a 25% gross reduction in nonpoint source nutrient loads would provide significant benefits to key ecological attributes in this portion of Tampa Bay. However, a menu of specific locations and potential BMPs were never identified to help guide local government management actions to implement the nonpoint source nutrient load reduction identified using the Old Tampa Bay Integrated Ecosystem Model.

The Old Tampa Bay Watershed Stormwater Quality Improvement Plan will build on previous research by identifying where stormwater controls could practically and realistically be implemented to achieve a 25% total nitrogen load reduction within the Old Tampa Bay watershed. A consensus-based approach will be used to prioritize those land acquisition, habitat enhancement, and/or urban stormwater management activities (including street sweeping, innovative treatment trains, regional treatment facilities, etc.) that would provide the greatest nitrogen load reduction benefit for the least cost. Technical support contractor(s) will be selected through a competitive bid process. Data collection and evaluation activities will include developing or updating hydraulic/hydrologic modeling, water quality modeling, engineering and drainage design, topographic surveying, geotechnical services, field data collection (including biological, sediment and water quality), ecological evaluations, and statistical and spatial analysis within the defined study area. The plan will recommend BMPs to improve water quality (plus drainage and natural habitats), provide cost estimates, and develop conceptual design plans for prioritized projects in coordination with local government stakeholders (including representatives from Pasco, Pinellas, Hillsborough counties and the cities of Clearwater, Tampa, St. Petersburg, Oldsmar, Safety Harbor, and Largo) within the sub-watershed.

This project addresses priorities identified in the Tampa Bay SWIM Plan (draft) and in the 2022 Strategic Plan to develop and implement water quality projects to reduce nutrient loading and address seagrass losses in Tampa Bay, a District priority waterbody. This project may benefit several new and existing watershed management plans (e.g. Safety Harbor, Oldsmar). The SWFWMD 2022 Strategic Plan also highlights the critical role played by the District in supporting the research, stormwater treatment, regulation, and environmental restoration projects necessary for the successful restoration of Tampa Bay. Support for this project will ensure progress made as a result of these past investments will not be undone.

Benefit:

Once completely implemented, this project aims to reduce total nitrogen loading to Old Tampa Bay by ~90 tons/year. The plan will identify specific, place-based stormwater controls to achieve a 25% total nitrogen load reduction from current stormwater loads originating from the Old Tampa Bay watershed.

Cost:

The total cost to develop the Old Tampa Bay Watershed Stormwater Quality Improvement Plan is $1,500,000. TBEP is requesting $375,000 from the District in FY2024. TBEP will provide matching funds totaling $375,000. Costs will cover data collection,

conceptual design, cost estimation, stakeholder engagement, and reporting activities. Future funding (~$12M) to support implementation of projects identified in the plan have been requested from RESTORE FDEP FPL3b and may be earmarked within the TBEP NEP BIL appropriation.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Comprehensive Conservation and Management Plan for Tampa Bay (CCMP) includes measurable goals and strategic initiatives for Tampa Bay and its contributing watersheds that are consistent with the water conservation, water quality, and flood protection priorities of the SWFWMD. The CCMP is approved by federal, state and local governments (including SWFWMD) and lays out a detailed road map for the funding and implementation of Tampa Bay restoration and recovery projects.

Actions to improve water quality include, but are not limited to:
Implement the Tampa Bay nutrient management strategy (WQ-1); Reduce the frequency and duration of harmful algal blooms (WQ-3); Reduce nitrogen runoff from urban landscapes (SW-1); Expand adoption and implementation of agricultural BMPs (SW-8); Expand the use of green infrastructure practices (SW-10).

Actions to support water conservation include, but are not limited to:
Expand the beneficial use of reclaimed water (WW-1); Maintain seasonal freshwater flows in rivers (FI-1); Promote public education about key issues affecting the bay (PE-2).

Actions to address flood protection include, but are not limited to:
Enhance the ecosystem values of tidal tributaries (BH-9); Incorporate CCMP goals/actions into local government comprehensive plans, land development regulations, or ordinances (LI-1).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	375,000	0	375,000
District Share	0	0	375,000	0	375,000
RESTORE FDEP FPL3b (Requested)	0	0	750,000	12,000,000	12,750,000
Total	**0**	**0**	**1,500,000**	**12,000,000**	**13,500,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Advertise Request for Proposals	10/30/23
Contractor Selection and Award	2/15/24
Notice to Proceed Issued to Contractor(s)	3/1/24
Data Collection and Evaluation (Modeling, Mapping)	12/31/24
Draft Report (Conceptual Designs and Cost Estimates)	6/30/25
Stakeholder Engagement	8/30/25
Final Report	10/15/25

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Sea Pines Neighborhood Flood Abatement

Project Number: N850

Cooperator: Pasco County

Contact Person: Donald Carey

Department:

Address: 4454 Grand Blvd.

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1035

Email: dcarey@pascocountyfl.net

Project Type:

Flood Protection

Strategic Initiatives:

Floodplain Management

Project Description/Benefit/Cost

Description:

Land acquisition, design, permitting, and construction of a new and upgraded stormwater conveyance systems and storage ponds within the Sea Pines neighborhood in western Pasco County.

Benefit:

The contractual Measurable Benefit will be the design, permitting and construction of stormwater conveyance and storage systems within the Sea Pines neighborhood. Construction will be in accordance with the permitted plans.

Cost:

Total project cost after TPR: $7,040,318 (land acquisition, design, TPR, permitting, and construction)
Pasco County: $5,390,31; District: $1,650,000 with $850,000 budgeted in previous

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Pasco County's reclaimed water system includes metering and incentive-based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits. Pasco County adopted Ordinance 01-08 requiring the following: one day/week irrigation restrictions for potable water; curtailed use of potable water for irrigation when rain has occurred within 24 hours; scheduled availability and restricted use of reclaimed water irrigation to distribute limited supply to as many customers as possible; washing of non-business, personal vehicles only using low volume methods and over non-impervious surfaces; prohibiting aesthetic uses of water unless such use also provides a necessary aeration or water quality benefit; and the use of reclaimed water for road construction activities when available. Enforcement of this ordinance is by designated County personnel and law enforcement officers. During Water Year 2019, 100% of Pasco County Utilities' wastewater was reused. Effective October 1, 2019, the bulk rate charged for the use of reclaimed water is $0.34 per 1,000 gallons for customers that have storage capability. All other bulk customers that feed directly off of the system will be charged $0.68 per thousand gallons used. Residential irrigation customers will be billed a flat rate of $10.37 per month. Pasco County's potable water rates are applied in a water conservation inclining block rate. County Ordinance 93-16 requires each new development to construct a reclaimed water distribution system as a condition of wastewater service when the development is within designated areas in the Reclaimed Water Master Plan and when providing the development with reclaimed water supply is determined in the best interest of the County. Pasco County participates in the National Flood Insurance Program, administered through FEMA. All finished floor elevations are required to be one foot above the 100-year flood elevation. These elevations are reviewed prior to construction and certified after construction. Fill Ordinance, adopted in March 2005, requires permit applications and review for placement of fill greater than 5 CY on properties.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	850,000	0	4,540,318	0	5,390,318
District Share	850,000	0	800,000	0	1,650,000
Total	**1,700,000**	**0**	**5,340,318**	**0**	**7,040,318**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Final Design	7/31/23
Permitting	10/31/23
Bidding	7/31/24
Construction	10/31/25
As-Built	1/31/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Southeast Seminole Heights Flood Relief

Project Number: N949

Cooperator: City of Tampa

Contact Person: Ben Allushuski, P.E., CFM

Department:

Address: 306 E Jackson St 6N

Phone #: 8132743257

City State Zip: Tampa, FL 33602

Ext:

Email: ben.allushuski@tampagov.net

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Emergency Flood Response

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

Design, permitting, and construction of regional stormwater improvements to serve an area of approximately 870 acres of urban environment discharging into the Hillsborough River south of the Hillsborough River Dam in the Southeast Seminole Heights area of the City of Tampa. The City's intent is to construct and implement several flood relief efforts in the watershed to alleviate frequent and dangerous flooding on critical evacuation routes and in residential neighborhoods. These flood relief efforts include upsizing existing pipes, installing high capacity trunklines, and adding stormwater treatment systems for water quality purposes. Funding was approved in FY2019 for 30% design and third-party review (TPR). At the July 27, 2021 meeting, the Governing Board approved moving forward with this project after the TPR. The FY2024 funding request is to complete construction.

Benefit:

The contractual Measurable Benefit will be the design, permitting, and construction of drainage conveyance system BMPs to reduce flooding in a highly urbanized basin of approximately 870 acres. Construction will be in accordance with permitted plans. The Resource Benefit of this project will reduce the existing flooding problem during the design storm
event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. There will also be ancillary water quality benefits along with the flood protection benefits.

Cost:

Total project cost: $31,540,049.00 (design, third party review, permitting and construction). City of Tampa: $15,770,025.00. District:
$15,770,024.00 with $14,770,024.00 approved in previous years, and $1,000,000 requested in FY2024 to complete the project. The Benefit-Cost Ratio for this project is 0.77 based on a total project cost of $31,540,049.00.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Tampa is a CRS Class 5 community. The City of Tampa has numerous codes in place relating to water conservation. The
city has adopted a Flood Damage Control Ordinance as required to participate in the National Flood Insurance Program administered
through FEMA. The City of Tampa also has a Stormwater Assessment Program that includes a Service Assessment and an Improvement Assessment. The Service Assessment has been in existence since 2003 as described in Resolution 2003-937. The Improvement Assessment was adopted in 2016 as described in
Resolution 2016-706. The Service Assessment is an annual non-ad valorem assessment that pays for operations and maintenance of the
existing stormwater system. Services include street sweeping, pond maintenance, pipeline system cleaning, outfall cleaning, ditch maintenance and miscellaneous micro-projects ancillary to maintenance activities. The Improvement Assessment is an annual non-ad
valorem assessment that pays for capital improvements associated with the stormwater system in the City of Tampa. Improvements

include system capacity increases, treatment facilities such as ponds, ditches and baffle boxes, new pipelines and box culverts, pump
stations, backflow valves, inlets, curb and gutter systems, as well as roadway regrading to improve flow patterns.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	11,500,000	3,270,025	1,000,000	0	15,770,025
District Share	11,500,000	3,270,024	1,000,000	0	15,770,024
Total	**23,000,000**	**6,540,049**	**2,000,000**	**0**	**31,540,049**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

30 Percent Design Package	8/17/20
Third-Party Review	4/1/21
Design	7/30/21
Permitting	12/15/21
Construction and Construction Engineering & Inspection (CEI)	5/1/24
As-Built Survey, Record Drawings and Substantial Completion	6/1/24
Construction and Construction Engineering & Inspection (CEI)	11/30/24
As-Built Survey, Record Drawings and Substantial Completion	12/31/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Southern Hillsborough County Supply Expansion: Pipeline

Project Number: Q241

Cooperator: Tampa Bay Water

Contact Person: Eliana Lara

Department:

Address: 2575 Enterprise Road

Phone #: 8139294570

City State Zip: Clearwater, FL 33763

Ext: 4570

Email: elara@tampabaywater.org

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Regional Water Supply Planning

Project Description/Benefit/Cost

Description:

The Southern Hillsborough County Pipeline project will supply additional alternative water from Tampa Bay Water's High Service Pump Station to Hillsborough County. This project is a new asset consisting of a 66-inch diameter pipeline. The pipeline will be approximately 26 miles in total length with one delivery location at the County's Lithia Water Treatment Plant, and a second delivery at a new Point of Connection south of the Lithia Water Treatment Plant. The purpose of this project is two-fold; 1) it address hydraulic constraints which currently hinder Tampa Bay Water's ability to deliver additional quantities of existing alternative supplies to southern Hillsborough County whose demands are increasing at a faster rate than other parts of the region. Southern Hillsborough County's demands will exceed
system's hydraulic capacity by 2028 (the District is currently co-funding the Southern Hillsborough County Supply Expansion: Booster Station Project for which Tampa Bay Water requested funds starting in FY2021. The Booster Station Project will address the more immediate hydraulic needs of the system needed to supply alternative water to Hillsborough County by 2024, at which time the demand would exceed the system hydraulic capacity); and 2) to allow for delivery of future alternative supplies, up to additional 65 mgd, from the regional system to southern Hillsborough County as Tampa Bay Water expands existing facilities in order to meet regional demands over the 2040 planning horizon. Tampa Bay Water and Hillsborough County have entered in a Memorandum of Understanding for this project that includes a capital funding agreement that will be executed between Hillsborough County and Tampa Bay Water for an approximate 10 mile portion of the pipeline between Lithia Water Treatment Plant and the new point of delivery in southern Hillsborough County. When completed, the project will be able to provide additional 65 mgd of new supply to Hillsborough County.

Benefit:

This project will have the benefit of increasing capacity by 65 mgd in order to deliver alternative supply to southern Hillsborough County. This portion of the County is experiencing growth faster than other Tampa Bay region, and as such, will need additional supply capacity by 2028. This project will ensure that the available regional supplies are delivered to southern Hillsborough County before the demand surpasses available supply.

Cost:

The total cost of this project (not including land acquisition related costs) is $290,108,000. Costs related to the feasibility work done prior to FY22 co-funding time-frame are not included in the requested amount.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Tampa Bay Water uses a complex model to optimize and balance use of its existing supplies, which considers the impact on the environment, water quality, and reliability of the source water while meeting the overall system demands. Potential new supplies are incorporated into the model to evaluate the ability of the new supplies to meet future system demands while balancing the usage of Tampa Bay Water's existing sources. The model provides Tampa Bay Water with an effective tool for assessing and utilizing its existing and future water sources. Conservation is an important element of Tampa Bay Water's regional water supply. Tampa Bay Water plans and coordinates conservation programming in the Tampa Bay region through its Demand Management Program. Member governments are responsible for implementing programs that quantifiably reduce water demand. Due to the successful conservation planning and implementation efforts by Tampa Bay Water and its members, the per capita use rate of approximately 100 gpcpd in the Tampa Bay region is significantly lower than the State average and exceeds District goals. Tampa Bay Water supports local government conservation programs by funding programs quantifying water conservation potential and cost, providing region-wide educational and marketing programs, and various research and development-based programs. Tampa Bay Water worked with its member governments in creating model irrigation and landscape ordinance language that was adopted

by most members, has evaluated implementation of those ordinances, and is working with members to increase ease and effectiveness of implementation. Tampa Bay Water is a wholesale drinking water provider to our member governments and has no regulatory purview of any kind. Flood protection ordinances fall under the purview of the members and are implemented by them. Tampa Bay Water continues to seek better ways of serving its customers and protecting the environment. In addition to comprehensive hydrologic and environmental monitoring at Tampa Bay Water facilities, technologies employed include the Optimized Regional Operations Plan (OROP), short term and long-term demand forecasting, and surface water forecasting methods to ensure that we keep pace with our member government demands, react quickly to changed conditions, and manage our facilities for the protection of the environment and the benefit of our customers.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	4,459,207	2,900,000	5,000,000	132,694,793	145,054,000
District Share	4,459,207	2,900,000	5,000,000	132,694,793	145,054,000
Total	**8,918,414**	**5,800,000**	**10,000,000**	**265,389,586**	**290,108,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

30% Design	2/15/23
Third Party Review	9/28/23
Complete Design	4/21/25
Bidding	2/16/26
Construction	11/2/28
Closeout	2/19/29

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: St. Petersburg Sensible Sprinkling Program, Phase 11

Project Number: Q387

Cooperator: City of St. Petersburg

Contact Person: +Chris Claus

Department:

Address: 1650 3rd Ave. No.

Phone #: 7278925688

City State Zip: St. Petersburg, FL 33713

Ext:

Email: chris.claus@stpete.org

Project Type:

Water Supply

Strategic Initiatives:

Conservation

Project Description/Benefit/Cost

Description:

The City of St. Petersburg is proposing the continuance of an outdoor water conservation education and irrigation evaluation project that will educate customers who use potable, private well, and reclaimed water regarding on-site irrigation system modifications that can maximize watering efficiency. The 2024 project will be the twenty-third year of this ongoing effort and is expected to provide 300 irrigation system evaluations and installation of 300 rain sensors at no cost to the customer. A qualified irrigation contractor will be hired to perform evaluations and sensor installations. Project participants will receive a sprinkler system evaluation report with site-specific recommendations, rain sensor installation if an operable sensor is not present, an automatic-shutoff hose nozzle, and educational materials about water wise and Florida-friendly landscape design and maintenance.

Benefit:

To date, over 3,150 evaluations and 2,800 rain sensor installations have been performed as part of this project in order to improve outdoor water use efficiency. The water savings, nutrient runoff minimization and other results of this program will help protect natural systems and water quality, minimize flooding potential, and conserve water supplies. Irrigation systems utilizing reclaimed or private well water have been included in this program to encourage conservative practices and prevent over-utilization of these resources, thereby increasing water resource availability to additional customers. This project affects the entire Tampa Bay region since water savings in St. Petersburg has a positive effect on regional water supplies and assists in protection of natural systems.

Cost:

Using the SWFWMD MS Excel Calculator "How to Calculate Water Savings and Cost Effectiveness", daily water savings is estimated to be 55,000 gallons, equating to an annual water savings of over 20 million gallons. Utilizing the District's methodology, the overall cost effectiveness of this rebate project is $2.12 per thousand gallons saved, and is expected to save over 100 million gallons over the next 5 years.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

St. Petersburg City Administration has been proactive in the development of ordinances vital to achieving the desired objectives of protecting water quality and management of water resources and flood protection. The City’s Comprehensive Plan includes policies that require the Water Resources Department to develop and implement water conservation initiatives. Since 1989, these initiatives have helped reduce the City’s average yearly water demand from a high of 41 mgd to a low of 26.9 mgd in 2021 (a thirty-four percent reduction). Watering restrictions for the use of potable, well and surface waters have been established through City Ordinance. A Water Efficient Landscape Ordinance (Chapter 16) was adopted by City Council in 2002. In 1985, the City established a water-conserving rate structure, as required by the City’s Comprehensive Plan. This rate structure triggers the cost of water to become increasingly more expensive during months of increased demand. As an additional conservation incentive, sanitary sewer rates are based on water usage with no outdoor water use cutoff. In 2009, a fifth tier was added to the water conserving block rate structure for single family residential customers using over 20,000 gallons of water per month; this highest tier is intended to send a price signal to customers who use potable water for more than the typical domestic uses. In fiscal year 2020, St. Petersburg developed and enacted a stormwater tiered rate structure based on total amount of impervious surfaces on a property and created the Rainwater Rebate Program to provide education and incentives to stormwater customers who install rainwater catchment devices on their properties to reduce and naturally treat stormwater runoff.

The St. Petersburg Stormwater Management Master Plan also addresses level of service criteria and serves as the guide document for City ordinances and pending drainage improvements within the City. Ordinance No. 2017-F and 147-G regulates the control and management of drainage and surface waters in harmony with the City Comprehensive Plan and SWFWMD

regulations. Water pollution protection is provided by Chapter 11, Section 2 of City Code, which identifies unlawful discharges into the public drainage system and provides for prosecution of violators. The City participates in the National Flood Insurance Program (NFIP). In order to qualify for the program, the City adopted and enforces Article VII Flood Damage Prevention (City Code 16.30.040 through 16.40.060.4.5), to regulate development in the flood hazard areas.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	604,336	0	50,000	0	654,336
District Share	561,300	0	50,000	0	611,300
Total	**1,165,636**	**0**	**100,000**	**0**	**1,265,636**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Irrigation Evaluation Period Starts	10/3/22
Program Promotion and Education Starts	10/3/22
Savings Analysis Starts	10/3/22
Follow-up Evaluations Starts	12/5/22
Irrigation Evaluation Period Ends	9/29/23
Follow-up Evaluations Ends	11/30/23
Program Promotion and Education Ends	11/30/23
Savings Analysis Ends	9/30/24
Draft Final Report Due	12/31/24
Final Report Due	3/31/25

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: SW-1094; Lafitte Drive

Project Number: Q225

Cooperator: Pasco County

Contact Person: Donald Carey

Department:

Address: 4454 Grand Blvd

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1035

Email: dcarey@pascocountyfl.net

Project Type:

Flood Protection

Strategic Initiatives:

Floodplain Management

Project Description/Benefit/Cost

Description:

Design, permitting, and construction of flood protection best management practices (BMPs) in the vicinity of Lafitte Dr. in the Sea Pines Community, located within the Hammock Creek Watershed in Pasco County. Requested FY2022 funds would be used for design.

Benefit:

The contractual Measurable Benefit will be the design, permitting and construction of stormwater BMPs. Construction will be done in accordance with permitted plans.

Cost:

Total Project Cost: $3,762,834 (land acquisition, design, permitting, and construction) Pasco County: $1,881,417 (includes $250,000 of land acquisition costs as funding match) District: $1,881,417 with $250,000 requested in FY2022 and $1,631,417 anticipated to be requested in future years.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Pasco County's reclaimed water system includes metering and incentive-based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits. Pasco County adopted Ordinance 01-08 requiring the following: one day/week irrigation restrictions for potable water; curtailed use of potable water for irrigation when rain has occurred within 24 hours; scheduled availability and restricted use of reclaimed water irrigation to distribute limited supply to as many customers as possible; washing of non-business, personal vehicles only using low volume methods and over non-impervious surfaces; prohibiting aesthetic uses of water unless such use also provides a necessary aeration or water quality benefit; and the use of reclaimed water for road construction activities when available. Enforcement of this ordinance is by designated County personnel and law enforcement officers. During Water Year 2019, 100% of Pasco County Utilities' wastewater was reused. Effective October 1, 2019, the bulk rate charged for the use of reclaimed water is $0.34 per 1,000 gallons for customers that have storage capability. All other bulk customers that feed directly off of the system will be charged $0.68 per thousand gallons used. Residential irrigation customers will be billed a flat rate of $10.37 per month. Pasco County's potable water rates are applied in a water conservation inclining block rate. County Ordinance 93-16 requires each new development to construct a reclaimed water distribution system as a condition of wastewater service when the development is within designated areas in the Reclaimed Water Master Plan and when providing the development with reclaimed water supply is determined in the best interest of the County. Pasco County participates in the National Flood Insurance Program, administered through FEMA. All finished floor elevations are required to be one foot above the 100-year flood elevation. These elevations are reviewed prior to construction and certified after construction. Fill Ordinance, adopted in March 2005, requires permit applications and review for placement of fill greater than 5 CY on properties.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	250,000	0	1,631,417	0	1,881,417
District Share	250,000	0	1,631,417	0	1,881,417
Total	**500,000**	**0**	**3,262,834**	**0**	**3,762,834**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design Completion	9/29/23
Permit Acquisition	12/29/23
Construction Initiation	10/1/24
Construction Completion	1/30/26
As-Built Completion	4/30/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: SWWRF-Facility Planning and Implementation

Project Number: Q389

Cooperator: City of St. Petersburg

Contact Person: Angela Miller

Department:

Address: 175 5th St N

Phone #: 7278937279

City State Zip: St. Petersburg, FL 33701

Ext:

Email: angela.miller@stpete.org

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The intent of this project is to competitively select a single Consultant/Engineering team in accordance with CCNA rules to complete the Facility Planning for the City of St. Petersburg Southwest Water Reclamation Facility (SWWRF). The Facility Plan will focus on evaluating nutrient reduction treatment processes for the SWWRF as recommended in St. Pete's Water Plan. The SWWRF Facility Plan will also include a full assessment of all processes, consider long-term site resiliency as sea-level rise continues, and layout a plan with recommended CIP budgets and schedules for implementing the identified projects.
The SWWRF was originally placed in service in the 1950s and received a major upgrade in 2017-2019 which focused on increasing hydraulic capacity to reduce sanitary sewer overflows during wet weather events. The current wastewater treatment process at SWWRF removes CBOD and TSS but does not reduce Total Nitrogen (TN). Approximately 48% of the City's reclaimed water (RCW) is distributed from the SWWRF and the TN in the RCW pumped to the distribution system averages 28.0 mg/L. Excess RCW is disposed of in injection wells since none of the City's three WRFs have direct surface water discharges.
As a member of the Tampa Bay Nitrogen Management Consortium, the City has a nitrogen loading allocation under the Reasonable Assurance Plan (RA) which limits the amount of reclaimed water that can be distributed for irrigation purposes due to the high nitrogen concentrations. Because of this, the City is not able to plan for any RCW distribution system expansions. The City envisions completing this project in multiple phases, the first phase is the Facility Planning with future phases focused on project design, construction and implementation.

Benefit:

The benefit of this project is the implementation of total nitrogen reduction in the reclaimed water distributed from the SWWRF which will allow the City to consider future RCW distribution system expansion to off-set potable water use and reduce the indirect nitrogen loading to Tampa Bay caused by RCW run-off from irrigation systems. Currently SWWRF distributes approximately 48% of the City's RCW and based on nutrient load calculations performed by HDR as part of the facility plan development for our Northeast Wastewater Treatment Facility (NEWRF), the SWWRF total nitrogen concentration based on 2021 averages is 28 mg/L. With an average reclaimed water flow of 14.6 MGD this translates into a total nitrogen load of 622 tons/year, which is the highest load of all three of the City's WRFs. Reducing the TN concentration in the RCW to 10 mg/L will reduce the nitrogen loading to 222 tons/year, a 64% reduction in TN loading from this facility.
Currently, the City utilizes approximately 59% of the RCW produced are the three WRFs indicating additional RCW is available for distribution depending on the season. Expanding the reclaimed water distribution system, although not part of this project, to the extent technically and economically feasible is a high priority objective of the City as noted in St. Pete's Water Plan.
This project aligns with the SWFWMDs Strategic Initiative for Water Quality Maintenance and Improvement and the Governor's Executive Order 19-12 to help address harmful algal blooms by reducing the nitrogen load in the reclaimed water. The reduction of total nitrogen in the reclaimed water also aligns with Tampa Bay's Regional Priorities and Objectives to improve water quality in Tampa Bay.

Cost:

The Facility Plan, which is Phase 1, has $900,000 budgeted for FY24. An additional $33 million for various potential projects have been allocated in FY25-29 of the City's CIP budget. The exact projects and the implementation schedule will be established in the Facility Plan and the CIP budget updated to correspond with the plan.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of St. Petersburg City is currently working with HDR (Project No 21062-111) to provide planning, Envision framework development, preliminary design, detailed design, bidding and construction phase services for the NEWRF. The scope of work for

this project is to develop a facility plan and programmatic Envision process for the NEWRF with the goal of developing needed projects over the next 20-year planning horizon to meet current and future capacity and regulatory needs. This project is part of the City's implantation of the IWRMP recommendations for improving the City's water infrastructure to meet future needs. This project includes replacing aging assets, increasing hydraulic and treatment capacity, addressing climate risks and natural hazards, and complying with regulatory requirements including the potential for more stringent water quality criteria in the future. This project includes a Condition Assessment of Existing Facilities TM, Basis of Planning and Design Criteria TM , Data Collection and Review Summary TM, Nutrient Removal Alternatives and Evaluation TM, Regulatory Review TM, Level of Service and Basis of Design Criteria TM.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	475,000	0	475,000
District Share	0	0	475,000	0	475,000
Total	**0**	**0**	**950,000**	**0**	**950,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

RFQ Development	12/30/22
CCNA Selection	5/9/23
Scope Negotiations	9/6/23
Council Approval	10/6/23
Facility Plan	9/4/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: TAMPA WATER DISTRIBUTION SYSTEM IMPROVEMENTS

Project Number: Q390

Cooperator: City of Tampa

Contact Person: Uchechi Akabogu

Department:

Address: 4900 W Lemon Street

Phone #: 8132748197

City State Zip: Tampa, FL 33609

Ext:

Email: Uchechi.Akabogu@Tampagov.net

Project Type:

Water Supply

Strategic Initiatives:

Conservation

Project Description/Benefit/Cost

Description:

The City of Tampa water supply system spans 2,160 miles of distribution pipelines. However, approximately 2 percent of the pipelines are dead ends, and coupled with seasonal use, require frequent flushing to maintain the required water quality. The City maintains 2mg/l chlorine residual to avoid nitrification within the distribution system.
The City has identified the following areas in the distribution system (with highest flushing volume and frequency) where looping the dead ends will improve the water quality and eliminate the system flushing.
Project [Descriptions]
Sherill Project [Along Sherill Ave street, installation of 700 LF of 2” HDPE pipe, eliminating 4 dead-ends (6601 Juanita St and 6602 S Kissimmee St)]
N 60th St [Installation of 270 LF of 8” DIP pipe]
Marigold Ave [Installation of 340 LF of 6” DIP pipe]
W Juneau St [Along Juneau St, installation of 350 LF of 2” PVC pipe, eliminating 2 dead-ends (2111 W Juneau St, 8311 N Albany Ave)]
E Elm St [Installation of 30 LF of 2” PVC pipe]
E Paris St [Installation of 30 LF of 4” DIP pipe]

Benefit:

The proposed dead-end looping will eliminate the need for water quality flushing, conserving about 99,315 gallons per day while maintain the chlorine residual in the system

Cost:

The cost-benefit for all the above project areas is at a medium cost-effectiveness level with an anticipated project cost of $400,000.00

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Tampa water department has an extensive, multi-faceted conservation program encompassing the policy, operational and programmatic measures. These measures include tiered rate structure, landscape/irrigation ordinance, enforcement, reuse water program, and the extensive metering program not limited to raw and finished water metering, meter testing, calibration, repair, and replacement programs.
The City’s outreach program is a year-round effort to inform our customers to conserve and protect water. This ongoing effort included providing free retrofit kits to its account holders. The Retrofit Kit contains a low-flow showerhead, bathroom aerators, kitchen aerator, plumber’s tape, leak detection dye tablets, installation instructions, the most recent Water Quality Report, information brochures, and material to check for leakages, thus conserving water. The TWD also provides rain sensors to customers upon request at no charge to replace a non-working sensor or to complete an initial installation. The TWD is partnering with Tampa Bay Water to participate in a Tampa Bay Water Wise rebate program to promote evapotranspiration (ET) controllers and soil moisture sensing equipment to residential customers.
The TWD purchases and publishes various brochures and other literature promoting water conservation and water use efficiency. Brochures provide information on water conservation issues, such as efficient irrigation, irrigation with reclaimed water, leak detection and repair, and indoor water conservation. In FY2019, the TWD also participated in 80 events at community locations in our service area and completed two community “walk-arounds,” which included door knocks to distribute water conservation information and water-saving devices. The TWD also maintains a 24-hour, 7-day-a-week water conservation hotline that provides customers with current information regarding water use restrictions.

FY 2024 Cooperative Funding Initative Application Form

In addition to the available brochures, the TWD maintains a website presence that features water conservation and water efficiency information, several interactive tools to assist with the leak, irrigation management, and social marketing tools to reach the broadest possible audience within its service area.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	200,000	0	200,000
District Share	0	0	200,000	0	200,000
Total	**0**	**0**	**400,000**	**0**	**400,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Bid construction	1/1/24
Select Contractor	2/1/24
Begin Construction	3/1/24
Complete Construction	12/27/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Trout Creek Watershed Management Plan Update

Project Number: Q391

Cooperator: Pasco County

Contact Person: David Z. Sua

Department:

Address: 4454 Grand Blvd.

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1041

Email: dsua@pascocountyfl.net

Project Type:

Flood Protection

Strategic Initiatives:

Floodplain Management

Project Description/Benefit/Cost

Description:

The Pasco County area of the Trout Creek Watershed covers approximately 35 square miles. The last management plan for the watershed dates back to 2012 which came after an earlier 2009 study of the watershed. The watershed has experienced and is continuing to experience much growth and development including significant residential and commercial development that affect the volume runoff and movement through the watershed. New as-built drawings reflecting permitted developments are now available and the 2018 Digital Elevation Models for the County are now available that will allow for better depiction of topographic changes in the watershed. New Hydrologic & Hydraulic Modeling methods have also been developed to better depict rainfall and runoff process and conveyance through the watershed. The project will include the following: Project Development, Watershed Evaluation, Floodplain Analysis, Level of Service Analysis and BMP Alternatives Analysis. The analyses will include current LiDAR, updated land form and land use coverages, more rigorous and current Hydrologic and Hydrologic modeling methods and ArcGIS tools, as well as updating of drainage basin boundaries and resulting runoff patterns as may be related to rainfall amounts, , that have occurred since the last study of the watershed. Updated land use coverages based on local, state and other regulatory permits will be used.

Benefit:

The project will result in better floodplain management and establishment of more accurate base flood elevations for structure flood protection involving new development in the watershed. This will positively improve the County's Community Rating System and help lower flood insurance rates for citizens. Cose-effective BMP recommendations from the WMP may result in future Capital Improvement Projects to alleviate flooding for citizens in the Trout Creek Watershed.

Cost:

The project is estimated to cost $770,000.00, to be equally shared by the SWFWMD and Pasco County.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Pasco County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits. Pasco County adopted Ordinance 01-08 requiring the following: one day/week irrigation restrictions for potable water; curtailed use of potable water for irrigation when rain has occurred within 24 hours; scheduled availability and restricted use of reclaimed water irrigation to distribute limited supply to as many customers as possible; washing of non-business, personal vehicles only using low volume methods and over non-impervious surfaces; prohibiting aesthetic uses of water unless such use also provides a necessary aeration or water quality benefit; and the use of reclaimed water for road construction activities when available. Enforcement of this ordinance is by designated County personnel and law enforcement officers. During Water Year 2017, 100% of Pasco County Utilities' wastewater was reused. Effective October 1, 2018, the bulk rate charged for the use of reclaimed water is $0.33 per 1,000 gallons for customers that have storage capability. All other bulk customers that feed directly off of the system will be charged $0.65 per thousand gallons used. Residential irrigation customers will be billed a flat rate of $15.05 per month. Pasco County's potable water rates are applied in a water conservation inclining block rate. County Ordinance 93-16 requires each new development to construct a reclaimed water distribution system as a condition of wastewater service when the development is within designated areas in the Reclaimed Water Master Plan and when providing the development with reclaimed water supply is determined in the best interest of the County. Pasco County participates in the National Flood Insurance Program, administered through FEMA. All finished floor elevations are required to be above the 100-year flood elevation. These elevations are reviewed prior to construction and certified after construction. Fill Ordinance, adopted in March 2005, requires permit applications and review for placement of fill greater than 5 CY on properties.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	90,000	295,000	385,000
District Share	0	0	90,000	295,000	385,000
Total	**0**	**0**	**180,000**	**590,000**	**770,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Project Evaluation (10/01/2023 to 02/01/2024)	2/28/24
Watershed Evaluation (03/01/2024 to 06/01/2025)	6/1/25
Floodplain Analysis (07/01/2025 to 08/30/2026)	8/30/26
Level of Service Analysis (09/01/2026 to 02/02/2027)	2/2/27
BMP Alternatives Analysis 02/02/2027 to 06/30/2028)	6/30/28

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA.