

Fiscal Year 2026
Cooperative Funding Initiative Applications
Tampa Bay Region

Stewart Middle Magnet School Shoreline Restoration Project

Managed by:
The Southwest Florida Water Management District
Surface Water Improvement and Management (SWIM) Program

Funded by:
The Southwest Florida Water Management District SWIM Program
The Hillsborough River Basin Board of the Southwest Florida Water Management District
Hillsborough County Public Schools

The Pinellas County Environmental Fund Partners –
Pinellas County and the National Oceanic and Atmospheric Administration

Designed by: Ecosphere Restoration Institute, Inc. Constructed by: SWFWMD Operations Department

Southwest Florida Water Management District
Hillsborough County



Project Name	Project Number	District Funding Requested
Demand Management Plan Implementation - Phase 6	Q414	\$2,421,700
Baypointe Stormwater Conservation Area	Q416	\$1,000,000
Southern Hillsborough County Supply Expansion: Pipeline	Q241	\$145,054,000
Magnolia Valley Storage and Wetland Enhancement - N865	N865	\$4,488,450
Sea Pines Neighborhood Flood Abatement - N850	N850	\$1,650,000
SW-1094; Lafitte Drive - Q225	Q225	\$1,881,417
Citywide Watershed Master Plan – BMP Alternatives Analysis and Preliminary Engineering Report	Q418	\$750,000
Plant City Potable Reuse Facility	Q424	\$130,000,000
Shady Hills Energy Center Reuse Project - Reuse Storage and Transport	Q426	\$2,290,837
Phase 1 Pinellas County Real Time Flood Forecasting	Q431	\$557,500
FY2026 Tampa Bay Environmental Restoration Fund	W024	\$350,000
Overall Total		\$290,443,904

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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Project Name: Demand Management Plan Implementation - Phase 6

Project Number: Q414

Cooperator: Tampa Bay Water

Contact Person: Amelia Brown

Department: Tampa Bay Water

Address: 2575 Enterprise Rd.

Phone #: 8137436417

City State Zip: Clearwater, FL 33763

Ext:

Email: abrown@tampabaywater.org

Project Type:

Water Supply

Strategic Initiatives:

Conservation

Project Description/Benefit/Cost

Description:

Tampa Bay Water provides drinking water to six member governments: the counties of Hillsborough, Pasco and Pinellas, and the cities of New Port Richey, St. Petersburg and Tampa. These member governments in turn provide drinking water to about 2.6 million people. Water supplies include groundwater, surface water, and desalinated water. In anticipation of the population growth over the next ten years, the agency has decided to pursue the expansion of the Tampa Bay Regional Surface Water Treatment Plant and has also invested in demand-side water efficiency programs to meet the growing demand for water in the region.

In March 2020, Tampa Bay Water (agency) launched the regional water conservation rebate program called Tampa Bay Water Wise in coordination with its members, and with support from the District's Cooperative Funding Initiative. The program is managed by the agency and guided by a Working Group comprised of staff from all six member governments and the District. EGIA was retained as the third-party administrator for this program. EGIA processes the rebates, manages the website and manages the marketing. Outreach and promotional activities are conducted by the program's outreach managers (2.25 full time equivalent employees), and marketing tactics also include in-store signage, utility bill stuffers, social media, e-newsletters, digital ads and search engine optimization.

Lastly, each year the true water savings from the program are determined through water bill analyses for each rebate type issued. This improves our assumed water saving estimates, and we use this information to help us evaluate the cost-effectiveness of the program.

As proposed herein, 20 rebate types would be offered. They are:

1. Homeowner High Efficiency Toilet (\$100 for replacing pre-1994 toilets with any WaterSense toilet)
2. Homeowner High Efficiency Toilet (\$40 for replacing post-1994 toilets with any WaterSense toilet)
3. Single Family SMS/ET Irrigation Controller - Professional Installation (\$250 rebate or free to customers)
4. Multi-Family/Hotel High Efficiency Toilet (\$100 for replacing pre-1994 toilets with any WaterSense toilet)
5. Multi-Family/Hotel High Efficiency Toilet (\$75 for replacing 1.6 gpf toilets with 0.8 gpf toilet)
6. Multi-Family/Hotel High Efficiency Toilet (\$40 for replacing 1.6 gpf toilets with 1.28 gpf toilets)

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7. Multi-Family/Hotel High Efficiency Toilet (\$40 - for replacing 1.28 gpf toilets with 0.8 gpf toilets)
8. Multi-family/Hotel showerhead (\$15)
9. Multi-family/Hotel faucet aerator (\$5)
10. Commercial (CII) Valve-Type Toilets (\$100 for replacing pre-1994 toilets with any WaterSense toilet)
11. Commercial (CII) Valve-Type Toilets (\$40 for replacing 1.6 gpf toilets with any WaterSense toilet)
12. Commercial (CII) Tank-Type HE Toilet (\$100 for replacing pre-1994 toilets with any WaterSense toilet)
13. Commercial (CII) Tank-Type HE Toilet (\$40 for replacing 1.6 gpf toilets with any WaterSense toilet)
14. Commercial (CII) 0.5 Gallon Urinal (\$75)
15. Commercial \$40 (\$40 for replacing post-1994 toilets)
16. Commercial showerhead (\$15)
17. Commercial aerator (\$5)
18. Cooling Tower (sliding scale, ~ \$10,000)
19. Florida Water Star Single Family (\$1000)
20. Florida Water Star Multi-Family (\$100 per unit, \$850 per 6,000 sq ft. irrigated area)

In addition, there are two programs which are not part of the CFI application, but are a part of the Tampa Bay Water Wise program:

- Commercial Customizable rebate (up to \$40,000 through a partnership with District's WISE program)
- Single Family Shallow Well (\$1,000)

Benefit:

Tampa Bay Water, as part of its Long-Term Water Supply Plan update, is required to evaluate and update the Demand Management Plan every five years. The most recent version of this plan from 2023 has been attached to this application. This plan outlines the goals for demand management which include implementing the Tampa Bay Water Wise conservation program to cost effectively delay the need for new water supplies. The program goal is to save 3.8 million gallons per day by 2030, at a lower cost than developing new supplies.

Since its launch, the program has grown year after year, saving more than half a million gallons per day as of September 2024. In the program's first six months, which coincided with the onset of covid-19, the program saved 3,540 gallons per day (gpd). In fiscal year 2021 the program saved 39,649 gpd, in 2022 it saved 113,410 gpd, in 2023 it saved 157,134 gpd, and while 2024 savings are not yet finalized we anticipate they will be between 350,00 – 400,000 gpd. Of note, these savings values have shifted slightly from past reports because we changed the assumed gpd savings for homeowner toilet rebates as a result of the billing data analyses conducted at the end of 2023. This year over year growth is a direct result of the program's maturation, as we have been able to more effectively target our customer segments over time through sustained effort and analysis of our promotional activities.

Importantly, the Tampa Bay Water Wise program has proven to have a lower cost - at \$0.82 per thousand gallons in 2023 - than the cost of developing new water supplies. Tampa Bay Water's current new supply project, the Surface Water Treatment Plant Expansion costs approximately \$4-\$5/kgal. Beyond that, early estimates for other, future supply project costs were estimated in 2023 to cost \$3.93 – \$12.61/kgal, with one outlier coming in at \$0.50/kgal for the consolidated water use permit (CWUP) increase. The lower cost of water conservation is expected to continue as the program progresses, and this is a substantial benefit to the agency, its members and the rate payers.

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The member governments have acknowledged the benefits that this program provides to their customers. As such, all six member governments dedicate time and resources to promote the program and guide its development. Tampa Bay Water sends a customer satisfaction survey to all rebate participants, and this is a way to gauge the value that we provide to customers. The survey reveals that out of 401 survey responses, 89% are extremely or very likely to recommend the program to others, and 91% of respondents rated the program as excellent or good. These results are nearly identical to the last two years, indicating a sustained approval rating. As we look ahead to 2025 and 2026, we aim to work with schools, municipalities, HOAs and businesses which will increase the variety of customers we work with and provide benefits to more customer segments around the region.

Cost:

The total costs for the 18 rebates eligible under the CFI program are \$1,978,923, and the District's share would be \$989,462 if it is matched at 50%.

The costs for this program consist of 1) the rebates paid to customers, 2) the administrative costs paid to the 3rd party administrator (EGIA) to process the rebates, 2) the cost to have customer eligibility and actual water savings calculated by the University of Florida and Hazen & Sawyer, 3) inspections, and 4) program promotion and customer education. Using the District's conservation calculator, the total weighted average cost of the program is \$1.04/1000 gallons. The cost-effectiveness of each rebate type ranges from \$0.37/1000 gallons and \$3.05/1000 gallons except for the aerator rebate which are \$5.96/kgal. The reason for the high aerator cost is because the administrative costs are distributed equally among all rebate types, which creates a high cost per kgal for this low water savings rebate (5 gpd). However, based on our experience with multi-family projects and savings calculations, aerators are generally considered an inexpensive and cost-effective measure on their own.

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 modeled demands include water conservation, which overall provides Tampa Bay Water with an effective tool for assessing and utilizing its existing and future water sources.

Conservation has long been an important element of Tampa Bay Water's regional water supply strategy, before the Tampa Bay Water Wise program. For more than two decades Tampa Bay Water planned and coordinated conservation programming in the region with our member governments, and has funded Florida Friendly Landscaping programs in each county to work directly with residents to reduce their water use. The Florida Friendly Landscape program is a key part of Tampa Bay Water's strategy to educate residents about water conserving landscape practices, and the agents also assist residents with irrigation system evaluations in preparation for the installation of a smart irrigation controller through the Tampa Bay Water Wise program.

Lastly, there has been a sustained effort to recycle the porcelain toilets that are removed in connections with the rebate program. Over the past couple years Tampa Bay Water has worked with an industrial recycling facility, PAW, to recycle the toilets that would otherwise go to the landfill. It hasn't historically been a

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substantial part of PAW's work, so it has taken sustained effort to develop a system that works for all parties involved. To date approximately 1,000 toilets have been recycled, and we are working to increase that number in the coming years.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	1,432,238	0	989,462	0	2,421,700
District Share	1,432,238	0	989,462	0	2,421,700
Total	2,864,476	0	1,978,924	0	4,843,400

Matching Fund Reduction

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

Timelines

begin	1/01/2026
Commence Implementation & Program Promotion	1/01/2026
Complete Implementation & Program Promotion	12/31/2026
Complete Savings Analysis	3/01/2028
Complete Draft Final Report	6/01/2028
Complete Final Report	7/01/2028

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FY 2026 Cooperative Funding Initiative Application Form

Project Name: Baypointe Stormwater Conservation Area

Project Number: Q416

Cooperator: Pinellas County

Contact Person: Valerie Hoskavich

Department: Pinellas County

Address: 14 S. Ft. Harrison Ave

Phone #: 7274648934

City State Zip: Florida, fl 33756

Ext:

Email: vhoskavich@pinellas.gov

Project Type:

Flood Protection Natural Systems Water Quality

Strategic Initiatives:

Floodplain Management Natural Systems Conservation and Restoration Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

Pinellas County's Public Works Department is submitting a grant proposal for construction of the Baypointe Stormwater Management Conservation Area. This project aims to transform a golf course into a regional stormwater retention and treatment system, while also providing environmental enhancements such as upland mitigation and preservation of open space for passive recreation. The Baypointe Golf Course spans 42 acres and handles considerable offsite drainage (202 acres) that flows through it before ultimately discharging into "the Narrows," a segment of the Gulf Intracoastal Waterway between Boca Ciega Bay and Clearwater Harbor. Both Boca Ciega Bay and Clearwater Harbor are designated as Outstanding Florida Waters, a status given to waters worthy of special protection due to their natural attributes. The Baypointe Stormwater Conservation Area will maximize stormwater detention and flood mitigation by introducing a new pond and significantly expanding the existing ponds. This additional water retention volume both helps to mitigate local flooding and assists in improving water quality. The design also introduces berms to assist in the mitigation of local flooding at the northeast and southwest ends of the site. The new and reshaped ponds include extensive pond edge (littoral zone) plantings along their banks, which assist in water filtration and habitat restoration which will result in a greater reduction in nitrogen and a greater reduction in phosphorous. Lower nitrogen and phosphorous levels reduce the potential for algae blooms, odors /emissions, and harmful bacteria; they also improve overall water quality and clarity and improve conditions for wetland dependent wildlife.

Benefit:

1. Enhanced Flood Control: The redesigned landscape will feature retention ponds, wetlands, and bioswales that can capture and store large volumes of stormwater, reducing the risk of flooding in surrounding areas during heavy rain events.
2. Improved Water Quality: Natural filtration systems such as wetlands and vegetated swales will help remove pollutants, sediments, and nutrients from stormwater before it is discharged into the Gulf Intracoastal Waterway. This process will contribute to the health of the Outstanding Florida Waters in Boca Ciega Bay and Clearwater Harbor.

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3. Groundwater Recharge: The stormwater treatment area will promote the infiltration of water into the ground, replenishing local aquifers and maintaining the water table levels, which are crucial for the region's water supply.
4. Erosion Control: The establishment of vegetated areas and stabilized soil will help prevent erosion, particularly along water channels and retention basins, preserving the landscape and protecting water quality.
5. Biodiversity & Natural System Enhancement: The creation of diverse habitats, including wetlands, upland forests, and open water areas, will support a wide range of plant and animal species, enhancing local biodiversity and creating opportunities for environmental education.
6. Carbon Sequestration: The increased vegetation in the stormwater treatment area will capture and store carbon dioxide from the atmosphere, contributing to climate change mitigation efforts.
7. Recreational Opportunities: The preserved open space will be accessible to the public for activities such as walking, bird-watching, and nature study, providing a valuable community resource and promoting outdoor engagement.
8. Aesthetic and Community Benefits: The transformation of the golf course into a natural area will enhance the visual appeal of the area, creating a scenic and tranquil environment for residents and visitors.

Cost:

Pinellas County has approved \$9,155,000.00 in the FY24-FY29 in the Capital Improvement Plan.

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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	1,000,000	0	1,000,000
District Share	0	0	1,000,000	0	1,000,000
Total	0	0	2,000,000	0	2,000,000

Matching Fund Reduction

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

Timelines

Permitting 10/31/2025

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Design	12/01/2025
Invitation to Bid	3/01/2026
Construction	9/30/2028

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FY 2026 Cooperative Funding Initiative Application Form

Project Name: Southern Hillsborough County Supply Expansion: Pipeline

Project Number: Q241

Cooperator: Tampa Bay Water

Contact Person: Eliana Lara

Department: Tampa Bay Water

Address: 2575 Enterprise Road

Phone #: 8139294570

City State Zip: Clearwater, FL 33763

Ext: 4570

Email: elara@tampabaywater.org

Project Type:

Water Supply

Strategic Initiatives:

Regional Water Supply Planning Alternative Water Supply Strategic Initiative

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 approx. 60-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 addresses 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 on August 2020 for this project that includes a capital funding agreement that was executed between Hillsborough County and Tampa Bay Water for an approximate 8-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

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supply.

Cost:

The total cost of this project is \$438,709,630 which excludes property acquisition, legal services, contingencies and preliminary design. The project's cost estimate was reviewed by the District's third party reviewer.

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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	12,359,207	3,500,000	118,494,417	156,402,006	290,755,630
District Share	12,359,207	3,500,000	17,500,000	111,694,793	145,054,000
FDEP	2,900,000	0	0	0	2,900,000
Total	27,618,414	7,000,000	135,994,417	268,096,799	438,709,630

Matching Fund Reduction

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

Timelines

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30% Design	9/13/2023
Third Party Review	6/20/2024
Complete Design	1/26/2026
Bidding	2/06/2026
Construction Substantial Completion	11/20/2028
Closeout	5/08/2029

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FY 2026 Cooperative Funding Initiative Application Form

Project Name: Magnolia Valley Storage and Wetland Enhancement - N865

Project Number: N865

Cooperator: South Florida Water Management District

Contact Person: Eugene O. Agyei

Department: South Florida Water Management District

Address: 4454 Grand Blvd

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1048

Email: eagyei@pascocountyfl.net

Project Type:

Water Quality Flood Protection

Strategic Initiatives:

Water Quality Maintenance and Improvement Floodplain Management

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.

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Cost:

Total project cost is \$8,976,900.00. This is for Design, permitting, Construction, and 30% Design and Third Party Review costs as well as Construction Administration/CEI. This will be shared by Cooperator and District on a 50-50 basis.

Pasco County : \$4,488,450.00

District : \$4,488,450.00

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.

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Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	3,950,000	0	538,450	0	4,488,450
District Share	3,950,000	0	538,450	0	4,488,450
Total	7,900,000	0	1,076,900	0	8,976,900
				0	

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) 7/02/2023

Construction (07/03/2023 - 12/01/2024) 12/01/2024

Construction Engineering & Inspections (07/03/2023 - 12/01/2024) 12/01/2024

GIS Data, As-Built Survey, Record Drawings & Certificate of Substantial Completion (12/02/2024 - 03/01/2025) 3/01/2025

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Project Name: Sea Pines Neighborhood Flood Abatement - N850
Project Number: N850 **Cooperator:** Pasco County
Contact Person: Eugene O. Agyei **Department:** Pasco County
Address: 4454 Grand Blvd **Phone #:** 7278343611
City State Zip: New Port Richey, FL 34652 **Ext:** 1048
Email: eagyei@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 system 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 : \$7,040,318 (Land Acquisition, Design, Permitting, and Construction). The total initial Design, permitting, and construction cost of this project was \$3,300,000. This cost is shared on a 50-50 basis with the District. The remainder (\$3,740,318.00) is solely paid by the cooperator.

Pasco County: \$5,390,318.00 (Design/Permitting/Construction/Land Acquisition)

District: \$1,650,000.00 (Design/Permitting/Construction)

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

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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 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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	1,400,000	0	250,000	3,740,318	5,390,318
District Share	1,400,000	0	250,000	0	1,650,000
Total	2,800,000	0	500,000	3,740,318	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 and Permitting (06/30/2023 - 10/31/2024) 10/31/2024

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Bidding and Contract 8/31/2026

Award (11/15/2024 -
08/31/2026)

Construction (09/30/2026 3/31/2028
- 03/31/2028)

Construction & 3/31/2028

construction Engineering

Inspection (09/30/2026 -
03/31/2028)

GIS data, As-Built Survey, 9/30/2028

etc. (03/31/2028 -

09/30/2028)

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: SW-1094; Lafitte Drive - Q225

Project Number: Q225

Cooperator: Pasco County

Contact Person: Eugene O. Agyei

Department: Pasco County

Address: 4454 Grand Blvd

Phone #: 7278343611

City State Zip: New Port Richey, FL 34652

Ext: 1048

Email: eagyei@pascocountyfl.net

Project Type:

Flood Protection

Strategic Initiatives:

Floodplain Management

Project Description/Benefit/Cost

Description:

The Sea Pines subdivision has experienced frequent street and yard flooding. Twelve residences are i

Benefit:

This flood protection project will be designed to reduce flood levels so as to remove nine of the twelve at-risk homes from the FHA.

In addition, the project would result in a marked decrease in street flooding.

Cost:

Total Project Cost: \$3,762,834.00 for Design, Permitting, and Construction. This will be shared by the District and the Cooperator on 50-50 basis.

Pasco County : \$1,881,417.00

District : \$1,881,417.00

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

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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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 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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	1,150,000	0	731,417	0	1,881,417
District Share	1,150,000	0	731,417	0	1,881,417
Total	2,300,000	0	1,462,834	0	3,762,834
Matching Fund Reduction				0	

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

Timelines

Design	2/28/2023
Permitting	5/31/2023
Bidding & Contract Award	5/31/2024
Construction and Construction Engineering & Inspection	11/30/2025

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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GSI Data, As-Built survey, 5/31/2026
etc.

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Citywide Watershed Master Plan – BMP Alternatives Analysis and Preliminary Engineering Report

Project Number: Q418

Cooperator: City of Tampa

Contact Person: Ben Allushuski

Department: City of Tampa

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 Water Quality Maintenance and Improvement Floodplain Management

Project Description/Benefit/Cost

Description:

The City of Tampa is actively developing a comprehensive Watershed Master Plan (WMP) to effectively identify and prioritize flood-prone areas along with future stormwater capital improvement projects (CIPs) using predictive models. In 2023, the City conducted a Gap Analysis of existing basins that had previously been studied with detailed models. This analysis aimed to identify unstudied basins, evaluate the completeness of existing studies, assess the effort required to update drainage models, and ensure compliance with current and future Community Rating System (CRS) criteria. The City plans to use co-funding for the BMP Alternatives Analysis and Preliminary Engineering Report phase of the WMP once detailed modeling for the basins is complete. Ultimately, the WMP will serve as the foundation for stormwater management in the City of Tampa for generations to come.

Benefit:

The BMP Alternatives Analysis and Preliminary Engineering Report phase of the Watershed Master Plan (WMP) offers several key benefits for the City of Tampa. This phase will allow for a thorough evaluation of various BMPs, enabling the City to identify and prioritize the most effective solutions for stormwater management. By leveraging predictive models, this analysis will help pinpoint areas in need of water quantity and quality improvements, ensuring that resources are allocated efficiently. The insights gained will contribute to enhancing the City's Community Rating System (CRS) classification, ultimately reducing flood insurance premiums for residents and providing direct economic relief. Moreover, this phase will position the City advantageously to secure sustainability and resiliency grants, as it demonstrates a commitment to informed, data-driven decision-making. The comprehensive approach of the BMP Alternatives Analysis will also streamline construction processes, effectively addressing flooding issues across drainage basin boundaries and minimizing the likelihood of costly future rework. Finally, the findings from this analysis will serve as a foundational framework for developing stormwater criteria for future development and redevelopment projects, ensuring a proactive and integrated strategy for stormwater management throughout all basins in the City.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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Cost:

Total project cost: \$1,500,000 (BMP Alternatives Analysis and Preliminary Engineering Report)

City of Tampa: \$750,000

District: \$750,000

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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	450,000	300,000	750,000
District Share	0	0	450,000	300,000	750,000
Total	0	0	900,000	600,000	1,500,000

Matching Fund Reduction

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

Timelines

Project Commencement 10/01/2025

BMP Alternatives Analysis 3/31/2027

Preliminary Engineering Report 3/31/2027

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Plant City Potable Reuse Facility

Project Number: Q424

Cooperator: Plant City

Contact Person: Lynn Spivey

Department: Plant City

Address: 1500 Victoria Street

Phone #: 8137579190

City State Zip: Plant City, FL 33563

Ext:

Email: lspivey@plantcitygov.com

Project Type:

Water Supply Water Quality

Strategic Initiatives:

Alternative Water Supply Water Quality Maintenance and Improvement Reclaimed Water

Project Description/Benefit/Cost

Description:

This funding request is in support of a 3 to 5 million gallon per day (mgd) potable reuse facility to augment and diversify the City of Plant City's drinking water supply.

The City of Plant City, Florida is a medium sized, agricultural-based community in the greater Tampa area. The City owns and operates water, sewer, and reclaimed water utilities. The City has existing and anticipated needs in the areas of water supply, effluent management, and stormwater control:

- **Water supply:** Significant population growth has been observed and is expected to continue over the next 20 years, prompting increased water demand that is projected to surpass the available groundwater supply. The City has limited opportunity to increase its groundwater allocation due to its location in the recovered Dover Plant City Water Use Caution Area. The City's current permitted annual average capacity is 9.852 mgd and water demands are projected to surpass this available supply before 2030.
- **Effluent management:** The City's Water Reclamation Facility (WRF) produces an average of 5 mgd of highly treated effluent. The two available effluent management strategies at the WRF include pressurized reclaimed water distribution and surface water discharge to Itchepackesassa Creek, a tributary to the Hillsborough River. Reclaimed water distribution is prioritized over surface water discharge; however, the surface water discharge is commonly used due to effluent flows being greater than reclaimed water demands. The City has a maximum annual average surface water discharge limit of 6 mgd as part of their Senate Bill 64 compliance plan. The City anticipates that effluent flows from the WRF will exceed the combined total of this limit and existing reclaimed water demands, thus requiring additional effluent management opportunities.
- **Stormwater control:** The City also owns and operates a stormwater canal that is currently experiencing flooding and treatment challenges in the McIntosh Preserve.

The City recognized the interconnectivity between its water, wastewater, and stormwater needs and accordingly launched an integrated water management plan. The resultant plan includes expansion of a City-owned wetland park to treat effluent and stormwater runoff and leveraging reclaimed water as an

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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alternative water supply.

This request for funding pertains to the construction of a direct potable reuse facility to benefit the City's overall water supply and water supply resiliency. The project is an Advanced Treatment Water Facility (AWTF) so that reclaimed water may be used to meet existing and future water demands, as opposed to further stressing the groundwater supply and/or risking a demand deficit. The use of reclaimed water as an alternative water supply further benefits the Hillsborough River and the City's compliance with Senate Bill 64, as surface water discharges from the WRF will be reduced. The AWTF will include membrane filtration, reverse osmosis, ultraviolet advanced oxidation process, and chlorination, as well as finished water storage and distribution infrastructure. The selected treatment train is informed by draft Florida Department of Environmental Protection regulations for potable reuse (FAC Chapter 62-565) and results from the City's demonstration study that was completed in 2023. The demonstration study showed the treatment train's ability to continuously achieve drinking water standards and health guidelines despite influent variabilities. Additionally, the City invested substantial time and resources into internal and external communications throughout the demonstration study, including operator training, engagement across City Departments, and public tours.

Benefit:

Advanced treatment of reclaimed water for public water supply would play a critical role in the future water supply of the City's residents and local agricultural communities. The development of 3 to 5 mgd of alternative water supply would make potable water available to residential, commercial, and/or industrial customers, while also providing relief to the aquifer for long-term environmental stewardship. Furthermore, the advanced treatment and diversion of reclaimed water away from surface water discharges would result in a reduced contaminant load to surface waters.

The construction of an AWTF in Plant City, Florida would also provide an operator training opportunity for operators within and outside of the City. Operators could visit the facility to become increasing familiar with advanced treatment operator, monitoring approach, control strategies, and residuals management. Operators and the industry could use the newly installed ATWF to continue explorations of how influent wastewater quality and WRF performance impact downstream advanced treatment and finished water quality, and how that information informs enhanced source control need.

It should also be noted that this direct potable reuse facility will be sited and constructed in a manner that provides flexibility for future expansion, thus enabling the opportunity to support future growth and supply diversification in the City of Plant City and its neighboring communities.

Lastly, by increasing and diversifying its water supply portfolio, the City of Plant City reduces its reliance on the emergency interconnect with the City of Lakeland, thus also benefiting the City of Lakeland's water supply resiliency.

In summary, benefits resulting from the City of Plant City's direct potable reuse facility include:

- Increased potable water supply in a City with a projected water supply deficit
- Increased potable water supply that does not originate from groundwater supplies in the recovered Dover Water Use Caution Area
- Diversification of the City of Plant City's water supply portfolio

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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- Reduced nutrient discharges to surface water systems due to diversion of reclaimed water to potable reuse
- Alignment with an anticipated surface water discharge limitation of 6 mgd under Senate Bill 64
- Reduced reliance of the emergency interconnect with the City of Lakeland, and increased supply availability to support the City of Lakeland with emergency supplies if needed
- Increased water stewardship as Plant City is seated geographically between two regional water supply authorities

Cost:

The constructed ATWF will have a capacity of 3 to 5 mgd, depending on updated water demand projections and refined construction cost estimates. Current estimates for the constructed ATWF range from \$80 to \$130 million, -20% to +30%. With the inclusion of these cost uncertainty percentages, the estimated cost range becomes \$64 to \$169 million. This cost range reflects capacities from 3 to 5 mgd. The cost is based on reference cost-estimates of similar projects with advanced treatment including membrane filtration, reverse osmosis, and ultraviolet light advanced oxidation. Cost includes MF, RO, UV/AOP treatment, post-treatment chemical injection and storage, a concentrate injection well, and treated water storage. Cost also includes sitework, electrical and I&C. Costs are in 2024 dollars. Costs do not include permitting, land acquisition, or water main transmission.

The values inputted into the "Funding Tab" of this application reflect the high end of cost estimates (\$130 million for a 5 mgd facility, without the +30% adder). Cost estimates will continue to be refined throughout the preliminary and detailed design stages. The capacity range and cost certainty range stated herein are such because the preliminary design has not yet been completed.

This cost estimate and this overall funding request does not include any construction at the WRF that does not pertain to potable reuse.

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

The City of Plant City drinking water system is supplied by groundwater from the Floridan Aquifer. The City recognizes the importance and limited nature of this groundwater supply, thus striving for responsible withdrawals and potable water offsets through the use of alternative water supplies. As one example, the City's Water Reclamation Facility (WRF) treats wastewater to meet public access reclaimed water standards. The reclaimed water is used for industrial applications, cooling towers, and irrigation, as a substitute for potable water; however, non-potable reclaimed water demands are insufficient for the cost-effective use of the entirety of the City's reclaimed water supply. Accordingly, excess reclaimed water is discharged to the receiving surface waters. An alternative water supply project that enables potable reuse would allow excess reclaimed water to be beneficially reused as an augmentation to potable water supply.

Conservation is also an important element of the City's water supply. The primary mission of the Water Conservation Program is to monitor and report municipal, residential, commercial, industrial, agricultural, and reclaimed water usage. This effort assists the City in meeting and exceeding water conservation and regulatory compliance requirements set forth by the SWFWMD. The Water Conservation Program emphasizes the importance of saving water through an education/information-based program. The City also restricts outdoor irrigation by adopting SWFWMD rules to provide sufficient time to water and maintain the health of lawn and

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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landscape, while minimizing water wastage.

The City is conducting a local limits study in which the collection system is being characterized (flows, water quality, variability), individual industrial dischargers are being evaluated, and water quality thresholds related to passthrough and interference for existing and future treatment are being developed. The goal of this local limits study is to ensure that sewer use ordinances are put in place to protect downstream infrastructure and treated water quality (i.e., source control).

Additionally, the City is nearing completion for the construction of a 350-acre wetland at the Plant City McIntosh Park site and enhancements to the existing 45 acre wetland treatment system. The City's is expanding the capacity of the existing McIntosh Park wetland project to capture larger volumes of stormwater for additional water quality treatment, thus further protecting nearby surface waters and underlying groundwater. Expanded and enhanced wetland treatment is anticipated to reduce fecal coliform loading to the Eastside Canal, Blackwater Creek, and the Hillsborough River, as well as reduce nutrient loading to downstream Tampa Bay, a SWIM waterbody. The proposed potable reuse project and this wetland project are closely related.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	800,000	500,000	5,000,000	58,700,000	65,000,000
District Share	0	0	250,000	64,750,000	65,000,000
Total	800,000	500,000	5,250,000	123,450,000	130,000,000

Matching Fund Reduction

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

Timelines

Study/conceptual design	1/31/2025
Project site acquisition/easement acquisitions	4/30/2025
Preliminary design and third-party review	8/31/2025
60% design (the schedule for this milestone and future milestones is contingent upon the receipt of funding)	4/30/2027
90% design	10/31/2027
Permitting	4/30/2028

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Request for bids advertisement and award	10/31/2028
Construction engineering and inspection	9/30/2031
Construction	9/30/2031
As-build survey and record drawings	12/31/2031
Project close-out	12/31/2031

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Shady Hills Energy Center Reuse Project - Reuse Storage and Transport

Project Number: Q426

Cooperator: Shady Hills Energy

Contact Person: Jennifer Jairam

Department: Shady Hills Energy

Address: 16313 N. Dale Mabry Highway

Phone #: 8139630994

City State Zip: Tampa, FL 33618

Ext:

Email: jjairam@seminole-electric.com

Project Type:

Water Supply

Strategic Initiatives:

Reclaimed Water

Project Description/Benefit/Cost

Description:

Shady Hills Energy Center, LLC (SHEC), a subsidiary of Seminole Electric Cooperative, Inc., is constructing and will operate a new natural gas-fired 573 MW combined-cycle generating facility and its associated equipment. The new generating facility will use reclaimed water as its primary water source, and potable water as a secondary/backup source, for cooling and ancillary processes. The reclaimed water will originate from Pasco County's Shady Hills Wastewater Treatment Facility (SHWWTF) and the interconnected Pasco County Master Reuse System. SHEC's generating facility's annual average daily use of reclaimed water is estimated to be approximately 2.5 MGD (907.4 MGY). The generation facility is scheduled to reach commercial operation in November 2026.

In accordance with the Utility Services Agreement executed between Pasco County and SHEC (submitted with this application), Pasco County will provide sufficient reclaimed water as the primary source of water for SHEC's operational needs. In the event of a total or partial unavailability of reclaimed water from Pasco County, or reclaimed water that does not meet established quality requirements, SHEC is permitted to use (and Pasco County has agreed to provide via the Utilities Services Agreement) Pasco County potable water for SHEC's operational needs.

In an effort to reduce the possibility or likelihood of SHEC's need to use Pasco County's potable water, and improve the electric reliability of the SHEC generation facility, SHEC has the option to add an additional 1.5 million gallon reclaimed water storage tank at the generation site. With the addition of the reclaimed water storage tank, in the event that Pasco County cannot provide the required amount or quality of reclaimed water to SHEC, SHEC will be able to use reclaimed water from this storage tank and thus correspondingly reduce the use of Pasco County's potable water.

This application is not for the SHEC generation facility project as a whole, instead, this application is solely for the reclaimed water storage tank and its associated infrastructure connections to reduce SHEC's need to pull

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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potable water and improve electric reliability for the region.

In 2019, SHEC submitted an application for funding its zero liquid discharge (ZLD) system through the Cooperative Funding Initiative (CFI) for FY 2020 and was preliminarily selected for Proposed Project Funding under Project Q101 for \$13,550,000 from the District as a Ranked High Priority Project, however, SWFWMD decided not to fund the ZLD project. The proposed reclaim water storage tank, and its associated infrastructure connections, noted above, is a new and different proposal for this generation facility.

The SHEC generation facility will include a zero liquid discharge (ZLD) system, which will have the added benefit that there will be no discharge of cooling or process water to surface or ground waters. Consequently, there is no need for surface water discharge structure(s), a diffuser system, or a mixing zone. Solids will be concentrated and removed from the wastewater using ultra-filtration, RO systems, electro-deionization, and a brine concentrator and crystallizer. The wastewater will be internally recycled and non-hazardous solid wastes generated by the ZLD treatment system will be disposed of in a solid waste facility licensed to accept the solid waste.

Benefit:

All dollar values listed in the Funding Table tab within this application only pertain to the equipment associated with the direct storage or transfer of reclaimed water that is part of the proposed reclaimed water storage tank at the site of the SHEC generation facility.

The more reclaimed water that SHEC beneficially utilizes, the less excess reclaimed water that Pasco County is required to dispose of in Pasco County's rapid rate infiltration basins (RRIBs). The addition of the reclaimed water storage tank will also result in a large reduction of potential potable water use as described above.

The SHEC generation facility will filter contaminants out of the reclaimed water and transport those contaminants to an appropriate solid waste facility, instead of releasing the contaminants into the environment. There will also be nitrogen (TN) and phosphate (TP) removed as part of the SHEC water treatment system, so the more reclaimed water that SHEC can utilize instead of potable water use or having Pasco County send reclaimed water to an RRIB, the better it is for the local watershed.

Cost:

The total proposed cost to add the Reclaimed Water Storage Tank and associated piping, pumps, etc., equates to \$4,581,675. This proposed cost does not include any engineering design costs nor vendor markup. This cost includes: one welded 1,500,000 gallon reclaimed water storage tank, pump skid with two pumps, foundation and ground improvements for the tank and pump skid, electrical grounding for the tank and pump skid, underground piping and connections, motor starters, conduit, raceway, and instrumentation.

Total Project Cost for Reclaimed Water Storage Tank and Associated Equipment: \$4,581,675

Shady Hills Energy Center, LLC share: \$2,290,837

District share: \$2,290,837

SHEC would also like to note that it applied in August 2024 for Alternative Water Supply (AWS) Funding

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

through the Florida Department of Environmental Protection (FDEP) for the proposed reclaimed water storage tank and associated equipment at the SHEC generation facility, however, as stated above, this application is solely focused on the addition of the reclaimed water storage tank, and, as of the date of this application to SWFWMD, SHEC has not received a response from FDEP on the AWS application.

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

The SHEC generating facility onsite water treatment system will reduce the concentrations of calcium, magnesium, alkalinity, silica and suspended solids by adding hydrated lime, soda ash, ferric chloride and polymer to clarifiers. The onsite water treatment system will also include ultrafiltration and reverse osmosis (RO) trains. RO reject will be treated in brine concentrators and crystalizers and processed in the ZLD system. The ZLD system will generate a non-hazardous solid waste byproduct that will be characterized and properly disposed of offsite.

In addition to the water supply benefits, i.e., reduced usage of potable water in exchange for reclaimed water, this project will also have water quality benefits that will result in a reduction of pollutant loads to the Aripeka/Weeki Wachee Springs Springshed.

Moreover, in the event that Pasco County is unable to provide both reclaimed and potable water, the proposed reclaimed water storage tank could supply the onsite electric power generation facility with the required water to operate for an additional time period resulting in additional electric reliability benefits for customers.

Seminole is a not-for-profit rural electric cooperative organized under Chapter 425, Florida Statutes, and provides wholesale electric power to nine Member rural electric cooperatives. The Member cooperatives, in turn, distribute the electricity to their retail, residential, commercial, and industrial consumers throughout Florida. The Member cooperatives provide electricity to approximately 1.9 million people and businesses within 42 of Florida's 67 counties.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	2,290,837	0	2,290,837
District Share	0	0	2,290,837	0	2,290,837
Total	0	0	4,581,674	0	4,581,674

Matching Fund Reduction

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

Timelines

Commercial Operation 11/02/2026
Date of new generation
Facility.

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: Phase 1 Pinellas County Real Time Flood Forecasting

Project Number: Q431

Cooperator: Pinellas County

Contact Person: Rob Burnes

Department: Pinellas County

Address: 22211 US Hwy 19 N Bldg 10

Phone #: 7274533149

City State Zip: Clearwater, FL 33765

Ext:

Email: rburnes@pinellas.gov

Project Type:

Flood Protection

Strategic Initiatives:

Floodplain Management Emergency Flood Response

Project Description/Benefit/Cost

Description:

The project involves the development of Real-time Flood Forecasting (RTFF) models for Brooker Creek, Lake Tarpon, South Creek, and Cross Bayou watersheds and coastal portions of Pinellas County. The resulting RTFF models and dashboard system will allow Pinellas County to better predict flood extents that may impact streets and structures within the study areas. The project enhances existing watershed management plans by transitioning away from event-based modeling and toward continuous simulations that can be modified to account for specific storm events, sea level changes, and future rainfall forecasts. This will allow Pinellas County local to have information for over 44 square mile watershed in advance to make better decisions. Additionally, this will allow the Southwest Florida Water Management District to better manage the Lake Tarpon Outfall structure ahead of large rain events.

The County intends to leverage RTFF technology powered by StormWise (Previously ICPR 4). The software has been developed to predict flood levels in advance of events by using watershed conditions and rainfall forecast to warn and alert stakeholders. The project will consist of combining existing hydrologic and hydraulic ICPR4 models so a RTFF model and dashboard system can be developed for the system. Based on dashboard warnings/alerts, the County will be able to make better decisions on road closures, notifying and/or evacuating residences, mobilizing pumps and signage, and flood proof utilities.

Benefit:

The contractual Measurable Benefit will be the completion of a real-time flood forecasting model and dashboard system for Brooker Creek, Cross Bayou, and unincorporated coastal areas of Pinellas County. The information from the study will be used to aid in flood preparation operations (operation of control structures, mobilizing pumps, installing signage), to notify residents of potential flooding and/or evacuation orders, and to flood proof utilities.

Cost:

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The total cost of this project is expected to be \$1,115,000 over two fiscal years. The first-year cost (FY2026) will be \$800,000 and the second-year cost (FY2027) will be \$315,000.

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	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	400,000	157,500	557,500
District Share	0	0	400,000	157,500	557,500
Total	0	0	800,000	315,000	1,115,000

Matching Fund Reduction

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

Timelines

Procurement	12/31/2025
Project Development	1/31/2026
H&H Model Refinement	6/30/2026
Incorporate Critical Asset Flood Risk Points	8/31/2026
Development of RTFF Systems	9/30/2026
RTFF System Testing and Calibration	1/31/2027
Deployment and Training on RTFF Systems	5/31/2027
Final Report	7/31/2027

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2026 Cooperative Funding Initiative Application Form

Project Name: FY2026 Tampa Bay Environmental Restoration Fund

Project Number: W024

Cooperator: TBEP

Contact Person: Jessica Lewis

Department: TBEP

Address: 263 13th Avenue South, Suite 350 **Phone #:** 7278932765

City State Zip: St Peterburg, FL 33701

Ext:

Email: jlewis@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 CFI request is for year 14 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 2026, 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 2026. All funded projects will be initiated by September 2026, and are generally 1-3 years in duration.

In the first twelve years (2013-2024), District CFI funds were matched with other public and private sources to provide more than \$9.3M for 96 competitively-awarded projects. \$1.86M has been awarded to 11 different District projects over the same period.

Benefit:

TBERF presents an opportunity to leverage District funds with other public and private partners in the Tampa Bay area, and funds from outside Florida, to directly address the District's core mission objectives. In the first twelve years (2013-2024), CFI funds were matched with other public and private sources to provide funds for 96 competitively-awarded projects, resulting in measurable environmental benefits including:

8,998 acres of planned or restored coastal habitat;

2,381 oyster domes installed;

200 acres of seagrass enhanced;

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11,263 linear feet of living shoreline installed/planned;
126 pounds of TN/year removed through updated wastewater infrastructure;
787 acres of treated stormwater from highly urbanized areas; and
33 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 thirteenth year of the TBERF grant program (i.e. projects are scheduled to be selected in spring 2025) will have similar requirements to provide significant measurable environmental benefits consistent with the District's core mission, strategic initiatives, and regional priorities. Additional project requirements related to minimum nutrient load reduction (≥ 50 lbs TN) and shoreline restoration length (≥ 400 linear feet) will be included for FY2025 projects to remain consistent with new CFI policies.

Cost:

The Tampa Bay Estuary Program will continue to act as the local sponsor for the FY2026 TBERF. Restore America's Estuaries (RAE), a 501(c) (3) non-profit organization, will act as our national partner. RAE 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 FY2026, the CFI request of \$350,000 is expected to be matched with funds from Hillsborough County, Manatee County, Pinellas County, The Mosaic Company, and other private donations. Additional grant fund support and/or matching funds within selected proposals are anticipated to 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) (<https://tbep-tech.github.io/ccmp/docs/water/wq1.html>) 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 the District. The CCMP is approved by federal, state, and local governments (including the District) 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 ecosystem values of tidal tributaries (BH-9); Incorporate CCMP goals and actions into local government comprehensive plans, land development regulations, or ordinances (LI-1).

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These goals, initiatives, and actions are intentionally linked to and complement the District's most recent Tampa Bay SWIM Plan update.

Funding Source	Prior Funding	FY2025	FY2026	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 2/28/2026

RFP Evaluation and Award 5/31/2026

NTP Issued to Contractors 9/30/2026

2026 TBERF Projects Closed Out/Measurable Benefits Achieved 9/30/2029

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 1-800-9558770 (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