Fiscal Year 2026 Cooperative Funding Initiative Applications Southern Region







Southwest Florida Water Management District

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Project Name	Project Number	District Funding Requested
Myakka River Watershed Management Plan	Q412	\$600,000
Physical Map Revision Update for Little Sarasota Bay, Lemon Bay, and Phillippi Creek Watersheds	Q413	\$600,000
AWS - City of Punta Gorda Phase II Groundwater R.O.	Q415	\$17,775,000
Regional Integrated Loop System Phase 2B Interconnect - Design-Build	Q355	\$36,150,000
Regional Integrated Loop System Phase 3C Interconnect - Design-Build	Q313	\$30,585,000
Peace River Regional Reservoir No. 3 (PR3) – Final Design, Permitting, and Construction	Q272	\$115,700,000
Peace River Facility Expansion – Final Design, Permitting, and Construction	Q417	\$84,060,000
Lake Manatee Watershed	Q421	\$984,000
Myakka River Watershed (Manatee County Portion)	Q422	\$1,440,000
Glen Creek Flood Mitigation	Q425	\$1,796,385
Water Quality Improvement Phase M	Q436	\$935,850
Floodplain and Alternatives Analyses	Q437	\$193,150
Overall Total	·	\$290,819,385

FY 2026 Cooperative Funding Initative Application Form

Project Name: Myakka River Watershed Management Plan

Project Number:	Q412	Cooperator:	Sarasota County
Contact Person:	Mike Jones	Department:	Sarasota County
Address:	1001 Sarasota Center Blvd.	Phone #:	9418880574
City State Zip:	Sarasota, FL 34240	Ext:	
Email:	mjones@scgov.net		

Project Type:

Flood Protection Water Quality

Strategic Initiatives:

Floodplain Management Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This is a multi-year funded project to create a Watershed Management Plan for the Myakka River Watershed in Sarasota County. A water quality model was previously developed for the Myakka Watershed, and floodplain models were developed for the Upper Myakka River Basin (38 square miles) and the Lower Myakka River Basin (101 square miles).

FY2026 funds will be used to update the Watershed Management Plan; update the associated flood models using 2019 LiDAR data and reflecting new development over the past two decades; and update the water quality models to account for developments in the watershed and offer further recommendations for flood protection and water quality improvement for the Myakka River Watershed. The project tasks will be accomplished per the Project Schedule and Budget sections below. The COOPERATOR will manage the PROJECT, which includes retaining consultants to perform the Project Tasks.

Benefit:

1. Update flood models with new development to FEMA standards.

2. Update the County SIMPLE model.

3. Completion of a Level of Service analysis, and Best Management Plan alternative analysis, and the identification of cost-effective water quantity and quality alternatives.

4. Completing alternative analysis information per this Agreement's requirements is critical to identify better floodplain management and cost-effective water quantity and quality alternatives.

Cost:

The total project cost is estimated at \$1,200,000.

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

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Sarasota County has extensive experience providing public conservation education through websites, exhibits, workshops, speaking engagements, brochures, and incentive programs. Sarasota County has a Class 5 FEMA Community Rating System rating. The County received the James Lee Witt Local Award for Excellence from the State Floodplain Managers Association and FEMA in 2002. As a Community Technical Partner with FEMA, the County has entered into a three-way Mapping Agreement Statement with FEMA and SWFWMD for the conversion of the County's digital floodplain maps and studies to Digital-Flood Insurance Rate Maps (D-FIRMs).

The County received the Florida Stormwater Association's (FSA) 2008 Excellence Award for having Florida's best Stormwater Utility Program. This prestigious award concentrates on four primary areas: Flood Protection, Water Quality, Operations & Maintenance, and the Capital Improvement Program. The County received FSA's 2023 Outstanding Achievement Award for their Stormwater Program. A Land Development Ordinance to further floodplain management objectives requires all new development to have stormwater management systems and finished floor elevations designed at or above the 100-year flood elevation. Developments are required to demonstrate that they will not result in adverse increases in offsite flood stages within the appropriate county watershed model.

The County's Water-Efficient Landscape Ordinance won a statewide award for innovation. Code enforcement officers enforce irrigation restrictions that allow for once-a-week irrigation. Reduction of potable water use is encouraged with our rain barrel harvesting program. By ordinance, developers must install reuse lines throughout new development if a reuse system exists within 150 feet of any property line of a subdivision, single or multi-family residence, or any non-residential lot or use.

The contractor will review all available data and identify any data gaps. The contractor will collect any additional data that is needed.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	600,000	0	600,000
District Share	0	0	600,000	0	600,000
Total	0	0	1,200,000	0	1,200,000

Matching Fund Reduction

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

Timelines

Project Development	9/01/2026
Alternatives Analysis	6/01/2027
Final WMP Plan	12/30/2027

FY 2026 Cooperative Funding Initative Application Form

Project Name:	Physical Map Revision Update for Little Sarasota Bay, Lemon Bay, and Phillippi Creek Watersheds				
Project Number:	Q413	Cooperator:	Sarasota County		
Contact Person:	Mike Jones	Department:	Sarasota County		
Address:	1001 Sarasota Center Blvd.	Phone #:	9418880574		
City State Zip:	Sarasota, FL 34240	Ext:			
Email:	mjones@scgov.net				
Project Type:					
Flood Protection					
Strategic Initiatives:					
Floodplain Management					
Project Description/Benefit/Cost					

Description:

In 1968, the U.S. Congress passed the National Flood Insurance Act, which created the National Flood Insurance Program (NFIP). The NFIP was designed to reduce future flood losses through local floodplain management and to provide financial protection for property owners against potential losses through flood insurance. As a member of the NFIP, Sarasota County adopted floodplain management ordinances to reduce future flood losses and is responsible for submitting data reflecting revised flood hazard information to the FEMA, so that NFIP maps can be revised as appropriate. This will allow risk premium rates and floodplain management requirements to be based on current data.

The goals of this study are to update county models to FEMA standards, update the county models with new development, prepare an MT-2 application to FEMA, and to obtain FEMA acceptance of the models.

Benefit:

1. Updated Sarasota County floodplain models to FEMA standards.

2. Updated floodplain map panels to FEMA standards.

Cost:

The total project cost is estimated at \$1,200,000.

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

Sarasota County has extensive experience providing public conservation education through websites, exhibits, workshops, speaking engagements, brochures, and incentive programs. Sarasota County has a Class 5 FEMA Community Rating System rating. The County received the James Lee Witt Local Award for Excellence from the State Floodplain Managers Association and FEMA in 2002. As a Community Technical Partner with FEMA, the County has entered into a three-way Mapping Agreement Statement with FEMA and SWFWMD for the

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conversion of the County's digital floodplain maps and studies to Digital-Flood Insurance Rate Maps (D-FIRMs).

The County received the Florida Stormwater Association's (FSA) 2008 Excellence Award for having Florida's best Stormwater Utility Program. This prestigious award concentrates on four primary areas: Flood Protection, Water Quality, Operations & Maintenance, and the Capital Improvement Program. The County received FSA's 2023 Outstanding Achievement Award for their Stormwater Program. A Land Development Ordinance to further floodplain management objectives requires all new development to have stormwater management systems and finished floor elevations designed at or above the 100-year flood elevation. Developments are required to demonstrate that they will not result in adverse increases in offsite flood stages within the appropriate county watershed model.

The County's Water-Efficient Landscape Ordinance won a statewide award for innovation. Code enforcement officers enforce irrigation restrictions that allow for once-a-week irrigation. Reduction of potable water use is encouraged with our rain barrel harvesting program. By ordinance, developers must install reuse lines throughout new development if a reuse system exists within 150 feet of any property line of a subdivision, single or multi-family residence, or any non-residential lot or use.

The contractor will review all available data and identify any data gaps. The contractor will collect any additional data that is needed.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	600,000	0	600,000
District Share	0	0	600,000	0	600,000
Total	0	0	1,200,000	0	1,200,000

Matching Fund Reduction

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

Timelines

Project Development	9/01/2026
Alternatives Analysis	6/01/2027
Final WMP Plan	12/30/2027

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Project Name: AWS - City of Punta Gorda Phase II Groundwater R.O.

Project Number:	Q415	Cooperator:	City of Punta Gorda
Contact Person:	Thomas Spencer	Department:	City of Punta Gorda
Address:	326 W. Marion Avenue	Phone #:	9415753339
City State Zip:	Punta Gorda, FL 33950	Ext:	5055
Email:	tspencer@cityofpuntagordafl.com		

Project Type:

Water Supply Natural Systems Water Quality

Strategic Initiatives:

Alternative Water Supply Minimum Flows and Levels Recovery Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

An expansion of the existing Reverse Osmosis (RO) plant and an expansion of the brackish wellfield t

Benefit:

This expansion project benefits the Lower Shell Creek and will enable the City of Punta Gorda to meet the increasing demands. The additional groundwater sources will provide improved conjunctive use for periods of low flow withdrawal restrictions. The expanded water supply will be available to the regional system through two existing interconnects with the Peace River Manasota Regional Water Supply Authority.

Cost:

The original RO WTP design allocated space for future membrane skids, pre-treatment filters, and a degasification unit. This approach, combined with sizing the chemical dosing units, contact chamber, and deep injection well for ultimate flow capacity, eliminates the need for civil construction during an expansion. The expansion will primarily involve acquiring and connecting additional equipment and construction of additional wells. In order to facilitate capital planning, cost estimates have been separated into RO WTP expansion costs and Wellfield expansion costs.

The RO WTP costs include equipment, additional piping and connections, electrical installation, electrical, instrumentation and controls (El&C), and engineering contingency. The equipment cost was based on quotes obtained from vendors between March and May 2024, whereas piping, electrical installation, and El&C costs were estimated based on percentages of the total project with similar sizing. For example, the costs for electrical Installation are estimated to be 25 percent of the RO related equipment cost.

After calculating the direct cost subtotal, general conditions (GC) were estimated at 10 percent to cover costs for site management, utilities, and temporary structures. A contingency of 20 percent was then applied to the

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combined subtotal and GC, resulting in the estimated direct cost (EDC). The general contractor overhead and profit was assumed at 12 percent of the EDC. Sales tax was assumed at 7 percent of 70 percent of the subtotal, given some of the project components can be exempt from tax. Once the total opinion of construction cost was calculated, additional engineering, legal, and administrative fees, were added (15 percent) to cover professional services, permitting, and project management.

For the wellfield costs, a similar calculation method was used. However, the general conditions percentage (10 percent) was applied only to the subtotal of wellhead and piping, and the taxable percentage of the subtotal was estimated to be 50 percent.

RO WTP Facility Expansion – Capital Cost Estimate: \$ 17,699,000 RO WTP Wellfield Expansion – Capital Cost Estimate: \$20,010,000 RO WTP and Wellfield Expansion – Total Capital Cost: \$37,709,000

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

The City has adopted an inclining tiered rate structure approved by the district to promote conservation. The Utilities Department will continue to seek regional partnership opportunities for future water supply planning and development. The City's finance department is working with a consultant to perform a rate study this year.

The City has also published year-round water conservation measures. These measures include a twice-per-week irrigation schedule that encourages residents to water at the recommended times only if their lawn and landscape require it and to turn off irrigation systems when rain is forecasted. It also includes guidelines that encourage hand watering and micro-irrigation of plants and other lawns along with addressing irrigation of new lawns and plants. The guidelines instruct that other water uses should be conducted as efficiently as possible, such as shutoff nozzles on hoses. The City will be looking to adopt these measures, as well as penalties for violations, into to our Code of Ordinances.

The City has adopted water conservation measures outlined in Chapter 17, Article IV of the Code of Ordinances. This stipulates that water service will only be provided to new or remodeled buildings if their plumbing and fixtures meet the State Building Code standards as adopted by the City of Punta Gorda. This requirement aims to ensure that all water-using installations are efficient and compliant with conservation standards. The replacement of blowout-type toilet and urinal fixtures with similar fixtures may be approved by the building official if a valid need is demonstrated. Exceptions to these requirements can be made if it can be shown that an alternative device, system, or procedure will conserve equal or more water, or if compliance with the standard requirements is not feasible. Penalties for violating these rules include fines for infractions, which escalate for repeat violations. This structured approach promotes water conservation by enforcing compliance with efficiency standards and encouraging the use of modern, water-saving fixtures.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	4,000,000	24,350,000	7,200,000	35,550,000
District Share	0	0	8,887,500	8,887,500	17,775,000

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DEP AWS Grant Funding Requested (not awarded yet)	0	2,150,000	0	0	2,150,000
Total	0	6,150,000	33,237,500	16,087,500	55,475,000
Matching Fund Reduction					
Check here if req	uesting a reduc	tion in matchin	g funds requireme	nt pursuant to s.28	38.06561, F.S.
Timelines					
RO WTP Preliminary Design Report	3/31/2025				
Wellfield PDR and Well Design	6/30/2025				
Procurement of Well Driller & Site Permitting and WUP Modification	12/31/2025				
RO WTP Final Design and Permitting & Onsite Wellhead and Piping Design	3/31/2026				
RO WTP Bidding and Procurement & Wellhead and Pipping Bidding and Procurement	9/30/2026				
RO WTP Construction, Well Drilling, & Aboveground Facilities and Piping Construction	12/31/2027				
RO WTP Start-up and Commissioning	3/31/2028				

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FY 2026 Cooperative Funding Initative Application Form

Project Name: Regional Integrated Loop System Phase 2B Interconnect - Design-Build

Project Number:	Q355	Cooperator:	PRMRWSA
Contact Person:	Mike Knowles, P.E.	Department:	PRMRWSA
Address:	9415 Town Center Parkway	Phone #:	9413161776
City State Zip:	Lakewood Ranch, FL 34202	Ext:	228
Email:	mknowles@regionalwater.org		

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply Strategic Initiative

Project Description/Benefit/Cost

Description:

The Regional Integrated Loop System Phase 2B Interconnect Design-Build Project (Project) consists of design, permitting and construction of approximately 13 miles of 42-inch diameter transmission main and when complete, will extend the Authority's regional pipeline system from the current terminus of the Phase 2 Interconnect at Serris Boulevard westward to Charlotte County's Gulf Cover Pump Station in western Charlotte County. The Project is part of the Authority's regional plan for a fully interconnected potable water transmission system. The Project will build upon the District co-funded March 2022 Phase 2B Feasibility and Routing Study (FRS), the preliminary design and third-party review effort completed in CY2023 (Project No. Q355), and final design and permitting completed thereafter. The Project is being delivered via Progressive Design-Build (PDB).

The project began construction on February 12, 2024, and is scheduled to be substantially complete by March 2026. The preferred route for the Project was identified in the FRS and was approved by the Authority Board in April 2022 along with an Interlocal Agreement between the Authority and Charlotte County. The design, permitting and construction for this Project will be completed through an Alternative Delivery Method. The Authority Board selected a contractor to provide Progressive Design-Build Services at its August 2022 meeting. On December 6, 2023, the Board approved the Revised Interlocal Agreement with Charlotte County to set the "Charlotte Cap" for contributions to the Phase 2B Pipeline at \$55,945,000 based upon the 60% Design Guaranteed Maximum Price (GMP). This regional interconnect is an Alternative Water Supply (AWS) identified in the District's RWSP and supports the SWUCA Recovery Strategy through regional conjunctive use of surface and groundwater sources based on management and rotation of supply resources.

Benefit:

The Project will ultimately result in the extension and interconnection of the current regional loop system and expanded use of AWS sources. The Project will support the accomplishment of the SWUCA Recovery Strategy

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through regional conjunctive use of surface and ground water sources based on management and rotation of supply sources. These benefits are consistent with the District's 2023-2027 Strategic Plan, Regional Priorities and Objectives for the Southern Region - SWUCA Recovery (page 19) which include "ensuring a sustainable water supply" and "assisting the Authority in the development of 21 MGD of AWS sources".

Cost:

The costs identified within this CFI request are based upon the December 6, 2023, revised Interlocal Agreement between the Authority and Charlotte County, and the 60% GMP for the Project. The currently estimated total eligible cost for District reimbursement of final design, permitting and construction is \$87,440,545, with \$49,790,545 proposed to be provided by the Authority, \$36,150,000 proposed to be provided by the District, and \$1,500,000 from the FDEP (AWS funds). A schedule of anticipated expenditures for the Project is provided in the Funding Table component of this CFI Application.

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

The Authority is a wholesale supplier of potable water to Charlotte, DeSoto, Manatee and Sarasota Counties, and the City of North Port, each of whom are retail suppliers for their respective public water systems. As reported on the District's Conservation Dashboard, all four customers that currently receive water from the Authority are identified in the District's 2020 Conservation All-Stars list. Consistent with the District's Strategic Plan Objective (2024-2028) to achieve and maintain a reduction in regional average unadjusted gross per capita of 79.7 gpcd by 2025, in recent years the Authority's Members and Customers have averaged an unadjusted gross per capita use rate was 76.2 gpcd, a value over 4% less than the District's Strategic Plan Objective 2025 per capita use objective. The Authority manages the District's RV Griffin Reserve under a Management and Operations Agreement which includes expenditure of Authority financial and staff resources associated with Reserve security, patrolling, and maintaining perimeter fencing, exotic/invasive vegetation and animal control, prescribed burning, road repairs and maintenance, and maintenance of equestrian and pedestrian trails. The Authority regularly evaluates water conservation/demand management opportunities in its Integrated Regional Water Supply Master Plans and is doing so again in its forthcoming 2025 Plan, which is scheduled to be completed around April 2025. Consistent with the District's Strategic Plan Objective to achieve increased use of all wastewater flows by 2040, assist in the implementation of potable reuse, develop ASR options for potable and reclaimed water supply, and increase the percentage of total water use supplied by AWS sources, the Authority is also including an evaluation of reclaimed water supply feasibility in its 2025 IRWSP evaluation. The Authority also periodically hosts Regional Water Alliance meetings with elected officials and their staffs to discuss water conservation, demand management, and AWS opportunities, and cooperatively participates with Customer utilities and the District in public awareness and education programs regarding water conservation. Efforts include broadcast public service announcements, newspaper advertisements, inserts, and public presentations.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	15,396,094	11,050,000	23,344,451	0	49,790,545
District Share	15,396,094	10,350,000	10,403,906	0	36,150,000
FDEP	1,500,000	0	0	0	1,500,000
Total	32,292,188	21,400,000	33,748,357	0	87,440,545

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Matching Fund Reduction



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

Timelines

Construction Initiated 2/12/2024

Substantial Completion of 3/01/2026 Construction This page intentionally left blank

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Project Name: Regional Integrated Loop System Phase 3C Interconnect - Design-Build

Project Number:	Q313	Cooperator:	PRMRWSA
Contact Person:	Mike Knowles, P.E.	Department:	PRMRWSA
Address:	9415 Town Center Parkway	Phone #:	9413161776
City State Zip:	Lakewood Ranch, FL 34202	Ext:	228
Email:	mknowles@regionalwater.org		

Project Type:

Water Supply

Strategic Initiatives:

Strategic Initiative Alternative Water Supply

Project Description/Benefit/Cost

Description:

The Regional Integrated Loop System Phase 3C Interconnect and Pump Station Design-Build Project (Project) consists of design, permitting and construction of approximately 8-miles of 42-inch diameter transmission main and pumping and storage improvements to be completed at the Carlton Facility. When complete, this pipeline will extend the Authority's regional pipeline system from the current terminus of the Phase 3B Interconnect at Clark Road (SR-72) in central Sarasota County, northward to Fruitville Road. The Project is part of the Authority's regional plan for a fully interconnected potable water transmission system, will build upon the District co-funded March 2022 Phase 3C Feasibility and Routing Study (FRS), preliminary design and third-party review efforts completed in FY2023 (Project No. Q313), and final design and permitting completed thereafter. The Project is being delivered via Progressive Design-Build (PDB).

The project began construction in October 2023 and is scheduled to be substantially complete by March 2026. The preferred route for the Project was identified in the FRS and was approved by the Authority Board in April 2022 along with an Interlocal Agreement between the Authority and Sarasota County. The Authority Board selected a contractor to provide Progressive Design-Build Services at its August 2022 meeting. A second amendment to the Interlocal Agreement between the Authority and Sarasota County for the Phase 3C Regional Interconnect occurred in June 2024. This regional interconnect is an Alternative Water Supply (AWS) identified in the District's RWSP and supports the SWUCA Recovery Strategy through regional conjunctive use of surface and ground water sources based on management and rotation of supply resources.

Benefit:

The Project will ultimately result in the extension and interconnection of the current regional loop system and expanded use of AWS sources. The Project will support the accomplishment of the SWUCA Recovery Strategy through conjunctive use of surface and ground water sources based on management and rotation of supply sources. These benefits are consistent with the District's 2023-2027 Strategic Plan, Regional Priorities and

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Objectives for the Southern Region - SWUCA Recovery (page 19) which include "ensuring a sustainable water supply" and "assisting the Authority in the development of 21 MGD of AWS sources".

Cost:

The costs identified within this CFI request are based upon the June 2024, second amendment to the Interlocal Agreement for the Phase 3C Project between the Authority and Sarasota County, and project final design. The currently estimated total eligible cost for District reimbursement of final design, permitting and construction is \$71,920,000. Consistent with current District CFI policy, no change in the amount of funding previously committed to by the District (\$26,550,000) is being requested. However, as communicated by the Authority to the District on September 17, 2024, in order to successfully submit this FY2026 CFI application, the Authority had to identify a dollar amount for FY2026 funding from the District. Consistent with 9/22/24 guidance from the District, the Authority has identified a request for an additional \$4,035,000 "from the District" for FY2026. However, as communicated, this \$4,035,000 is actually being requested to be provided by a potential future FDEP AWS Grant (if available), rather than by the District. Of the currently estimated total eligible cost of \$71,920,000, a total of \$38,835,000 is proposed to be provided by the Authority, \$26,550,000 proposed to be provided by the District, and \$6,535,000 from the FDEP (\$2.5M in AWS funds previously awarded; \$4,035,000 requested for FY26). A schedule of anticipated expenditures for the Project is provided in the Funding Table component of this CFI Application.

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

The Authority is a wholesale supplier of potable water to Charlotte, DeSoto, Manatee and Sarasota Counties, and the City of North Port, each of whom are retail suppliers for their respective public water systems. As reported on the District's Conservation Dashboard, all four customers that currently receive water from the Authority are identified in the District's 2020 Conservation All-Stars list. Consistent with the District's Strategic Plan Objective (2024-2028) to achieve and maintain a reduction in regional average unadjusted gross per capita of 79.7 gpcd by 2025, in recent years the Authority's Members and Customers have averaged an unadjusted gross per capita use rate was 76.2 gpcd, a value over 4% less than the District's Strategic Plan Objective 2025 per capita use objective. The Authority manages the District's RV Griffin Reserve under a Management and Operations Agreement which includes expenditure of Authority financial and staff resources associated with Reserve security, patrolling, and maintaining perimeter fencing, exotic/invasive vegetation and animal control, prescribed burning, road repairs and maintenance, and maintenance of equestrian and pedestrian trails. The Authority regularly evaluates water conservation/demand management opportunities in its Integrated Regional Water Supply Master Plans and is doing so again in its forthcoming 2025 Plan, which is scheduled to be completed around April 2025. Consistent with the District's Strategic Plan Objective to achieve increased use of all wastewater flows by 2040, assist in the implementation of potable reuse, develop ASR options for potable and reclaimed water supply, and increase the percentage of total water use supplied by AWS sources, the Authority is also including an evaluation of reclaimed water supply feasibility in its 2025 IRWSP evaluation. The Authority also periodically hosts Regional Water Alliance meetings with elected officials and their staffs to discuss water conservation, demand management, and AWS opportunities, and cooperatively participates with Customer utilities and the District in public awareness and education programs regarding water conservation. Efforts include broadcast public service announcements, newspaper advertisements, inserts, and public presentations.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	20,615,681	14,184,319	4,035,000	0	38,835,000

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Total	36,360,000	27,490,000	8,070,000	0	71,920,000
FDEP	2,500,000	0	0	0	2,500,000
District Share	13,244,319	13,305,681	4,035,000	0	30,585,000

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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Construction Initiated 10/27/2023

Substantial Completion 3/01/2026

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Project Name: Peace River Regional Reservoir No. 3 (PR3) – Final Design, Permitting, and Construction

Project Number:	Q272	Cooperator:	PRMRWSA
Contact Person:	Mike Knowles, P.E.	Department:	PRMRWSA
Address:	9415 Town Center Parkway	Phone #:	9413161776
City State Zip:	Lakewood Ranch, FL 34202	Ext:	228
Email:	mknowles@regionalwater.org		

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply Strategic Initiative

Project Description/Benefit/Cost

Description:

The Peace River Regional Reservoir No. 3 (PR3) - Final Design, Permitting, and Construction Project (Project) consists of final design, permitting and construction of a new 9 billion-gallon (BG) off-stream raw water storage reservoir (PR3), a new river intake pump station, a new reservoir pump station, and new conveyance pipelines to convey water from the new pumping station to PR3 and from PR3 to the Peace River Water Treatment Facility (PRF). The Project is part of the Authority's regional plan for a fully interconnected potable water transmission system served by Alternative Water Supply (AWS) sources and will build upon the District co-funded December 2021 Feasibility & Siting Report, preliminary design and third-party review efforts completed in FY2023, and ongoing work efforts related to final design, permitting, and construction (Project No. Q272). At the request of Authority members, additional water supply capacity is scheduled to be online by 2028. The Project is supported by the Authority's WUP No. 20010420.012 which authorizes a maximum daily withdrawal from the Peace River of 258 MGD to enhance the capture and storage of excess flows during the wet season, and delivery of up to 80 MGD of Alternative Water Supply (AWS) to the region.

Benefit:

The Project will ultimately result in the expanded storage necessary to continue to meet regional demands with AWS sources. The Project will support the SWUCA Recovery Strategy through conjunctive use of surface and ground water sources based on management and rotation of supply sources. These benefits are consistent with the District's 2023-2027 Strategic Plan, Regional Priorities and Objectives for the Southern Region - SWUCA Recovery (page 19) which include "ensuring a sustainable water supply" and "assisting the Authority in the development of 21 MGD of AWS sources".

Cost:

The costs identified within this CFI request are based upon the 60% Design for the Project (Project No. Q272). It is anticipated that this cost estimate will continue to be further refined as final design progresses. The current estimated total cost for final design, permitting and construction is \$375,077,000 with \$259,377,000

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(inclusive of State/FDEP funding of \$34,800,0000) proposed to be provided by the Authority (not including mitigation costs) and \$115,700,000 proposed to be provided by the District. A schedule of anticipated expenditures for the Project is provided in the Funding Table component of this CFI Application.

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

The Authority is a wholesale supplier of potable water to Charlotte, DeSoto, Manatee and Sarasota Counties, and the City of North Port, each of whom are retail suppliers for their respective public water systems. As reported on the District's Conservation Dashboard, all four customers that currently receive water from the Authority are identified in the District's 2020 Conservation All-Stars list. Consistent with the District's Strategic Plan Objective (2024-2028) to achieve and maintain a reduction in regional average unadjusted gross per capita of 79.7 gpcd by 2025, in recent years the Authority's Members and Customers have averaged an unadjusted gross per capita use rate was 76.2 gpcd, a value over 4% less than the District's Strategic Plan Objective 2025 per capita use objective. The Authority manages the District's RV Griffin Reserve under a Management and Operations Agreement which includes expenditure of Authority financial and staff resources associated with Reserve security, patrolling, and maintaining perimeter fencing, exotic/invasive vegetation and animal control, prescribed burning, road repairs and maintenance, and maintenance of equestrian and pedestrian trails. The Authority regularly evaluates water conservation/demand management opportunities in its Integrated Regional Water Supply Master Plans and is doing so again in its forthcoming 2025 Plan, which is scheduled to be completed around April 2025. Consistent with the District's Strategic Plan Objective to achieve increased use of all wastewater flows by 2040, assist in the implementation of potable reuse, develop ASR options for potable and reclaimed water supply, and increase the percentage of total water use supplied by AWS sources, the Authority is also including an evaluation of reclaimed water supply feasibility in its 2025 IRWSP evaluation. The Authority also periodically hosts Regional Water Alliance meetings with elected officials and their staffs to discuss water conservation, demand management, and AWS opportunities, and cooperatively participates with Customer utilities and the District in public awareness and education programs regarding water conservation. Efforts include broadcast public service announcements, newspaper advertisements, inserts, and public presentations.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	63,067,133	14,000,000	32,975,000	114,534,867	224,577,000
District Share	18,682,867	14,000,000	32,975,000	50,042,133	115,700,000
FDEP	24,800,000	0	0	0	24,800,000
Legislative Appropriation	10,000,000	0	0	0	10,000,000
Total	116,550,000	28,000,000	65,950,000	164,577,000	375,077,000

Matching Fund Reduction

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

Timelines

Initiate Final Design and 10/01/2023 Construction

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Complete Final Design and 6/01/2028 Construction This page intentionally left blank

FY 2026 Cooperative Funding Initative Application Form

Project Name: Peace River Facility Expansion – Final Design, Permitting, and Construction

Project Number:	Q417	Cooperator:	PRMRWSA
Contact Person:	Mike Knowles, P.E.	Department:	PRMRWSA
Address:	9415 Town Center Parkway	Phone #:	9413161776
City State Zip:	Lakewood Ranch, FL 34202	Ext:	228
Email:	mknowles@regionalwater.org		

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply Strategic Initiative

Project Description/Benefit/Cost

Description:

The Peace River Facility (PRF) Expansion - Final Design and Construction Project (Project) consists of final design, permitting and construction of a 24 MGD expansion of the Peace River Facility (PRF) Water Treatment Plant. The Project is part of the Authority's regional plan for a fully interconnected potable water transmission system served by AWS sources and will build upon the preliminary design and third-party review efforts completed for the Project in FY2023, and ongoing work efforts related to final design, permitting, and construction. At the request of Authority members, additional water supply capacity is scheduled to be online by 2028. The Project is supported by the Authority's WUP No. 20010420.013 which authorizes a maximum daily withdrawal from the Peace River of 258 MGD to enhance the capture and storage of excess flows during the wet season, and delivery of up to 80 MGD of Alternative Water Supply (AWS) to the region.

This Project coupled with the forthcoming Peace River Reservoir 3 (PR3) Project is referred to as the "Surface Water Supply Expansion Project" (SWSEP). The SWSEP is identified in the District's RWSP as the next AWS source to be developed to meet our member's demands. In conformance with revisions the District made to its Governing Board Policy in July 2022, the Authority postponed submittal of a request for FY2024 cooperative funding for the PRF Expansion component of the SWSEP Project until the FY2025 CFI cycle to allow for the completion of preliminary design and a third-party review effort. The preliminary design and third-party review effort for the PRF Expansion component of the SWSEP was completed during FY2023, and cooperative funding was requested for the FY2025 funding cycle accordingly. While the District did not offer funding for the PRF Expansion project during the FY2025 funding cycle, it is again being submitted for District consideration for the FY2026 funding cycle as a separate project.

Customer-identified demand projections identify the need for about 24 MGD over the next 20 years, of which up to 18 MGD are estimated to be provided by the SWSEP. The Authority intends to complete the PRF Expansion Project through an Alternative Delivery Method (Progressive Design Build). The Authority Board selected a contractor to provide Progressive Design-Build Services for the PRF Expansion project at its

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October 2023 meeting.

Please note that due to the size of the electronic file for the 30% Preliminary Design document, the District provided the Authority with a Sharefile link to upload the report as part of this FY2026 CFI Application. The document (entitled "PRF Expansion Project Design Criteria Report") was uploaded to the following link on September 16, 2024 in coordination with Kevin Wills and Kim Kennan: https://watermatters.sharefile.com/r-rcdb1f3c8ec9d4838a40f85252ed832f8

Benefit:

The Project will ultimately result in the expanded treatment capacity necessary to continue to meet regional demands with AWS sources in conjunction with the PR3 Project. The Project will support the SWUCA Recovery Strategy through regional conjunctive use of surface and ground water sources based on management and rotation of supply sources. These benefits are consistent with the District's 2023-2027 Strategic Plan, Regional Priorities and Objectives for the Southern Region - SWUCA Recovery (page 19) which include "ensuring a sustainable water supply" and "assisting the Authority in the development of 21 MGD of AWS sources".

Cost:

The costs identified within this CFI request are based upon the preliminary (30%) design and third-party review of the PRF Expansion Project. It is anticipated that this cost estimate will be further refined as final design progresses. Estimated expenses in FY2023 for preliminary (30%) design, third party review and preliminary permitting (initial pre-application) efforts were \$2,041,425. Estimated total eligible cost for District reimbursement of final design, permitting and construction is \$168,120,000, with a total of \$84,060,000 proposed to be provided by the Authority and a total of \$84,060,000 proposed to be provided by the Authority and a total of \$84,060,000 proposed to be provided by the District. A schedule of anticipated expenditures for the Project is provided in the Funding Table component of this CFI Application. Consistent with District FY2026 policy, the Authority proposes that its preliminary design, third party review, and permitting costs be included as part of its cost match for final design, permitting, and construction. The Authority also requests that the District cooperatively fund 50% of Fiscal Year 2025 costs for the Project. The District's expenditures for the FY2025 costs are included under the "Future" column of the Funding Table.

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

The Authority is a wholesale supplier of potable water to Charlotte, DeSoto, Manatee and Sarasota Counties, and the City of North Port, each of whom are retail suppliers for their respective public water systems. As reported on the District's Conservation Dashboard, all four customers that currently receive water from the Authority are identified in the District's 2020 Conservation All-Stars list. Consistent with the District's Strategic Plan Objective (2024-2028) to achieve and maintain a reduction in regional average unadjusted gross per capita of 79.7 gpcd by 2025, in recent years the Authority's Members and Customers have averaged an unadjusted gross per capita use rate was 76.2 gpcd, a value over 4% less than the District's Strategic Plan Objective 2025 per capita use objective. The Authority manages the District's RV Griffin Reserve under a Management and Operations Agreement which includes expenditure of Authority financial and staff resources associated with Reserve security, patrolling, and maintaining perimeter fencing, exotic/invasive vegetation and animal control, prescribed burning, road repairs and maintenance, and maintenance of equestrian and pedestrian trails. The Authority regularly evaluates water conservation/demand management opportunities in its Integrated Regional Water Supply Master Plans and is doing so again in its forthcoming 2025 Plan, which is

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scheduled to be completed around April 2025. Consistent with the District's Strategic Plan Objective to achieve increased use of all wastewater flows by 2040, assist in the implementation of potable reuse, develop ASR options for potable and reclaimed water supply, and increase the percentage of total water use supplied by AWS sources, the Authority is also including an evaluation of reclaimed water supply feasibility in its 2025 IRWSP evaluation. The Authority also periodically hosts Regional Water Alliance meetings with elected officials and their staffs to discuss water conservation, demand management, and AWS opportunities, and cooperatively participates with Customer utilities and the District in public awareness and education programs regarding water conservation. Efforts include broadcast public service announcements, newspaper advertisements, inserts, and public presentations.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	2,041,425	39,988,575	21,015,000	21,015,000	84,060,000
District Share	0	0	21,015,000	63,045,000	84,060,000
Total	2,041,425	39,988,575	42,030,000	84,060,000	168,120,000

Matching Fund Reduction

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

Timelines

Construction Initiated 6/30/2025

Construction Substantial 12/31/2027 Completion This page intentionally left blank

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Project Name:	Lake Manatee Watershed		
Project Number:	Q421	Cooperator:	Manatee County
Contact Person:	Kenneth Kohn, P.E., Sr. Project Engineer Public Works Department	Department:	Manatee County
Address:	1022 26th Avenue East	Phone #:	9417087450
City State Zip:	Bradenton, FL 34208	Ext:	7254
Email:	kenneth.kohn@mymanatee.org		
Project Type:			
Flood Protection			
Strategic Initiativ	es:		
Floodplain Manag	ement		

Project Description/Benefit/Cost

Description:

This project completes for the Lake Manatee Watershed: 1) The Watershed Evaluation and Watershed Management Plan elements of the

District's Watershed Management Program (WMP) which will be used by the County to perform alternatives Analysis for flood mitigation and for water quality improvements. In addition, the County will update the FEMA FIRM with this information. This watershed comprises roughly 123 square miles and is depicted on the attached Watershed Map. The purpose of this study is to determine floodplain delineation resulting from a 100-year/24-hour storm frequency rainfall event, flood mitigation alternatives and for water quality improvement analysis. A Lake Manatee Watershed Management Plan was completed with the SWFWMD in September 2016 (excerpts attached) but did not include inundation analysis (water quality only), however, the information in the aforementioned study should prove helpful to the inundation analysis. The watershed is a public water supply source for Manatee County, consists primarily of agricultural lands, and mixed residential areas with minor commercial/industrial development and has existing flooding problems. Significant areas remain for both future residential and commercial/industrial development and the area is projected to experience rapid development and growth. Given the known flooding, and future development and to enhance protection of the potable water supply, it is critical to establish updated flood stages to protect from adverse impacts from flooding as well as to propose flood mitigation alternatives and water quality assessment. This watershed has high level of protection as any development is required to provide 150% water quality treatment for the potable water supply. Simulations in the most recent study of the Lake Manatee Watershed ended in 2011, but that study focused on water quality and did not include a floodplain analysis or an alternatives analysis for flood mitigation. The County will utilize the the study for flood mitigation alternatives analysis which will provide cost/benefit options and level of service improvements for reduction in flood stages in flood prone areas. County also will use this information to update FEMA FIRM Maps which for this area as existing FEMA information is over 30 years old. This project will also provide new watershed information for use with Water Quality BMP (Best Management Practices) Alternatives Analysis (referred to as a BA collectively) for the project area to identify Water Quality improvement options. The County will use this

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information to develop pollutant load reduction strategies within the project watershed, including structural, non-structural or natural systems BMPs to improve water quality within the project waterbodies and receiving waters. Guidance will include BMP cost effectiveness estimates, but in highly developed areas may preferentially focus on Low Impact Development (LID) retrofits. Water Quality benefits will also be incorporated in the Flood Alternatives Assessment. Water quality improvement will support efforts required through the NPDES MS4 program.

Benefit:

The watershed model, floodplain analysis and utilization of this information by the County for the identification of flood mitigation alternatives will provide critical information that identifies flood damage risks and cost effective flood mitigation alternatives required for the inevitable future development of the Lake Manatee watershed. Currently, contemporary flood analysis models are not available in this watershed; prior work is over 30 years old. Sub watersheds of the project area includes regional or intermediate stormwater systems. The impacts in this watershed from the recent Hurricane Debby (August 2024) further highlights the need to update this model. The study also assists in obtaining lower ranking in the FEMA CRS which may lead to lower flood insurance premiums. Resource benefits includes analysis of existing flooding and water quality problems. The results of this study will be utilized in the future to assess potential water quality issues in the watershed and analyze solutions to improve water quality.

Cost:

Total project cost: \$1,968,000. Manatee County Cost-\$984,000. District Cost \$984,000. Cost was estimated based on on-going Watershed

Studies and assistance from SWFWMD staff with estimates from the Evaluation Guidelines table for cost per square mile and points

awarded for costs of a WMP within the noted range.

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

Manatee County has applied for funding through USGS for 2025 LiDAR. We anticipate all of Manatee County LiDAR being updated to SWFWMD standards next year if approved by USGS.

The Manatee County Land Development Code, Section 801.3.E and Stormwater Management Design Manual Section 2.31., authorizes up

to a 50% reduction of allowable discharge rate from any new development in a flood prone area. Manatee County has 11 watersheds

which have a 50% reduction in allowable runoff for new developments. The aforementioned policy assists the County with the CRS

together with County floodplain policy for discounted flood insurance premium rates. The County has established 25 year 24 hour

floodplains that have also been mapped into GIS and for which compensation is required in addition to encroachment that occurs in the

100 year FEMA Floodplain. County Land Development Code 802.6.B establishes floodplain management standards and minimum finished

floor elevations to protect from flooding. Land Development Code 801 protects quantity and quality of ground and surface waters,

groundwater recharge, prevent and reduce salt water intrusion, prevents adverse impacts on adjacent

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property from diverting flow of

surface water, and prevent flood hazards and flood proofing to prevent property damage and loss of life. In addition to reductions noted

above, County requires conformance with SWFWMD ERP regulations and special protection within watershed protection areas such as

Evers Watershed and Lake Manatee Reservoir. County maintains GIS database including stormwater inventory and FEMA floodplain areas.

The County stormwater inventory has also been converted into the GWIS format utilized by the SWFWMD including an electronic copy

of existing stormwater system and ERP related record drawings. County cooperatively assists with precipitation and stream gages in the

County and area including 27 rain and stream gauges that will provide information for the watershed study. In addition to reductions noted above, County requires conformance with SWFWMD ERP regulations and provides special water quality protections within the

watersheds of potable water reservoirs such as the Evers Reservoir and Lake Manatee. The County implements all elements of a Phase-I

NPDES MS4 permit which includes various BMPs, protection from illicit discharges and requires routine inspections and enforcement for

compliance with applicable water quality standards including those relating to impaired waters and TMDLs. The Storm Water Management Program (SWMP) provides the following water quality improvement services: 1) County-wide (jurisdictional Manatee County) street sweeping and data collection and analyses to estimate pollutant load reduction benefits from this program; 2) County-wide MS4 inspection and maintenance program for structural controls and roadway collection systems, 3) Public education and outreach elements including storm drain stenciling, support for Florida Friendly Landscaping (tm) and specialized outreach channels such as the Manatee Water Atlas and 5) Miscellaneous services such as Adopt-a-Road, litter collection and household hazardous waste collection. The County NPDES-MS4 permit includes an approved monitoring program. SWMP effectiveness is formally evaluated annually. The County has adopted Ordinances regulating Illicit Connections and Discharges through the MS4 (00-02), Fertilizer use (11-21) and Solid Waste (Pet Waste) disposal (85-11) that limit nutrients to receiving water bodies. The County also has a long-term environmental monitoring program (about 80 stations, 30 year record) and a credentialed environmental laboratory to evaluate the success of regional environmental management initiatives. Manatee County is a participant in the Tampa Bay Nitrogen Management Consortium and the Tampa Bay Regional Resiliency Coalition. The County Public Works Department is APWA certified.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	492,000	492,000	984,000
District Share	0	0	492,000	492,000	984,000
Total	0	0	984,000	984,000	1,986,000

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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Project Development	3/31/2026
Watershed Evaluation	9/30/2027

Floodplain Analysis 3/31/2029

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Project Name: Myakka River Watershed (Manatee County Portion) Project Number: Q422 Manatee County Cooperator: Contact Person: Kenneth Kohn, P.E., Sr. Project Department: Manatee County **Engineer Public Works Department** Address: 1022 26th Avenue East 9417087450 Phone #: 7254 **City State Zip:** Bradenton, FL 34208 Ext: Email: kenneth.kohn@mymanatee.org **Project Type: Flood Protection** Strategic Initiatives: **Floodplain Management**

Project Description/Benefit/Cost

Description:

This project completes for the Myakka River Watershed (Manatee County Portion): 1) The Watershed Evaluation and Watershed Management Plan elements of the District's Watershed Management Program (WMP) which will be used by the County to perform alternatives Analysis for flood mitigation and for water quality improvements. In addition, the County will update the FEMA FIRM with this information. This watershed comprises roughly 180 square miles and is depicted on the attached Watershed Map. The purpose of this study is to determine floodplain delineation resulting from a 100-year/24-hour storm frequency rainfall event, flood mitigation alternatives and for water quality improvement analysis. A Myakka River Study was completed by SWFWMD in December 2013 (Myakka River Watershed Initiative H048). The stated purpose of that effort was to develop a stormwater model for the Myakka River watershed to be used as a tool to evaluate potential BPs within the watershed. The study used 2D and 1D components. The model is cumbersome and difficult to use both by Manatee County staff and consultants. It also relies on a date certain of 2005-2007 and is already almost 20 years old. Due to recent significant Storm Events of Hurricane Ian and Hurricane Debby resulted in significant flooding in this watershed and the model needs to be update or redone entirely. The information in the aforementioned study should prove helpful to the watershed analysis being requested by Manatee County. In addition, the study is timely as Sarasota County is also pursuing a watershed study of the Myakka River. The significant upstream portion of Manatee County portion of the watershed is critical to model for accurate determination of the downstream portion of the Myakka River in Sarasota County. The watershed consists primarily of agricultural lands, and mixed residential areas with minor commercial/industrial development and has existing flooding problems. Significant areas remain for both future residential and commercial/industrial development. Given the known flooding, and future development potential it is critical to establish updated flood stages to protect from adverse impacts from flooding as well as to propose flood mitigation alternatives and water quality assessment. The County will utilize the the study for flood mitigation alternatives analysis which will provide cost/benefit options and level of service improvements for reduction in flood stages in flood prone areas. County also will use this information to update FEMA FIRM Maps which for this area as existing FEMA information is over 30 years old. This project

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will also provide new watershed information for use with Water Quality BMP (Best Management Practices) Alternatives Analysis (referred to as a BA collectively) for the project area to identify Water Quality improvement options. The County will use this information to develop pollutant load reduction strategies within the project watershed, including structural, non-structural or natural systems BMPs to improve water quality within the project waterbodies and receiving waters. Guidance will include BMP cost effectiveness estimates, but in highly developed areas may preferentially focus on Low Impact Development (LID) retrofits. Water Quality benefits will also be incorporated in the Flood Alternatives Assessment. Water quality improvement will support efforts required through the NPDES MS4 program.

Benefit:

The watershed model, floodplain analysis and utilization of this information by the County for the identification of flood mitigation alternatives will provide critical information that identifies flood damage risks and cost effective flood mitigation alternatives required for the inevitable future development of the Lake Manatee watershed. The current study is cumbersome and difficult to use based on the 2D modeling components and is already almost 20 years old. Sub watersheds of the project area includes regional or intermediate stormwater systems. The impacts in this watershed from the recent Hurricane Ian and most recently Debby (August 2024) further highlights the need to update this model. The study also assists in obtaining lower ranking in the FEMA CRS which may lead to lower flood insurance premiums. Resource benefits includes analysis of existing flooding and water quality problems. The results of this study will be utilized in the future to assess potential water quality issues in the watershed and analyze solutions to improve water quality.

Cost:

Total project cost: \$2,880,000. Manatee County Cost-\$1,440,000. District Cost \$1,440,000. Cost was estimated based on on-going Watershed

Studies and assistance from SWFWMD staff with estimates from the Evaluation Guidelines table for cost per square mile and points

awarded for costs of a WMP within the noted range.

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

Manatee County has applied for funding through USGS for 2025 LiDAR. We anticipate all of Manatee County LiDAR being updated to SWFWMD standards next year if approved by USGS.

The Manatee County Land Development Code, Section 801.3.E and Stormwater Management Design Manual Section 2.31., authorizes up

to a 50% reduction of allowable discharge rate from any new development in a flood prone area. Manatee County has 11 watersheds

which have a 50% reduction in allowable runoff for new developments. The aforementioned policy assists the County with the CRS

together with County floodplain policy for discounted flood insurance premium rates. The County has established 25 year 24 hour

floodplains that have also been mapped into GIS and for which compensation is required in addition to encroachment that occurs in the

100 year FEMA Floodplain. County Land Development Code 802.6.B establishes floodplain management standards and minimum finished

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floor elevations to protect from flooding. Land Development Code 801 protects quantity and quality of ground and surface waters,

groundwater recharge, prevent and reduce salt water intrusion, prevents adverse impacts on adjacent property from diverting flow of

surface water, and prevent flood hazards and flood proofing to prevent property damage and loss of life. In addition to reductions noted

above, County requires conformance with SWFWMD ERP regulations and special protection within watershed protection areas such as

Evers Watershed and Lake Manatee Reservoir. County maintains GIS database including stormwater inventory and FEMA floodplain areas.

The County stormwater inventory has also been converted into the GWIS format utilized by the SWFWMD including an electronic copy

of existing stormwater system and ERP related record drawings. County cooperatively assists with precipitation and stream gages in the

County and area including 27 rain and stream gauges that will provide information for the watershed study. In addition to reductions noted above, County requires conformance with SWFWMD ERP regulations and provides special water quality protections within the

watersheds of potable water reservoirs such as the Evers Reservoir and Lake Manatee. The County implements all elements of a Phase-I

NPDES MS4 permit which includes various BMPs, protection from illicit discharges and requires routine inspections and enforcement for

compliance with applicable water quality standards including those relating to impaired waters and TMDLs. The Storm Water Management Program (SWMP) provides the following water quality improvement services: 1) County-wide (jurisdictional Manatee County) street sweeping and data collection and analyses to estimate pollutant load reduction benefits from this program; 2) County-wide MS4 inspection and maintenance program for structural controls and roadway collection systems, 3) Public education and outreach elements including storm drain stenciling, support for Florida Friendly Landscaping (tm) and specialized outreach channels such as the Manatee Water Atlas and 5) Miscellaneous services such as Adopt-a-Road, litter collection and household hazardous waste collection. The County NPDES-MS4 permit includes an approved monitoring program. SWMP effectiveness is formally evaluated annually. The County has adopted Ordinances regulating Illicit Connections and Discharges through the MS4 (00-02), Fertilizer use (11-21) and Solid Waste (Pet Waste) disposal (85-11) that limit nutrients to receiving water bodies. The County also has a long-term environmental monitoring program (about 80 stations, 30 year record) and a credentialed environmental laboratory to evaluate the success of regional environmental management initiatives. Manatee County is a participant in the Tampa Bay Nitrogen Management Consortium and the Tampa Bay Regional Resiliency Coalition. The County Public Works Department is APWA certified.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	720,000	720,000	1,440,000
District Share	0	0	720,000	720,000	1,440,000
Total	0	0	1,440,000	1,440,000	2,880,000

Matching Fund Reduction

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

Timelines

Project Development	3/31/2026
Watershed Evaluation	3/31/2028
Floodplain Analysis	3/31/2030

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Project Name:	Glen Creek Flood Mitigation				
Project Number:	Q425	Cooperator:	Manatee County		
Contact Person:	Kenneth Kohn	Department:	Manatee County		
Address:	1022 26th Avenue East	Phone #:	9417087450		
City State Zip:	Bradenton, FL 34208	Ext:	7254		
Email:	Kenneth.Kohn@mymanatee.org				
Project Type:					
Water Quality Flood Protection					
Strategic Initiatives:					
Water Quality Maintenance and Improvement Floodplain Management					

Project Description/Benefit/Cost

Description:

Glen Creek Flood Mitigation project (the "Project") is a Flood Protection and Stormwater Improvements project in Manatee River watershed (potentially also watershed evaluation) In Manatee County (The "County"), Florida. This Project will increase the culvert capacity at the 15th Street East and 27th Street East Crossings by upsizing two crossing pipes as well as adding a bypass channel around Sugar Creek Resort to mitigate and minimize extreme local flooding issues. The widespread flooding across the entire Manatee River Watershed affects local residential family communities, business and industrial infrastructure, and farmland in the surrounding area.

Glen Creek is 2.71 miles long, west of 15th Street East and north of 26th Avenue East in Manatee County, Florida. The affected region prioritized by this Project include any areas directly draining into Glen Creek, the Tropicana area, 14th Street East, and the Sugar Creek Resort community (See Figures 1-3 from the Analysis Report). In a 100-year 24-hour storm event most of the southern portion of the 14th Street East community would experience flooding and the entire roadway would experience standing water (Figure 2). According to USGS.gov. a flood of this magnitude has a 1 percent chance of happening in a year but can happen consecutive years in a row. This road then slopes south and discharges into the Glen Creek headwaters through two existing pipes. The widespread flooding that currently afflicts the entire Manatee River Watershed is primarily due to undersized infrastructure, encroachment into the historical floodplain, large amounts of impervious surfaces - surfaces made up of artificial water-resistant materials that prevent water absorption - and inconsistent flowline elevations in the creek. The Sugar Creek Resort community also has existing low elevation which is susceptible to flooding.

The proposed Project completed a watershed study and a total of three alternatives were analyzed with a cost estimate for each proposed alternative created using the Florida Department of Transportation's (FDOT) Historical Item Average Cost Reports. The Project has decided to pursue project Alternative #1 based on the cost-benefit analysis and biggest flood change difference comparing before and after the implementation of

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the different alternatives. The watershed study report reflects that Analysis #1 deemed the existing 53" x 83" corrugated metal pipe (CMP) found at the 15th Street East crossing (the "Crossing") and two additional CMP culverts 72" and 53" x 83" in size west of the Crossing as undersized and contributing to current flooding issues. The proposed solution is to replace the three culverts in the area around the Crossing replaced with two 60" circular RCP pipes in each location and the 27th Street East crossing will be replaced with two 72" circular pipes. The increase in the flood stage in the Sugar Creek Resort community from the increased culvert sizes will be avoided by adding the proposed bypass ditch around the west and north sides of the resort for the excess water to flow to Manatee River. The bypass channel is projected to have a 5 ft wide bottom and a 4:1 side slope ranging from 4-5 ft deep but future designs may be adjusted in order to utilize the local golf course ponds found north of Sugar Creek. Improvement of surface water quality is a benefit of the Project since the overall The County requests \$1,796,385, 50% (percent) of the total project cost total of \$3,592,769, in Southwest Florida Water Management District Flood Mitigation (SWFWMD) funds to fulfill the proposed Project.

An Alternative Analysis Report for Glen Creek Flood Mitigation has been completed and is included with this application as an attachment.

Benefit:

An Interconnected Channel and Pond Routing (Version 4 (ICPR4)) model was developed to determine the impact of Alternative #1. First, a revised existing conditions model (RECM) was created. This model was then updated with the proposed conditions of Alternative #1, including the addition of a bypass channel near the Sugar Creek Resort community and the upsizing of two crossing pipes located at 27th St East and 15th St East. A comparison of the models found that the peak flood stage data for all four design storms showed a decreased flood stage in the three priority areas of concern noted previously - the Tropicana area, 14th Street East, and the Sugar Creek Resort community. Based on the results, the mean annual 24-hour storm maximum stage decreased as much as 1.23 feet (ft) at one node. That same node saw a 1.66 ft decrease in stage during the 10-year 24-hour storm, a 1.84 ft decrease during the 25-year 24-hour storm, and a 1.34 ft decrease during the 100-year 24-hour storm.

Additionally, a proposed baffle box is estimated to remove roughly 19% Total Nitrogen (TN) and 16% Total Phosphorus (TP) from the stormwater that enters through the box. This will remove approximately 192 lbs of TN and 135 lbs of TP annually, and approximately 5,759 lbs of TN and 4,036 lbs of TP in the baffle boxes 30-year lifespan.

A benefit analysis was completed using the Federal Emergency Management Agency (FEMA) Benefit-Cost Analysis (BCA) Toolset. This methodology uses the building footprints removed from the floodplain to create a monetary benefit based upon the structures reduced flood damages during a given flood event. Due to the lack of known finished floor elevations (FFEs) across the entire watershed, only the relative reduction in flood stage and the buildings removed from floodplain are considered in the benefit calculations. The methodology does not consider the buildings that may remain inundated, but at a lesser flood depth due to the lack of FFE information. It is important to note that a more in-depth analysis, that includes the FFE for each home, may show fewer homes within the floodplain, a different quantity of damages avoided, and a different benefit-cost ratio for the proposed alternatives. The storm events utilized in the FEMA BCA calculation were the 2.33-year, 10-year, 25-year, and the 100-year 24-hour storm events. It was found that Alternative #1

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significantly reduced the number of homes within the floodplain in comparison to the RECM. During the mean annual 24-hour storm, Alternative #1 provided 20 homes with flood relief – a 48.8% reduction in homes affected versus the RECM. 45 homes, or 32.1% of homes, were provided with flood relief during the 10-year 24-hour storm. 83 homes, or 27.9% of homes, were provided with flood relief during the 25-year 24-hour storm. 88 homes, or 19.8% of homes, were provided with flood relief during the 100-year 24-hour storm.

Cost:

A cost estimate for the proposed alternative was created using the Florida Department of Transportation's (FDOT) Historical Item Average Cost Reports. The average of the statewide 6-month,12-month, and market area moving averages were used as each pay items estimated cost. Quantities for new culvert pipe assumed that the length of the existing pipes would be matched in the proposed conditions. Quantities for items such as earthwork, road construction, and clearing and grubbing were made based upon the best available information and the design criteria available in the current Manatee County standards. The Manatee County standards for the required trench size to accommodate the proposed pipes was used as the basis for all quantity takeoffs centered around the culvert replacements. Baseline assumptions for ditch depths and widths were made to quantify the required excavation for both the bypass ditch and lowering the flow line of the existing Glen Creek. Mobilization fees, maintenance of traffic costs, and contingencies were also added to the estimates as a percentage of the total cost. Additional costs for geotechnical services, rock excavation, utility relocation, and soil transportation were added to account for items not found in the FDOT Master Pay Item List. The estimated cost of the Project was \$3,592,769. The County requests \$1,796,385, 50% (percent) of the total project cost total in SWFWMD funds to fulfill the proposed Project

Cost effectiveness was measured based on the FEMA Benefit-Cost Analysis Toolset described in the previous section. To calculate a monetary value associated with each of the buildings affected by the Alternative #1, each building footprint was associated with their parent parcel. Then by using the available Manatee County parcel data, the just value of each parcel was assigned to the buildings in question. For parcels with multiple structures, a portion of parcels total just value was used based upon the total number of structures in the parcel and the number of those structures in the floodplain. Once just values were assigned to each parcel and building, the FEMA guidelines for benefit analysis were used to generate the total damages associated with the flood reductions provided by Alternative #1. The total monetary benefit from the flood reductions associated with this alternative over a 30-year project lifespan is estimated to be \$7,907,705. The estimated benefit-cost ratio of this alternative is 2.74. According to FEMA, a project is considered cost-effective when the BCR is 1.0 or greater.

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

The Manatee County LDC, Section 801.3.E authorizes up to a 50% reduction of allowable discharge rate from any new development in a flood prone area. The policy assists the County with the FEMA Community Rating System (CRS) together with County floodplain policy for discounted flood insurance premium rates. The County has established 25-year 24-hour floodplains that have also been mapped into GIS and for which compensation is required in addition to encroachment that occurs in the 100-year FEMA Floodplain. LDC 801 protects quantity and quality of ground and surface waters, groundwater recharge, prevent and reduce saltwater intrusion, prevents adverse impacts on adjacent property from diverting flow of surface water, and prevent flood hazards and flood proofing to prevent property damage and loss of life. In addition to reductions

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noted above, the County requires conformance with SWFWMD ERP regulations and special protection within watershed protection areas such as Evers Watershed and Lake Manatee Reservoir. The County also implements the MS4 NPDES permit which includes various BMPs, protects from illicit discharges and requires routine inspections and enforcement for compliance with applicable water quality standards including those relating to impaired waters and the Total Maximum Daily Loads (TMDL) two-year work plan. The County maintains GIS database including stormwater inventory and FEMA floodplain areas.

The Air and Watershed Management program (AWMP) is responsible for: 1) Monitoring the air and water quality of the County to meet various regulatory requirements; 2) Coordinating compliance with the MS4 permit and implementing the County's stormwater ordinance; 3) Implementing the County's biosolids landspreading ordinance; and 4) Evaluating waterbody impairments and watershed management plans. The Air and Watershed Management program also investigates citizen complaints related to water quality, stormwater systems, algae blooms, fish kills, and landspreading.

The Stormwater Management Program (SWMP) provides the following water quality improvement services: 1) County-wide (jurisdictional) street sweeping and data collection and analyses to estimate pollutant load reduction benefits from this program; 2) County-wide MS4 inspection and maintenance program for structural controls and roadway collection systems, 3) Public education and outreach elements including storm drain stenciling, support for Florida Friendly Landscaping (tm) and specialized outreach channels such as the Manatee Water Atlas and 5) Miscellaneous services such as Adopt-a-Road, litter collection and household hazardous waste collection. SWMP effectiveness is formally evaluated annually.

The County has adopted Ordinances regulating Illicit Connections and Discharges through the MS4 (00-02), Fertilizer use (11-21) and Solid Waste (Pet Waste) disposal (85-11) that limit nutrients to receiving water bodies. The County cooperatively operates a countywide network of 37, combined, continuous stream/rain gauges that provide information for the watershed studies. Manatee County is a participant in the Tampa Bay Nitrogen

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	898,192	898,193	1,796,385
District Share	0	0	898,192	898,193	1,796,385
Total	0	0	1,796,384	1,796,386	3,592,770

Matching Fund Reduction

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

Timelines

Preliminary Design	2/01/2026
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Full Design and Permitting 1/04/2027

RFP Advertisement and 9/01/2027 Bid

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Construction	11/15/2027
Complete Construction	5/28/2029
As-Built Survey and Record Drawings	6/30/2029
Project Closeout	7/30/2029

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Project Name:	Water Quality Improvement Phase M	
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Project Number:	Q436	Cooperator:	Holmes Beach
Contact Person:	Sage Kamiya	Department:	Holmes Beach
Address:	5801 Marina Drive	Phone #:	9417085800
City State Zip:	Holmes Beach, FL 34217	Ext:	245
Email:	skamiya@holmesbeachfl.org		

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This project aims to design and construct stormwater best management practices (BMPs) to reduce nutrient loads entering Sarasota Bay and Tampa Bay, both classified as Class II Impaired Water Bodies. By targeting nutrient reduction, we anticipate ecological benefits for these waterways.

Benefit:

The project aims to reduce stormwater runoff nutrient (total phosphorus and total nitrogen) loads discharging from approximately 9 acres of the City into Sarasota Bay and Tampa Bay. The total phosphorus removal is estimated at 7 lb/yr and the total nitrogen removal is estimated at 45 lb/yr.

Cost:

The anticipated total cost for the project is \$1,871,700.00. This figure encompasses all necessary expenses, including materials, labor, equipment, and any additional overhead costs required to successfully complete the project.

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

In addition to the City's stormwater utility, there is an active maintenance program that includes street sweeping, regular maintenance, and efforts to reduce impervious surfaces.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	0	82,050	853,800	935,850
District Share	0	0	82,050	853,800	935,850
Total	0	0	164,100	1,707,600	1,871,700

Matching Fund Reduction

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

Timelines

Design	9/30/2026
Permitting	1/31/2027
Bidding and Contractor Selection	4/30/2027
Construction	3/31/2028
Close-out	5/31/2028

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Project Name:	Floodplain and Alternatives Analyses				
Project Number:	Q437	Cooperator:	Holmes Beach		
Contact Person:	Sage Kamiya	Department:	Holmes Beach		
Address:	5801 Marina Drive	Phone #:	9417085800		
City State Zip:	Holmes Beach, FL 34217 Ext: 245				
Email:	skamiya@holmesbeachfl.org				
Project Type:					
Flood Protection					
Strategic Initiatives:					
Floodplain Management					
Project Description/Benefit/Cost					

Description:

The project proposes to migrate the City's existing ICPR stormwater model to StormWise and update it to reflect recent changes in the watershed and infrastructure since the original model was developed. The updated model will be calibrated based on data collection and monitoring efforts to enhance its accuracy. The model will simulate the mean annual, 10-, 25- and 100-year 24-hour design storms.

The engineering team will collaborate with the City and its stakeholders to conduct public workshops and establish stormwater level of service (LOS) categories. The model will then be reviewed and analyzed in relation to these LOS categories to develop alternative designs aimed at bringing areas up to acceptable standards. Ultimately, the results will help identify flood-prone areas and inform city-wide projects aimed at mitigating flood risks.

Benefit:

The proposed model migration updates will enable the City of Holmes Beach to gain a better understanding of its response to storms and compound flooding events, while also identifying flood-prone areas. This enhanced understanding will help the City focus its flood-risk mitigation projects that offer the greatest benefit at the lowest cost, addressing the needs of its residents effectively. Given that the Holmes Beach watershed's topography is largely flat, higher-resolution water surface predictions in key areas are essential for planning and implementing efficient flood mitigation strategies. With the updated model in StormWise, the City will be able to conduct cost-benefit analyses for various stormwater infrastructure improvement projects. This financial evaluation will assess the level of service provided by proposed plan options and serve as a valuable decision-making tool, detailing the expected outcomes after project implementation.

Cost:

The anticipated total cost for the project is \$401,300.00. This figure encompasses all necessary expenses, including materials, labor, equipment, data collection and surveying, and any additional overhead costs

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required to successfully complete the project.

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

The City of Holmes Beach is has begun to update its existing stormwater files, GIS system, and existing stormwater model. This effort will be accelerated by this project and the use of professional engineering services with the focus on developing an understanding of the stormwater management capacity of the Anna Maria Island watershed, its level of service, and conducting an alternative analysis to address stormwater management deficiencies.

The City is actively implementing several best management practices (BMPs) aimed at reducing the amount of impervious surface area connected to the stormwater system discharging into Anna Maria sound, which is designated as a nutrient impaired water body by FDEP. These projects include infiltration trenches, bioretention swales, and pervious pavement; all designed to retain runoff and enhance infiltration and evaporation. As a result, discharges of nitrogen and phosphorus into Anna Maria sound, Sarasota Bay, and Tampa Bay are significantly reduced. Nitrogen has been identified as the limiting nutrient in Tampa Bay, as noted by the Tampa Bay Estuary Reasonable Assurance Plan.

Additionally, the City operates a water quality monitoring program that assesses total nitrogen and other parameters at major drainage outfalls on a quarterly basis. While the program is not part of the current project, it underscores the City's commitment to understanding and improving local water quality and its impact on the bay. The monitoring results inform planning for future water quality initiatives and help identify basins that require review or increased maintenance.

To support BMP implementation and maintenance as well as other stormwater related projects, the City levies a No-Ad Valorem Assessment on its property owners. The current assessment rate is \$2.96 per 100 square feet.

Funding Source	Prior Funding	FY2025	FY2026	Future Funding	Total Funding
Applicant Share	0	15,000	88,800	104,350	208,150
District Share	0	0	88,800	104,350	193,150
Total	0	15,000	177,600	208,700	401,300

Matching Fund Reduction

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

Timelines

Data Collection and	8/31/2026
Monitoring	
Model Updates and Alternatives Analyses	4/30/2027
Project Completion	9/30/2027

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 <u>ADACoordinator@WaterMatters.org.</u> 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 <u>WaterMatters.org/ADA</u>