SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Southern Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Southwest Florida
Water Management District

Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899
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WaterMatters.org

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MEETING NOTICE

SOUTHERN REGION

FISCAL YEAR 2019 COOPERATIVE FUNDING INITIATIVE PUBLIC MEETING

APRIL 11, 2018 • 10:00 A.M.

SARASOTA OFFICE

6750 FRUITVILLE ROAD • SARASOTA, FLORIDA
(941) 377-3722 • 1-800-320-3503

All meetings are open to the public.

AGENDA

1. Call to Order and Pledge of Allegiance
2. Introductions
3. Approval of February 14, 2018 Meeting Minutes
4. CFI Final Staff Rankings and Recommendations
   - *Project Presentations*
5. Receive Additional Public Comment
6. Adjournment

If you have any questions concerning this meeting,
please call Cara Martin at 1-800-423-1476
or 352-796-7211, extension 4636.

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Southwest Florida Water Management District
Southern Region
FY2019 Proposed Project Funding
April 11, 2018

Project	Cooperator	Project Name	Rank	District Prior Funding	FY2019 Proposed District Funding	District Future Funding
N838	Bradenton	SW IMP - Flood Protection - City of Bradenton 71st St W Improvements	1A	30,000	30,000	0
N858	Arcadia	WMP - City of Arcadia Watershed Management Plan	1A	120,000	105,000	0
W218	Anna Maria	SW IMP - Water Quality - Anna Maria BMPs North Shore	1A	313,000	155,000	0
W638	Holmes Beach	SW IMP - Water Quality - Holmes Beach BMPs Basins 1,2,6,7 and 10	1A	460,360	276,216	0
N786	Sarasota Co	Dona Bay Surface Water Storage Facility	H	1,200,000	800,000	2,000,000
N823	PRMRWSA	AWS Interconnect - PRMRWSA Regional Integrated Loop System Phase 3B	H	1,230,000	5,700,000	1,170,000
N842	Bradenton	DAR - City of Bradenton Aquifer Protection Recharge Well	H	500,000	1,000,000	1,025,000
N854	PRMRWSA	ASR - PRMRWSA Partially Treated Water ASR	H	120,500	375,000	3,269,500
N912	Braden Rvr Util	ASR - Braden River Utilities ASR Feasibility	H	1,945,625	790,625	261,250
N947	Sarasota Co	Study - Midnight Pass Road Flood Control Study	H	0	150,000	0
N979	North Port Util	Conservation - North Port Water Distribution System Looping	H	0	352,000	0
N982	Manatee Co	Conservation - Manatee County Toilet Rebate Project, Phase 12	H	0	75,500	0
N991	Sarasota Co	WMP - Sarasota Bay Watershed Management Plan BMP Analysis	H	0	200,000	100,000
N992	Venice	Conservation - City of Venice Toilet Rebate and Retrofit Project - Phase 6	H	0	29,450	0
Q005	Tropicana North America	Reclaimed Water - Tropicana Industrial Reclaimed Water Construction Project	H	0	2,350,000	0
Q008	FDEP	Study - Upper Myakka Lake Water Control Structure and Restoration Options	H	0	110,000	0
Q015	DeSoto Co	Study - Spring Lake Stormwater BMP Analysis	H	0	99,000	0
Q020	Braden River Util	Conservation - Braden River Utilities Soil Moisture Sensor Rebate Program Phase 2	H	0	154,000	0
W215	Anna Maria	SW IMP - Water Quality - Anna Maria North Island BMPs Phase H and J	H	0	307,231	149,519
W302	Palmetto	SW IMP - Water Quality - Southeast Riverside Water Quality Improvements	H	0	100,000	600,000
W639	Bradenton Beach	SW IMP - Water Quality - Bradenton Beach BMPs Avenues B and C	H	0	70,465	195,000
N780	Punta Gorda	Brackish - Punta Gorda RO Facility	M	9,075,000	6,575,000	0
N974	North Port Util	SW IMP - Flood Protection - Construction of Cocoplum Water Control Structure	L	0	900,000	0
Q030	North Port Util	Reclaimed Water - North Port Reclaimed Water Transmission Main - Phase 4	L	0	750,000	1,000,000
W213	Manatee Co	SW IMP - Water Quality - Rubonia Subdivision Stormwater Management Improvement Project	L	0	784,685	0
			Southern Region Total:	**$22,239,172**	**$9,770,269**	

Project No. N838	SW IMP - Flood Protection - City of Bradenton 71st St W Improvements	
City of Bradenton		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	The project consists of the design, permitting and construction of improvements to the existing drainage system along 71st Street West located in the City of Bradenton. A WMP has been recently completed and provides the flooding extent of the project area along with this alternative as a flood reduction and water quality improvement project. FY2019 funding will be used to complete comstruction.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting and construction of drainage system improvements along 71st Street West in the City of Bradenton.
Costs:	Total project cost $120,000 (Design, permitting, and construction) City of Bradenton share $60,000 District $60,000 with $30,000 budgeted in previous years and $30,000 requested for FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	Medium	The Resource Benefit of the project will reduce the existing flooding problem during the 25-year, 24-hour storm event. Street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	High	Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to roads.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project reduces street flooding, provides additional water quality treatment and improves public safety for a critical facility (Seabreeze Elementary).

Funding

Funding Source	Prior	FY2019	Future	Total
City of Bradenton	$30,000	$30,000	$0	$60,000
District	$30,000	$30,000	$0	$60,000
Total	$60,000	$60,000	$0	$120,000

Project No. N858	WMP - City of Arcadia Watershed Management Plan	
Arcadia		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) for the Arcadia Watershed in the City of Arcadia. FY2019 funding will be used to complete the Watershed Evaluation, Watershed Management Plan, Level of Service Determination, Surface Water Resource Assessment, and BMP Alternative Analysis. The City requested to be in the lead role for this project and will be responsible for retaining consultant to perform project tasks.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a Watershed model and floodplain analysis; information that is critical to better identify risk of flood damage and cost effective alternatives.
Costs:	Total project cost $300,000 City of Arcadia (25% REDI): $75,000 District: $225,000 with $120,000 budgeted in previous years and $105,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($30,001 to $50,000/sq mi) for WMPs completed in urban watersheds.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Low	Cooperator is not participating in the Community Rating System program.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning**: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood zone determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area. Arcadia qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$120,000	$105,000	$0	$225,000
Arcadia (REDI)	$40,000	$35,000	$0	$75,000
Total	$160,000	$140,000	$0	$300,000

Project No. W218	SW IMP - Water Quality - Anna Maria BMPs North Shore	
City of Anna Maria		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 3 of 3

Description	
Description:	Design, permitting and construction of stormwater retrofits in the City of Anna Maria to improve water quality discharging to Tampa Bay, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of LID BMPs to treat approximately 77.6 acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $936,000 (Design, permitting, construction) City of Anna Maria: $468,000 District: $468,000, with $313,000 budgeted in previous years, and $155,000 requested in FY2019.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 68,200 lb/yr TSS, and 1,452 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is below the historical average of $20/lb TSS and $646/lb TN, and the cost/acre treated is below the historical average cost of $46,947/acre treated for Coastal/LID projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	Project is on schedule and budget.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Fund as 1A Priority.	This ongoing project has an effective sediment and nutrient removal cost, and will continue efforts by the City to reduce stormwater impacts to Tampa Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$313,000	$155,000	$0	$468,000
City of Anna Maria	$313,000	$155,000	$0	$468,000
Total	$626,000	$310,000	$0	$936,000

Project No. W638	SW IMP - Water Quality - Holmes Beach BMPs Basins 1,2,6,7 and 10
Holmes Beach	FY2019

Risk Level:	Type 3	Multi-Year Contract: Yes, Year 3 of 3

Description

Description:	Design, permitting, and construction of stormwater retrofits in City of Holmes Beach to improve water quality discharging to Sarasota Bay, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 127 acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $1,473,152 (Design, permitting, construction) City of Holmes Beach share: $736,576 District: $736,576, with $460,360 budgeted in previous years, and $276,216 requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Sarasota Bay, a SWIM priority water body, by an estimated 111,600 lb/yr TSS, and 2,377 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is lower than the historical average of $20/lb TSS and $646/lb TN, and the cost/acre treated is below the historical average cost of $46,947/acre treated for Coastal/LID projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project has an effective sediment and nutrient removal cost, and will continue efforts by the City to reduce stormwater impacts to Sarasota Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$460,360	$276,216	$0	$736,576
Holmes Beach	$460,360	$276,216	$0	$736,576
Total	$920,720	$552,432	$0	$1,473,152

Project No. N786	Dona Bay Surface Water Storage Facility	
Sarasota County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Construction of a 380 acre surface water storage and treatment facility to improve water quality in Dona Bay. This Facility is in the second stage of the implementation plan for Dona Bay. Project design and associated costs are currently being reviewed by the County.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a 380 acre storage and treatment facility in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $8,000,000 (Third Party Review and Construction. Final design will be subject to a third party review to confirm cost estimate.) Sarasota County: $4,000,000 District: $4,000,000, with $1,200,000 budgeted in previous years, $800,000 requested in FY2019 and $2,000,000 anticipated to be requested in future years.

Evaluation

Application Quality:	Medium	The application included most of the required information identified in the CFI Guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefits of the project is the reduction of pollutant loads by an estimated 940 lbs/year of TN and a 10% improvement in saltwater habitat of over 77 acres.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is higher than historical average of $224/lb. The cost effectiveness is solely an analysis of the estimated project cost as compared to the costs of similar projects. However, the project will offer a significant benefit related to improved saltwater habitat and increased salinity in Dona Bay.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	The County has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Strategic Initiative - Conservation and Restoration**: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as High Priority.	The Cooperator has funded design and permitting using its own funds. The District will complete the third party review after the County executes the 2018 Cooperative Funding agreement and finalizes project design and costs. Anticipating favorable results from the third party review, and with the understanding that the Governing Board will need to provide approval to proceed, this project is recommended for funding.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$1,200,000	$800,000	$2,000,000	$4,000,000
Sarasota County	$1,200,000	$800,000	$2,000,000	$4,000,000
Total	$2,400,000	$1,600,000	$4,000,000	$8,000,000

Project No. N823	AWS Interconnect- PRMRWSA Regional Integrated Loop System Phase 3B	
PRMRWSA		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 3 of 5

Description

Description:	The project will design and construct an extension of the Authority's Regional Integrated Loop System to provide a regional water transfer and delivery system for existing and future drinking water sources within the Authority's four-county service area. The project will extend the Authority's regional pipeline system from the current terminus of the Phase 3A Interconnect along Cow Pen Slough, northward approximately 5.2 miles to Clark Road (SR-72) in central Sarasota County. Funding in FY2019 will support construction phase.
Measurable Benefit:	The Measurable Benefit which will be the contractual requirement is the construction of a component of the Regional Integrated Loop System to deliver an estimated 7 mgd of alternative water supplies, promote regional resource management efforts, and support water supply goals within the SWUCA.
Costs:	Total project cost: $16,700,000 (Design, permitting, third-party review, and construction) Authority share: $8,100,000 District: $8,100,000 State share: $500,000, budgeted by Authority and applied to final design. The initial conceptual total project cost submitted in FY2017 was $26,967,000. The current revised cost is $16,700,000 based on completion of 30% Design.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The resource benefit is the improved regional distribution of alternative water supplies in the SWUCA.
Cost Effectiveness:	High	The cost effectiveness appears reasonable and consistent with the District 's average costs for similar projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Applicant provides wholesale alternative water supplies to Charlotte, DeSoto, and Sarasota Counties and the City of North Port.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The third-party review is complete and was presented to the Governing Board on January 23rd, 2018. The Governing Board approved amending the Authority's Cooperative Funding Agreement to continue through project final design, permitting, and construction at a total project cost of $16,700,000 for the approximately 5.2-mile interconnect with a District share of $8,100,000. Ranking has changed from 1A to High due to decrease in project cost and reevaluation.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$1,230,000	$5,700,000	$1,170,000	$8,100,000
Authority	$1,230,000	$5,700,000	$1,170,000	$8,100,000
State	$500,000	$0	$0	$500,000
Total	$2,960,000	$11,400,000	$2,340,000	$16,700,000

Project No. N842	DAR - City of Bradenton Aquifer Protection Recharge Well	
City of Bradenton		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 5

Description

Description:	Continuation of the FY2018 project to include final design, permitting, construction, testing, and independent performance evaluation of one Upper Floridan aquifer treated wastewater and/or local storm water recharge well site with monitor wells, and ancillary surface facilities. The site will consist of one 5 mgd recharge well, two monitoring wells, and necessary transmission and appurtenances for recharge and monitoring. Funding was approved in FY2018 for 30% design and third-party review (TPR). FY2019 funds are to complete the design of the recharge well, monitor wells, and the surface facilities, and to begin well construction. Future funding will be for construction, testing and independent performance evaluation.
Measurable Benefit:	The contractual Measurable Benefit is the design, permitting, construction and testing of the site, including completion of an independent performance review. If performance review results are favorable and with additional Governing Board approval, the contractual Measurable Benefit will include operation of the site for 20 years at a minimum injection rate of 5 mgd calculated using a five-year moving average.
Costs:	Total project cost: $5,050,000 (design, TPR, permitting, construction, testing, and independent performance review); City of Bradenton share: $2,525,000; District share: $2,525,000 with $500,000 budgeted in previous year, $1,000,000 requested in FY2019 and $1,025,000 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is to expand the use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA. Future stages may include storm water transmission infrastructure to the recharge well, which could help in flood control.
Cost Effectiveness:	High	The project is consistent with the range of costs for similarly funded District projects.
Past Performance:	High	Based on an assessment of the schedule and budget for 2 ongoing projects.
Complementary Efforts:	High	The City developed and implemented a Water Demand Management Plan to manage and protect their water supply. It includes conservation measures and District water shortage orders enforceable pursuant to City Ordinance #2650.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The City and District are anticipated to complete 30% design and TPR by early 2019. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable results from the TPR, and understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY2019 funding to complete design and begin construction of one Upper Floridan aquifer treated wastewater and/or local storm water recharge well site with monitoring wells, and ancillary surface facilities. The City may pursue potential future net benefit or impact offset potable water supply based on this project. If pursued, contractually, the City will be required to be in compliance with District cooperative funding guidelines, policies, and procedures and water use permitting rules. If successful, this project is expected to improve aquifer water level conditions in the MIA of the SWUCA.

Funding

Funding Source	Prior	FY2019	Future	Total
City of Bradenton	$500,000	$1,000,000	$1,025,000	$2,525,000
District	$500,000	$1,000,000	$1,025,000	$2,525,000
Total	$1,000,000	$2,000,000	$2,050,000	$5,050,000

Project No. N854	ASR - PRMRWSA Partially Treated Water ASR	
PRMRWSA		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 4

Description

Description:	This project is for design, permitting and construction of a full scale partially treated water aquifer storage and recovery project located at the Peace River Manasota Regional Water Supply Authority (PRMRWSA) ASR facility. Funding was approved in FY18 for completion of site testing, 30% design and third-party review. The District required a third-party review because the conceptual construction estimate is greater than $5 million dollars. The FY19 funding request is for completion of design.
Measurable Benefit:	The contractual Measurable Benefit will be completion of design, permitting and construction of the partially treated water ASR facility that will increase ASR system recovery efficiency by 3 mgd annual average and increase the PRMRWSA system reliability.
Costs:	Total project cost: $7,755,000 (design, third party review, permitting and construction) PRMRWSA share: $3,990,000 District share: $3,765,000 with $120,500 budgeted in previous years, $375,000 requested in FY19 and $3,269,500 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information in the CFI Guidlines.
Project Benefit:	High	The project will beneficially increase the PRMRWSA system drinking water supply capacity and reliability at the current facility by 3 mgd and will potentially improve water levels in the Southern Water Use Caution Area.
Cost Effectiveness:	High	The capital cost for the facility supply capacity improvement is $2.58 per gpd. Capital cost for the net long-term recharge is 2.38 per gpd. These capital costs compare favorably with the less than $9.99 standard for Total Capital Cost/gpd of water resource benefit.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Cooperator has a program in place that includes metering and an incentive based reuse rate structure for high volume users and has proactive reclaimed expansion policies which maximize utilization and environmental benefits.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The PRMRWSA is anticipated to complete the 30% design and third party review by May 2019. Contractually, the PRMRWSA will need Governing Board approval to proceed beyond third-party review. Anticipating favorable information from the third-party review, and with the understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY19 funding for completion of design. The 2015 PRMRWSA's Regional Water Supply Plan indicates that additional water supplies will be required in 2023. The schedule for completion of this project is close to 2023 and would provide for a portion of the required additional supply needed.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$120,500	$375,000	$3,269,500	$3,765,000
PRMRWSA	$345,500	$375,000	$3,269,500	$3,990,000
Total	$466,000	$750,000	$6,539,000	$7,755,000

Project No. N912	ASR - Braden River Utilities ASR Feasibility	
Braden River Utilities		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Construction of two sites each including the construction of an ASR well, two storage zone wells and one upper zone monitoring well; partial infrastructure consisting of simplified control system, temporary piping, pumps and other associated infrastructure.
Measurable Benefit:	The contractual Measurable Benefit will be the construction, testing and submittal of a FDEP operation permit application to FDEP for each site.
Costs:	Total project cost $5,995,000 (Third-party review, construction, testing, and required permit deliverables). Braden River Utilities share: $2,997,500 District share: $2,997,500, $1,945,625 requested in prior years, $790,625 requested in FY2019, and $261,250 anticipated to be requested in future years.

Evaluation

Application Quality:	High	The application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is the optimization of reclaimed water supplies through increasing wet weather storage, reducing reliance on groundwater and contributing to the recovery of the MIA of the SWUCA. The two initial sites would provide approximately a combined 3 to 4 mgd injection and recovery capacity. Feasibility at these two sites could also result in the development of four additional sites in the future with the peak injection capacity of 19 mgd.
Cost Effectiveness:	High	Cost is reasonable for the testing scope necessary to evaluate feasibility. The project costs are consistent with the range of costs for similarly funded District projects.
Past Performance:	High	Based on an assessment of the schedule and budget for 1 ongoing project(s).
Complementary Efforts:	High	BRU has adopted a Water Conservation Plan that has been submitted to the District as part of its Water Use Permit. BRU also secured a Master Reuse Permit with the FDEP and is currently amending their WUP to place 4.0 mgd on stand-by.
Project Readiness:	High	Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

Overall Ranking and Recommendation

Fund as High Priority.	This ongoing project is for the construction of the ASR system. The District will complete the third-party review in FY2018. Anticipating favorable results from the third-party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY2019 funding for construction and testing.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$1,945,625	$790,625	$261,250	$2,997,500
Braden River Utilities	$1,945,625	$790,625	$261,250	$2,997,500
Total	$3,891,250	$1,581,250	$522,500	$5,995,000

Project No. N947	Study - Midnight Pass Road Flood Control Study	
Sarasota County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	The project includes a feasibility study to evaluate coastal barrier island flooding on Midnight Pass Road, identify solutions to improve the level of service, and determine the flood protection level of service that can be achieved for this evacuation route. FY2019 funding will be used to complete the feasibilty study.
Measurable Benefit:	The Measurable Benefit will be the completion of a feasibility study to evaluate coastal barrier island flooding on Midnight Pass Road, identify solutions to improve the level of service, and determine the flood protection level of service that can be achieved for this evacuation route.
Costs:	Total project cost $300,000 Sarasota County share $150,000 District $150,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	Analyze flooding problems that have occurred within the coastal barrier island and provide alternatives to relieve street flooding. Modeling and alternative analysis will identify possible solutions for future implementation.
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation

Fund as High Priority.	This project identifies flood risk in an area with no detailed study information available. The resulting product will be used to identify solutions to improve the level of service on Midnight Pass Road, and determine the flood protection level of service that can be achieved for this evacuation route.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$150,000	$0	$150,000
Sarasota County	$0	$150,000	$0	$150,000
Total	$0	$300,000	$0	$300,000

Project No. N979	Conservation-North Port Water Distribution System Looping	
City of North Port		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of approximately 7,500 feet of new potable water lines and associated components necessary to eliminate dead ends. This is considered a utility-based supply side conservation project, and will reduce routine flushing in four areas by allowing potable water circulation in the southern area of the city.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the construction of approximately 7,500 feet of new potable water lines and associated components to eliminate distribution system dead-ends, in accordance with the permitted plans.
Costs:	Total Project cost: $704,000 (Construction) City of North Port share: $352,000 District share: $352,000

Evaluation

Application Quality:	Medium	Application included most of the required information in the CFI guidelines. District staff had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of the project is the conservation of approximately 36,493 gallons per day in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	Cooperator per capita is below 75.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	This project will conserve potable water in the SWUCA. The City of North Port's low compliance per capita means that customer based conservation projects are limited in potential and utility-based supply side conservation projects are one of the few remaining options. This project will enhance system efficiency and promote conservation of alternative water supply sources.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$352,000	$0	$352,000
City of North Port	$0	$352,000	$0	$352,000
Total	$0	$704,000	$0	$704,000

Project No. N982	Conservation- Manatee County Toilet Rebate Project, Phase 12	
Manatee County		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets that use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets that use 1.6 gallons per flush or less. This project will include rebates and program administration for the replacement of approximately 1,000 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.
Measurable Benefit:	The Measurable Benefit, which is the contractual requirement, will be the implementation of the program and the completion of a Final Report.
Costs:	Total project costs: $151,000; Manatee County: $75,500; District: $75,500.

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 26,380 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 75 and 125 gcpd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The project conserves potable water supply in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$75,500	$0	$75,500
Manatee County	$0	$75,500	$0	$75,500
Total	$0	$151,000	$0	$151,000

Project No. N991	WMP - Sarasota Bay Watershed Management Plan BMP Analysis	
Sarasota County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Complete a Watershed Management Plan for the Sarasota Bay Watershed in Sarasota County. A water quality model was previously developed for the Sarasota Bay Watershed, and floodplain models have been developed for each of the subwatersheds. These include the Coastal Fringe, Hudson Bayou, Phillippi Creek and Whitaker Bayou Watershed models. FY2019 funds will be used to complete flood protection and water quality alternative analysis tasks including Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practices (BMP) alternative analysis.
Measurable Benefit:	The benefit will be the completion of alternative analysis information that is critical to better identity flood damage and cost effective alternatives for water quantity and quality.
Costs:	Total project cost $600,000 Sarasota County: $300,000 District: $300,000 with $200,000 requested in FY2019, and $100,000 anticipated in future years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of the project is the completion of a LOS analysis, SWRA, and BMP alternative analysis, and the identification of cost effective alternatives for water quantity and quality.
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Ranking System class is 5 and is in the 5 or better range.
Project Readiness:	High	The project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning**: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as High Priority.	This project will utilize existing watershed models to complete flood protection and water quality alternative analysis tasks including Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practices (BMP) alternative analysis for the Sarasota Bay Watershed.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$200,000	$100,000	$300,000
Sarasota County	$0	$200,000	$100,000	$300,000
Total	$0	$400,000	$200,000	$600,000

Project No. N992	Conservation - City of Venice Toilet Rebate and Retrofit Project - Phase 6
City of Venice	FY2019

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets that use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets that use 1.6 gallons per flush or less. This project will include rebates and program administration for the replacement of approximately 249 high flow toilets. In addition, 400 do-it-yourself water conservation kits will be distributed. These include educational materials, low-flow shower heads, and leak detection dye tablets. Also included are program promotion and surveys necessary to ensure the success of the program.
Measurable Benefit:	The Measurable Benefit, which is the contractual requirement, will be the implementation of the program and the completion of a Final Report.
Costs:	Total project costs: $58,900; City of Venice: $29,450; District: $29,450.

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 4,990 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Cooperator per capita is below 75 gpcd.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	This project conserves potable water supply in the SWUCA.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$29,450	$0	$29,450
City of Venice	$0	$29,450	$0	$29,450
Total	$0	$58,900	$0	$58,900

Project No. Q005	Reclaimed Water-Tropicana Industrial Reclaimed Water Construction Project	
Tropicana		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Design, permitting and construction of approximately 6,300 feet of reclaimed water transmission mains, 0.5 MGD membrane treatment systems, 0.08 MG of storage, 0.5 MGD pumping and other necessary appurtenances to supply ultra-pure industrial reclaimed water for power generation, cooling water and other non-potable process uses at the Tropicana Bradenton Juice Facility.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply and utilization of 0.5 mgd of reclaimed water to an industrial customer in the Most Impacted Area (MIA) area of the Southern Water Use Caution Area (SWUCA).
Costs:	Total Project Cost: $4,800,000 (Design, Permitting, Construction); Cooperator Share: $2,450,000; District Share: $2,350,000.

Evaluation

Application Quality:	Medium	Application included most of the required information in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.
Project Benefit:	High	The supply of 0.5 mgd of reclaimed water to an industrial customer for an anticipated 0.5 mgd of water savings in the MIA of the SWUCA.
Cost Effectiveness:	High	$9.60 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $2.31 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects.
Past Performance:	High	Based upon the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	Tropicana has pro-active environmental policies including reclaimed water expansion strategies which are intended to maximize utilization, water resource benefits, and environmental benefits. Tropicana has, for decades, used 85,000 gpd of City of Bradenton Reclaimed Water for non-potable applications at their facility. In FY2018 Tropicana fully funded on their own (no requested District funding) 30% design for the requested FY2019 reclaimed water project. District staff will review the 30% design for the project prior to processing the funding agreement.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The project is recommended for funding as it reduces reliance on traditional water sources in the MIA portion of the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$2,350,000	$0	$2,350,000
Tropicana	$0	$2,450,000	$0	$2,450,000
Total	$0	$4,800,000	$0	$4,800,000

Project No. Q008	Study - Upper Myakka Lake Water Control Structure and Restoration Options	
FDEP		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Conduct a feasibility study to investigate the modification and/or removal of existing water control structures at Upper Myakka Lake, a FDEP impaired water body, to improve water quality and/or provide habitat restoration in the Myakka River and ultimately Charlotte Harbor, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study.
Costs:	Total project cost: $220,000 Florida Department of Environmental Protection (FDEP): $110,000 District: $110,000

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of the project is to complete a feasibility study for potential modification and/or removal of existing water control structures on Upper Myakka Lake with an objective to improve water quality and/or provide habitat restoration in the Myakka River and Charlotte Harbor, a SWIM priority water body. The study shall include quantification of the Resource Benefits for study alternatives.
Cost Effectiveness:	High	Costs appear to be reasonable and are consistent with the costs of similar District funded feasibility studies.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has several complementary efforts to preserve natural systems and improve water quality.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Strategic Initiative - Conservation and Restoration**: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as High Priority.	The project will provide a feasibility study for the removal or modification of existing structures to potentially improve water quality in an impaired water body and/or provide habitat restoration in the Myakka River and ultimately in Charlotte Harbor, a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
FDEP	$0	$110,000	$0	$110,000
District	$0	$110,000	$0	$110,000
Total	$0	$220,000	$0	$220,000

Project No. Q015	Study - Spring Lake Stormwater BMP Analysis	
DeSoto County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	The project includes a feasibility study to identify solutions to flooding of roads and residential properties located along the open channel conveyance system between Kings Highway and the Peace River. The Deep Creek Gully Watershed model will be utilized to perform the analysis. DeSoto County will be in the lead role and will be responsible for retaining consultants to perform the work.
Measurable Benefit:	The Measurable Benefit is the completion of a feasibility study identifying solutions to reduce flooding of roads and residential properties located along the open channel conveyance system between Kings Highway and the Peace River in the Deep Creek Gully Watershed.
Costs:	Total project cost $132,000 DeSoto County (25% REDI): $33,000 District: $99,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The project benefit is a feasibility study that will analyze flooding problems in the watershed. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator not participating in the Community Rating System program.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation

Fund as High Priority.	The project will utilize an existing watershed model to complete a feasibility study to identify solutions to flooding of roads and residential properties located along the open channel conveyance system between Kings Highway and the Peace River. DeSoto County qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$99,000	$0	$99,000
DeSoto County (REDI)	$0	$33,000	$0	$33,000
Total	$0	$132,000	$0	$132,000

Project No. Q020	Conservation-Braden River Utilities Soil Moisture Sensor Rebate Program Phase 2	
Braden River Utilities		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	This project will make available approximately 600 Soil Moisture Sensor (SMS) devices to residential customers. Devices will be provided and installed for project participants who do not have a functioning device. At the end of the project, an evaluation comparing the effectiveness of the soil moisture sensors will be conducted. Also included are education materials, program promotions and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measureable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total project cost: $308,000; BRU Share: $154,000; District: $154,000.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines
Project Benefit:	High	The project benefit is an estimated water savings of 55,000 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for 1 ongoing project.
Complementary Efforts:	Medium	The per capita is inbetween 75 and 125 gpcd.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	This project conserves potable water supply in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Braden River Utilities	$0	$154,000	$0	$154,000
District	$0	$154,000	$0	$154,000
Total	$0	$308,000	$0	$308,000

Project No. W215	SW IMP - Water Quality - Anna Maria North Island BMPs Phase H and J	
City of Anna Maria		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description	
Description:	Design, permitting and construction of stormwater retrofits in the City of Anna Maria to improve water quality discharging to Tampa Bay, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of LID BMPs to treat approximately 75 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $913,500 (Design, permitting, construction) City of Anna Maria: $456,750 District: $456,750, with $307,231 requested in FY2019, and $149,519 anticipated to be requested in future years.

Evaluation		
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 63,582 lb/yr TSS, and 1,468 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is below the historical average of $20/lb TSS and $646/lb TN, and the cost/acre treated is below the historical average cost of $46,947/acre treated for Coastal/LID projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Fund as High Priority.	This project is cost effective and will continue efforts by the City to reduce stormwater impacts to Tampa Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$307,231	$149,519	$456,750
City of Anna Maria	$0	$307,231	$149,519	$456,750
Total	$0	$614,462	$299,038	$913,500

Project No. W302	SW IMP – Water Quality – Southeast Riverside Water Quality Improvements	
Palmetto		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 2

Description	
Description:	Design and construction of stormwater improvement BMPs and a collection system for currently untreated areas in the City of Palmetto to reduce pollutant loads to the Manatee River and ultimately Tampa Bay, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMPs to treat stormwater runoff from approximately 62 acres of urbanized watershed, in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $1,400,000 (Design and Construction) City of Palmetto share: $700,000 District: $700,000, with $100,000 requested in FY19 and $600,000 anticipated to be requested in future years.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to the Manatee River and Tampa Bay by an estimated 155 lbs/year of TN.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of $646/lb and the per acre treated is below the historical average cost of $46,947 for coastal water quality projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	The project is ready to begin on or before December 1, 2018.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Fund as High Priority.	The project is cost effective and will reduce stormwater impacts to Tampa Bay, a SWIM priority waterbody through a reduction in nutrient loading.

Funding

Funding Source	Prior	FY2019	Future	Total
Palmetto	$0	$100,000	$600,000	$700,000
District	$0	$100,000	$600,000	$700,000
Total	$0	$200,000	$1,200,000	$1,400,000

Project No. W639	SW IMP - Water Quality - Bradenton Beach BMPs Avenues B and C	
Bradenton Beach		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	Design, permitting and construction of stormwater retrofits in the City of Bradenton Beach to improve water quality discharging to Sarasota Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 34 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $530,930 (Design, permitting, construction) City of Bradenton Beach: $265,465 District: $265,465, with $70,465 requested in FY2019, and $195,000 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Sarasota Bay, a SWIM priority water body, by an estimated 24,105 lb/yr TSS, and 676 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is lower than the historical average of $20/lb TSS and $646/lb TN, and the cost/acre treated is below the historical average cost of $46,947/acre treated for Coastal/LID projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as High Priority.	This project is cost effective and will continue efforts by the City to reduce stormwater impacts to Sarasota Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$70,465	$195,000	$265,465
Bradenton Beach	$0	$70,465	$195,000	$265,465
Total	$0	$140,930	$390,000	$530,930

Project No. N780	Brackish - Punta Gorda RO Facility	
City of Punta Gorda		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 5 of 5

Description

Description:	The project consists of the design, wellfield testing study, third-party review, permitting, and construction of a 4 mgd brackish groundwater reverse osmosis (RO) facility co-located at the City's existing 10 mgd Shell Creek surface water treatment facility. Components include the RO facility, water blending facility including 2 mg tank, raw water supply wellfield, and a concentrate disposal well. FY2019 funds are for facility construction.
Measurable Benefit:	The Measurable Benefit, which is a contractual requirement, is to complete an exploratory well testing program, provide a final report, and construct the RO facility.
Costs:	The total project cost: $39,400,000 (Design, wellfield testing study, third-party review, permitting, and construction). City share: $22,850,000. State share: $900,000. District share: $15,650,000 with $9,075,000 budgeted in previous years (a portion under project number N600) and $6,575,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit of this project is to create 4 mgd of alternative water supply and to ensure the availability of the alternative water supply from the Shell Creek facility that is currently hampered by poor water quality, as well as protecting natural systems by increasing flow reliability to the lower Shell Creek Estuary.
Cost Effectiveness:	Medium	Based on the recent estimate of $39.4 million, the cost effectiveness is $9.85 capital/gallon per day (gpd). Cost effectiveness between $8 to $10 capital/gpd is considered medium per the CFI Evaluation Guidelines.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	The Cooperator is financially contributing to the PRMRWSA Phase 1 Regional Interconnect. Cooperator's per capita water use is 119 gpcd. Cooperator also conducts Natural Systems efforts: sensitive land purchases, exotic plant removal, and nature parks.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018, pending Governing Board approval of the project design third-party review.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. **Southern Region Priority**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as Medium Priority.	The estimated project cost has increased from $32.2 million to $39.4 million, based on constructor's estimate at 90% design. The City will not request additional funding and accepts responsibility for additional costs. The cost effectiveness remains in the medium range. The CFI Agreement required a third-party review of the wellfield study, a third-party review of the RO Facility design, and commencement of construction on the Phase 1 Pipeline before the District reimburses for final design and construction of the RO Facility. The wellfield study third-party review was completed and approved in September 2017. The RO Facility design third-party review was completed and approved in December 2017. The Phase 1 Pipeline construction is scheduled to commence in Summer 2018.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$9,075,000	$6,575,000	$0	$15,650,000
State (City budgeted)	$900,000	$0	$0	$900,000
City of Punta Gorda	$9,075,000	$6,575,000	$7,200,000	$22,850,000
Total	$19,050,000	$13,150,000	$7,200,000	$39,400,000

Project No. N974	SW IMP - Flood Protection - Construction of Cocoplum Water Control Structure	
City of North Port		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description	
Description:	This project is for construction of the City of Northport Water Control Strucure Number 106 to replace the existing structure. The existing structure will be expanded from a six gates structure to an eight gates structure, which will allow increased flood protection capabilities. FY2019 will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be construction of the Water Control Structure No . 106, in accordance with the permitted plans.
Costs:	Total project cost $1,800,000 (Construction) Cooperator share $900,000 District $900,000 requested in FY2019.

Evaluation		
Application Quality:	Low	District PM/CM had to work with the cooperator to obtain required information and cooperator was unable to provide required information.
Project Benefit:	Low	The project does not provide a resource benefit since it does not address an existing structural or street flooding problem. There is no structure or street flooding currently in the project area and/or the project does not impact the regional or intermediate drainage system.
Cost Effectiveness:	Low	Costs are based on conceptual level information only, design has not started, or are high when compared to similar projects if information is available.
Past Performance:	Medium	Based on the assessment of the schedule and budget for the 4 ongiong projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2019.

Strategic Goals		
Strategic Goals:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation	
Low Priority, not recommended for funding.	The project does not provide a benefit since it does not address an existing structural or street flooding problem. The project also doesn't provide any water supply benefit.

Funding

Funding Source	Prior	FY2019	Future	Total
City of North Port	$0	$900,000	$0	$900,000
District	$0	$900,000	$0	$900,000
Total	$0	$1,800,000	$0	$1,800,000

Project No. Q030	Reclaimed Water- North Port Reclaimed Water Transmission Main - Phase 4	
City of North Port		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Design, permitting and construction of approximately 7,000 feet of reclaimed water transmission mains, a 2.5 mg storage tank, a 3 mgd booster station and other necessary appurtenances to supply athletic fields and other customers with reclaimed water for irrigation.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply and utilization of 0.15 mgd of reclaimed water to athletic fields and other customers in the Southern Water Use Caution Area (SWUCA).
Costs:	Total project cost: $3,500,000 (Design, Permitting, Construction); City of North Port share: $1,750,000; District share: $1,750,000, of which $750,000 is requested in FY2019 and $1,000,000 anticipated to be requested in future fiscal years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain the remaining required information.
Project Benefit:	Medium	The benefit is the supply of 0.15 mgd of reclaimed water to current and future customers for an anticipated 0.095 mgd of water savings within the SWUCA.
Cost Effectiveness:	Low	$36.84 per gallon per day capital cost which is outside the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $8.88 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects. Additional unquantified benefits may be achieved related to future potential customers the project could eventually supply.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	North Port's reclaimed water system will include metering and incentive based reuse rate structures for the type user and the City has pro-active water conservation policies.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems . **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	The project is not recommended for funding, as it is not cost effective due to limited project related customers identified. The project appears to be premature considering the City's failure to achieve reclaimed water customers, flows and benefits required by a 2014 completed co-funded reclaimed water project (N277).

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$750,000	$1,000,000	$1,750,000
City of North Port	$0	$750,000	$1,000,000	$1,750,000
Total	$0	$1,500,000	$2,000,000	$3,500,000

Project No. W213	SW IMP - Water Quality - Rubonia Subdivision Stormwater Management Improvement Project	
Manatee County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description	
Description:	Construction of urban stormwater BMPs for currently untreated runoff from the historic Rubonia subdivision, in Manatee County and the reduction of pollutant loads to Tampa Bay, a SWIM Priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of stormwater BMPs to treat stormwater runoff from an approximately 35 acre urbanized watershed, in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $1,569,370 (Construction) Manatee County share: $748,685 District share:$748,685 requested in FY19

Evaluation		
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM has to work with cooperator to obtain the remining information.
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay by an estimated 11,686 lbs/yr of TSS.
Cost Effectiveness:	Medium	The estimated cost/lb of TSS removed is below the historical average cost of $12/lb and the cost per acre treated is above the historical average cost of $8,050 for urban/suburban water quality projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	The County has adopted Pet Waste and Fertilizer ordinances and implements street sweeping, stormwater maintenance and stormwater education programs.
Project Readiness:	Low	Multiple privately owned parcels need to be acquired to implement project. Project is not expected to begin until after March 1, 2019.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Low Priority, not recommended for funding.	The project funding request appears to be premature. The project requires the acquisition of multiple privately owned parcels to implement the project as conceptually proposed. It is not certain that the County will have ownership of the parcels needed for the project prior to October 1, 2018.

Funding

Funding Source	Prior	FY2019	Future	Total
Manatee County	$0	$784,685	$0	$784,685
District	$0	$784,685	$0	$784,685
Total	$0	$1,569,370	$0	$1,569,370

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 and activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact the District's Human Resources Director, 2379 Broad Street, Brooksville, Florida 34604-6899; 1-352-796-7211 or 1-800-423-1476 (Florida only), extension 4702; TDD (Florida only) 1-800-231-6103; or email to ADACoordinator@swfwmd.state.fl.us