SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY2019 Cooperative Funding Initiative

Recommended Project

Evaluations and Rankings

Southwest Florida
Water Management District

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Northern Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Southwest Florida
Water Management District

Project No. N873	WMP - Chassahowitzka River Watershed Management Plan	
Citrus County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 2 of 4

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative for the Chassahowitzka River Watershed in Citrus County. FY2019 funding will be utilized to complete the Watershed Evaluation phase and start the floodplain analysis phase of the project.
Measurable Benefit:	The Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost $925,000 Citrus County share $462,500 District $462,500 with $100,000 budgeted in previous years, $150,000 requested in FY2019 and $212,500 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 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 stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($20,001 to $30,000 / sq mi) for WMPs completed in rural watersheds.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 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 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. **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.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$100,000	$150,000	$212,500	$462,500
Citrus County	$100,000	$150,000	$212,500	$462,500
Total	$200,000	$300,000	$425,000	$925,000

Project No. N891	WMP - North Citrus Withlacoochee River Watershed Management Plan	
Citrus County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative for the North Citrus Withlacoochee River Watershed in Citrus County. FY2019 funding will be utilized to complete the Watershed Evaluation phase and start the floodplain analysis phase of the project.
Measurable Benefit:	The Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost $825,000 Citrus County share $412,500 District $412,500 with $150,000 budgeted in previous years, $150,000 requested in FY2019 and $112,500 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 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 stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($20,001 to $30,000 / sq mi) for WMPs completed in rural watersheds.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 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 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. **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.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$150,000	$150,000	$112,500	$412,500
Citrus County	$150,000	$150,000	$112,500	$412,500
Total	$300,000	$300,000	$225,000	$825,000

Project No. N919	WMP - Little Jones Creek Watershed Management Plan	
Sumter County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative for the Little Jones Creek Watershed in Sumter County. FY2019 funding will be utilized to complete the Watershed Evaluation phase and start the floodplain analysis phase of the project.
Measurable Benefit:	The Measurable Benefit will be completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost $960,000 Sumter County share $480,000 District $480,000 with $160,000 budgeted in previous years, $160,000 requested in FY2019 and $160,000 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 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 stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($20,001 to $30,000 / sq mi) for WMPs completed in rural watersheds.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 7 and is in the 6 to 9 range.
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. **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.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$160,000	$160,000	$160,000	$480,000
Sumter County	$160,000	$160,000	$160,000	$480,000
Total	$320,000	$320,000	$320,000	$960,000

Project No. N958	Conservation- Citrus County Water Sense Labeled Irrigation Controller Installation - Phase 2	
Citrus County		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Financial incentives to residential customers for the installation of approximately 50 Water Sense labeled irrigation controllers at residential homes in the Citrus County service area. Also included are educational materials, program promotion, surveys and an orientation with the homeowner to assist in familiarizing the resident with the new equipment.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $33,750; Citrus County: $16,875; District: $16,875.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 11,106 gallons per day water conserved in the Northern Planning Region.
Cost Effectiveness:	High	Project cost effectiveness is below the $3.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The cooperator encourages, supports and provides incentives for water conservation programs within its service area.
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. **Northern Region Priority**: Ensure long-term sustainable water supply.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water in the Northern Planning Region of the District and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$16,875	$0	$16,875
Citrus County	$0	$16,875	$0	$16,875
Total	$0	$33,750	$0	$33,750

Project No. N981	SW IMP - Flood Protection - Culbreath Road Area Flood Relief	
Hernando County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	30% design and third-party review for drainage improvements to an existing one mile section of Culbreath Road, which is an evacuation route, just south of Powell Road. Due to undersized stormwater infrastructure, the project area has experienced frequent roadway flooding problems. District funding is for 30% design and third-party review as this project has complex design elements. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of the proposed drainage improvement to relieve flooding at Culbreath Road just south of Powell Road.
Costs:	Total project cost $275,000 (30% design and third-party review) Hernando County share $137,500 District: $137,500; The conceptual cost estimate to complete design, permitting and construction is $3,000,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District CM had to work with cooperator to obtain remaining required information.
Project Benefit:	Medium	The benefit of this project, if constructed, will reduce the existing flooding problem during the 100-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 greater 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 3 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:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **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 County is requesting funds to complete the 30% design and third-party review only. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project . If constructed, this project will provide flood protection for an evacuation route during the 100-year, 24-hour storm event and improve water quality through treatment.

Funding

Funding Source	Prior	FY2019	Future	Total
Hernando County	$0	$137,500	$0	$137,500
District	$0	$137,500	$0	$137,500
Total	$0	$275,000	$0	$275,000

Project No. N983	Reclaimed Water- Hernando County Airport Reclaimed Water Storage/Pumping/Transmission/Recharge Project	FY2019
Hernando County		

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	This project is for 30% design and third-party review of a reclaimed water project which if constructed would include the design, permitting and construction of approximately 63,000 feet of reclaimed water transmission mains, a 3 million gallon storage tank, a 3 mgd pump station, 3 mgd filtration components and other necessary appurtenances to build major reuse system infrastructure to support near-term and future expansions and to interconnect the Airport WWTP's new reuse system with Hernando County's existing reclaimed water system near US19 in the Southwest portion of the County.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of a future project to construct the necessary components for the supply and utilization of 2.0 mgd of reclaimed water to irrigation and recharge customers in the Weeki Wachee Springshed.
Costs:	Total project cost: $750,000 (Conceptual design, 30% design, third-party review); Hernando County share: $375,000; District share: $375,000; The County's original conceptual estimate to complete design, permitting, and construction is $16,000,000. It is anticipated that the County will request funding to complete design, permitting, and construction in future years.

Evaluation

Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit of this project, if constructed, is the supply 2.0 mgd of reclaimed water to irrigation and recharge customers for an anticipated 1.5 mgd of water savings within the Weeki Wachee Springshed.
Cost Effectiveness:	Medium	The project would have a $10.67 per gallon per day capital cost which is within the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $2.57 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 on an assessment of the schedule and budget for the 3 ongoing projects.
Complementary Efforts:	High	Hernando County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize system expansion, utilization, water resource benefits, and environmental benefits.
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. **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. **Northern Region Priority**: Improve northern coastal spring systems. **Northern Region Priority**: Ensure long-term sustainable water supply.

Overall Ranking and Recommendation

Fund as High Priority.	The County is requesting funds to complete up to 30% design and to complete a third-party review. The results from the 30% design and third-party review will provide the District with better information to confirm the resource benefit and cost effectiveness of the project. If constructed, the project would supply near-term reuse flows, as well as enable future development of projects which will reduce reliance on traditional water sources in the Weeki Wachee Springshed.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$375,000	$0	$375,000
Hernando County	$0	$375,000	$0	$375,000
Total	$0	$750,000	$0	$750,000

Project No. N986	Study - Citrus County Stormwater Utility Fee Rate & Methodology	
Citrus County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	The project involves performing elements required to develop a County-wide Stormwater Assessment through the following efforts: Part 1 - Overall condition assessment and funding alternatives evaluation; Part 2 - Rate study and billing methodology; Part 3 - Community outreach and public presentations. FY2019 funding will be utilized to do an overall condition assessment and funding alternatives evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a study to pursue implementation of a dedicated stormwater utility and associated fee to improve the County's ability to fund stormwater capital improvement projects and address operational needs on a long-term sustainable basis.
Costs:	Total project cost $300,000 Citrus County share $150,000 District $150,000 with $50,000 requested in FY2019, and $100,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	Completion of a study to provide for potential implementation of a dedicated stormwater utility and associated fee to improve the County's ability to fund stormwater capital and operational needs including future flood protection and water quality level of service improvements.
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 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:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **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 provides for the development of a stormwater utility study and methodology that, if adopted, will provide for a dedicated funding source and greatly improve the County's ability to fund stormwater capital and operational needs, including future flood protection, water quality, and environmental level of service improvements.

Funding

Funding Source	Prior	FY2019	Future	Total
Citrus County	$0	$50,000	$100,000	$150,000
District	$0	$50,000	$100,000	$150,000
Total	$0	$100,000	$200,000	$300,000

Project No. N999	Conservation- Marion County Utilities Toilet Rebate Program - Phase 5	
Marion County		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. This project will include rebates and program administration for the replacement of approximately 400 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $64,000; Marion County Cost: $32,000; District: $32,000 with $16,000 requested in FY2019 and $16,000 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 the project is the conservation of approximately 10,190 gallons per day in the Northern Planning Region.
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	Medium	Based on the assessment of the schedule and budget for 2 ongoing projects.
Complementary Efforts:	Low	Cooperator per capita is above 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. **Northern Region Priority**: Ensure long-term sustainable water supply.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the Northern Planning Region and is cost effective .

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$16,000	$16,000	$32,000
Marion County	$0	$16,000	$16,000	$32,000
Total	$0	$32,000	$32,000	$64,000

Project No. Q018	Conservation-The Villages Rain Sensor Inspection/Replacement Program	
NSCUDD		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	This project will make available approximately 120 rain sensor installs to single family multi-family, and commercial customers in the Villages. This will include program administration, customer education and irrigation timer resets. Rain sensor devices will be provided and installed for project participants who do not have a functioning device. Also included are the educational materials, program promotion and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $40,000; North Sumter County Utility Development District cost: $20,000; District: $20,000.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of the project is the conservation of approximately 9,600 gallons per day in the Northern Planning Region.
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator per capita is above 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2019.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Northern Region Priority**: Ensure long-term sustainable water supply.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the Villages and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
NSCUDD	$0	$20,000	$0	$20,000
District	$0	$20,000	$0	$20,000
Total	$0	$40,000	$0	$40,000

Project No. Q040	Conservation- WRWSA Regional Irrigation System Audit Program Phase 5
WRWSA	FY2019

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	This project will make available approximately 260 irrigation system evaluations within Marion, Citrus, and Hernando Counties and the Villages Development Districts. Participating utilities will assist in providing irrigation evaluations to single family, multi-family, and commercial customers. This will include providing customers with recommendations for optimizing the use of water outdoors through Florida-Friendly Landscaping TM practices, and recommending other efficient irrigation best management practices. For select customers, the project could also include performing irrigation system modifications, and rain senor installs for project participants who do not have a functioning device. Also included is program administration, educational materials, program promotion, follow-up evaluations and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $145,000; Withlacoochee Regional Water Supply Authority cost: $72,500; District: $72,500.

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 conservation of approximately 38,740 gallons per day in the Northern Planning Region.
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on the assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The WRWSA encourages, supports, and provides financial incentives for water conservation amongst its member governments.
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. **Northern Region Priority**: Ensure long-term sustainable water supply.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the Nothern Planning Region of the District and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
WRWSA	$0	$72,500	$0	$72,500
District	$0	$72,500	$0	$72,500
Total	$0	$145,000	$0	$145,000

Project No. Q044	Study-Citrus County Septic to Sewer Conversion Feasibility Study	
Citrus County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Feasibility study to identify the best options for converting residential and commercial lots serviced by onsite sewage treatment and disposal systems (OSTDS) to a central wastewater collection system.
Measurable Benefit:	The contractual Measurable Benefit will include the completion of a feasibility study.
Costs:	Total project cost: $400,000 Citrus County: $200,000 District: $200,000

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 project benefit is the completion of a feasibility study. The study will address issues such as, but not limited to, sewer technologies, cost comparisons, existing wastewater system infrastructure, 5-year conversion plan, build out conversion plan, 5-year funding plan and the benefits for the property owners including educational outreach to the public.
Cost Effectiveness:	High	The project costs are consistent with the range of costs for similar projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
Project Readiness:	Medium	Project is ready to begin on or before March 1st of 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority.	The majority (two thirds) of the project is located within a PFA and will plan for water quality improvements within the Kings Bay/Crystal River, Homosassa and Chassahowitzka springsheds. The costs are consistent with the range of costs for similar projects.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$200,000	$0	$200,000
Citrus County	$0	$200,000	$0	$200,000
Total	$0	$400,000	$0	$400,000

Project No. W430	Springs - Crystal River Indian Waters Septic to Sewer Phase II	
Crystal River		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 2

Description	
Description:	Design, permitting, and construction of a municipal sewer system including connection fees, plant demolition and tank abandonment, and necessary components. This project will allow for the connection of a private wastewater package plant and provide City central sewer to areas currently served by septic systems within the Kings Bay/Crystal River springshed.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a municipal sanitary sewer line and any necessary components for a fully operational system that will result in the connection of a minimum of 178 septic tanks and one package plant, in accordance with the permitted plans.
Costs:	Total project cost: $4,500,000 (Design, permitting, and construction) FDEP: $2,250,000 City of Crystal River: $1,125,000 District: $1,125,000 of which $300,000 is requested in FY2019 and $825,000 anticipated in FY2020

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 this water quality project is the reduction of pollutant loads by an estimated 2,860 lbs/yr of TN. There will be no monitoring or performance testing requirements. The project is located within the Priority Focus Area (PFA) of the Kings Bay/Crystal River basin management action plan (BMAP), a SWIM priority water body. This benefit calculation differs from the standard FDEP methodology as this project includes nitrogen savings from a package plant and a commercial septic tank.
Cost Effectiveness:	High	The estimated cost/lb of TN ($52/lb) is lower than what would be considered a highly cost-effective project of $100/lb.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
Project Readiness:	Medium	Project is ready to begin on or before 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation	
Fund as High Priority.	This project is located within the Kings Bay/Crystal River Priority Focus Area, a SWIM Priority water body and will result in water quality improvements. The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$300,000	$825,000	$1,125,000
Crystal River	$0	$300,000	$825,000	$1,125,000
FDEP	$0	$2,250,000	$0	$2,250,000
Total	$0	$2,850,000	$1,650,000	$4,500,000

Project No. W432	Springs- Citrus County Cambridge Greens Septic to Sewer	
Citrus County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description: The project is for the 30% design and third-party review of a regional wastewater collection system necessary for connection of a existing residential homes in the Cambridge Greens area of the Crystal River/Kings Bay springshed. If constructed, a minimum of 240 existing septic systems will convert to County sanitary sewer. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.

Measurable Benefit: The contractual Measurable Benefit will be the completion of 30% design of this proposed project to construct a regional wastewater collection system.

Costs: Total project cost: $200,000 (30% design and third-party review)
Citrus County share: $100,000
District: $100,000 The conceptual estimate to complete design, permitting and construction is $6,500,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years.
FDEP: $3,250,000

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 this water quality project, if constructed, is the reduction of pollutant loads by an estimated 2,370 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the Priority Focus Area (PFA) of the Crystal River/Kings Bay basin management action plan (BMAP), a SWIM priority water body.
Cost Effectiveness:	High	The estimated cost/lb of TN ($91/lb) is lower than what would be considered a highly cost-effective project of $100/lb.
Past Performance:	High	Based on an assessment of the schedule and budget for 4 ongoing project(s).
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
Project Readiness:	High	Project is ready to begin 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority. Requested funds are to conduct 30% design and third-party review, the results of which will provide the District with better information to confirm the cost effectiveness of the project . The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place. This project is located within the Crystal River/Kings Bay PFA, a SWIM Priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
Citrus County	$0	$100,000	$0	$100,000
District	$0	$100,000	$0	$100,000
FDEP	$0	$3,250,000	$0	$3,250,000
Total	$0	$3,450,000	$0	$3,450,000

Project No. W434	Springs- Crystal River Southern Septic to Sewer Project	
Crystal River		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	The project is for the 30% design and third party review third-party review of an extension of the City wastewater collection system necessary for connection of a minimum of 722 existing residential and commercial homes currently serviced by septic systems within the Kings Bay/Crystal River Priority Focus Area (PFA). The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting, and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of this proposed project to extend the City wastewater collection system.
Costs:	Total project cost (30% design and third-party review): $225,000 City of Crystal River: $112,500 District: $112,500 with $112,500 requested in FY2019. The conceptual estimate to complete design, permitting, and construction is $6,500,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years. FDEP: $3,250,000

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 this water quality project, if constructed, is the reduction of pollutant loads by an estimated 6,815 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the PFA of the Kings Bay/Crystal River basin management action plan (BMAP), a SWIM priority water body. This benefit calculation differs from the standard FDEP methodology as this project includes nitrogen savings from commercial septic tanks.
Cost Effectiveness:	High	The estimated cost/lb of TN ($32/lb) is lower than what would be considered a highly cost-effective project of $100/lb.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
Project Readiness:	Medium	Project is ready to begin on or before 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority.	Requested funds are to conduct 30% design and third-party review, the results of which will provide the District with better information to confirm the cost effectiveness of the project . The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place. This project is located within the Kings Bay/Crystal River PFA, a SWIM Priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
FDEP	$0	$3,250,000	$0	$3,250,000
District	$0	$112,500	$0	$112,500
Crystal River	$0	$112,500	$0	$112,500
Total	$0	$3,475,000	$0	$3,475,000

Project No. WH04	Springs- Citrus County Old Homosassa West Septic to Sewer Project	
Citrus County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	The project is for the 30% design and third-party review of a regional wastewater collection system necessary for connection of existing residential homes in the Old Homosassa area of the Homosassa springshed. If constructed, a minimum of 95 existing septic systems will convert to County sanitary sewer. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of this proposed project to construct a regional wastewater collection system.
Costs:	Total project cost: $200,000 (30% design and third party review) Citrus County share: $100,000 District share: $100,000 The conceptual estimate to complete design, permitting and construction is $6,000,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years. FDEP share: $3,000,000

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 this project, if constructed, is the reduction of pollutant loads by an estimated 907 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the Priority Focus Area (PFA) of the Chassahowitzka-Homosassa Springs basin management action plan (BMAP), a SWIM priority water body. This benefit calculation differs from the standard FDEP methodology as this project will impact the adjacent surface water body (Homosassa river) instead of the nearby spring vents.
Cost Effectiveness:	Medium	The estimated cost/lb of TN ($221/lb) is lower than the historical average of $224/lb for District funded regional stormwater projects and is above what would be considered a highly cost-effective project of $100/lb.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority.	Requested funds are to conduct 30% design and third-party review, the results of which will provide the District with better information to confirm the cost effectiveness of the project . The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place. This project is located within the Chassahowitzka-Homosassa Springs PFA, a SWIM Priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
FDEP	$0	$3,000,000	$0	$3,000,000
District	$0	$100,000	$0	$100,000
Citrus County	$0	$100,000	$0	$100,000
Total	$0	$3,200,000	$0	$3,200,000

Project No. WR09	SW IMP - Water Quality - Rainbow Springshed Stormwater Retrofits	
Marion County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of stormwater BMPs to retrofit multiple dry retention systems that are within two miles Rainbow Springs with a manufactured soil amendment.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of stormwater BMP's to treat approximately 37 acres of low density residential stormwater runoff within the Rainbow River springshed, in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $290,850 (Construction) Marion County: $145,425 District: $145,425 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 the Water Quality project is the reduction of pollutant loads to Rainbow Springs, a SWIM priority water body, by an estimated 91 lbs/ yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of $224, and the cost/acre treated is below the historical average cost of $8,050/acre treated for urban/suburban water quality projects.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Applicant has an active stromwater 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority.	This project is cost effective and improves stormwater quality and reduces nutrients entering the Rainbow Springs springshed. Due to the close proximity of these projects to the headspring, they are an important component of the long-term goal to improve water quality in the springshed.

Funding

Funding Source	Prior	FY2019	Future	Total
Marion County	$0	$145,425	$0	$145,425
District	$0	$145,425	$0	$145,425
Total	$0	$290,850	$0	$290,850

Project No. WW05	SW IMP - Water Quality - Weeki Wachee Springshed Stormwater Retrofits	
Hernando County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description	
Description:	Design, permitting and construction of stormwater BMPs to retrofit multiple existing urban drainage retention areas with denitrification cells utilizing biosorption activated media (BAM). The retention areas are within three miles of the Weeki Wachee Springs headspring .
Measurable Benefit:	The contractual Measurable Benefit will be the construction of stormwater BMP's to treat approximately 785 acres of low density residential stormwater runoff within the Weeki Wachee springshed. Construction will be done in accordance with the permitted plans.
Costs:	Total Project Cost: $2,000,000 (Design, permitting and construction) Hernando County: $1,000,000 District: $1,000,000, with $125,000 requested in FY2019 and $875,000 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 the Water Quality project is the reduction of pollutant loads to Weeki Wachee Springs, a SWIM priority water body, by an estimated 700 lbs/ yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of $224, and the cost/acre treated is below the historical average cost of $8,050/acre treated for urban/suburban water quality projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 3 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation	
Fund as High Priority.	This project is cost effective and improves stormwater quality and reduces nutrients entering the Weeki Wachee springshed. Due to the close proximity of these projects to the headspring, they are an important component of the long-term goal to improve water quality.

Funding

Funding Source	Prior	FY2019	Future	Total
Hernando County	$0	$125,000	$875,000	$1,000,000
District	$0	$125,000	$875,000	$1,000,000
Total	$0	$250,000	$1,750,000	$2,000,000

Project No. WW07	Springs- Hernando County US19/Hwy50 Septic to Sewer, Districts A and B	
Hernando County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	The project is for the development of a design criteria package (preliminary design) and third-party review for a municipal sewer system necessary for connection of existing residential homes in Districts A and B of the Hernando County Septic to Sewer Conversion Program in the Weeki Wachee Priority Focus Area (PFA). If constructed, approximately 1822 existing septic systems will convert to County sanitary sewer. The County anticipates completing this project via a design-build process. The FY2019 funding request is to complete the design criteria package, which will provide the necessary information to solicit bids for the design-build phase of the project. Third party review will follow during the design-build phase. Funding to complete design, permitting, and construction will be requested in future years.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a design criteria package of this proposed project to construct a fully operational municipal sanitary sewer system that will result in the connection of approximately 1822 existing residences.
Costs:	Total project cost: $400,000 (design criteria package) Hernando County share: $200,000 District share: $200,000. The conceptual estimate to complete design, permitting and construction is $48,400,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years. FDEP: $24,200,000

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 benefit of this water quality project, if constructed, is the reduction of pollutant loads to the Weeki Wachee springshed by an estimated 17,683 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the priority focus area of the Weeki Wachee springshed , a SWIM priority water body.
Cost Effectiveness:	High	The estimated cost/lb of TN ($91/lb) is lower than the historical average of $224/lb for District funded regional stormwater projects and is below what would be considered a highly cost-effective project of $100/lb.
Past Performance:	High	Based on an assessment of the schedule and budget for 3 ongoing projects.
Complementary Efforts:	Low	The Cooperator does not have an ordinance in line with F.S. 381.00655 to support sewage hookup within 365 days of availability. The Cooperator does not yet substantially restrict traditional septic systems in the entire priority focus area and/or its jurisdictional boundary.
Project Readiness:	High	Project is expected 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. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as High Priority.	The FY2019 funding request is to complete the design criteria package, which will provide the necessary information to solicit bids for the design-build phase of the project. This project will result in water quality improvements to the Weeki Wachi Springs Priority Focus Area , a SWIM Priority water body, and is cost effective. The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.

Funding

Funding Source	Prior	FY2019	Future	Total
FDEP	$0	$24,200,000	$0	$24,200,000
Hernando County	$0	$200,000	$0	$200,000
District	$0	$200,000	$0	$200,000
Total	$0	$24,600,000	$0	$24,600,000

Project No. W433	SW IMP - Water Quality - Hunter Springs Stormwater Modification	
Crystal River		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Design, permitting and construction of a modification to an existing drainage retention area which will improve stormwater quality discharged to the Hunters Springs area of Kings Bay.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of stormwater BMP's to provide additional treatment to approximately 34 acres of low density residential stormwater runoff to Kings Bay/ Crystal River, which are Outstanding Florida Waters and a SWIM priority water body. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost $75,00 (Design, Permitting and Construction) City of Crystal River: $37,500District $37,500 requested in FY19.This project has also requested FDEP Springs funding. If approved District funding request will be adjusted accordingly.

Evaluation

Application Quality:	High	Application included all necessary information identified in the CFI Guidelines.
Project Benefit:	Medium	The Resource Benefit of the Water Quality project is the reduction of pollutant loads to Kings Bay/Crystal River, by an estimated 24 lbs/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of $224, and the cost/acre treated is below the historical average cost of $8,050/acre treated for urban/suburban water quality projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing projects.
Complementary Efforts:	Medium	The City of Crystal River has adopted the sprinkling limitations promulgated by the Southwest Florida Water Management District and enforces those restrictions as part of its ongoing code enforcement program. The City has further adopted building codes that require waterfront construction to retain the first 1.5" of rainfall on-site through the construction of swales and/or berms. The City has also adopted an ordinance that bans the use of fast-release fertilizers as a means of protecting water quality. Additionally, the City has over the past several years actively pursued the installation of stormwater treatment devices at points of direct stormwater entry into Kings Bay and related waterways.
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 - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Northern Region Priority**: Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as Medium Priority.	This project improves stormwater quality and reduces nutrients entering Kings Bay/Crystal River, which are Outstanding Florida Waters and a SWIM priority water body.

Funding

Funding Source	Prior	FY2019	Future	Total
Crystal River	$0	$37,500	$0	$37,500
District	$0	$37,500	$0	$37,500
Total	$0	$75,000	$0	$75,000

Heartland Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Project No. N856	WMP – Jack Creek Watershed Management Plan	
Highlands County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 2 of 3

Description	
Description:	Complete a Watershed Management Plan (WMP) for the Jack Creek Josephine Creek watershed in Highlands County, through and including floodplain analysis, Level of Service determination (LOS), and Best Management Practices (BMPs) alternative analysis. FY2019 funding will be used to complete the floodplain analysis and begin the alternative analysis. This will identify the flooding concerns in both the Lake Hill and Jack Creek areas.
Measurable Benefit:	The Measurable Benefit will be to develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost $600,000 Highlands County (25% REDI): $150,000 District: $450,000 with $150,000 budgeted in previous years, $156,000 requested in FY2019 and $144,000 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 cooperator to obtain remaining required information.
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 stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is below the mid-range of historic costs ($20,000 / sq mi or less) for WMPs completed in rural watersheds.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 8 and is in the 6 to 9 range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Strategic Initiative - Emergency Flood Response**: Operate District flood control and water conservation structures, providing effective and efficient assistance to state and local governments and the public to minimize flood damage during and after major storm events. **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

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. Highlands 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
Highlands County (REDI)	$50,000	$52,000	$48,000	$150,000
District	$150,000	$156,000	$144,000	$450,000
Total	$200,000	$208,000	$192,000	$600,000

Project No. N862	Reclaimed Water-Polk County NERUSA CR547 Reclaimed Water Transmission Project	
Polk County Utilities		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 2

Description	
Description:	Design, permitting and construction of approximately 6,900 feet of reclaimed water transmission mains and other necessary appurtenances to supply approximately 1,060 residential irrigation customers in the Williams Preserve, Greenfield Village and Shell Property Areas of NERUSA.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply of 0.377 mgd of reclaimed water to residential customers in the "Ridge Area" of the Central Florida Water Initiative (CFWI).
Costs:	Total project cost: $869,500 (Design, permitting, and construction); Polk County share: $434,750; District share: $434,750 with $50,000 budgeted in FY2018 and $384,750 requested in FY2019.

Evaluation		
Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit is the supply of 0.377 mgd of reclaimed water to residential customers for an anticipated 0.318 mgd of water savings in the "Ridge Area" of the CFWI.
Cost Effectiveness:	High	$2.73 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $0.66 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 on an assessment of the schedule and budget for the 8 ongoing projects.
Complementary Efforts:	High	Polk County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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. **Heartland Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation	
Fund as 1A Priority.	This ongoing project is recommended for funding as it reduces reliance on traditional water sources in the CFWI and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$50,000	$384,750	$0	$434,750
Polk County Utilities	$50,000	$384,750	$0	$434,750
Total	$100,000	$769,500	$0	$869,500

Project No. N880	WMP - Fort Meade Watershed Management Plan	
Fort Meade		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) for the Fort Meade Watershed in the City of Fort Meade. FY2019 funding will be used to complete a geodatabase of model features, model parameterization, floodplain modeling and delineation, Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The City requested to be in the lead role for this project and will be responsible for retaining a 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 $160,000 City of Fort Meade (25% REDI): $40,000 District: $120,000 with $60,000 budgeted in previous years, and $60,000 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 stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is in the low range for costs ($30,000/sq mi or less) for WMPs completed in urban watersheds.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator is not participating in the Community Rating System program.
Project Readiness:	High	The project is ongong 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. Fort Meade 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	$60,000	$60,000	$0	$120,000
Fort Meade (REDI)	$20,000	$20,000	$0	$40,000
Total	$80,000	$80,000	$0	$160,000

Project No. N888	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility	
Haines City		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 2

Description	
Description:	Evaluation of reclaimed water recharge sites, components and advanced treatment necessary to assist in meeting Minimum Flows and Levels (MFLs) on Lake Eva in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI).
Measurable Benefit:	The contractual Measurable Benefit will be a feasibility study to evaluate the MFL benefits of reclaimed water recharge options to improve the Ridge Lakes area.
Costs:	Total Project Cost: $300,000 (Study); Haines City Share (25% REDI): $75,000; District Share: $225,000, of which $112,500 was budgeted in FY2018 and $112,500 is requested in FY2019.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	Study will provide data to evaluate potential sites, components, costs and benefits of up to 0.7 mgd of reclaimed water recharge options to assist in meeting MFLs on Lake Eva in the "Ridge Lakes" area of the CFWI.
Cost Effectiveness:	High	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 the 2 ongoing projects.
Complementary Efforts:	High	Haines City's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has proactive reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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 . **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

Overall Ranking and Recommendation	
Fund as 1A Priority.	This ongoing project is recommended for funding as it will develop a feasibility study of reclaimed water recharge options, which if constructed would assist in meeting MFLs on Lake Eva in the "Ridge Lakes" area of the CFWI. Haines City 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
Haines City (REDI)	$37,500	$37,500	$0	$75,000
District	$112,500	$112,500	$0	$225,000
Total	$150,000	$150,000	$0	$300,000

Project No. N917	WMP - Frostproof Watershed Management Plan	
Frostproof		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) for the Frostproof Watershed in the City of Frostproof. FY2019 funding will be used to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination and Best Management Practices alternative analysis. The City requested to be in the lead role for this project and will be responsible for retaining a consultant to perform project tasks.
Measurable Benefit:	The contractural 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 $120,000 City of Frostproof (25% REDI): $30,000 District: $90,000 with $45,000 budgeted in previous years, and $45,000 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 stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is in the low range for costs ($30,000/sq mi or less) for WMPs completed in urban watersheds.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
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. Frostproof 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	$45,000	$45,000	$0	$90,000
Frostproof (REDI)	$15,000	$15,000	$0	$30,000
Total	$60,000	$60,000	$0	$120,000

Project No. N930	SW IMP - Water Quality - Lake Verona Stormwater Retrofit Project	
Avon Park		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Design, permitting, and construction of stormwater retrofit BMPs in the City of Avon Park to improve water quality discharging to Lake Verona, a Lake Wales Ridge Lake and Heartland Region priority.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of stormwater BMPs to treat 31 acres of watershed discharging to Lake Verona. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $422,455 (Design, permitting, construction) City of Avon Park (25% REDI): $105,614 District: $316,841, with $75,000 budgeted in FY2018 and $241,841 requested in FY2019.

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 Lake Verona by an estimated 113 lb/year TN and 3405 lb/yr TSS.
Cost Effectiveness:	Medium	The estimated cost/lb of TN and TSS removed is lower than the historical average of $224/lb TN and $12/lb TSS, and the cost/acre is higher than the historical average cost of $8,050/acre treated for Urban/Suburban projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	The City has a street sweeper program, a stormwater maintenance program and an active education campaign on stormwater.
Project Readiness:	High	This ongoing project is on time 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. **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project is identified in the District funded Best Management Plan for selected Lake Wales Ridge Lakes Alternative analysis and Conceptual Plans Report. The project will improve water quality discharging to Lake Verona, a Lake Wales Ridge Lake and Heartland Region Priority. The City of Avon Park 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	$75,000	$241,841	$0	$316,841
Avon Park (REDI)	$25,000	$80,614	$0	$105,614
Total	$100,000	$322,455	$0	$422,455

Project No. N933	Restoration - Crooked Lake West Wetland	
Polk County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Design, permitting, and construction of freshwater wetlands adjacent to Crooked Lake in the Ridge Lakes Region of Polk County.
Measurable Benefit:	The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake.
Costs:	Total Project cost: $800,000 (Design, permitting and construction) Polk County: $400,000 District: $400,000, with $100,000 budgeted in FY18 and $300,000 requested in FY19.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines
Project Benefit:	High	The benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority.
Cost Effectiveness:	High	The estimated cost/acre of natural systems restoration is below the historical average of $53,326/acres
Past Performance:	High	Based on an assessment of the schedule and budget for the 8 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ongoing and on schedule and budget.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration**: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project will restore and enhance natural systems adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartlnd Region Priority.

Funding

Funding Source	Prior	FY2019	Future	Total
Polk County	$100,000	$300,000	$0	$400,000
District	$100,000	$300,000	$0	$400,000
Total	$200,000	$600,000	$0	$800,000

Project No. N940	SW IMP - Water Quality - Lake Hunter BMP Project	
City of Lakeland		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description	
Description:	Design, permitting and construction of stormwater BMPs for untreated runoff discharging to Lake Hunter, a FDEP impaired waterbody, located in the City of Lakeland.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of stormwater BMPs to treat runoff from a 84 acre urbanized watershed. There will be no monitoring or performance testing requirements.
Costs:	Total Project cost: $933,980 (Design, permitting and construction) City of Lakeland: $466,990 District share: $466,990, with $74,125 budgeted in FY18 and $392,865 requested in FY19.

Evaluation		
Application Quality:	High	Application included all of 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 Lake Hunter, a FDEP impaired waterbody, by an estimated 272 lbs/yr of TN, 53 lbs/yr of TP and 5960 lbs/yr of TSS.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is below the historical averages of $224/lb, the estimated cost/lb of TP removed is below the historical averages of $896/lb, the estimated cost/lb of TSS removed is below the historical averages of $12/lb and the cost/acre treated is above the historical average cost of $8,050/acre treated for urban/suburban water quality projects.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
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:	Medium	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality.

Overall Ranking and Recommendation	
Fund as 1A Priority.	This ongoing project will improve water quality discharging to Lake Hunter, a FDEP impaired waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
City of Lakeland	$74,125	$392,865	$0	$466,990
District	$74,125	$392,865	$0	$466,990
Total	$148,250	$785,730	$0	$933,980

Project No. N948	Conservation- Polk Regional Water Cooperative Indoor Water Conservation Incentives	
PRWC		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. Several local utilities are collaborating with Polk Regional Water Cooperative (PRWC) to implement the project. This project will include rebates for the replacement of approximately 1,120 high flow toilets. In addition, approximately 2,400 conservation kits and enhanced educational kits will be distributed. Also included are program promotion and surveys necessary to ensure the success of the program.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $156,000; PRWC cost: $78,000; District: $78,000.

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 conservation of approximately 92,000 gallons per day in the Southern Water Use Caution Area (SWUCA) and the Central Florida Water Initiative (CFWI).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on the assessment of the schedule and budget for 4 ongoing projects.
Complementary Efforts:	High	The PRWC encourages and supports water conservation amongst its member governments.
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. **Heartland Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the SWUCA and CFWI and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$78,000	$0	$78,000
PRWC	$0	$78,000	$0	$78,000
Total	$0	$156,000	$0	$156,000

Project No. N962	WMP - Davenport Watershed Management Plan	
Davenport		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of Davenport. FY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks.
Measurable Benefit:	The 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 $150,000 City of Davenport $75,000 District $75,000 with $37,500 requested in FY2019 and $37,500 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information 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 stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is in the low range for costs ($30,000/sq mi or less) for WMPs completed in urban watersheds.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator is 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:	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 High Priority.	This 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.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$37,500	$37,500	$75,000
Davenport	$0	$37,500	$37,500	$75,000
Total	$0	$75,000	$75,000	$150,000

Project No. N971	Conservation- Polk Regional Water Cooperative Outdoor Water Conservation Best Management Practices	FY2019
PRWC		

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Financial incentives, services or hardware to customers for the replacement of various outdoor irrigation and landscape components. Several local utilites are collaborating with PRWC to implement the project. Approximately 7 Florida Friendly Landscape Rebates of up to $2,000 each will be distributed; this involves converting existing landscaped areas that are irrigated with high volume irrigation to a landscaped area that has no irrigation or is irrigated with micro irrigation. The rebate amount will vary based on the actual square footage of irrigation converted. Approximately 200 smart irrigation evapotranspiration (ET) controllers will be made available or rebated; this involves educating the homeowner on proper unit operation. Approximately 400 wireless rain sensors will be made available to homeowners. Approximately 300 irrigation evaluations will be made available to utility customers; this involves providing homeowners recommendations for optimizing the use of water outdoors through Florida Friendly Landscaping practices and other efficient irrigation best management practices as well as installing a rain sensor for project participants who do not have a functioning device. Also included are the educational materials, program promotions follow-up evaluations and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $192,500; PRWC cost: $96,250; District: $96,250.

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 conservation of approximately 113,000 gallons per day in the Southern Water Use Caution Area (SWUCA) and the Central Florida Water Initiative (CFWI).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on the assessment of the schedule and budget for 4 ongoing projects.
Complementary Efforts:	High	The PRWC encourages and supports water conservation amongst its member governments.
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. **Heartland Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the SWUCA and CFWI and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$96,250	$0	$96,250
PRWC	$0	$96,250	$0	$96,250
Total	$0	$192,500	$0	$192,500

Project No. Q022	Reclaimed Water-Bowling Green Mosaic Mine Reclaimed Water Transmission Project	
Bowling Green		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of approximately 15,000 feet of reclaimed water transmission mains and other necessary appurtenances to tie into Wauchula's existing reclaimed water system to provide additional reclaimed water to the Mosaic South Pasture Mine in Northeast Hardee County.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply and utilization of 0.14 mgd of reclaimed water for industrial use in the Southern Water Use Caution Area (SWUCA).
Costs:	Total project cost: $1,111,000 (Construction); City of Bowling Green share (25% REDI): $277,750; District share: $833,250 all of which is requested in FY2019

Evaluation

Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit is the supply of 0.14 mgd of reclaimed water to an industrial customer for an anticipated 0.14 mgd of water savings within the SWUCA.
Cost Effectiveness:	High	$7.94 per gallon per day capital cost which is less than the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $1.91 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 on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	Bowling Green's reclaimed water system will include metering and incentive based reuse rate structures for the industrial 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. **Heartland 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 will supply near-term reuse flows, as well as enable all future City reclaimed water flow increases to be utilized, thereby reducing the reliance on traditional water sources in the SWUCA and is cost effective. Bowling Green 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	$833,250	$0	$833,250
Bowling Green (REDI)	$0	$277,750	$0	$277,750
Total	$0	$1,111,000	$0	$1,111,000

Project No. Q023	Study-Polk Regional Water Cooperative Water Demand Management Plan	
PRWC		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** Yes, Year 1 of 2

Description	
Description:	Development of a Demand Management Plan (DMP) for PRWC and PRWC utilities. The DMP will assess available water conservation potential and articulate a long-term (water conservation) demand side management implementation strategy for PRWC. In addition, it will provide an economic analysis of the potential beneficial delay in expensive Alternative Water Supply (AWS) projects that becomes possible by extending existing supplies via conservation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the Demand Management Plan.
Costs:	Total Project cost: $340,000 PRWC cost: $170,000 District: $170,000 with $85,000 requested in FY2019, and $85,000 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 the project is the potential increase in conservation in the Southern Water Use Caution Area (SWUCA). More accurate conservation potential estimates and conservation implementation planning provides greater reliability of future conservation activities and are important in determining the scale and timing of future AWS projects.
Cost Effectiveness:	Medium	Project costs appear to be consistent with similar regional planning efforts.
Past Performance:	High	Based on the assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The PRWC encourages and supports water conservation amongst its member governments.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Regional Water Supply Planning**: Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs. **Strategic Initiative - Conservation**: Enhance efficiencies in all water-use sectors. **Heartland Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation	
Fund as High Priority.	The DMP will quantify conservation potential in Polk County and provide a strategy for identifying and implementing conservation projects.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$85,000	$85,000	$170,000
PRWC	$0	$85,000	$85,000	$170,000
Total	$0	$170,000	$170,000	$340,000

Project No. W772	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs	
Winter Haven		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, 1 of 2

Description	
Description:	Design, permitting, and construction of stormwater LID BMPs within the urban public right-of-way and park areas in the City of Winter Haven to reduce nutrient loads into the Winter Haven Chain of Lakes, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of stormwater LID BMPs to treat stormwater runoff from an approximately 4.5 acre urbanized watershed. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $240,000 (Design, permitting, construction) City of Winter Haven: $120,000 District: $120,000, with $60,000 budgeted in FY2019 and $60,000 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 had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit is the reduction of pollutant loads and suspended solids into the lakes of the Winter Haven Chain of Lakes, a SWIM priority water body, by an estimated 2,000 lbs/yr TSS.
Cost Effectiveness:	Medium	The estimated cost of TSS is below the historical average of $20/lb and the cost/acre treated is above the historical average of $46,947/acre treated for LID water quality projects.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 3 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. **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

Overall Ranking and Recommendation	
Fund as High Priority.	This project will improve water quality discharging to the Winter Haven Chain of Lakes, a SWIM priority waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
Winter Haven	$0	$60,000	$60,000	$120,000
District	$0	$60,000	$60,000	$120,000
Total	$0	$120,000	$120,000	$240,000

Project No. N898	Reclaimed Water-Haines City Reclaimed Water Tank and Pump Station Project, Final Design and Construction	FY2019
Haines City		

Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 4

Description

Description:	Final design, permitting and construction of a transfer pump station, a storage tank, a high service pump station, a booster station, associated yard piping, electrical modifications, instrumentation, controls, and other necessary appurtenances. Funding was approved in FY18 for 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 to complete design and begin construction.
Measurable Benefit:	The contractual Measurable Benefit is the design, permitting, and construction of equipment that will enable the city to store and supply reclaimed water to existing and future customers in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI). Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $6,160,000 (Design, Third-Party Review, Permitting and Construction) Haines City share (25% REDI): $1,540,000 District share: $4,620,000 with $225,000 budgeted in previous years, $1,125,000 requested in FY 2019 and $3,270,000 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 the remaining required information.
Project Benefit:	Medium	The benefit of this project, if constructed, would be the improvement of reclaimed water availability to enable future reclaimed water system expansions.
Cost Effectiveness:	Medium	The project costs are 16% over the typical range of costs for infrastructure in similar District funded reclaimed water storage and pumping projects.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Haines City's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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 . **Heartland Region Priority**: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.

Overall Ranking and Recommendation

Fund as Medium Priority.	The City is anticipated to complete the 30% design and third-party review by September 2018. Contractually, the City will need Governing Board approval to proceed beyond this task. 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 and start of construction. If constructed, this project will improve the availability of reclaimed water for future reclaimed water system expansions. Haines City 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
Haines City (REDI)	$75,000	$375,000	$1,090,000	$1,540,000
District	$225,000	$1,125,000	$3,270,000	$4,620,000
Total	$300,000	$1,500,000	$4,360,000	$6,160,000

Project No. N899	Study-Polk County Reclaimed Recharge Study in Dover/Plant City WUCA & Northwest Polk Areas	FY2019
Polk County		

Risk Level:	Type 2	Multi-Year Contract: Yes, Year 2 of 3

Description

Description:	This project request is for an ongoing (initially approved in the FY2018 CFI cycle) feasibility study to determine whether indirect aquifer recharge with reclaimed water or non-traditional reuse solutions are viable options to supplement Polk County's Northwest Regional Utility Service Area (NWRUSA) water supplies. The project will include a field scale investigation of using reclaimed water to recharge the Upper Floridan Aquifer which will augment groundwater supplies and potentially enhance water supplies from an existing wellfield. The project will include pilot testing and/or aquifer recharge testing to investigate enhanced recharge, recharge and monitoring wells, lithologic coring, aquifer performance testing, groundwater modeling, and other necessary components.
Measurable Benefit:	The contractual Measurable Benefit will include the completion of a field scale feasibility study by Polk County to develop a reclaimed water project concept to utilize up to 1.5 mgd of reclaimed water for aquifer recharge or to supplement groundwater supplies in the CFWI region, and the conceptual design and permitting of the selected project.
Costs:	Total project cost: $1,189,000 (Feasibility study, field-scale investigation/pilot testing); District share: $594,500; with $250,000 budgeted in FY2018; $250,000 requested in FY2019; and the remaining $94,500 to be requested in future years. Polk County share: $594,500. The project costs for this phase have been revised to $1,189,000 from an original cost estimate of $1,000,000. The reasons for this cost increase include: 1) a refined scope of work and updated project costs for the pilot study based on FDEP input; and 2) expanded duration and scope of water quality sampling to provide the data for potential permitting requirements.

Evaluation

Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	The project benefit is the completion of a field scale feasibility study to develop a reclaimed water project concept to utilize up to 1.5 mgd of reclaimed water for aquifer recharge or to supplement groundwater supplies in the CFWI region.
Cost Effectiveness:	Medium	The costs are consistent with the range of costs for similarly funded District reclaimed recharge and indirect potable reuse pilot studies, howver, this project will be ranked "Medium" rather than a "1A" due to an 18.9% increase in costs.
Past Performance:	High	Based on an assessment of schedule and budget for 8 ongoing projects.
Complementary Efforts:	High	Polk County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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. **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. **Heartland Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as Medium Priority.	The project is recommended for funding, as it provides a field scale feasibility study by Polk County to develop a reclaimed water project concept for aquifer recharge or to supplement groundwater supplies in the CFWI region. This project will be ranked as a "Medium" rather than a "1A" due to the 18.9% increase in costs for the current scope of work.

Funding

Funding Source	Prior	FY2019	Future	Total
Polk County	$250,000	$250,000	$94,500	$594,500
District	$250,000	$250,000	$94,500	$594,500
Total	$500,000	$500,000	$189,000	$1,189,000

Project No. N973	Conservation- Winter Haven Consumption and Conservation Programs Data Management Software	FY2019
Winter Haven		

Risk Level:	Type 1	Multi-Year Contract: Yes, Year 1 of 2

Description

Description:	Implementation of a software program that will promote and encourage water conservation by utility customers. This project will allow software platform setup, including a utility side dashboard, and initially will be available for 19,000 customers. The program is expected to expand as advanced metering infrastructure (AMI) is installed throughout the City over the next several years. The software will: provide a customer portal log-in and graph customers water use over time; promote utility conservation incentives and rebates based on property appraiser data and water use data; compare water use to neighbors (social norming); detect customers side leaks and inform customers of the issue on a daily basis; and educate customers about watering restrictions based on actual daily water usage.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $120,000 City of Winter Haven share: $60,000 District: $60,000 with $30,000 requested in FY2019, and $30,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of the project is the conservation of approximately 16,000 gallons per day in the Southern Water Use Caution Area (SWUCA) and the Central Florida Water Initiative (CFWI).
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.00 and $6.00 per thousand gallons saved.
Past Performance:	Medium	Based on the assessment of the schedule and budget for the 3 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 75 and 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2019

Strategic Goals

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

Overall Ranking and Recommendation

Fund as Medium Priority.	Project will conserve potable water supply in the SWUCA and CFWI and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$30,000	$30,000	$60,000
Winter Haven	$0	$30,000	$30,000	$60,000
Total	$0	$60,000	$60,000	$120,000

Project No. N996	Conservation-Town of Lake Hamilton Distribution System Looping	
Lake Hamilton		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Design, permitting and construction of approximately 5,200 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 five areas by allowing potable water circulation throughout the system.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the construction of approximately 5,200 feet of new potable water lines and associated components to eliminate distribution system dead-ends. Construction will be done in accordance with the permitted plans.
Costs:	Total Project Cost: $521,000 (Design, permitting, and construction) USDA Grant: $354,853 Town of Lake Hamilton (25% REDI): $41,537 District: $124,610

Evaluation

Application Quality:	Medium	Application included most of the required information in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The resource benefit is the conservation of approximately 19,554 gallons per day in the SWUCA and the CFWI.
Cost Effectiveness:	Low	Project cost effectiveness is above $6.01 per thousand gallons saved ($6.43). In comparison to reclaimed water construction projects, cost-effectiveness is below the threshold of being highly cost-effective. (Transmissions/Interconnects - $6.60 or less)
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	The cooperator strongly discourages the creation of dead end water lines with new development.
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 Medium Priority.	This project will conserve potable water in the SWUCA and the CFWI. The town of Lake Hamilton's aging infrastructure requires staff to flush dead-end lines regularly to ensure water quality standards are met for their customers. Looping these dead-end lines will allow for an immediate reduction in flushing quantities for this REDI Community. This project will enhance system efficiency and promote conservation. Lake Hamilton 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	$124,610	$0	$124,610
Lake Hamilton (REDI)	$0	$41,537	$0	$41,537
USDA	$0	$354,853	$0	$354,853
Total	$0	$521,000	$0	$521,000

Southern Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Southwest Florida
Water Management District

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. 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

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Tampa Bay Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Project No. N665	DAR - Clearwater Groundwater Replenishment Project Phase 3	
City of Clearwater		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 5 of 7

Description

Description:	The project consists of design, third-party review, permitting and construction for the full-scale water purification plant, and the injection and monitor well systems at Clearwater's Northeast Water Reclamation Facility to recharge 2.4 mgd annual average of purified recycled water. This application requests the remaining funds necessary to complete project construction.
Measurable Benefit:	The contractual Measurable Benefit will be to recharge 2.4 mgd annual average of purified recycled water to the Upper Floridan aquifer.
Costs:	Total project cost: $32,716,000 (design, third-party review, permitting and construction) Clearwater share: $16,358,000 District share: $16,358,000 with $11,685,600 budgeted in previous years, $500,000 requested in FY19 and $4,172,400 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information in the CFI Guidelines.
Project Benefit:	High	The Project will beneficially recharge 2.4 mgd of purified water into the Upper Floridan aquifer on an annual average basis. Aquifer recharge will improve groundwater levels in the NTBWUCA, reduce the effects of saltwater intrusion, and increase the City's future water supply potential.
Cost Effectiveness:	Medium	The capital cost for this project is $13.63 per gdp of water treated and recharged into the Upper Floridan aquifer compared to the $10 - $15 range for Total Capital Cost/gpd of water resource benefit.
Past Performance:	High	Based on an assessment of the schedule and budget for the 6 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. **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. **Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies. **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 will provide for cost effective aquifer replenishment of water levels in the NTBWUCA. The City's third-party review and current project cost were approved by the Governing Board in 2016.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$11,685,600	$500,000	$4,172,400	$16,358,000
City of Clearwater	$11,685,600	$500,000	$4,172,400	$16,358,000
Total	$23,371,200	$1,000,000	$8,344,800	$32,716,000

Project No. N791	Reclaimed Water - Pasco County Starkey Ranch Reclaimed Water Transmission Project - Project C	FY2019
Pasco County		

Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 3 of 3

Description

Description:	Design, permitting and construction of approximately 5,700 feet of reclaimed water transmission mains and other necessary appurtenances to supply residential, commercial and institutional customers in the Phase C area of the Starkey Ranch development.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply of 0.29 mgd of reclaimed water for irrigation to mixed-use customers in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
Costs:	Total project cost $913,600 (Design, permitting, and construction); Pasco County Cost $456,800; District Cost $456,800, with $108,873 requested for FY2019.

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit is the supply of 0.29 mgd of reclaimed water to residential, commercial and institutional customers for anticipated 0.218 mgd of water savings in the NTBWUCA.
Cost Effectiveness:	High	$4.19 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost/benefit is $1.01 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:	Medium	Based on an assessment of the schedule and budget for 12 ongoing projects.
Complementary Efforts:	Medium	Pasco County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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 . **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project is recommended for funding as it reduces reliance on traditional sources in the NTBWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$347,927	$108,873	$0	$456,800
District	$347,927	$108,873	$0	$456,800
Total	$695,854	$217,746	$0	$913,600

Project No. N803	WMP - Anclote River Watershed Management Plan	
Pinellas County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 3 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) for the Anclote River Watershed in Pinellas County, through and including Floodplain Analysis, Level of Service (LOS) Determination, Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) Alternatives Analysis. FY2019 funding will be used to complete Floodplain Analysis, LOS Determination, SWRA, and BMP Alternatives Analysis.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that identifies floodplain, establishes LOS, evaluates BMPs to address LOS deficiencies, and provides a geodatabase with projected results from watershed model simulations for floodplain management and water quality management.
Costs:	Total project cost $800,000 Pinellas County share $400,000 District $400,000 with $300,000 budgeted in previous years and $100,000 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 stormwater systems.
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 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 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, to help implement solutions that alleviate flood risk and improve water quality, and to enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2019	Future	Total
Pinellas County	$300,000	$100,000	$0	$400,000
District	$300,000	$100,000	$0	$400,000
Total	$600,000	$200,000	$0	$800,000

Project No. N836	SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 1 & 2	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Land acquisition, design, permitting, and construction for conveyance improvements within Units 1 and 2 of Zephyr Creek, the most downstream portions of the overall Zephyr Creek Watershed. Unit 1 consists of acquisition of floodplain easements south of Chancey Road to account for increased flood stages from upstream Unit 2 improvements. Unit 2 improvements include increased conveyance capacity for the creek system from C Avenue to US Highway 301. FY2019 funding will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of conveyance improvements within the Zephyr Creek Watershed Units 1 and 2.
Costs:	Total project cost $2,150,000 (Land acquisition, design, permitting, construction) Pasco County share $1,075,000 (Includes $200,000 of land acquisition costs as funding match) District $1,075,000 with $150,000 budgeted in previous years and $925,000 requested in FY2019.

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 Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 is an ongoing project which will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing conveyance improvements within the Zephyr Creek Watershed Units 1 and 2, and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$150,000	$925,000	$0	$1,075,000
District	$150,000	$925,000	$0	$1,075,000
Total	$300,000	$1,850,000	$0	$2,150,000

Project No. N837	Reclaimed Water - Pasco Co. Cypress Preserve Recl. Water Transmission Project Year 2 of 2
Pasco County	FY2019

Risk Level:	Type 2	Multi-Year Contract: Yes, Year 2 of 2

Description

Description:	Construction of approximately 3,000 feet of reclaimed water transmission mains and other necessary appurtenances to supply approximately 557 single family homes, 284 multi-family homes, and approximately 15 acres of common areas in the Cypress Preserve community. The District is only funding the construction portion, as the County completed design and permitting prior to the effective date of the Agreement.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the supply of 0.19 mgd of reclaimed water to residential customers in the North Tampa Bay Water Use Caution Area (NTBWUCA).
Costs:	Total project cost: $315,000 (Construction); Pasco County share: $157,500; District share: $157,500 with $17,500 budgeted in previous years and $140,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	The supply of 0.19 mgd of reclaimed water to residential customers for an anticipated 0.114 mgd of water savings in the NTBWUCA.
Cost Effectiveness:	High	$2.76 per gallon per day capital cost for the water resource benefit, which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $0.67 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:	Medium	Based on an assessment of the schedule and budget for the 12 ongoing projects.
Complementary Efforts:	Medium	Pasco reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project provides cost effective reclaimed water in the NTBWUCA.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$17,500	$140,000	$0	$157,500
Pasco County	$17,500	$140,000	$0	$157,500
Total	$35,000	$280,000	$0	$315,000

Project No. N859	SW IMP - Flood Protection - Holiday Hill Subdivision Drainage Improvement	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Land acquisition, design, and construction of the expansion of an existing stormwater pond and the addition of a new pump station and outfall for the Holiday Hills Subdivision in Pasco County. The neighborhood receives offsite, intermediate system flows and experiences routine flooding. This project includes the purchase of parcels adjacent to an existing stormwater pond and the expansion of the pond. A pump station with outfall piping will redirect flows to an alternative outfall to the north of the subdivision. FY2019 funding will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be the expansion of an existing stormwater pond and addition of a pump station and associated outfall piping.
Costs:	Total project cost $1,100,000 (Land acquisition, design, permitting, construction) Pasco County share $550,000 (Includes $200,000 of land acquisition costs as funding match) District $550,000 with $100,000 budgeted in previous years and $450,000 requested in FY2019.

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 Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structure and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 is an ongoing project which will reduce structure and street flooding during the 25 year, 24-hour storm event by expanding an existing stormwater pond and constructing a new pump station and associated outfall piping, and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$100,000	$450,000	$0	$550,000
District	$100,000	$450,000	$0	$550,000
Total	$200,000	$900,000	$0	$1,100,000

Project No. N867	SW IMP - Flood Protection - Palm Avenue Flooding Abatement	
Tarpon Springs		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	This project is the design, permitting, and construction of a stormwater management facility located at the southeast corner of the intersection of Gulf Road and Tarpon Drive , and installation of an associated stormwater collection system along Palm Avenue and Tarpon Drive . Due to lack of stormwater infrastructure, the project area has experienced structure and roadway flooding problems. FY2019 funding will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be construction of a new stormwater management facility and associated stormwater collection system.
Costs:	Total project cost $499,958 (design, permitting, and construction) City of Tarpon Springs share $249,979 District $249,979 with $49,387 budgeted in previous years and $200,592 requested in FY2019

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI guidelines.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 25-year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Costs are based on design. Engineer's costs estimates appear to be reasonable based on available information or are similar when compared to similar projects if information is available.
Past Performance:	High	Based on an assessment of the schedule and budget for the 3 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 7 and is in the 6 to 9 range.
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. **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 will provide flood protection for streets and structures during the 25-year, 24-hour storm event and provide net improvement to water quality of impaired waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
Tarpon Springs	$49,387	$200,592	$0	$249,979
District	$49,387	$200,592	$0	$249,979
Total	$98,774	$401,184	$0	$499,958

Project No. N870	SW IMP - Flood Protection - Colonial Manor Drainage Improvement	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Land acquisition, design, permitting, and construction of grass swales and culverts to capture and reroute stormwater within the intermediate drainage system of the Colonial Manor neighborhood. The existing system is inadequate to handle receiving stormwater flows and the redirection of flows and expansion of existing culverts will enable the system to recover quicker while also reducing flood elevations. FY2019 funding will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of grass swales and culverts to redirect stormwater.
Costs:	Total project cost $2,400,000 (Land acquisition, design, permitting, construction) Pasco County share $1,200,000 (Includes $100,000 of land acquisition costs as funding match) District $1,200,000 with $134,000 budgeted in previous years and $1,066,000 requested in FY2019.

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 Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 is an ongoing project which will reduce structure and street flooding during the 25 year, 24-hour storm event by constructing grass swales and culverts to reroute stormwater flows within the Colonial Manor neighborhood, and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$134,000	$1,066,000	$0	$1,200,000
District	$134,000	$1,066,000	$0	$1,200,000
Total	$268,000	$2,132,000	$0	$2,400,000

Project No. N913	SW IMP - Flood Protection - Ironbark Flood Abatement	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Land acquisition, design, permitting, and construction of interconnected wet pond areas to a dry storage basin for flood abatement and an emergency outfall connection for recovery following major storm events in the Gulf Highlands neighborhood. Construction of the BMPs within the 111 acre closed basin will relieve flooding impacts to residential properties and reduce street flooding. The FY2019 funding will be utilized to complete construction of the proposed drainage system.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a conveyance to connect wet and dry pond areas.
Costs:	Total project cost $4,110,000 (Land acquisition, design, permitting, construction) Pasco County share $2,055,000 (Includes $238,000 of land acquisition costs as funding match) District $2,055,000 with $75,000 budgeted in previous years and $1,980,000 requested for FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing conveyance additions in the Gulf Highlands neighborhood.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$75,000	$1,980,000	$0	$2,055,000
District	$75,000	$1,980,000	$0	$2,055,000
Total	$150,000	$3,960,000	$0	$4,110,000

Project No. N915	SW IMP - Flood Protection - Lower Spring Branch Conveyance Improvements	
City of Clearwater		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Design, permitting, and construction of conveyance improvements along the Lower Spring Branch of Stevenson Creek in Pinellas County. City of Clearwater and Pinellas County are co-applicants for this project. FY2019 funding will be used for construction.
Measurable Benefit:	The contractual Measurable Benefit will be the conveyance improvements at the Douglas Avenue, Springtime Avenue, Overbrook Avenue and Sunset Point Road crossings of the Lower Spring Branch system.
Costs:	Total project cost $3,320,000 (Design, permitting, construction) Pinellas County share $500,000City of Clearwater share $1,160,000District: $1,660,000 with $625,000 budgeted in previous years, $517,500 requested in FY2019, and $517,500 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event, providing flood relief for approximately 11 homes. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Low	Benefit/Cost ratio is less than 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for a combined 15 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 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 will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing conveyance improvements along the Lower Spring Branch of Stevenson Creek in Pinellas County.

Funding

Funding Source	Prior	FY2019	Future	Total
City of Clearwater	$125,000	$517,500	$517,500	$1,160,000
Pinellas County	$500,000	$0	$0	$500,000
District	$625,000	$517,500	$517,500	$1,660,000
Total	$1,250,000	$1,035,000	$1,035,000	$3,320,000

Project No. N924	WMP - Lake Tarpon Watershed Management Plan	
Pinellas County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) for the Lake Tarpon watershed in Pinellas County, through and including floodplain analysis, Level of Service determination (LOS), and Best Management Practices (BMPs) alternative analysis. FY2019 funding will be used to complete the Floodplain Analysis.
Measurable Benefit:	The contractual Measurable Benefit will be to develop 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 $400,000 Pinellas County share $200,000 District $200,000 with $50,000 budgeted in previous years and $150,000 requested in FY2019.

Evaluation

Application Quality:	High	Application included all of 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 stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is in the low range for costs ($30,000/sq mi or less) for WMPs completed in urban watersheds.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 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 ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Strategic Initiative - Emergency Flood Response**: Operate District flood control and water conservation structures, providing effective and efficient assistance to state and local governments and the public to minimize flood damage during and after major storm events. **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 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.

Funding

Funding Source	Prior	FY2019	Future	Total
Pinellas County	$50,000	$150,000	$0	$200,000
District	$50,000	$150,000	$0	$200,000
Total	$100,000	$300,000	$0	$400,000

Project No. N943	Restoration - Central Pasco Recharge Wetlands Facility Optimization	
Pasco County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	The project will evaluate the performance of a constructed wetlands recharge facility (the Central Pasco County Beneficial Water Reuse Project) and develop guidelines for control of the wetland cells to optimize reclaimed water use, groundwater recharge, and wetland environmental health. The design and construction of the facility was co-funded by the District under the CFI project N666. The construction of the facility is currently complete. As part of this project, operational parameters related to water level management will be assessed based on cell by cell impacts to local groundwater levels, loading requirements set forth in the N666 Agreement, and by plant establishment. This FY2019 funding request will support the second year of data collection and analysis.
Measurable Benefit:	The contractual Measurable Benefit will be the collection and evaluation of operational data and the completion of a technical report on optimization of recharge in a constructed wetlands recharge facility.
Costs:	Total project cost: $280,000 Pasco County share: $140,000 District share: $140,000, with $60,000 approved for FY18, $50,000 requested for FY19, and $30,000 anticipated to be requested for FY20.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. Distrct PM/CM had to work with cooperator to obtain remaining required information .
Project Benefit:	High	The benefit of the project is the optimization of recharge in a constructed wetlands recharge facility.
Cost Effectiveness:	High	Costs are comparable to similar projects performed or funded by the District.
Past Performance:	Medium	Based on an assessment of the schedule and budget for 12 ongoing projects.
Complementary Efforts:	High	County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has proactive reclaimed water expansion policies which maintain utilization, water resource benefits, and environmental benefits.
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 . **Strategic Initiative - Minimum Flows and Levels Establishment and Recovery**: To prevent significant harm and reestablish the natural ecosystem , determine MFL's and, where necessary, develop and implement recovery plans. **Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as 1A Priority.	This ongoing project will provide information on individual wetland cell recharge rates and optimal planting schemes, which will maximize the recharge rates and treatment of the facility, as well as provide useful information to assist with the design of future similar facilities. This is the second year of a three year project.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$60,000	$50,000	$30,000	$140,000
District	$60,000	$50,000	$30,000	$140,000
Total	$120,000	$100,000	$60,000	$280,000

Project No. W305	SW IMP - Water Quality - Roosevelt Stormwater Retrofit Project	
Pinellas County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Design, permitting and construction of stormwater treatment BMPs in the Roosevelt Basin, in Pinellas County, which drains to Old Tampa Bay, a SWIM Priority Waterbody. The retrofit proposes to increase the watershed to include an area not currently receiving stormwater treatment and improve nitrogen removal in the existing pond.
Measurable Benefit:	The contractual Measurable Benefit will be construction of stormwater retrofit BMPs to treat approximately 21 acres of urbanized watershed. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $701,020 (Design, permitting and construction) Pinellas County: $350,510 District: $350,510, with $50,000 budgeted in prior years and $300,510 requested in FY19.

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 waterbody, by an estimated 157 lbs/year of TN.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is below the historical average cost of $224/lb, and the cost per acre treated is above the historical average cost of $8,050/acre treated for urban/suburban water quality projects.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	The project is ready to begin on or before December 1, 2017.

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.	The ongoing project is cost effective and will improve water quality draining from a watershed that discharges to Tampa Bay, a SWIM Priority waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$50,000	$300,510	$0	$350,510
Pinellas County	$50,000	$300,510	$0	$350,510
Total	$100,000	$601,020	$0	$701,020

Project No. N748	SW IMP - FP - Dale Mabry Henderson Trunkline - Upper Peninsula Watershed Drainage Improv. FY2019
City of Tampa	

Risk Level:	Type 3	Multi-Year Contract: Yes, 4 of 6

Description

Description:	This project is for design, permitting and construction to improve the existing drainage system for the Dale Mabry Highway and Henderson Boulevard area in the City of Tampa to relieve commercial and street flooding. An alternative analysis was completed in 2012 and identified this project as a preferred alternative. Funding was approved in FY2016 for 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 FY2019 funding request is for construction.
Measurable Benefit:	The contractual Measurable Benefit will be completion of design, permitting and construction of the drainage conveyance system BMP's to reduce flooding in approximately 533 acres of highly urbanized basin. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $36,500,000 (design, third-party review, permitting, construction) City of Tampa share $18,250,000 District $18,250,000 with $5,000,000 budgeted in previous years, $5,000,000 requested in FY2019 and $8,250,000 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 project will reduce the existing flooding problem during the 2.33 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	High	Based on an assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
Project Readiness:	High	The 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 High Priority.	It is anticipated that the 30% design and third party review will be presented to the Governing Board on March 27, 2018. Contractually, the City will need Governing Board approval to proceed beyond this task. Project cost has decreased from $40,000,000 to $36,500,000. Staff will request Governing Board approval to amend the City's Cooperative Funding Agreement to continue through project final design, permitting, and construction. Overall ranking remains High. This project will provide flood protection for structures and streets during the 2.33 year, 24-hour storm event. Project area serves as the main evacuation route for South Tampa.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$5,000,000	$5,000,000	$8,250,000	$18,250,000
City of Tampa	$5,000,000	$5,000,000	$8,250,000	$18,250,000
Total	$10,000,000	$10,000,000	$16,500,000	$36,500,000

Project No. N773	SW IMP - Flood Protection - Cypress Street Outfall Regional Stormwater Improvements
City of Tampa	FY2019

Risk Level:	Type 3	Multi-Year Contract: Yes, 3 of 5

Description

Description:	This project is for design, permitting and construction to improve the existing drainage system for the West Riverfront and North Hyde Park areas in the City of Tampa to relieve structure and street flooding. This project is for construction of Phase 2 of the project which extends the Phase 1 outfall which was funded solely by the City of Tampa. Funding was approved in FY2017 for 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 FY2019 funding request is for construction.
Measurable Benefit:	The contractual Measurable Benefit will be completion of design, permitting and construction of the proposed project to construct drainage conveyance system BMP's to reduce flooding in approximately 895 acres of highly urbanized basin. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $30,000,000 (design, third-party review, permitting and construction) City of Tampa share $15,000,000 District $15,000,000 with $1,500,000 budgeted in previous years, $3,000,000 requested in FY2019 and $10,500,000 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 project will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	High	Based on an assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
Project Readiness:	High	The 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 High Priority.	It is anticipated that the 30% design and third party review will be complete by June 2018. Contractually, the City will need Governing Board approval to proceed beyond this task. 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 FY2019 funding for construction. This project will provide flood protection for structures and streets during the 25 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
City of Tampa	$1,500,000	$3,000,000	$10,500,000	$15,000,000
District	$1,500,000	$3,000,000	$10,500,000	$15,000,000
Total	$3,000,000	$6,000,000	$21,000,000	$30,000,000

Project No. N850	SW IMP - Flood Protection - Sea Pines Neighborhood Flood Abatement	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Land acquisition, design, permitting, and construction of new and upgraded stormwater conveyance systems and storage ponds within the Sea Pines neighborhood in western Pasco County. Funding was approved in FY2018 for 30% design and third-party review. The District required a third-party review because this project is complex and includes multiple land acquisitions. The FY2019 funding request is to complete design, permitting, and begin construction.
Measurable Benefit:	The contractual Measurable Benefit will be for design, permitting, and construction of new stormwater conveyance and storage systems within the intermediate stormwater system of the Sea Pines neighborhood. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $3,300,000 (land acquisition, design, third-party review, permitting, construction) Pasco County share $1,650,000 (Includes $250,000 of land acquisition costs as funding match) District $1,650,000 with $150,000 budgeted in previous years, $500,000 requested in FY2019, and $1,000,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Benefit/cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 High Priority.	It is anticipated that the 30% design and third party review will be complete by December 2018. Contractually, the County will need Governing Board approval to proceed beyond this task. 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 FY2019 funding for completion of design, permitting and to begin construction. This project will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing new stormwater conveyance and storage ponds. It has a high resource benefit and medium cost effectiveness.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$150,000	$500,000	$1,000,000	$1,650,000
Pasco County	$150,000	$500,000	$1,000,000	$1,650,000
Total	$300,000	$1,000,000	$2,000,000	$3,300,000

Project No. N855	DAR - South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1	
Hillsborough County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 4

Description

Description:	Continuation of the FY2018 Phase 1 project to include the final design, permitting, construction, testing, and independent performance evaluations of two recharge well sites (Sites 1 and 2). Each site will consist of one 2 mgd reclaimed water recharge well, four monitoring wells, and necessary transmission and appurtenances for recharge and monitoring. Funding was approved in FY2018 for third-party review (TPR) and, with additional Governing Board approval, completion of design, permitting and initial construction.
Measurable Benefit:	The contractual Measurable Benefit is for final design, permitting, construction and testing of Site 1, including the completion of an independent performance evaluation. If performance evaluation results are favorable and with additional Governing Board approval, the contractual Measurable Benefit will include operation of Site 1 for 20 years at a minimum injection rate of 2 mgd. Once Site 1 is operational, and with favorable performance evaluation results for Site 2, and additional Governing Board approval, the contractual Measurable Benefit will include the construction and operation of Site 2 for 20 years at a minimum injection rate of 2 mgd.
Costs:	Total project cost $9,700,000 (final design, TPR, permitting, construction, testing, and independent performance evaluations) Hillsborough County Share $4,850,000 District $4,850,000 with $2,265,000 budgeted in previous years, $2,235,000 requested in FY2019, and $350,000 anticipated to be requested in future years.

Evaluation

Application Quality:	Low	District project manager had to work with the cooperator to obtain required information and cooperator was unable to provide the required information at the time of the evaluation.
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.
Cost Effectiveness:	High	The project is consistent with the range of costs for similarly funded District projects.
Past Performance:	Medium	Based on an assessment of the schedule and budget for 17 ongoing project(s).
Complementary Efforts:	High	County implements reclaimed metering and incentive based rate structures, and has proactive reclaimed expansion policies to maximize use & benefits.
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 County and District are anticipated to complete 30% design and TPR, respectively, by Fall 2018 for Sites 1 and 2. Contractually, the County 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 construction and to begin operation. Future funding is to perform tests and performance evaluations of two well sites. The District will not reimburse funds for Site 2 until Site 1 is operating, the performance evaluation is satisfactory, and the Governing Board approves. The County may pursue potential future net benefit or impact offset potable water supply based on this project. If pursued, contractually, the County will be required to comply with District cooperative funding guidelines, policies, and procedures and water use permitting rules. If successful, this project is expected to improve aquifer levels in the MIA of the SWUCA.

Funding

Funding Source	Prior	FY2019	Future	Total
Hillsborough County	$2,265,000	$2,235,000	$350,000	$4,850,000
District	$2,265,000	$2,235,000	$350,000	$4,850,000
Total	$4,530,000	$4,470,000	$700,000	$9,700,000

Project No. N865	SW IMP - Flood Protection - Magnolia Valley Storage and Wetland Enhancement	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 3 of 4

Description

Description:	Design, permitting, and construction of the Magnolia Valley Storage and Wetland Enhancement Area. This project consists of conveyance improvements in contributing areas and excavation to provide stormwater storage and wetland enhancement on a former golf course purchased by the County as part of the previous cooperatively funded Magnolia Valley Stormwater Facility and Pump Station Project (N835). Funding was approved in FY2018 for 30% design and third-party review. The District required a third-party review because this project has a conceptual estimate greater than $5 million dollars. The FY2019 funding request is to complete design and permitting.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting and construction of stormwater storage and wetland enhancements within the Magnolia Valley contributing area. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $13,000,000 (design, third-party review, permitting, construction) Pasco County share $6,500,000 District $6,500,000 with $300,000 budgeted in previous years, $200,000 requested in FY2019, and $6,000,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Benefit/cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **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.	It is anticipated that the 30% design and third party review will be complete by April 2019. Contractually, the County will need Governing Board approval to proceed beyond this task. 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 FY2019 funding for completion of design and permitting. This project will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing new stormwater storage ponds, conveyance improvements and wetland enhancements. It has a high resource benefit and medium cost effectiveness.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$300,000	$200,000	$6,000,000	$6,500,000
District	$300,000	$200,000	$6,000,000	$6,500,000
Total	$600,000	$400,000	$12,000,000	$13,000,000

Project No. N901	SW IMP - Flood Protection - Port Richey Alternative Outfall	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 3

Description

Description:	Land acquisition, design, permitting, and construction of an alternative outfall for the Port Richey Slough system. Currently, stormwater flows from the Magnolia Valley area through a slough system which eventually discharges north under Ridge Road and then west under 19 to the Gulf of Mexico. Flooding is experienced as the wetland slough area narrows into a channel. This project will provide an alternative outfall that connects the slough system to an existing outfall to the Gulf, just south of Ridge Road. Funding was approved in FY2018 for 30% design and third-party review. The District required a third-party review because this project has complex design and land acquisition elements. The FY2019 funding request is to complete design and permitting.
Measurable Benefit:	The contractual Measurable Benefit will be for the design, permitting and construction of an alternative outfall for the Port Richey Slough. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $3,250,000 (land acquisition, design, third-party review, permitting, construction) Pasco County share $1,625,000 (Includes $100,000 of land acquisition costs as funding match) District $1,625,000 with $225,000 budgeted in previous years, $400,000 requested in FY2019, and $1,000,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 - Minimum Flows and Levels Establishment and Recovery**: To prevent significant harm and reestablish the natural ecosystem, determine MFL's and, where necessary, develop and implement recovery plans. **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.	It is anticipated that the 30% design and third party review will be complete by June 2019. Contractually, the County will need Governing Board approval to proceed beyond this task. 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 FY2019 funding for completion of design and permitting. This project will reduce structure and street flooding during the 100 year, 24-hour storm event by constructing an alternative outfall for the Port Richey Slough system.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$225,000	$400,000	$1,000,000	$1,625,000
District	$225,000	$400,000	$1,000,000	$1,625,000
Total	$450,000	$800,000	$2,000,000	$3,250,000

Project No. N949	SW IMP - Flood Protection - Southeast Seminole Heights Flood Relief	
City of Tampa		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	This project consists of the 30% design and third-party review for the construction of regional stormwater improvements to serve an area of approximately 780 acres of urban environment discharging into the Hillsborough River south of the Hillsborough River Dam in the Southeast Seminole Heights area of the City of Tampa. The City's intent is to construct and implement several flood relief efforts in the watershed to alleviate frequent and dangerous flooding on critical evacuation routes and in residential neighborhoods. These flood relief efforts include upsizing existing pipes, installing higher capacity trunklines, and constructing new stormwater ponds for water quality and quantity purposes. District funding is for 30% design and third-party review as this project has a conceptual construction estimate greater than $5 million dollars. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.
Measurable Benefit:	The contractual Measurable Benefit will be completion of 30% design of the proposed project to construct drainage conveyance system BMPs to reduce flooding in approximately 780 acres of highly urbanized basin.
Costs:	Total project cost $1,000,000 (30% design, third-party review) City of Tampa share $500,000 District $500,000; The conceptual estimate to complete design, permitting and construction is $23,500,000. It is anticipated that the City of Tampa will request funding to complete design, permitting and construction 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 information.
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 5 year, 8-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	High	Based on an assessment of the schedule and budget for the 9 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 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 - 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 City is requesting funds to complete the 30% design and third-party review. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will provide flood protection for structures and street during the 5 year, 8-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$500,000	$0	$500,000
City of Tampa	$0	$500,000	$0	$500,000
Total	$0	$1,000,000	$0	$1,000,000

Project No. N955	Conservation - St. Petersburg Toilet Rebate Program, Phase 17	
City of St. Petersburg		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 which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. The project will include rebates and program administration for the replacement of approximately 275 residential and commercial toilets. Also included are educational materials, program promotion/marketing and surveys necessary to ensure the success of the program.
Measurable Benefit:	The Measurable Benefit, which will be the contractual requirement, is the implementation of the program and the completion of a Final Report.
Costs:	Total project costs: $50,000 City of St. Petersburg: $25,000 District: $25,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The project will conserve an estimated 6,725 gallons per day in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
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 6 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 75 and 125.
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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water in the NTBWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$25,000	$0	$25,000
City of St. Petersburg	$0	$25,000	$0	$25,000
Total	$0	$50,000	$0	$50,000

Project No. N961	Study-St. Petersburg Satellite Based Potable Water Leak Detection Study	
City of St. Petersburg		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Implementation of a water conservation pilot study to evaluate a satellite-based technology to identify and locate sources of water loss on a city-wide scale. Satellite-based remote sensing to identify water leakage is an emerging technology and this study will serve as a pilot program which may provide a new regional tool to reduce water loss. In 2015, District-wide water loss was 38 million gallons a day. As the technology identifies water leakage, a dedicated team of City staff will proceed to pinpoint and repair the leaks. The repair cost is not included in this project.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a Final Report.
Costs:	Total Project Cost: $120,000; City of St. Petersburg: $60,000; District: $60,000.

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 an estimated 110,000 gpd of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
Cost Effectiveness:	High	Project cost effectiveness is less than $3.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as High Priority.	This project conserves potable water supply in the NTBWUCA and is cost effective. This study will serve as a pilot program which may provide a new regional tool to reduce water loss.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$60,000	$0	$60,000
City of St. Petersburg	$0	$60,000	$0	$60,000
Total	$0	$120,000	$0	$120,000

Project No. N965	AWS - Tampa Bay Water Tampa Bypass Canal Gates Automation	
Tampa Bay Water		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	This design, permitting and construction project will equip existing manual weir gates located on top of the larger flood control gates with remote-controlled motorized actuators at the Tampa Bypass Canal Structures 160, 161, and 162. The structures are owned by the Army Corps of Engineers, the flood control gates are operated by the District, and the weir gates are operated by Tampa Bay Water. This project includes the installation of automation on nine flood control gates.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of remote controlled, motorized gate actuators at Tampa Bypass Canal Structures S-160, S-161 and S-162. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $1,032,000 (Design, permitting and construction) Tampa Bay Water $516,000, District $516,000, with $210,700 in FY2019 and $305,300 in future years.

Evaluation

Application Quality:	High	Application included the required information identified in the CFI guidelines.
Project Benefit:	High	This project will allow a more controlled release of water from pool to pool at the Tampa Bypass Canal, and reduce water loss due to flood management. Automating the weir gates will improve the water quality by better controlling the use of the larger flood control gates which stirs up bottom sediment in the canal. This project will reduce the frequency of District manual operation of the larger flood control gates.
Cost Effectiveness:	High	Project cost is comparable to previous projects with similar scopes of work.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high
Complementary Efforts:	High	Cooperator completed similar work at five other existing gates.
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. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority.	Project will provide an economic method for water conservation and increased alternative water supply.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$210,700	$305,300	$516,000
Tampa Bay Water	$0	$210,700	$305,300	$516,000
Total	$0	$421,400	$610,600	$1,032,000

Project No. N966	SW IMP - Flood Protection - Gibson Avenue Drainage Improvements	
Hillsborough County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	This project is for construction to improve the existing drainage system by constructing a retention pond and enlarging the existing pump station located on the north side of Gibson Avenue between North 56th and 58th Streets in the Hillsborough River watershed in Hillsborough County. The project experiences repetitive flooding with the existing pump station's lack of retention volume for runoff attenuation. The proposed system will provide flooding relief for the area up to the 25 year, 24-hour storm event for approximately 25 acres. FY2019 funding will be used for construction of the retention pond and enlarging the pump station.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a retention pond and enlarging the pump station, in accordance with the permitted plans.
Costs:	Total project cost $1,800,000 (construction) Hillsborough County share $900,000 (Includes $789,000 of land acquistion costs as funding match) District $900,000 requested in FY2019.

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 information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event for structures. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 17 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.	The project will reduce flooding for structures and streets for the 25 year, 24-hour storm event, and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$900,000	$0	$900,000
Hillsborough County	$0	$900,000	$0	$900,000
Total	$0	$1,800,000	$0	$1,800,000

Project No. N967	SW IMP - Flood Protection - Hidden Lake/Yellow Lake	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	The project is for eligible FY2019 design of the Hidden Lake/Yellow Lake flood protection project including 30% design, third-party review, and additional design needed in FY2019. This project, if constructed, consists of land acquisition of surplus District property, design, permitting, and construction of berms around the Hidden Lake property and ancillary facilities to provide flood storage and flood mitigation in the downstream Yellow Lake and Lake Worrell watersheds . District funding is for eligible FY2019 design work including third-party review as this project has a conceptual project estimate over $5 million dollars.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of this proposed project to construct berms and ancillary facilities to contain flood waters within the Hidden Lake property.
Costs:	Total project cost $400,000 (Eligible FY2019 design and third-party review) Pasco County share $200,000 District $200,000 This project requires a third-party review of 30% design plans prior to approval to proceed with final design, permitting, and construction. The total conceptual estimate for design, permitting, and construction is $6,000,000 (Including $800,000 in land acquisition). It is anticipated that the County will request funding to complete design, permitting, and construction 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 Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100-year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 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.	District funding is for eligible FY2019 design work including third-party review. The County will need Governing Board approval to proceed beyond 30% design and third-party review. Land acquisition would be eligible following Governing Board approval 30% design and third-party review as match for construction. If constructed, this project will reduce structure and street flooding during the 100-year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$200,000	$0	$200,000
District	$0	$200,000	$0	$200,000
Total	$0	$400,000	$0	$400,000

Project No. N972	Conservation-Tampa Water Use Information Portal Implementation	
City of Tampa		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	The project will make available a web-based customer portal to all utility customers and will promote and encourage water conservation. The portal will allow customers to access relevant information including; leak and high water use alerts via text, email and voice, application specific water conservation recommendations, long-term water use trend analysis, geospatial water consumption analytics and as a vehicle for utility outreach.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $300,000; Tampa Share: $150,000; District Share: $150,000.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines
Project Benefit:	High	The project benefit is the conservation of approximately 132,550 gallons per day in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
Cost Effectiveness:	High	Project cost-effectiveness is below $3.00 per thousand gallons.
Past Performance:	High	Based on an assessment of the schedule and budget for 9 ongoing projects.
Complementary Efforts:	Medium	The Cooperator's per capita is between 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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as High Priority.	This project is recommended for funding as it conserves water within the NTBWUCA and is cost-effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$150,000	$0	$150,000
City of Tampa	$0	$150,000	$0	$150,000
Total	$0	$300,000	$0	$300,000

Project No. N975	SW IMP - Flood Protection - Town "N" Country/Hillsborough Avenue Regional Drainage Improvements	
Hillsborough County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description: The project consist of 30% design and third-party review for the construction of regional stormwater improvements to serve an area of approximately 2110 acres of urban development in the Town and Country area in the Lower Sweetwater Creek Watershed in Hillsborough County. The project is a major evacuation route and will include a 20 acre regional pond for both runoff attenuation and water quality, drainage system improvements and diversion structures, and a bypass conveyance system consisting of conduit and open channel. District funding is for 30% design and third-party review as this project has a conceptual construction estimate greater than $5 million dollars. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.

Measurable Benefit: The contractual Measurable Benefit will be completion of 30% design for the proposed project to construct drainage conveyance system BMP's to reduce flooding in approximately 2110 acres of highly urbanized basin.

Costs: Total project cost $600,000 (30% design, third-party review)
Hillsborough County share $300,000
District $300,000
The conceptual estimate to complete design, permitting and construction is $45,750,000. It is anticipated that Hillsborough County will request funding to complete land acquisition, design, permitting and construction 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 information.
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 17 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: High

Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.
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 County is requesting funds to complete the 30% design and third-party review. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will provide flood protection for structures and streets during the 25 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$300,000	$0	$300,000
Hillsborough County	$0	$300,000	$0	$300,000
Total	$0	$600,000	$0	$600,000

Project No. N988	Conservation – UF/IFAS Soil Moisture Sensor Project	
Hillsborough County		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	This project will make available approximately 100 soil moisture sensor and 45 rain sensor installs to single family, multi-family, and commercial customers within southern Hillsborough County. 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 soil moistrue sensors vs. rain sensors will be conducted. Also included are the educational materials, program promotions and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project cost: $50,000; Hillsborough County share: $25,000; District share: $25,000.

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 conservation of approximately 13,380 gallons per day in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	Medium	Based on the assessment of the schedule and budget for the 17 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as High Priority.	Project will conserve potable water supply in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$25,000	$0	$25,000
Hillsborough County	$0	$25,000	$0	$25,000
Total	$0	$50,000	$0	$50,000

Project No. N990	SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 3 and 4
Pasco County	FY2019

Risk Level:	Type 3	Multi-Year Contract: No

Description

Description:	This project consists of 30% design and third-party review for the Units 3 and 4 of the Zephyr Creek Drainage Improvement project. This multi-phased project consists of 6 units within the Lake Zephyr watershed. Units 1 and 2 are currently being cooperatively funded through project N836. Unit 3 improvements will consist of two (2) cross-culvert improvements at C Avenue and Lagoon Court along with channel improvements near the old S.R. 54 crossing. Unit 4 is composed of three (3) cross-culvert improvements at 8th Avenue, Wooden Bridge, and Plant Street. In addition, channel improvements along the entire creek system within this area may be performed. District funding is for 30% design and third-party review as this project has a conceptual project estimate over $5 million dollars. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting, and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of this proposed project to construct cross-culvert and channel improvements in the Zephyr Creek Units 3 and 4 project areas.
Costs:	Total project cost $600,000 (30% design and third-party review) Pasco County share $300,000 District $300,000 The total conceptual estimate for design, permitting, and construction is $5,100,000. It is anticipated that the County will request funding to complete design, permitting, and construction 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 Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 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 County is requesting funds to complete the 30% design and third-party review only. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project . If constructed, this project will reduce structure and street flooding during the 100 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$300,000	$0	$300,000
District	$0	$300,000	$0	$300,000
Total	$0	$600,000	$0	$600,000

Project No. N995	WMP - Plant City Watershed Management Plan	
Plant City		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, 1 of 3

Description

Description:	Watershed Management Plan (WMP) and storm water inventory, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the Plant City Watershed using digital topographic information, ERP data, and land use updates. Two limited detailed studies were completed based on information more than 10 years ago (Eastside Canal Improvements and the Westside Canal Improvements). These limited detailed studies included portions of the 28 square miles watershed for the purposes of flood relief implementation projects. Information from these studies and surrounding Hillsborough County models will be utilized and incorporated into the WMP. FY2019 funding will be used to start the watershed evaluation, documentation collection, survey and inventory of existing systems.
Measurable Benefit:	The Measurable Benefit will be the completion of a WMP and storm water inventory, floodplain delineation and Best Management Practices alternative analysis for the Plant City Watershed in the City of Plant City using digital topographical information, ERP data and land use updates.
Costs:	Total project cost $1,300,000 City of Plant City share $650,000 District $650,000 with $250,000 requested in FY2019 and $400,000 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 WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or over 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid range of historic costs ($30,001 - $50,000/sq. mi.) for WMPs completed in urban watersheds.
Past Performance:	High	Based on the Cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 8 and is in the 6 to 9 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 a combination of limited detailed study information and no detailed study information. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, and enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$250,000	$400,000	$650,000
Plant City	$0	$250,000	$400,000	$650,000
Total	$0	$500,000	$800,000	$1,300,000

Project No. N998	AWS- Tampa Bay Water Regional Facility Site Pump Station Expansion	
Tampa Bay Water		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	This project will increase Tampa Bay Water's pumping capacity of alternative water supply by 10-12 MGD average and 20-22 MGD maximum at the Regional Facility Site High Service Pump Station. The project will include design, permitting, and construction activities associated with the removal of an existing unused 10 MGD (600 HP) jockey pump and installation of a new 24 MGD (2,000 HP) split case pump, structural modifications to support the pump, Variable Frequency Drive, motor and ancillary electrical and mechanical equipment. The first year of funding will be for design and permitting.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of a high service pump that will increase Tampa Bay Water's pumping capacity of alternative water supply from 110 MGD to 132 MGD at the Regional Facility Site High Service Pump Station. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost $2,400,000 (Design, permitting, and construction); Cooperator share $1,200,000; District $1,200,000 with $108,000 requested in FY2019 and $1,092,000 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 the increase in Tampa Bay Water's pumping capacity of alternative water supply from 110 MGD to 132 MGD at the Regional Facility Site High Service Pump Station, which is projected to increase the annual average capacity by 10-12 MGD over 20 years. The increased pumping capacity is part of a larger, overall program to increase the resiliency of the Tampa Bay region's water supply system and maximize the use of permitted surface water capacity when it is available. This additional pumping capacity will also prepare the system for the next increment of supply that will be developed as part of the Long-Term Master Water Supply Plan.
Cost Effectiveness:	High	The cost of this project appears to be consistent with similar projects that are considered highly cost-effective. In comparison, a 2017 Basis of Design Report (BODR) for the Peace River Manasota Regional Water Supply Authority (PRMRWSA) tabulated a cost of $2.6M for a 20 MGD maximum increase in capacity.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	The applicant provides wholesale alternative water supplies to the counties of Hillsborough, Pasco, and Pinellas, as well as the cities of Tampa, St. Petersburg, and New Port Richey.
Project Readiness:	High	Project is ready to begin before Dec 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Regional Water Supply Planning**: Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs. **Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability.

Overall Ranking and Recommendation

Fund as High Priority.	The project increases alternative water supply pumping capacity in the Tampa Bay Region and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$108,000	$1,092,000	$1,200,000
Tampa Bay Water	$0	$108,000	$1,092,000	$1,200,000
Total	$0	$216,000	$2,184,000	$2,400,000

Project No. Q001	Study - Hillsborough County SCADA Long-Term Planning	
Hillsborough County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	District funding is being requested to perform a feasibility study to provide recommendations for a Watershed Model and SCADA Stream/Lake Warning System. The warning system would provide the County and District Operations staff with accurate real-time data prior to and during a storm event. The data will be used to determine the available capacity of the watershed in order to help make critical decisions during an event. The proposed project will collect data, recommend locations of gages/SCADA installation, develop an interface and warning system, and provide recommendations for implementing/maintaining the SCADA system. FY2019 funding will be used to complete a feasibility study and provide recommendations for implementing SCADA Stream/Lake Warning System.
Measurable Benefit:	The contractual Measurable Benefit will be completing the feasibility study to provide recommendations for implementing a SCADA Stream/Lake Warning System based off of existing watershed modeling.
Costs:	Total project cost $200,000 (Study) County share $100,000 District $100,000 requested for FY2019.

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 information.
Project Benefit:	High	The resource benefit of this project will provide a study with recommendations on how to implement a warning system for lakes and streams that will enhance emergency operations to potentially reduce existing flooding within Hillsborough County during a storm event.
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 17 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:	High	**Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. **Strategic Initiative - Emergency Flood Response**: Operate District flood control and water conservation structures, providing effective and efficient assistance to state and local governments and the public to minimize flood damage during and after major storm events.

Overall Ranking and Recommendation

Fund as High Priority.	The feasibility study will provide recommendations for a Watershed Model and SCADA Stream/Lake Warning System. If a future project is implemented based on recommendations from this study, it will provide the County and District Operations staff with accurate real-time data prior to and during a storm event. The data will be used to determine the available capacity of the system in order to help make critical decisions during an event. If constructed, this project will provide a warning system for lakes and streams that optimize conveyance and storage during a storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$100,000	$0	$100,000
Hillsborough County	$0	$100,000	$0	$100,000
Total	$0	$200,000	$0	$200,000

Project No. Q012	SW IMP - Flood Protection - Buck/ Lanier	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Land acquisition, design, permitting, and construction of additional 8.5 acre stormwater storage pond and conveyance improvements in the Buck and Lanier Road area within the New River watershed in Pasco County. Offsite discharge from north of S.R. 54 contribute to the routine flooding experienced in this closed basin. The additional storage will help to protect homes during the 100 year, 24-hour storm event. FY2019 funding will be used to complete land acquisition, design and permitting.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a stormwater pond and conveyance improvements in the Buck and Lanier Road neighborhood in accordance with the permitted plans.
Costs:	Total project costs $620,000 (land acquisition, design, permitting, and construction) Pasco County share $310,000 (Includes $100,000 of land acquisition costs as funding match) District $310,000 with $60,000 requested in FY2019 and $250,000 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 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 - 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 will provide flood protection for the 100 year, 24-hour event in an area that experiences structure and street flooding, and is cost effective.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$60,000	$250,000	$310,000
District	$0	$60,000	$250,000	$310,000
Total	$0	$120,000	$500,000	$620,000

Project No. Q013	WMP - Hammock Creek WMP	
Pasco County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) for the Hammock Creek watershed in Pasco County, through and including Watershed Evaluation, Floodplain Analysis, Peer Review, Level of Service (LOS) Determination, and Best Management Practices (BMP) Alternative Analysis. FY2019 funding will be used to begin the Watershed Evaluation.
Measurable Benefit:	The Measurable Benefit will be the completion of a WMP that identifies floodplain, establishes LOS, and evaluates flooding concerns in the watershed.
Costs:	Total project cost $1,800,000 Pasco County share $900,000 District $900,000 with $300,000 requested in FY2019 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 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 stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the medium range of historic costs ($30,001 - $50,000/sq mi) for urban WMPs.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 ready to being 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 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.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$300,000	$600,000	$900,000
District	$0	$300,000	$600,000	$900,000
Total	$0	$600,000	$1,200,000	$1,800,000

Project No. Q014	Conservation-Pasco County - Toilet Rebate - Phase 12	
Pasco 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 500 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a Final Report.
Costs:	Total project costs: $100,000; Pasco County: $50,000; District: $50,000.

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 13,956 gpd of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 75 ad 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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

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

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$50,000	$0	$50,000
Pasco County	$0	$50,000	$0	$50,000
Total	$0	$100,000	$0	$100,000

Project No. Q027	SW IMP - Flood Protection - 56th St and Hanna Avenue Regional Drainage Improvements	
Hillsborough County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, 1 of 3

Description

Description:	The project consists of design, permitting and construction for drainage improvements to the existing stormwater system located in the 56th Street and Hanna Avenue area in the Hillsborough River watershed in Hillsborough County. The proposed system will improve the drainage system of 56th Street which serves as a major evacuation route by providing a second outfall to the Hillsborough River, drainage improvements including a diversion structure along 56th Street and construction of wet detention ponds that will provide flood attenuation and water quality for approximately 262 acres. FY2019 funding will be used for completion of design and permitting.
Measurable Benefit:	The contractual Measurable Benefit will be completion of design, permitting and construction of the proposed project to construct drainage conveyance system BMPs along 56th Street and Hanna Avenue to reduce flooding in approximately 262 acres of highly urbanized basin, in accordance with the permitted plans.
Costs:	Total project cost $3,350,000 (design, permitting, construction) Hillsborough County share $1,675,000 District $1,675,000 with $200,000 requested in FY2019 and $1,475,000 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 the cooperator to obtain remaining information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 17 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:	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 High Priority.	The project includes the completion of design, permitting and construction of drainage conveyance system BMPs along 56th Street and Hanna Avenue to reduce flooding in approximately 262 acres during the 100 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$200,000	$1,475,000	$1,675,000
Hillsborough County	$0	$200,000	$1,475,000	$1,675,000
Total	$0	$400,000	$2,950,000	$3,350,000

Project No. Q028	Reclaimed Water-Tampa Augmentation Project Feasibility Phase II	
City of Tampa		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	The City is in the process of completing Phase 1 of this feasibility study under project N751 for a total cost of $3,000,000 with the District funding 50 percent of the cost. This phase of the project (Phase 2) will focus on continuing additional needed feasibility steps identified through the Phase 1 project. The overall project goal is to implement a recharge/recovery system to treat, store and recover Advanced Wastewater Treatment (AWT) quality reclaimed water in the aquifer for subsequent delivery to the Hillsborough River Reservoir or directly to the water intake system of the David L. Tippin Water Treatment Facility (DLTWTF). As a part of Phase 2, the City will continue to operate the existing recharge/recovery pilot at the City's Aquifer Storage and Recovery (ASR) B site and refine the groundwater model based on additional data collected. The City will monitor water quality in its wastewater collection system, enhance its source control program and monitoring at the Howard F. Curren Advanced Wastewater Treatment Plant (HFCAWTP). A new recharge well pilot at the City's Rome Avenue ASR site along with other additional desktop evaluations are included to be performed during Phase 2.
Measurable Benefit:	The contractual Measurable Benefit is completion of feasibility analysis from the Rome and Woodland Terrace test sites.
Costs:	Total Cost: $2,291,000 (feasibility tasks) City of Tampa share: $1,145,500 District: $1,145,500

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 proposed program is intended to establish the basis to recover and reuse approximately 50 mgd of reclaimed water for recharge into the aquifer with recovered water going to the City's reservoir with the remaining available for Lower Hillsborough River MFL or use by the region.
Cost Effectiveness:	High	Study costs are higher than similar feasibility investigations focused on Aquifer Recharge/Indirect Potable Reuse (IPR) projects such as the South Hillsborough Area Recharge Project (SHARP – N287). However, TAP has the potential for utilizing greater quantities of reclaimed water for alternative supply.
Past Performance:	High	Based on the assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	High	The City has numerous codes related to water conservation in plumbing, water use restrictions, increase in water restriction violation fines, landscaping, rain sensor requirement and schedule of water rates.
Project Readiness:	High	The 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. **Strategic Initiative - Minimum Flows and Levels Establishment and Recovery**: To prevent significant harm and reestablish the natural ecosystem, determine MFL's and, where necessary, develop and implement recovery plans. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority.	The project continues the investigation into an innovative indirect potable use for reclaimed water that could benefit water supply and natural systems.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$1,145,500	$0	$1,145,500
City of Tampa	$0	$1,145,500	$0	$1,145,500
Total	$0	$2,291,000	$0	$2,291,000

Project No. Q034	WMP - Brooker Creek Watershed Management Plan	
Pinellas County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) for the Brooker Creek Watershed in Pinellas County, through and including Watershed Evaluation, Floodplain Analysis, Level of Service (LOS) Determination, Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) Alternatives Analysis. FY2019 funding will be used to start Watershed Evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that identifies floodplains, establishes LOS, performs SWRA, and evaluates BMPs to address flooding and water quality concerns in the watershed.
Costs:	Total project cost $900,000 Pinellas County share $450,000 District $450,000 with $75,000 requested in FY2019 and $375,000 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 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 stormwater systems.
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds. However, additional effort is required to incorporate the five adjacent watershed studies to this WMP.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 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:	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 High Priority.	This project identifies flood risk in an area with existing flood analysis more than 10 years old. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk and improve water quality, and to enhance the planning of future development in the project area. The higher cost for this urban watershed are justified due to the flooding in the watershed over the past few years and priority to have reasonable floodplain results incorporating modeling of the five adjacent watershed studies located in Pinellas, Pasco, and Hillsborough Counties.

Funding

Funding Source	Prior	FY2019	Future	Total
Pinellas County	$0	$75,000	$375,000	$450,000
District	$0	$75,000	$375,000	$450,000
Total	$0	$150,000	$750,000	$900,000

Project No. Q036	SW IMP - Flood Protection - Bartlett Park and 7th Street South Stormwater Improvements	FY2019
City of St. Petersburg		

Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Design, permitting, and construction of stormwater improvements at Bartlett Park and along 7th Street South from 18th Avenue South to 22nd Avenue South. The project's primary objective is to provide drainage improvements that will alleviate flooding within the neighborhood west of Bartlett Park and within Bartlett Park. The existing stormwater system is undersized and is negatively affected by regional tailwater conditions, resulting in frequent flooding within the neighborhood. The proposed drainage improvements includes low-impact development (LID) elements, a nutrient separating baffle box, and increased conveyance capacity via enlarged piping and natural swales. Water quality improvements provide an additional benefit to the project. FY2019 funding will be used for design.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of stormwater drainage improvements at Bartlett Park and along 7th Street South from 18th Avenue South to 22nd Avenue South that will reduce structure and street flooding in the 48.5 acre surrounding area, in accordance with the permitted plans.
Costs:	Total project cost $2,350,000 (Design, permitting, and construction) City of St. Petersburg share $1,175,000 District $1,175,000 with $122,500 requested in FY2019 and $1,052,500 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 cooperator to obtain remaining required information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and 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 greater 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 6 ongoing project.
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:	High	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality. **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 will reduce the existing structure and street flooding problem up to the 10 year, 24-hour storm event at Bartlett Park and along 7th Street South from 18th Avenue South to 22nd Avenue South.

Funding

Funding Source	Prior	FY2019	Future	Total
City of St. Petersburg	$0	$122,500	$1,052,500	$1,175,000
District	$0	$122,500	$1,052,500	$1,175,000
Total	$0	$245,000	$2,105,000	$2,350,000

Project No. Q041	Conservation- New Port Richey Toilet Rebate - Phase 5	
New Port Richey		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 80 high flow toilets. Also included are educational materials, program promotion,and surveys necessary to ensure the success of the program.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a Final Report.
Costs:	Total project costs: $14,940; City of New Port Richey: $7,470; District: $7,470.

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 1,874 gpd of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
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 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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

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

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$7,470	$0	$7,470
New Port Richey	$0	$7,470	$0	$7,470
Total	$0	$14,940	$0	$14,940

Project No. Q042	SW IMP - Flood Protection - PHSC Berm/Boggy Creek	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	This project consists of 30% design and third-party review for the Boggy Creek conveyance improvements. The Boggy Creek system receives stormwater from Crane's Roost, Lake Worrell Acres, Crescent Forest and Bass Lake Estates neighborhoods which have experienced major flooding in recent and historical storm events. The project will add a control structure to the berm located on the Pasco Hernando State College property and expanding the capacity for the existing drainage system as well as creating new conveyance paths near the Hidden Lake Airport and south of Ridge Road. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting, and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of this proposed project to construct a control structure in the Pasco Hernando State College berm and conveyance improvements to the Boggy Creek drainage system.
Costs:	Total project cost $250,000 (30% design and third-party review) Pasco County share $125,000 District $125,000 The total conceptual estimate for design, permitting, and construction is $3,250,000. It is anticipated that the County will request funding to complete design, permitting, and construction 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 Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and 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 greater than or equal to 1. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 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 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 County is requesting funds to complete 30% design and third-party review only. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project . If constructed, this project will reduce structure and street flooding during the 100 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$125,000	$0	$125,000
District	$0	$125,000	$0	$125,000
Total	$0	$250,000	$0	$250,000

Project No. W024	FY2019 Tampa Bay Environmental Restoration Fund	
TBEP		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	The Tampa Bay Environmental Restoration Fund (TBERF) was established to fund restoration, research and education initiatives in Tampa Bay. The Tampa Bay Estuary Program (TBEP) manages the fund and secures local funding to leverage with funds obtained nationally by the Restore America's Estuaries (RAE) through environmental fines and philanthropic gifts.
Measurable Benefit:	The project will fund numerous water quality improvement and habitat restoration projects throughout the Tampa Bay watershed.
Costs:	Total project cost: $700,000 TBEP share $350,000 District $350,000 requested in FY19. (District share includes a 10% administrative fee for each grant managed by the TBEP)

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	Water quality improvement and habitat restoration in Tampa Bay, a SWIM priority water body.
Cost Effectiveness:	High	District funds will be leveraged with other local, federal, private, and penalty funds.
Past Performance:	High	Based on an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	TBEP developed a model fertilizer ordinance that was used by the Cities of St. Petersburg and Tampa, Manatee County and Pinellas County. TBEP also implemented education campaigns for the fertilizer ordinances and for dog waste management.
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. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority.	Due to the leveraging of local, federal, private, and penalty funds, this project is a very cost effective means to implement water quality and habitat restoration projects for Tampa Bay, a SWIM priority water body. The District has provided funding for the TBERF since FY2013. For FY2013 - FY2017 the TBERF funded 43 projects at a total grant amount of $3.7 million. Eight District projects were funded at a grant amount of $1.2 million.

Funding

Funding Source	Prior	FY2019	Future	Total
TBEP	$0	$350,000	$0	$350,000
District	$0	$350,000	$0	$350,000
Total	$0	$700,000	$0	$700,000

Project No. W214	Restoration - Roosevelt Creek Channel 5 Improvements	
Pinellas County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Modification of a salinity structure, sediment removal and exotic species control on Roosevelt Creek Channel 5 to restore natural systems associated with Tampa Bay, a SWIM priority waterbody.
Measurable Benefit:	The contractual Measurable Benefit will be the modification of a salinity barrier and the removal of sediments and invasive species to restore 13 acres of natural systems associated with Tampa Bay, a SWIM priority waterbody
Costs:	Total project cost: $715,142 (Construction) Pinellas County: $357,571 District: $357,571 requested in FY2019.

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 project is restoration of natural systems associated with Tampa Bay, a SWIM priority water body.
Cost Effectiveness:	Medium	The estimated cost/acre restored is slightly higher than the historical average of $53,326/acre restored.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	High	The County has an environmentally sensitive land purchase program, exotic removal/treatment program, an Adopt a Pond Program, maintains a nature park and open space. and other complementary efforts that preserve or restore natural systems.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration**: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority.	The project costs are slightly higher than the historic average however the project will continue efforts by the County to enhance natural systems in Tampa Bay, a SWIM priority waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$357,571	$0	$357,571
Pinellas County	$0	$357,571	$0	$357,571
Total	$0	$715,142	$0	$715,142

Project No. W296	SW IMP - Water Quality - East Treasure Island Causeway BMPs	
City of Treasure Island		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of stormwater improvement BMPs for currently untreated areas discharging into Boca Ciega Bay and ultimately Tampa Bay, a SWIM priority waterbody. Approved funds will be used for construction of stormwater treatment above and beyond permit requirements.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMPs to treat stormwater runoff from 8 acres of urbanized watershed, in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project Cost: $550,500 (Construction) City of Treasure Island: $275,250 District: $275,250 requested in FY19

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 Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay by an estimated 1,377 lbs/year of TSS.
Cost Effectiveness:	Medium	The estimated cost/lb of TSS removed is at or below the historical average cost of $20/lb and the cost per acre treated is above 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:	Medium	The project is ready to begin on or before 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

Fund as High Priority.	The project will reduce stormwater impacts to Boca Ciega Bay and Tampa Bay, a SWIM priority waterbody through a reduction in sediment loading.

Funding

Funding Source	Prior	FY2019	Future	Total
City of Treasure Island	$0	$275,250	$0	$275,250
District	$0	$275,250	$0	$275,250
Total	$0	$550,500	$0	$550,500

Project No. N970	WMP - South Creek Watershed Management Plan	
Pinellas County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) for the South Creek Watershed in Pinellas County, through and including Watershed Evaluation, Floodplain Analysis, Level of Service (LOS) Determination, Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) Alternatives Analysis. FY2019 funding will be used to start Watershed Evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that identifies floodplains, establishes LOS, performs SWRA, and evaluates BMPs to address flooding and water quality concerns in the watershed.
Costs:	Total project cost $750,000 Pinellas County share $375,000 District $375,000 with $75,000 requested in FY2019 and $300,000 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 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 stormwater systems.
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds. This is a heavily urbanized watershed and will require a high level of effort during the watershed evaluation and floodplain analysis phases of the project.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 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:	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 Medium Priority.	This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk and improve water quality, and to enhance the planning of future development in the project area. The higher cost are associated with the watershed evaluation and floodplain analysis effort in this highly urbanized watershed.

Funding

Funding Source	Prior	FY2019	Future	Total
Pinellas County	$0	$75,000	$300,000	$375,000
District	$0	$75,000	$300,000	$375,000
Total	$0	$150,000	$600,000	$750,000

Project No. N976	Study-Belleair Hydrogeologic Investigation for a Brackish Groundwater Water Supply	
Town of Belleair		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, 1 of 2

Description

Description:	This project is for a hydrogeologic investigation to determine the feasibility of developing a brackish groundwater wellfield and deep injection well in the Upper Floridan aquifer. The Project is the first phase of developing a brackish groundwater reverse osmosis (RO) desalination system. The Project will have two objectives. The first is to identify a zone in the Upper Floridan aquifer that will produce significant quantities of brackish groundwater and conduct tests to determine its productivity, water quality, and long-term stability. The second objective is to identify and test a zone below the production zone that will be suitable for injection of brine concentrate from the RO treatment process.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a report that produces hydrogeologic information on the Upper Floridan aquifer for the purpose of potential additional alternative water supply.
Costs:	Total project cost: $1,019,975; Town of Belleair share: $509,988; District: $509,987 with $339,992 in FY2019 and $169,995 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 enhancement of groundwater resource data to improve groundwater models and management of the aquifer in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).Substantial resource benefit expected.
Cost Effectiveness:	High	The cost effectiveness appears reasonable and consistent with the District's average costs for similar projects.
Past Performance:	Medium	Based of an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 101 and 150 gpcd which is either a low or medium ranking.
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. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as Medium Priority.	Project is a groundwater study to evaluate brackish water as a potential alternative water source to meet the strategic initiative of developing AWS to sustain existing freshwater sources in the NTBWUCA.

Funding

Funding Source	Prior	FY2019	Future	Total
Town of Belleair	$0	$339,993	$169,995	$509,988
District	$0	$339,992	$169,995	$509,987
Total	$0	$679,985	$339,990	$1,019,975

Project No. N993	WMP - Cypress Creek Watershed Management Plan Update	
Pasco County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) update for the Cypress Creek watershed in Pasco County, through and including Watershed Evaluation, Floodplain Analysis, Level of Service (LOS) Determination, and Best Management Practice (BMP) Alternative Analysis. FY2019 funding will be used to begin the Watershed Evaluation.
Measurable Benefit:	The Measurable Benefit will be the completion of an updated WMP that identifies floodplains, establishes LOS, and evaluates BMPs to address flooding concerns in the watershed.
Costs:	Total project cost $1,800,000 Pasco County share $900,000 District $900,000 with $200,000 requested in FY2019, and $700,000 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Medium	Identification of flooding problems that exist in the watershed and solutions. 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 per square mile is in the low range of historic costs (less than $22,000/sq mi) for WMP updates completed in urban watersheds.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 ongoing 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:	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 Medium Priority.	This project updates flood risk in an area with existing flood analysis that is 5 to 10 years old. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, and enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$200,000	$700,000	$900,000
District	$0	$200,000	$700,000	$900,000
Total	$0	$400,000	$1,400,000	$1,800,000

Project No. N997	WMP - Kenneth City Watershed Management Plan	
Kenneth City		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Complete a Watershed Management Plan for the Town of Kenneth City in the Joe's Creek Watershed in Pinellas County using digital topographic information, ERP Data, and land use updates. The project will also consist of Best Management Practices (BMP) alternative analysis, Level of Service (LOS) improvement recommendations, Surface Water Resource Assessment (SWRA), stormwater inventory and condition assessment and stormwater utility master plan The WMP will provide the necessary information for the town to pursue a dedicated stormwater utility and associated fee to improve the Town's ability to fund stormwater capital projects. FY2019 funding will be used to complete the WMP and stormwater inventory.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a Watershed Management Plan including the LOS, SWRA, and BMP alternative analysis.
Costs:	Total project cost $125,000 Town of Kenneth City share $62,500 District $62,500

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:	Medium	The WMP will analyze flooding problems that exist 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:	Medium	Project cost per square mile is in the high range of historic costs (more than $31,001/sq mi) for WMP updates completed in urban watersheds. However, the project includes additional tasks beyond the normal scope of work for an update. Those additional tasks, in addition to the large population density, justify the cost effectiveness ranking.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 8 and is in the 6 to 9 range.
Project Readiness:	High	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.

Overall Ranking and Recommendation

Fund as Medium Priority.	This 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, develop a stormwater inventory and condition assessment and stormwater utility master plan, and enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$62,500	$0	$62,500
Kenneth City	$0	$62,500	$0	$62,500
Total	$0	$125,000	$0	$125,000

Project No. Q011	WMP - Pithlachascotee/Bear Creek Watershed Management Plan Update	
Pasco County		FY2019
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 of 3

Description	
Description:	Complete a Watershed Management Plan (WMP) update for the Pithlachascotee River/Bear Creek watershed in Pasco County, through and including Watershed Evaluation, Floodplain Analysis, Level of Service (LOS) Determination, and Best Management Practise (BMP) Alternative Analysis. FY2019 funding will be used to begin the Watershed Evaluation.
Measurable Benefit:	The Measurable Benefit will be the completion of an updated WMP that identifies floodplains, establishes LOS, and evaluates BMPs to address flooding concerns in the watershed.
Costs:	Total project cost $1,600,000 Pasco County share $800,000 District $800,000 with $200,000 requested in FY2019 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:	Medium	Identification of flooding problems that exist in the watershed and solutions. 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 per square mile is in the low range of historic costs (less than $22,000/sq mi) for WMP updates completed in urban watersheds.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 ongoing 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:	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 Medium Priority.	This project updates flood risk in an area with existing flood analysis that is 5 to 10 years old. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, and enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$200,000	$600,000	$800,000
District	$0	$200,000	$600,000	$800,000
Total	$0	$400,000	$1,200,000	$1,600,000

Project No. Q026	SW IMP - Flood Protection - N Falkenburg Rd. Drainage Improvements	
Hillsborough County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	This project is for construction to improve the existing drainage system by upsizing the culverts at N. Falkenburg Road, Sligh Avenue and Wilkins Road located in the Hillsborough River watershed in Hillsborough County. The proposed drainage improvements along the system ultimately outfall to the Tampa Bypass Canal. The project was recommended as an alternative in the Hillsborough River and Tampa Bypass Canal Watershed Master Plan Update completed in 2011. The proposed system will provide flooding relief for the area up to the 25 year, 24-hour storm event for approximately 392 acres. FY2019 funding will be used for construction.
Measurable Benefit:	The contractual Measurable Benefit will be construction of drainage conveyance system BMP's to reduce flooding in approximately 392 acres of highly urbanized basin, in accordance with the permitted plans.
Costs:	Total project cost $1,000,000 (construction) Hillsborough County share $500,000 District $500,000 requested in FY2019.

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 information.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event for structures. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
Cost Effectiveness:	Low	Benefit/cost ratio is less than 0.7. Benefits include avoided damages to structures and roads.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 17 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 Medium Priority.	The project consists of construction of drainage conveyance system BMP's to reduce flooding in approximately 392 acres of highly urbanized basin that will reduce flooding for structures and streets for the 25 year, 24-hour storm event.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$500,000	$0	$500,000
Hillsborough County	$0	$500,000	$0	$500,000
Total	$0	$1,000,000	$0	$1,000,000

Project No. Q045	SW IMP - Water Quality - Beach Street Stormwater System Improvements	
New Port Richey		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Design, permitting and construction of stormwater improvement BMPs to treat runoff and improve water quality discharging to the Pithlachascotee River in New Port Richey.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat stormwater runoff from a 13 acre highly urbanized watershed. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $708,800 (Design, permitting and construction) City of New Port Richey: $354,400 District: $354,400

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 Resource Benefit of this water quality project is the reduction of pollutant loads to Pithlachascotee River by an estimated 5,200 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/acre treated is above the historical average cost of $8,050/acre treated for Urban/Suburban water quality projects.
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.
Project Readiness:	High	Project is expected to begin on or before December 1, 2018.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality.

Overall Ranking and Recommendation

Fund as Medium Priority.	The project will improve water quality discharging to the Pithlachascotee River, a non-priority waterbody.

Funding

Funding Source	Prior	FY2019	Future	Total
New Port Richey	$0	$354,400	$0	$354,400
District	$0	$354,400	$0	$354,400
Total	$0	$708,800	$0	$708,800

Project No. N492	Lower Hillsborough River Dam Control Gate Facilities	
City of Tampa		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Design, permitting, and construction of permanent control gate facilities at the City of Tampa's dam to provide water to the Lower Hillsborough River to meet the MFL Recovery Strategy. The project will assist in maintaining sufficient lower river flows as required for compliance with the Lower Hillsborough River Recovery Strategy (40D-80.073 FAC). The project request is a cost increase above the amount approved by the Governing Board in July 2017.
Measurable Benefit:	The contractual Measurable Benefit is the construction of a control gate on the Hillsborough River dam.
Costs:	Total project cost: $2,299,683 (design, permitting and construction) ($661,991 cost increase from what the Governing Board approved at the July 2017 Board meeting) City of Tampa: $1,268,784 District: $1,030,899, with $797,732 budgeted in prior years and $233,167 (District share of cost increase) requested in FY2019.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The project will enable delivery of up to 24 cfs of water from the reservoir to the Lower Hillsborough River to assist in meeting the MFL.
Cost Effectiveness:	High	Costs appear reasonable and consistent with costs associated with similar projects and are based on bids.
Past Performance:	High	Based on an assessment of the schedule and budget for 9 ongoing projects.
Complementary Efforts:	Medium	Applicant has an exotic removal/treatment program, maintains nature parks or open space within its parks system, actively operates facilities to meet MFL's, and has other complementary efforts that preserve or restore natural systems.
Project Readiness:	High	Project is ongoing and is on schedule. Design, permitting and bidding work is complete. City has awarded contract for construction and has issued a notice to proceed with construction.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Minimum Flows and Levels Establishment and Recovery**: To prevent significant harm and reestablish the natural ecosystem, determine MFL's and, where necessary, develop and implement recovery plans. **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	The project is ranked low due to a 40% increase in total project cost. The City is requesting the District contribute $233,167, a 29.2% increase, in additional funds. The project is a major component for compliance with the Lower Hillsborough River Recovery Strategy (40D-80.073 FAC).

Funding

Funding Source	Prior	FY2019	Future	Total
District	$797,732	$233,167	$0	$1,030,899
City of Tampa	$839,960	$428,824	$0	$1,268,784
Total	$1,637,692	$661,991	$0	$2,299,683

Project No. Q021 Pasco County	Reclaimed Water - Pasco Co. Cypress Preserve Phase 2 Grand Live Oak Reclaimed Water Transmission	FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of approximately 4,500 feet of reclaimed water transmission main and other necessary appurtenances to supply approximately 557 single family homes, 284 multi-family homes, and approximately 15 acres of common area in the Cypress Preserve Community (from Hawks Landing Drive to Grand Live Oak Blvd).
Measurable Benefit:	There is no new Measurable Benefit provided by the proposed FY2019 project.
Costs:	Total project cost: $413,000 (Construction) Pasco share: $206,500 District share; $206,500

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Low	A project previously funded by the District (N837) is currently providing the same reclaimed water benefit to this community. No new project benefit is provided by the proposed FY2019 project.
Cost Effectiveness:	Low	The cost of this project does not provide any additional benefit to this community, as the benefit was attributed under a previous project (N837).
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 12 ongoing projects.
Complementary Efforts:	High	Pasco County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
Project Readiness:	High	Project is ready to begin on or before December 1, 2018.

Strategic Goals

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

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	This project provides no additional measurable benefit over what was previously funded for this development.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$206,500	$0	$206,500
Pasco County	$0	$206,500	$0	$206,500
Total	$0	$413,000	$0	$413,000

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 Office Chief, 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4703; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice).