SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Tampa Bay Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings

Southwest Florida
Water Management District

Southwest Florida Water Management District

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

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MEETING NOTICE

TAMPA BAY REGION

FISCAL YEAR 2019 COOPERATIVE FUNDING INITIATIVE PUBLIC MEETING

APRIL 12, 2018 • 10:00 A.M.

TAMPA OFFICE

7601 HIGHWAY 301 NORTH • TAMPA, FLORIDA
(813) 985-7481 • 1-800-836-0797

All meetings are open to the public.

AGENDA

1. Call to Order and Pledge of Allegiance
2. Introductions
3. Approval of February 15, 2018 Meeting Minutes
4. CFI Final Staff Rankings and Recommendations
   - *Project Presentations*
5. Receive Additional Public Comment
6. Adjournment

If you have any questions concerning this meeting,
please call Joel Brown at 1-800-836-0797
or 813-985-7481, extension 2015.

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Southwest Florida Water Management District
Tampa Bay Region
FY2019 Proposed Project Funding
April 12, 2018

Project	Cooperator	Project Name	Rank	District Prior Funding	FY2019 Proposed District Funding	District Future Funding
N665	Clearwater	DAR - Clearwater Groundwater Replenishment Project Phase 3	1A	11,685,600	500,000	4,172,400
N791	Pasco Co	Reclaimed Water - Pasco County Starkey Ranch Reclaimed Water Transmission Project - Project C	1A	347,927	108,873	0
N803	Pinellas Co	WMP - Anclote River Watershed Management Plan	1A	300,000	100,000	0
N836	Pasco Co	SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 1 & 2	1A	150,000	925,000	0
N837	Pasco Co	Reclaimed Water - Pasco Co. Cypress Preserve Recl. Water Transmission Project Year 2 of 2	1A	17,500	140,000	0
N859	Pasco Co	SW IMP - Flood Protection - Holiday Hill Subdivision Drainage Improvement	1A	100,000	450,000	0
N867	Tarpon Springs	SW IMP - Flood Protection - Palm Avenue Flooding Abatement	1A	49,387	200,592	0
N870	Pasco Co	SW IMP - Flood Protection - Colonial Manor Drainage Improvement	1A	134,000	1,066,000	0
N913	Pasco Co	SW IMP - Flood Protection - Ironbark Flood Abatement	1A	75,000	1,980,000	0
N915	Clearwater	SW IMP - Flood Protection - Lower Spring Branch Conveyance Improvements	1A	625,000	517,500	517,500
N924	Pinellas Co	WMP - Lake Tarpon Watershed Management Plan	1A	50,000	150,000	0
N943	Pasco Co	Restoration - Central Pasco Recharge Wetlands Facility Optimization	1A	60,000	50,000	30,000
W305	Pinellas Co	SW IMP - Water Quality - Roosevelt Stormwater Retrofit Project	1A	50,000	300,510	0
N748	Tampa	SW IMP - FP - Dale Mabry Henderson Trunkline - Upper Peninsula Watershed Drainage Improv.	H	5,000,000	5,000,000	8,250,000
N773	Tampa	SW IMP - Flood Protection - Cypress Street Outfall Regional Stormwater Improvements	H	1,500,000	3,000,000	10,500,000
N850	Pasco Co	SW IMP - Flood Protection - Sea Pines Neighborhood Flood Abatement	H	150,000	500,000	1,000,000
N855	Hillsborough Co	DAR - South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1	H	2,265,000	2,235,000	350,000
N865	Pasco Co	SW IMP - Flood Protection - Magnolia Valley Storage and Wetland Enhancement	H	300,000	200,000	6,000,000
N901	Pasco Co	SW IMP - Flood Protection - Port Richey Alternative Outfall	H	225,000	400,000	1,000,000
N949	Tampa	SW IMP - Flood Protection - Southeast Seminole Heights Flood Relief	H	0	500,000	0
N955	St. Petersburg	Conservation - St. Petersburg Toilet Rebate Program, Phase 17	H	0	25,000	0
N961	St. Petersburg	Study - St. Petersburg Satellite Based Potable Water Leak Detection Study	H	0	60,000	0
N965	Tampa Bay Water	AWS - Tampa Bay Water Tampa Bypass Canal Gates Automation	H	0	210,700	305,300
N966	Hillsborough Co	SW IMP - Flood Protection - Gibson Avenue Drainage Improvements	H	0	900,000	0
N967	Pasco Co	SW IMP - Flood Protection - Hidden Lake/Yellow Lake	H	0	200,000	0
N972	Tampa	Conservation - Tampa Water Use Information Portal Implementation	H	0	150,000	0
N975	Hillsborough Co	SW IMP - Flood Protection - Town "N" Country/Hillsborough Avenue Regional Drainage Improvements	H	0	300,000	0
N988	Hillsborough Co	Conservation - UF/IFAS Soil Moisture Sensor Project	H	0	25,000	0
N990	Pasco Co	SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 3 and 4	H	0	300,000	0
N995	Plant City	WMP - Plant City Watershed Management Plan	H	0	250,000	400,000

Southwest Florida Water Management District
Tampa Bay Region
FY2019 Proposed Project Funding
April 12, 2018

Project	Cooperator	Project Name	Rank	District Prior Funding	FY2019 Proposed District Funding	District Future Funding
N998	Tampa Bay Water	AWS - Tampa Bay Water Regional Facility Site Pump Station Expansion	H	0	108,000	1,092,000
Q001	Hillsborough Co	Study - Hillsborough County SCADA Long-Term Planning	H	0	100,000	0
Q012	Pasco Co	SW IMP - Flood Protection - Buck/ Lanier	H	0	60,000	250,000
Q013	Pasco Co	WMP - Hammock Creek WMP	H	0	300,000	600,000
Q014	Pasco Co	Conservation - Pasco County - Toilet Rebate - Phase 12	H	0	50,000	0
Q027	Hillsborough Co	SW IMP - Flood Protection - 56th St and Hanna Avenue Regional Drainage Improvements	H	0	200,000	1,475,000
Q028	Tampa	Reclaimed Water - Tampa Augmentation Project Feasibility Phase II	H	0	1,145,500	0
Q034	Pinellas Co	WMP - Brooker Creek Watershed Management Plan	H	0	75,000	375,000
Q036	St. Petersburg	SW IMP - Flood Protection - Bartlett Park and 7th Street South Stormwater Improvements	H	0	122,500	1,052,500
Q041	New Port Richey	Conservation - New Port Richey Toilet Rebate - Phase 5	H	0	7,470	0
Q042	Pasco Co	SW IMP - Flood Protection - PHSC Berm/Boggy Creek	H	0	125,000	0
W024	TBEP	FY2019 Tampa Bay Environmental Restoration Fund	H	0	350,000	0
W214	Pinellas Co	Restoration - Roosevelt Creek Channel 5 Improvements	H	0	357,571	0
W296	Treasure Isld	SW IMP - Water Quality - E. Treasure Island Causeway BMPs	H	0	275,250	0
N970	Pinellas Co	WMP - South Creek Watershed Management Plan	M	0	75,000	300,000
N976	Belleair	Study - Belleair Hydrogeologic Investigation for a Brackish Groundwater Water Supply	M	0	339,992	169,995
N993	Pasco Co	WMP - Cypress Creek Watershed Management Plan Update	M	0	200,000	700,000
N997	Kenneth City	WMP - Kenneth City Watershed Management Plan	M	0	62,500	0
Q011	Pasco Co	WMP - Pithlachascotee/Bear Creek Watershed Management Plan Update	M	0	200,000	600,000
Q026	Hillsborough Co	SW IMP - Flood Protection - N Falkenburg Rd. Drainage Improvements	M	0	500,000	0
Q045	New Port Richey	SW IMP - Water Quality - Beach Street Stormwater System Improvements	M	0	354,400	0
N492	Tampa	Lower Hillsborough River Dam Control Gate Facilities	L	797,732	233,167	0
N953	Pasco Co	SW IMP - Flood Protection - Salt Springs	L	0	300,000	0
N954	Tampa Bay Water	Conservation - Florida Friendly Landscape Program - Public Education	L	0	236,850	0
N960	Pasco Co	SW IMP - Flood Protection - Scenic Drive	L	0	100,000	500,000
N968	Hillsborough Co	Conservation - Hillsborough County Advanced Metering Infrastructure (AMI) Expansion	L	0	300,000	0
Q007	Pasco Co	SW IMP - Flood Protection - Angus Valley	L	0	150,000	2,400,000
Q010	Tampa	Conservation - Tampa Advanced Metering Infrastructure Implementation	L	0	5,000,000	0
Q021	Pasco Co	Reclaimed Water - Pasco Co. Cypress Preserve Phase 2 Grand Live Oak Reclaimed Water Transmission	L	0	206,500	0
Q033	Pasco Co	Immediate Maintenance - Plantation Palms	L	0	1,025,595	0
Q038	New Port Richey	SW IMP - Flood Protection - Grand Boulevard Stormwater Improvement	L	0	18,250	40,000
			Tampa Bay Region Total:	**$33,322,720**	**$42,079,695**	

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	FY2019
Pasco County		
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 Hillsborough County	SW IMP - Flood Protection - Town "N" Country/Hillsborough Avenue Regional Drainage Improvements	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	FY2019
Hillsborough County		

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. N953	SW IMP - Flood Protection - Salt Springs	
Pasco County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of conveyance improvements under Salt Springs Road, which is the ultimate outfall to Salt Springs from a larger upstream contributing area within the Double Hammock watershed. Upstream neighborhoods discharge to a ditch along Embassy Drive which discharges west under US19 to a ditch that leads to the Salt Springs culvert discharge. This system is undersized with bottlenecks at both the US19 and Salt Spring culverts. This project includes the upsizing and replacement of the Salt Springs discharge. FY2019 funding request will be utilized for construction.
Measurable Benefit:	The contractual Measurable Benefit will be the replacement of the culverts under Salt Springs Road to provide increased stormwater capacity in accordance with the permitted plans.
Costs:	Total project cost $600,000 (Construction) Pasco County share $300,000 District $300,000 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:	Low	There is no stated resource benefit of this project since it does not address an existing structural or street flooding problem. There is no structure or street flooding currently in the project area and/or the project does not impact the regional or intermediate drainage system.
Cost Effectiveness:	Low	Benefit/Cost ratio is less than 0.7. Benefits do not include enough avoided damages to structures and roads; therefore, analysis results in an unfavorable benefit/cost ratio.
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:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	The conveyance improvements under Salt Springs Road, proposed by the County in this application, do not provide enough flood protection benefits on their own without additional improvements such as improvements to the culverts under US 19 and upstream conveyance/storage improvements.

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. N954	Conservation-Florida Friendly Landscape Program- Public Education	
Tampa Bay Water		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Provides funding for Florida Friendly Landscape Program education coordinators to work with the building and residential communities to ensure that alternative landscapes and water efficient technologies are installed correctly, to communicate plant water establishment guidelines and to support efforts that address Tampa Bay Water member government's outdoor high water users.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $473,701; TBW Share: $236,851; District Share: $236,850.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines
Project Benefit:	Low	There is no estimated water savings as there is no BMP savings rate developed for this proposal.
Cost Effectiveness:	Low	There is no water savings estimate to calculate a cost effectiveness.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	The per capita for Tampa Bay Water Member Governments is inbetween 75 and 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2019.

Strategic Goals

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

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	Project is ranked low as it does not identify measurable water savings and is classified as education.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$236,850	$0	$236,850
Tampa Bay Water	$0	$236,851	$0	$236,851
Total	$0	$473,701	$0	$473,701

Project No. N960	SW IMP - Flood Protection - Scenic Drive	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, 1 of 2

Description

Description:	Design, permitting, and construction of improvements to the conveyance under Scenic Drive, which is located along Double Hammock Creek, west of US 19. The existing three pipes under Scenic Drive and US 19 are undersized and have a minor contribution to flooding in the Jasmine Lakes neighborhood and surrounding commercial properties. This project includes the upsizing and replacement of the pipes under Scenic Drive. FY2019 funding request will be used to complete design, permitting and start construction.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of replacement of the culverts under Scenic Drive to provide increased stormwater capacity in accordance with the permitted plans.
Costs:	Total project cost $1,200,000 (design, permitting, construction) Pasco County share $600,000 District $600,000 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:	Low	There is no stated resource benefit of this project since it does not significantly address an existing structural or street flooding problem.
Cost Effectiveness:	Low	Benefit/Cost ratio is less than 0.7. Benefits do not include enough avoided damages to structures and roads; therefore, analysis results in an unfavorable benefit/cost ratio.
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:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	The conveyance improvements under Scenic Drive do not provide enough flood protection benefits on its own. Additional conveyance and storage improvements are required to provide flood protection benefits to the area.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$100,000	$500,000	$600,000
District	$0	$100,000	$500,000	$600,000
Total	$0	$200,000	$1,000,000	$1,200,000

Project No. N968	Conservation - Hillsborough County Advanced Metering Infrastructure (AMI) Expansion	
Hillsborough County		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	This project is for the purchase and installation of 2,000 meter registers as part of a pilot program on 1,400 homes in the Most Impacted Area located within the Hillsborough County Public Supply Service Area.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $600,000; Hillsborough County Share: $300,000; District Share: $300,000.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	Low	The District does not anticipate any water savings from the project.
Cost Effectiveness:	Low	The is no water savings estimate to calcuate a cost effectiveness.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for 17 ongoing projects.
Complementary Efforts:	High	The per capita for Hillsborough County is inbetween 75 and 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1st of the fiscal year the funding is being requested.

Strategic Goals

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

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	Project is ranked low as the District does not anticipate any water savings and the project is classified as infrastructure replacement.

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. Q007	SW IMP - Flood Protection - Angus Valley	
Pasco County		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Design, permitting, and construction of three regional Best Management Practice (BMP) solutions within the Angus Valley neighborhood. The BMPs consist of improvements to existing conveyance systems discharging at Mangrove Drive, enlargement of the existing channel north and west of Mangrove Drive, and enlargement of the existing channel conveyance along the northern boundary of the subdivision.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of conveyance system improvements within the Angus Valley BMP project area in accordance with the permitted plans.
Costs:	Total project cost $5,100,000 (design, permitting, and construction) Pasco County share $2,550,000 District $2,550,000 with $150,000 requested in FY2019, and $2,400,000 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:	Low	The 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 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:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	This project is not recommended for funding because the Benefit/Cost ratio is less than 0.5; therefore, this project is not considered cost effective for funding through the CFI. If ranking changes, this project will require a third-party review as it is over $5,000,0000.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$150,000	$2,400,000	$2,550,000
District	$0	$150,000	$2,400,000	$2,550,000
Total	$0	$300,000	$4,800,000	$5,100,000

Project No. Q010	Conservation- Tampa Advanced Metering Infrastructure Implementation	
City of Tampa		FY2019
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	This project is for the purchase and installation of Automatic Meter Reading (AMR)/Automatic Meter Infrastructure (AMI) electronic meter interface units on each existing and new meter within the Tampa Water Department Public Supply Service Area.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $10,000,000; City of Tampa Share: $5,000,000; District Share: $5,000,000.

Evaluation

Application Quality:	High	Project included all the required information identified in the CFI guidelines.
Project Benefit:	Low	Low or no resource benefit expected
Cost Effectiveness:	Low	The Cooperator did not provide, and the District does does not anticipate, any water savings from the completion of the project.
Past Performance:	High	Based upon an assessment of the schedule and budget for 9 ongoing projects.
Complementary Efforts:	Medium	The per capita for the Cooperator is inbetween 75 and 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1st of the fiscal year the funding is being requested.

Strategic Goals

Strategic Goals:	Low	**Strategic Initiative**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	Project is ranked low as the District does not anticipate any water conservation and the project is classified as infrastructure replacement.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$5,000,000	$0	$5,000,000
City of Tampa	$0	$5,000,000	$0	$5,000,000
Total	$0	$10,000,000	$0	$10,000,000

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

Project No. Q033	Immediate Maintenance - Plantation Palms	
Pasco County		FY2019
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of the restoration and stabilization of an approximately 900-foot segment of the existing Plantation Palms major drainage flow-way, under the "Immediate Maintenance of Intermediate Level Systems" guidelines of the Southwest Florida Water Management District's Cooperative Funding Initiative guidelines. The Plantation Palms drainage ditch lies between the Plantation Palms residential community to the south, and the Lake Padgett Estates to the north. The ditch is approximately 5,010 feet long and flows from Collier Parkway into a large Class I wetland system east of the two developments. The side slope failure of the ditch is threatening private property as well as human life and safety in both Lake Padgett Estates and Plantation Palms.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of slope stabilization within the Plantation Palms north drainage system, in accordance with the permitted plans.
Costs:	Total project cost $2,051,190 (Construction) Pasco County share $1,025,595 District $1,025,595 with $1,025,595 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:	Low	There is no stated resource benefit of this project since it does not address an existing structural or street flooding problem.
Cost Effectiveness:	Low	Benefits are not associated with avoided flood damage 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:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	This project does not quality for Immediate Maintenance under the District's Cooperative Funding Guidelines because the slope failure does not pose a significant immediate flood risk to habitable structure.

Funding

Funding Source	Prior	FY2019	Future	Total
Pasco County	$0	$1,025,595	$0	$1,025,595
District	$0	$1,025,595	$0	$1,025,595
Total	$0	$2,051,190	$0	$2,051,190

Project No. Q038	SW IMP - Flood Protection - Grand Boulevard Stormwater Improvement	
New Port Richey		FY2019
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	This project consists of the design, permitting and construction of a culvert under Grand Boulevard, just south of Homecrest Boulevard. This project will increase the capacity of the drainage system, which discharges to the Pithlachascotee River. The installation of the 48-inch pipe will improve drainage within the 372 acre drainage area and reduce flooding stages upstream of the pipe location. FY2019 funding will be utilized for design, permitting, and 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 372 acres of highly urbanized basin, in accordance with the permitted plans.
Costs:	Total project cost $116,500 (design, permitting, construction) New Port Richey share $58,250 District share $58,250 with $18,250 requested in FY2019, and $40,000 anticipated to be requested in future years.

Evaluation

Application Quality:	Low	District PM/CM had to work with the cooperator to obtain required information and cooperator was unable to provide required information.
Project Benefit:	Low	There is no resource benefit associated with this project since it does not address an existing structural or street flooding problem. There is no structure or street flooding currently in the project area and/or the project does not impact the regional or intermediate drainage system.
Cost Effectiveness:	Low	Costs are based on conceptual level information only, design has not started, or are high when compared to similar projects if information is available.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System (CRS) 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:	Low	**Strategic Initiative**: None **Region Priority**: None

Overall Ranking and Recommendation

Low Priority, not recommended for funding.	The project does not provide a resource benefit since it does not address existing structure or street flooding. The District continue to work with City to identify benefits and coordinate with the County on regional solution to the existing flooding.

Funding

Funding Source	Prior	FY2019	Future	Total
District	$0	$18,250	$40,000	$58,250
New Port Richey	$0	$18,250	$40,000	$58,250
Total	$0	$36,500	$80,000	$116,500

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs and activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact the District's Human Resources Director, 2379 Broad Street, Brooksville, Florida 34604-6899; 1-352-796-7211 or 1-800-423-1476 (Florida only), extension 4702; TDD (Florida only) 1-800-231-6103; or email to ADACoordinator@swfwmd.state.fl.us