SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY2022 Cooperative Funding Initiative Project

Final Evaluations and Rankings

Southwest Florida Water Management District
FY2022 Proposed Cooperative Funding Projects
7-May-21

Page	Project	Cooperator	Project Name	Final Staff Rank	District Prior Funding	FY2022 Proposed District Funding	District Future Funding
Heartland Region							
Projects Recommended by Regional Subcommittee							
6	Q067	Polk County	Reclaimed – Polk County NERUSA Southeast Reuse Loop Project	1A	$2,076,750	$110,000	0
7	Q176	Winter Haven	WMP – Winter Haven/Upper Peace Creek Watershed Optimization Model	1A	$225,000	$150,000	0
8	Q181	FDEP	WMP – Highlands Hammock State Park/Little Charlie Bowlegs WMP	1A	$75,000	$97,500	$97,500
9	Q223	Polk County	Study – Lake Lowery Outfall Evaluation	H	0	$50,000	0
10	Q252	Fort Meade	Study – Ft. Meade Reclaimed Water Feasibility Study	H	0	$168,750	0
11	Q266	Polk County	Conservation – Polk County Florida Water Star Builder Reimbursement Program	H	0	$20,000	0
12	Q271	Winter Haven	Reclaimed – Winter Haven Preserve at Lake Ashton Reclaimed Water Transmission	H	0	$500,000	$910,000
13	Q284	Frostproof	SW IMP – Water Quality – Wall Street BMPs	H	0	$112,500	$337,500
14	Q285	Lake Wales	SW IMP – Water Quality – Park Avenue Streetscape Improvements	H	0	$110,000	0
15	Q298	Highlands County	SW IMP – Water Quality – Lake June-in-Winter Catfish Creek BMPs	H	0	$116,250	$78,750
16	Q303	Haines City	Reclaimed – Haines City Lake Eva Aquifer Recharge and MFL Recovery	H	0	$253,500	$2,700,000
17	Q286	Lakeland	Study – Lake Parker Restoration	M	0	$80,000	0
18	W518	Polk County	Restoration – Lake Hancock Natural Systems Enhancements	M	0	$210,000	0
19	W520	Polk County	Study – Upper Peace River Feasibility	M	0	$60,000	0
20	W564	Polk County	Study – Ridge to Rivers Feasibility	M	0	$160,000	0
			Total Recommended by Regional Subcommittee		**$2,376,750**	**$2,198,500**	**$4,123,750**
Projects Not Recommended by Regional Subcommittee							
21	Q184	PRWC	Brackish – Polk Regional Water Cooperative Southeast Wellfield Implementation	L	$6,750,000	$42,772,000	$40,724,500
22	Q216	PRWC	Interconnects – Polk Regional Water Cooperative Regional Transmission Southeast Phase 1	L	$4,950,000	$31,542,000	$16,552,150
23	Q267	PRWC	Conservation – PRWC Demand Management Implementation	L	0	$102,679	0
			Total Not Recommended by Regional Subcommittee		**$11,700,000**	**$74,416,679**	**$57,276,650**
Northern Region							
Projects Recommended by Regional Subcommittee							
25	Q075	Lake County	Restoration – Pasture Reserve	1A	$200,000	$300,000	0
26	Q082	Wildwood	WMP - Wildwood Watershed Management Plan	1A	$70,000	$15,000	0
27	Q086	Dunnellon	WMP – Dunnellon Watershed Management Plan	1A	$95,000	$47,500	0
28	Q167	Citrus County	WMP – Red Level Watershed Management Plan	1A	$100,000	$75,000	$75,000
29	Q197	Williston	SW IMP – Flood Protection – John Henry Celebration Park Stormwater Improvements	1A	$300,000	$422,250	0
30	Q231	Marion County	WMP – Rainbow River Watershed Management Plan Update	H	0	$153,800	$615,200
31	Q254	Citrus County	Conservation – Citrus County Water Conservation Program	H	0	$46,600	0
32	Q255	BLCCDD	Conservation – Bay Laurel CCD Water Conservation Program	H	0	$164,750	0
33	WR10	Marion County	SW IMP – Water Quality – Rainbow Springs 5th Replat Stormwater Retrofit	H	0	$424,047	0
34	WR11	Marion County	Springs – Marion County State Road 200 Septic to Sewer Project	H	0	$178,232	0
35	WW10	Hernando County	Springs – Hernando County Septic to Sewer District A, Phase 1b	H	0	$250,000	$1,475,000
36	Q207	Marion County	WMP – West Ocala WMP Update	M	0	$111,000	$111,000
37	Q230	Marion County	WMP – Gum Swamp & Big Jones Creek Watershed Management Plan Update	M	0	$126,875	$380,625
38	WH06	Citrus County	Springs – Citrus County Old Homosassa Downtown North Septic to Sewer	M	0	$250,000	$2,758,750
			Total Recommended by Regional Subcommittee		**$765,000**	**$2,565,054**	**$5,415,575**
Projects Not Recommended by Regional Subcommittee							
39	Q224	Citrus County	WMP – East Citrus/Withlacoochee Watershed Management Plan	L	0	$100,000	0

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40	Q264	BLCCDD	Conservation – Bay Laurel Turf Grass Reduction Project	L	0	$75,000	0
			Total Not Recommended by Regional Subcommittee		**$0**	**$175,000**	**$0**
Southern Region							
Projects Recommended by Regional Subcommittee							
42	Q141	Manatee County	SW IMP - Flood Protection - Bowlees Creek Flood Mitigation	1A	$139,852	$139,853	0
43	Q148	Manatee County	WMP - Cow Pen Slough Watershed	1A	$135,000	$135,000	0
44	Q151	Manatee County	WMP - South Manatee County Watersheds	1A	$372,000	$372,000	0
45	Q157	Bradenton	SW IMP – Flood Protection – City of Bradenton Village of the Arts South Drainage Improvements	1A	$100,000	$297,441	$772,559
46	Q191	Manatee County	WMP – North Manatee County Watersheds	1A	$383,625	$383,625	0
47	Q202	PRMRWSA	Study – PRMRWSA Southern Regional Loop Phase 2B & 2C Feasibility and Routing	1A	$150,000	$50,000	0
48	Q205	PRMRWSA	Study – PRMRWSA Phase 3C Integrated Loop Routing and Feasibility	1A	$200,000	$100,000	0
49	Q050	Venice	ASR – City of Venice Reclaimed Water ASR	H	$232,500	$1,100,000	$1,200,000
50	Q217	Arcadia	Study – Arcadia Stormwater Evaluation and Feasibility Study	H	0	$112,500	0
51	Q234	Manatee County	SW IMP – Flood Protection – Bowlees Creek Pennsylvania Avenue Flow Diversion System	H	0	$250,000	$900,236
52	Q248	PRMRWSA	AWS – PRMRWSA Regional Acquisition of the Project Prairie Pumping and Storage Facilities	H	0	$637,500	0
53	Q268	BRU	Reclaimed – BRU Taylor Road Area Transmission	H	0	$1,050,000	$2,500,000
54	Q272	PRMRWSA	AWS – PRMRWSA Reservoir No. 3	H	0	$3,625,000	$112,075,000
55	W105	Holmes Beach	SW IMP – Water Quality – Central Holmes Beach BMPs - Phases F, G, and H	H	0	$256,250	$512,500
56	W219	Anna Maria	SW IMP – Water Quality – Anna Maria BMPs Phase L	H	0	$254,380	0
57	W647	Sarasota County	Restoration – Phillippi Creek Stream Restoration	H	0	$200,000	$500,000
58	Q257	Sarasota	Study – Sarasota County System-Wide Wellfield Improvements	M	0	$75,000	0
59	Q265	North Port	Conservation – North Port Water Distribution Ridgewood/Lamplighter Area Looping Project	M	0	$173,950	0
			Total Recommended by Regional Subcommittee		**$1,712,977**	**$9,212,499**	**$118,460,295**
Projects Not Recommended by Regional Subcommittee							
60	Q237	Sarasota County	DAR – Sarasota County Dona Bay Phase 3 Aquifer Recharge	L	0	$45,000	$10,000,000
61	Q276	Venice	AWS – Venice RO Water Treatment Plant Efficiency Expansion	N/R	0	$150,000	$1,500,000
62	Q277	Sarasota County	Study – Sarasota Bay Septic to Sewer Water Quality Study	N/R	0	$2,500,000	0
63	W646	City of Sarasota	SW IMP – Water Quality – City of Sarasota Created Wetlands System	H	0	$1,511,535	0
			Total Not Recommended by Regional Subcommittee		**$0**	**$4,206,535**	**$11,500,000**
Tampa Bay Region							
Projects Recommended by Regional Subcommittee							
65	Q011	Pasco County	WMP – Pithlachascotee/Bear Creek WMP	1A	$500,000	$300,000	0
66	Q013	Pasco County	WMP – Hammock Creek WMP	1A	$600,000	$300,000	0
67	Q130	Pinellas County	Study – Nutrient Source Tracking	1A	$85,000	$15,000	0
68	Q149	Pinellas County	WMP – Coastal Zone 5 Watershed Management Plan	1A	$75,000	$112,500	$100,000
69	Q163	Seminole	WMP – Seminole Stormwater Master Plan Update and Infrastructure Assessment	1A	$125,000	$125,000	0
70	Q171	Pinellas County	Study – McKay Creek Model Update, Alternatives Analysis and Feasibility Study	1A	$130,000	$130,000	0
71	Q196	Pinellas County	Study – Joe's Creek Model Update, Alternatives Analysis and Feasibility Study	1A	$180,000	$90,000	$90,000
72	Q199	Pinellas County	WMP – Starkey Road WMP Update	1A	$75,000	$100,000	$75,000
73	Q210	Pasco County	SW IMP – Flood Protection – Griffin Park Flood Abatement Project	1A	$195,000	$705,000	0
74	Q213	Hillsborough County	Hillsborough County SCADA System	1A	$200,000	$700,000	0
75	W211	Pinellas County	Restoration – Weedon Island Tidal Marsh	1A	$56,268	$123,790	$288,842

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76	N949	Tampa	SW IMP – Flood Protection – Southeast Seminole Heights Flood Relief	H	$4,000,000	$7,500,000	$250,000
77	Q146	Tampa Bay Water	Interconnects – Tampa Bay Water Southern Hillsborough Co. Booster Pump Station	H	$500,000	$500,000	$2,550,000
78	Q190	Tampa	SW IMP – Flood Protection – Lower Peninsula Stormwater Improvements - Southeast Region	H	$35,000	$6,000,000	$6,465,000
79	Q220	St. Petersburg	SW IMP – Flood Protection – 7th Street North, 50th Avenue North Vicinity Storm Drainage Improvements	H	0	$1,500,000	$1,228,500
80	Q225	Pasco County	SW IMP – Flood Protection – Lafitte Drive	H	0	$250,000	$1,631,417
81	Q236	Tampa	Study – Sulphur Springs Flow Feasibility Study	H	0	$125,000	$195,000
82	Q241	Tampa Bay Water	Interconnects – TBW Southern Hillsborough County Transmission Expansion	H	0	$4,459,207	$140,594,793
83	Q245	Pinellas County	Conservation – Pinellas County AMI Metering Analytics Project	H	0	$139,414	0
84	Q246	Tampa	Reclaimed – Tampa Hillsborough River MFL "PURE" Project	H	0	$60,280	$41,039,720
85	Q256	St. Petersburg	Conservation – St. Petersburg Sensible Sprinkling Program - Phase 10	H	0	$50,000	0
86	Q259	Tarpon Springs	Conservation – Tarpon Springs Water Conservation Program Phase III	H	0	$15,000	0
87	W024	TBEP	FY2022 Tampa Bay Environmental Restoration Fund	H	0	$350,000	0
88	W103	Pinellas County	Restoration – Roosevelt Creek Channel 5 Improvements	H	0	$350,000	0
89	W106	Pinellas County	SW IMP – Water Quality – Starkey M10 Stormwater Facility Quality Improvements	H	0	$324,000	0
90	W298	Philippe Bay Neighborhood Association	SW IMP – Water Quality – Philippe Bay Stormwater Quality Upgrades	H	0	$60,000	0
91	N865	Pasco County	SW IMP – Flood Protection – Magnolia Valley Storage and Wetland Enhancement Project	M	$500,000	$250,000	$5,750,000
92	Q219	Pinellas County	WMP – Sutherland Bayou Watershed Management Plan	M	0	$50,000	$100,000
93	Q221	Pinellas County	Study – Curlew Creek & Smith Bayou Feasibility Study	M	0	$180,500	$180,500
94	Q226	Hillsborough County	WMP – Hillsborough County Countywide Watershed Model Migration and Integration	M	0	$500,000	$500,000
95	Q227	Hillsborough County	Study – 76th Street West Bypass Feasibility Study	M	0	$50,000	0
96	Q228	Madeira Beach	WMP – City of Madeira Beach Watershed Management Plan	M	0	$74,246	0
97	Q233	Pinellas County	Study – Clearwater Harbor/St Joseph Sound Nitrogen Source Identification	M	0	$50,000	$150,000
98	Q274	Zephyrhills	Reclaimed – Zephyrhills to Pasco County Reclaimed Water Interconnect	M	0	$880,000	0
99	W102	Redington Beach	SW IMP – Water Quality – Town of Redington Beach Stormwater Retrofits Phase II	M	0	$75,000	0
			Total Recommended by Regional Subcommittee		**$7,256,268**	**$26,493,937**	**$201,188,772**
Projects Not Recommended by Regional Subcommittee							
100	Q222	Pasco County	SW IMP – Flood Protection – Buzzard Lake	L	0	$151,000	$0
101	Q235	Pasco County	SW IMP – Flood Protection – Quail Hollow Blvd	L	0	$400,000	$3,127,623
			Total Not Recommended by Regional Subcommittee		**$0**	**$551,000**	**$3,127,623**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Heartland Region

FY2022 Cooperative Funding Initiative

Final Evaluations and Rankings

Project No. Q067	Reclaimed – Polk County NERUSA Southeast Reuse Loop Project
Polk County	FY2022

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

Description	
Description:	Design, permitting and construction of approximately 24,800 feet of reclaimed water transmission mains and other necessary appurtenances to construct a loop to supply approximately 1,365 homes in the Southeast reuse portion of the North East Regional Utility Service Area (NERUSA) and to enable supply to future planned subdivisions.
Measurable Benefit:	The contractual Measurable Benefit will be the supply and utilization of 0.522 mgd of reclaimed water for residential irrigation use for an anticipated 0.522 mgd of water savings in the Central Florida Water Initiative area (CFWI).
Costs:	Total project cost: $4,373,500 (design, permitting, construction) Polk County: $2,186,750; District: $2,186,750, with $2,076,750 budgeted in previous years, and the final $110,000 is requested in FY2022

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 0.522 mgd of reclaimed water to residential irrigation customers for an anticipated 0.522 mgd of water savings within the CFWI.
Cost Effectiveness:	High	$8.38 per gallon per day capital cost which is less than the $10 to $15 per gallon average for alternative supplies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 ongoing projects.
Complementary Efforts:	High	The Cooperator has a program in place that includes metering and an incentivized 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 - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Heartland Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

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

Funding

Funding Source	Prior	FY2022	Future	Total
District	$2,076,750	$110,000	$0	$2,186,750
Polk County	$2,076,750	$110,000	$0	$2,186,750
Total	**$4,153,500**	**$220,000**	**$0**	**$4,373,500**

Project No. Q176	WMP – Winter Haven/Upper Peace Creek Watershed Optimization Model
Winter Haven	FY2022

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

Description	
Description:	Development of an integrated surface and groundwater planning model for the Upper Peace Creek Watershed. The model will incorporate economic, social and environmental considerations to develop options for flood mitigation, water supply and natural system enhancements. FY2022 funding will be used to complete the Flood Mitigation Plan and Funding Plan.
Measurable Benefit:	The contractual Measurable Benefit is the completion of an integrated optimization model addressing water and related resources for the Winter Haven lakes, Ridge lakes, Upper Peace Creek and the Peace River.
Costs:	Total project cost: $750,000 Winter Haven: $375,000 District: $375,000 with $225,000 budgeted in previous years and $150,000 requested in FY2022.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	Medium	The project is a planning and modeling project to address improvement of flood protection, enhancement of natural systems, water supply and economic development. The resource benefits and costs will be clearly defined for each proposed project.
Cost Effectiveness:	Medium	The cost of this project is similar to other projects of similar scope.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	The applicant has four or more complementary efforts in the areas of water supply, flood protection and natural systems.
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 - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **Heartland Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation	
Fund as 1A Priority	This ongoing study will develop an integrated planning model for the Upper Peace Creek Watershed that will result in project options for reduced groundwater use in the SWUCA, flood protection improvements, and natural system restoration. Specific benefits will be provided as a part of the project option analysis.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$225,000	$150,000	$0	$375,000
Winter Haven	$225,000	$150,000	$0	$375,000
Total	**$450,000**	**$300,000**	**$0**	**$750,000**

Project No. Q181	WMP – Highlands Hammock State Park/Little Charlie Bowlegs WMP
FDEP	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 2 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) for the Little Charlie Bowlegs Watershed with an increased focus on Highlands Hammock State Park in Highlands and Hardee Counties. This study will include a watershed evaluation, floodplain analysis, level of service (LOS) determination, surface water resource assessment (SWRA), and best management practice (BMP) alternatives analysis with the goal of improving flood protection, water quality and/or natural systems. FY2022 funding will be used to conduct the floodplain analysis.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that identifies floodplains, establishes LOS, performs a SWRA, and evaluates BMPs to address flooding concerns, and improves water quality and/or enhances natural systems in the watershed.
Costs:	Total Project cost: $540,000 FDEP: $270,000 District: $270,000 with $75,000 budgeted in previous years, $97,500 requested in FY2022 and $97,500 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Medium	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. Resource benefit is set to medium to reflect that nearly half of the watershed is within the State Park.
Cost Effectiveness:	High	Project cost per square mile is in the low range of historic costs (under $14,100/sq mi) for WMPs completed in rural watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Cooperator is a state agency and does not participate in the Community Rating System.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project will identify flood risk and develop improvement plans in an area that does not have a flood risk model. The study includes the Highlands Hammock State Park and the surrounding watershed. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, improve water quality, and/or enhance natural systems.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$75,000	$97,500	$97,500	$270,000
FDEP	$75,000	$97,500	$97,500	$270,000
Total	**$150,000**	**$195,000**	**$195,000**	**$540,000**

Project No. Q223	Study – Lake Lowery Outfall Evaluation	
Polk County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** No

Description	
Description:	Completion of a feasibility study to identify and evaluate possible drainage improvements to the Lake Lowery Outfall. Numerous complaints of flooded properties, roads, driveways, wells, outbuildings, and failed septic systems have been reported to the County and the District.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a feasibility study that identifies and evaluates possible drainage improvements to the Lake Lowery Outfall.
Costs:	Total project cost: $100,000 (study) Polk County: $50,000 District: $50,000 requested in FY2022

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	The project benefit is a feasibility study that will analyze flooding problems in the watershed and identify possible solutions. Currently, flood analysis models are available, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	The cost of this project is comparable to other prior projects with similar scopes.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 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, 2021.

Strategic Goals		
Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

Overall Ranking and Recommendation	
Fund as a High Priority	This project is to complete a feasibility study to identify and evaluate possible solutions to reduce flooding in the Lake Lowery Watershed where numerous flooding complaints have been reported to the County and the District.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$50,000	$0	$50,000
Polk County	$0	$50,000	$0	$50,000
Total	**$0**	**$100,000**	**$0**	**$100,000**

Project No. Q252	Study – Ft. Meade Reclaimed Water Feasibility Study
Ft. Meade	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	A Feasibility Study to determine and contrast two different 0.54 mgd reclaimed water options for the full utilization of the City's available reclaimed water flows. Option 1: Ft. Meade Reclaimed Water Constructed Wetlands and Option 2: Duke Hines Energy Reclaimed Transmission. The study will identify cost to benefit ratios, projected benefits, probable construction, operation and maintenance costs and identify how they support the District's Strategic Initiatives.
Measurable Benefit:	The contractual Measurable Benefit will include the completion of a feasibility study to identify the costs, benefits and recommendations for two reclaimed water options to utilize the 0.54 mgd within the Southern Water Use Caution Area (SWUCA).
Costs:	Total project cost: $225,000 (feasibility); Ft. Meade: $56,250 (REDI Eligible Community); District: $168,750, with all requested in FY2022;

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI guidelines.
Project Benefit:	Medium	The project benefit is the completion of a feasibility study to evaluate potential project options to utilize 0.54 mgd of excess Ft. Meade reclaimed water.
Cost Effectiveness:	High	The costs are consistent with the range of costs for similar reuse feasibility studies co-funded by the District.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The Cooperator has a program in place that includes metering and an incentivized based reuse rate structure for high volume users, and has proactive reclaimed expansion policies which maximize utilization and environmental benefits.
Project Readiness:	High	The project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Heartland Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as a High Priority	The project is recommended for funding, as it will provide valuable information necessary for the potential development of a future reuse option. Ft. Meade qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under the Governing Board's Cooperative Funding Initiative Policy, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$168,750	$0	$168,750
Ft. Meade	$0	$56,250	$0	$56,250
Total	**$0**	**$225,000**	**$0**	**$225,000**

Project No. Q266	Conservation – Polk County Florida Water Star Builder Reimbursement Program
Polk County	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Make available financial incentives to home builders for building homes to Florida Water Star (FWS) standards and submitting proof of FWS certification for these homes. FWS homes meet specific water-efficiency criteria inside the homes in appliances and fixtures and outside the homes in landscape and irrigation design and installation. This project will provide a $1,000 rebate per home for home builders to assist with the additional costs associated with building and certifying approximately 40 FWS-certified homes. Some Polk County municipalities have adopted local ordinances, requiring FWS standards for new construction. Rebates will be available county wide within all jurisdictions.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total project cost: $40,000 Polk County: $20,000 District: $20,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of the project is the conservation of approximately 5,260 gallons per day in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.01 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 ongoing projects.
Complementary Efforts:	High	Applicant has the complementary efforts of having an active conservation program, adopting an ordinance to support year-round 2-day per week irrigation restrictions and actively enforcing restrictions.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

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

Overall Ranking and Recommendation

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

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$20,000	$0	$20,000
Polk County	$0	$20,000	$0	$20,000
Total	**$0**	**$40,000**	**$0**	**$40,000**

Project No. Q271	**Reclaimed – Winter Haven Preserve at Lake Ashton Reclaimed Water Transmission**
Winter Haven	FY2022

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

Description

Description:	Construction and permitting of approximately 17,600 feet of reclaimed water transmission mains and other necessary appurtenances to construct a portion of a transmission loop to supply approximately 500 single family residential homes, common areas and medians and 2 golf courses in the southeast reuse portion of Winter Haven and to enable supply to future planned subdivisions.
Measurable Benefit:	The contractual Measurable Benefit will be the supply and utilization of 0.590 million gallons per day (mgd) of reclaimed water for golf course and residential irrigation in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI). Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $2,820,000 (construction & permitting); Winter Haven: $1,410,000; District: $1,410,000, with $500,000 requested in FY2022 and remaining $910,000 in future fiscal years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with the cooperator to obtain the remaining required information.
Project Benefit:	High	The benefit is the supply of 0.590 mgd of reclaimed water for irrigation customers for an anticipated 0.388 mgd of water savings in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI).
Cost Effectiveness:	High	$7.26 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	The Cooperator has a program in place that includes metering and an incentivized based reuse rate structure for high volume users, and has proactive reclaimed expansion policies which maximize utilization and environmental benefits.
Project Readiness:	High	The project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Heartland Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as a High Priority	The project is recommended for funding as it reduces reliance on traditional water sources in the CFWI and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$500,000	$910,000	$1,410,000
Winter Haven	$0	$500,000	$910,000	$1,410,000
Total	**$0**	**$1,000,000**	**$1,820,000**	**$2,820,000**

Project No. Q284	SW IMP – Water Quality – Wall Street BMPs
City of Frostproof	FY2022

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

Description

Description:	Design, permitting, and construction of stormwater BMPs to improve water quality discharging into Lakes Reedy and Clinch, impaired water bodies with adopted TMDLs for nutrients within the Ridge Lakes, a District regional priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMPs to treat stormwater runoff from approximately 18 acres of urban watershed. Construction will be done in accordance with permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $1,328,000 (Design, permitting, construction) Rebuild Florida: $728,000 City of Frostproof: $150,000 (REDI Eligible Community) District: $450,000 with $112,500 requested in FY2022 and $337,500 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 the project is the reduction of Total Nitrogen loads to Lake Reedy and Lake Clinch by an estimated 140 lbs/yr TN, and a reduction of Total Phosphorus loads by an estimated 20 lbs/yr TP.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is between the historical average cost of $176 and $475/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Heartland Region Priority:** Improve Winter Haven Chain of Lakes and Ridge Lakes.

Overall Ranking and Recommendation

Fund as a High Priority	This project is cost effective and improves water quality discharging to Lakes Reedy and Clinch, within the Ridge Lakes, a District regional priority water body. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions. The City of Frostproof qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under the Cooperative Funding Initiative Governing Board Policy, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$112,500	$337,500	$450,000
City of Frostproof	$0	$37,500	$112,500	$150,000
Rebuild Florida	$0	$0	$728,000	$728,000
Total	**$0**	**$150,000**	**$1,178,000**	**$1,328,000**

Project No. Q285	SW IMP – Water Quality – Park Avenue Streetscape Improvements
City of Lake Wales	FY2022

Risk Level:	Type 2	**Multi-Year Contract:**	No

Description	
Description:	Construction of stormwater BMPs along East Park Avenue to improve water quality discharging into Lake Wales, a nutrient impaired water body within the Ridge Lakes, a District regional priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMPs to treat stormwater runoff from approximately 4 acres of 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: $220,000 (construction) City of Lake Wales: $110,000 District: $110,000

Evaluation		
Application Quality:	High	Application included all required information identified in the CFI Guidelines.
Project Benefit:	Medium	The Resource Benefit of the project is the reduction of Total Nitrogen loads to Lake Wales by an estimated by an estimated 59 lbs/year and a reduction of Total Phosphorus loads by an estimated 6 lbs/year.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is within the historical average range of $176/lb and $475/lb. The estimated cost/lb of TP removed is within the historical average range of $1498/lb and $4152/lb.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Heartland Region Priority:** Improve Winter Haven Chain of Lakes and Ridge Lakes.

Overall Ranking and Recommendation	
Fund as a High Priority	This project is cost effective and improves water quality discharging to Lake Wales Ridge Lake, a District regional priority water body. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$110,000	$0	$110,000
City of Lake Wales	$0	$110,000	$0	$110,000
Total	**$0**	**$220,000**	**$0**	**$220,000**

Project No. Q298	SW IMP – Water Quality – Lake June-in-Winter Catfish Creek BMPs
Highlands County	FY2022

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

Description	
Description:	Design, permitting and construction of stormwater BMPs in Catfish Creek to improve water quality in Lake June-In-Winter, a Lake Wales Ridge Lake.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting and construction of LID BMPs to provide treatment to 2,760 acres of the Catfish Creek watershed. Construction will be done in accordance with permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $260,000 (design, permitting, construction) Highlands County: $65,000 (REDI Eligible Community) District: $195,000 with $116,250 requested in FY2022 and $78,750 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 the Project is the reduction of pollutant loads to Lake June-In-Winter, a Lake Wales Ridge Lake, by an estimated 205 lbs/yr TN, and 42 lbs/yr TP.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical cost average of $176/lb. The estimated cost/lb of TP removed is below the historical average of $1498/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Heartland Region Priority:** Improve Winter Haven Chain of Lakes and Ridge Lakes.

Overall Ranking and Recommendation	
Fund as a High Priority	This project is cost effective and improves water quality discharging to Lake June-In-Winter, a Lake Wales Ridge Lake. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions. Highlands County qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under the Cooperative Funding Initiative Governing Board Policy, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$116,250	$78,750	$195,000
Highlands County	$0	$38,750	$26,250	$65,000
Total	**$0**	**$155,000**	**$105,000**	**$260,000**

Project No. Q303	Reclaimed – Haines City Lake Eva Aquifer Recharge and MFL Recovery
Haines City	FY2022

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

Description

Description:	30% design and third-party review (TPR) for the design, permitting and construction of a system of rapid infiltration basins (RIBs) that will receive reclaimed water at a minimum average 5-year recharge rate of 256 million gallons per year (mgy) with an aggregate capacity of up to 2.5 million gallons per day (mgd), approximately 5,700 feet of reclaimed water transmission mains, control valves and associated instrumentation, and other necessary appurtenances to facilitate the supply of reclaimed water to help restore minimum lake levels (MLLs) in the "Ridge Lakes" area of the Central Florida Water Initiative region and Southern Water use Caution Area. This is a follow-on project to N888, Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility and implements the selected option. The FY2022 funding request is to complete 30% design and TPR, 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 permit and construct reclaimed water transmission mains and RIBs to benefit lake levels.
Costs:	Total project cost: $507,000 (30% design and TPR) Haines City: $253,500 District: $253,500 with $253,500 requested in FY2022. The conceptual estimate for total project costs, including design completion, permitting, and construction is $5,907,000. It is anticipated that the City 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 had to work with the cooperator to obtain remaining information.
Project Benefit:	High	The Resource Benefit of this project, if constructed, will be RIBs that will receive reclaimed water at a minimum average 5-year recharge rate of 256 mgy to increase water levels near Lake Eva to help achieve the lake's MLLs that are currently not being met.
Cost Effectiveness:	High	The project costs are consistent with similarly funded District projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for 1 ongoing project.
Complementary Efforts:	High	Haines City's reclaimed water system includes metering and an incentivized based reuse rate structures for high volume water users and has proactive reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
Project Readiness:	High	Project is ready to begin on December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Heartland Region Priority:** Improve Winter Haven Chain of Lakes and Ridge Lakes.

Overall Ranking and Recommendation

Fund as a High Priority	The current staff ranking of the project is High based upon preliminary results from project N888-Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility. Conservative and preliminary model results indicate a recovery of roughly 0.3' per 0.7 mgd (256 mgy) of loading to the RIB over a long-term basis. The RIB will be constructed to handle a maximum loading capacity of 2.5 mgd, which is projected to recover the lake by greater than 1.0' over a long-term basis. Final modeling results will be available in March 2021 and staff will confirm the final project ranking prior to the April Sub-committee meetings.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$253,500	$2,700,000	$2,953,500
Haines City	$0	$253,500	$2,700,000	$2,953,500
Total	**$0**	**$507,000**	**$5,400,000**	**$5,907,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q286	Study – Lake Parker Restoration	
City of Lakeland		FY2022

Risk Level:	Type 3	Multi-Year Contract: No

Description

Description:	A feasibility study to identify opportunities within a 200-acre area west of Lake Parker for natural systems restoration and hydrologic restoration to reduce nutrients and improve water quality to Lake Parker. This project will quantify benefits and develop cost estimates.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study.
Costs:	Total Project Cost: $160,000 (Study) City of Lakeland: $80,000 District: $80,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	The project benefit is the assessment of opportunities to improve Lake Parker, including water quality, flood protection and natural systems enhancement/restoration.
Cost Effectiveness:	High	The cost effectiveness for this study is comparable to past projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	Medium	**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.

Overall Ranking and Recommendation

Fund as a Medium Priority	The Governor's Executive Order 19-12 instructs the five water management district to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions. This feasibility study is consistent with that directive, is cost effective and will investigate and identify opportunities to improve water quality and natural systems within the Lake Parker watershed.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$80,000	$0	$80,000
City of Lakeland	$0	$80,000	$0	$80,000
Total	**$0**	**$160,000**	**$0**	**$160,000**

Project No. W518	Restoration – Lake Hancock Natural Systems Enhancements	
Polk County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** No

Description	
Description:	Design, permitting and construction to establish a minimum of 35 acres of planted native emergent and submerged aquatic vegetation within Lake Hancock.
Measurable Benefit:	The contractual Measurable Benefit will be the establishment of a minimum of 35 acres of planted native emergent and/or submersed aquatic vegetation within Lake Hancock.
Costs:	Total Project Cost: $420,000 (design, permitting, construction) Polk County: $210,000 District: $210,000

Evaluation		
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.
Project Benefit:	Medium	The benefit of the project is the restoration and enhancement of approximately 35 acres of emergent and submerged wetlands in Lake Hancock, which is within the Charlotte Harbor Watershed, a SWIM priority water body. This project provides ancillary water quality benefits.
Cost Effectiveness:	High	The estimated cost/acre is below the historical average of $53,326/acre for Natural Systems Restoration.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 ongoing projects.
Complementary Efforts:	High	Applicant has an environmentally sensitive land purchase program, an exotic removal/treatment program, and maintains “nature parks” or “open space” within its park system, as well as other complimentary efforts that preserve or restore natural systems.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	Medium	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources.

Overall Ranking and Recommendation	
Fund as a Medium Priority	The project is cost effective and enhances natural systems in Lake Hancock, which is within the Charlotte Harbor Watershed, a SWIM priority water body. This project provides ancillary water quality benefits.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$210,000	$0	$210,000
Polk County	$0	$210,000	$0	$210,000
Total	**$0**	**$420,000**	**$0**	**$420,000**

Project No. W520	Study – Upper Peace River Feasibility	
Polk County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** No

Description	
Description:	Complete a feasibility study along the Upper Peace River, from Lake Hancock south to the Polk/Hardee County line. This study will identify and prioritize feasible restoration opportunities to improve water quality, flood protection, and natural systems. The project will quantify benefits and develop cost estimates. Due to the limited availability for surface water in this region, and competing interests for this limited resource, we will require multijurisdictional coordination between the local governments and the PRWC. This coordination will enhance regional planning for this limited resource.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a feasibility study that will identify and prioritize feasible restoration opportunities to improve water quality, flood protection, and natural systems.
Costs:	Total project cost $120,000 (study) Polk County $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:	Medium	The project benefit is a study that will evaluate restoration alternatives along the Peace River, from Lake Hancock south to the Polk/Hardee County line.
Cost Effectiveness:	High	The cost effectiveness for this study is comparable to past projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 ongoing projects.
Complementary Efforts:	High	The county has an environmentally sensitive lands purchase program, exotic removal and treatment programs, and other complementary efforts that preserve or restore natural systems. Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Southern Region Priority:** Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation	
Fund as a Medium Priority	The project will identify possible restoration opportunities along the Upper Peace River, from Lake Hancock south to the Polk/Hardee County line. The study will produce BMP alternatives and conceptual cost estimates to improve water quality, flood protection and natural systems. The majority of the area of interest exists within the Charlotte Harbor Watershed, a SWIM priority water body. Due to the limited availability for surface water in this region, and competing interests for this limited resource, we will require multijurisdictional coordination between the local governments and the PRWC. This coordination will enhance regional planning for this limited resource.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$60,000	$0	$60,000
Polk County	$0	$60,000	$0	$60,000
Total	**$0**	**$120,000**	**$0**	**$120,000**

Project No. W564	Study – Ridge to Rivers Feasibility	
Polk County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Development of a feasibility and prioritization study to identify opportunities for water quality improvements, increased recharge, and habitat enhancement in an area of interest generally described as southern central Polk County. The project will quantify benefits and develop cost estimates. Due to the limited availability for surface water in this region, and competing interests for this limited resource, we will require multijurisdictional coordination between the local governments and the PRWC. This coordination will enhance regional planning for this limited resource.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study.
Costs:	Total Project Cost: $320,000 (Study) Polk County: $160,000 District: $160,000

Evaluation

Application Quality:	High	Application included the information requested in the CFI Guideline.
Project Benefit:	Medium	The project benefit is the identification and prioritization of improvements to natural systems, water quality, and recharge within the defined area of interest.
Cost Effectiveness:	Medium	The cost of this study is slightly higher than similar studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 11 ongoing projects.
Complementary Efforts:	High	Applicant has an Environmentally Sensitive Lands Purchase Program, exotic removal and treatment programs, Adopt a Road Program, maintains "nature parks" and "open space" and other complementary efforts that preserve or restore natural systems. Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	The project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Southern Region Priority:** Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as a Medium Priority	This study will produce BMP alternatives and conceptual cost estimates to address issues within a large area of interest focused on improvements in natural systems, water quality, and identify opportunities to increase surface water recharge within the southern water use caution area. The project will quantify benefits and develop cost estimates. The majority of the area of interest exists within the Charlotte Harbor watershed, a SWIM Priority Water Body. Due to the limited availability for surface water in this region, and competing interests for this limited resource, we will require multi-jurisdictional coordination between the local governments and the PRWC. This coordination will enhance regional planning for this limited resource.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$160,000	$0	$160,000
Polk County	$0	$160,000	$0	$160,000
Total	**$0**	**$320,000**	**$0**	**$320,000**

Project No. Q184	Brackish – Polk Regional Water Cooperative Southeast Wellfield Implementation
Polk Regional Water Cooperative	FY2022

Risk Level:	Type 2	Multi-Year Contract: Yes, Year 2 of 7

Description	
Description:	Final design, permitting, and construction of the Southeast Wellfield Water Treatment Facility. Project components include a reverse osmosis facility, brackish water wellfield, and concentrate disposal wells located east of Lake Wales. The request includes the first two construction phases of the Southeast Wellfield projects for an initial 7.5 mgd finished water capacity followed by a 5 mgd increase to 12.5 mgd capacity. The project will provide alternative water supply for participating members of the Polk Regional Water Cooperative, which will be delivered by a regional transmission system developed as a companion project (Q216) and builds upon the conceptual and preliminary design funded under project N905.
Measurable Benefit:	The contractual Measurable Benefit will be an alternative supply project providing 12.5 mgd for use by PRWC project partners to reduce stress on the Upper Floridan aquifer.
Costs:	Total conceptual project cost: $180,493,000 (final design, permitting, and construction) PRWC: $90,246,500 District: $90,246,500 with $6,750,000 budgeted in previous years, $42,772,000 requested for FY2022, and $40,724,500 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	Substantial resource benefit expected from the development of regional alternative water supply to reduce stress on the Upper Floridan aquifer, lakes, and wetlands.
Cost Effectiveness:	Medium	The cost effectiveness for the Southeast Wellfield Water Treatment Facility with combined phases 1 and 2 are medium based on staff evaluation guidelines and conceptual design costs. The capital cost per 12.5 mgd capacity developed is $14.44, which is within the medium effectiveness range of $10 to $15.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.
Complementary Efforts:	High	Applicant will provide wholesale alternative Water Supplies to participating PRWC Members.
Project Readiness:	Low	The project received FY2021 funding, but has not yet commenced.

Strategic Goals		
Strategic Goals:		

Overall Ranking and Recommendation	
Low Priority Not Recommended for funding	Staff continue to support this project but due to delays in securing funding commitments from PRWC member governments and anticipated changes to design capacity, the project's second-year funding request is currently ranked low. The requested amount includes construction funding that likely will not be expended in FY2022. If funding commitment issues can be resolved and revised project design, schedule and costs are provided to the District, staff would consider an improved ranking. Staff recommend that this project be presented to the full Governing Board in May 2021 for further consideration.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$6,750,000	$42,772,000	$40,724,500	$90,246,500
Polk Regional Water Cooperative	$6,750,000	$42,772,000	$40,724,500	$90,246,500
Total	**$13,500,000**	**$85,544,000**	**$81,449,000**	**$180,493,000**

Project No. Q216	**Interconnects – Polk Regional Water Cooperative Regional Transmission Southeast Phase 1**
Polk Regional Water Cooperative	FY2022

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

Description

Description:	Final design, permitting, and construction of the Southeast Wellfield Regional Transmission System, Phase 1. Project components include a pipeline system extending from the Southeast Wellfield Water Treatment Facility located east of Lake Wales to multiple municipalities along the US-27 corridor. A future phase will extend to municipalities near the Hwy-60 corridor. This project will deliver alternative water supply to members of the Polk Regional Water Cooperative, which will be developed through a companion project, the Southeast Wellfield Implementation Project (Q184), and builds upon the conceptual and preliminary design funded under project N905.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a regional transmission system capable of delivering 7.5 mgd of alternative water supplies and allowing future expansions, promoting regional resource management efforts, and supporting water supply goals within the SWUCA.
Costs:	Total Conceptual Project Cost: $106,088,300 (final design, permitting, and construction) PRWC: $53,044,150 District: $53,044,150 with $4,950,000 budgeted in previous years, $31,542,000 requested in FY2022, and $16,552,150 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	Substantial resource benefit expected from the transmission of regional alternative water supply to reduce stress on the Upper Floridan aquifer, lakes, and wetlands.
Cost Effectiveness:	Medium	The cost effectiveness is in the medium range of typical regional transmission projects based on staff evaluation of itemized component costs by pipe diameters and length, terrain types, and construction methods.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.
Complementary Efforts:	High	Applicant will provide wholesale alternative water supplies to participating PRWC Members.
Project Readiness:	Low	The project received FY2021 funding but has not yet commenced.

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	Staff continue to support this project but due to delays in securing funding commitments from PRWC member governments and anticipated changes to design capacity, the project's second-year funding request is currently ranked low. The requested amount includes construction funding that likely will not be expended in FY2022. If funding commitment issues can be resolved and revised project design, schedule and costs are provided to the District, staff would consider an improved ranking. Staff recommend that this project be presented to the full Governing Board in May 2021 for further consideration.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$4,950,000	$31,542,000	$16,552,150	$53,044,150
Polk Regional Water Cooperative	$4,950,000	$31,542,000	$16,552,150	$53,044,150
Total	**$9,900,000**	**$63,084,000**	**$33,104,300**	**$106,088,300**

Project No. Q267	Conservation – PRWC Demand Management Implementation
Polk Regional Water Cooperative	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Make available financial incentives and services to residential and commercial customers for up to nine conservation activities, including: high-efficiency toilet rebates; 0.5 gallon per flush urinals; enhanced conservation kits, standard conservation kits, vouchers for toilet and installation, soil moisture sensors, evapotranspiration (ET) irrigation controllers, landscape irrigation audits, and rain sensors. Also included is program promotion and administrative costs to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow. The Polk Regional Water Cooperative (PRWC) is collaborating with its members to implement and oversee the project.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Costs: $205,358 PRWC: $102,679 District: $102,679

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 benefit of the project is the conservation of approximately 12,519 - 64,622 gallons per day in the Southern Water Use Caution Area (SWUCA) and the Central Florida Water Initiative (CFWI). Savings will vary based on the participation rate across the nine possible conservation activities.
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.
Complementary Efforts:	High	PRWC encourages, tracks, and provides planning and coordination for water conservation amongst its members.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	Staff continue to support this project, but due to delays in securing funding commitments from PRWC member governments and anticipated changes to design capacity for Alternative Water Supply (AWS) implementation projects, this funding request is currently ranked low. Direction was provided at the District's March 2021 Governing Board meeting to postpone recommending any further funding for the PRWC until the following three items are addressed; an executed settlement relative to the CFWI Rule Challenge, clearly defined size and scope for future AWS projects, and signed implementation agreements by PRWC members signifying their commitment to participating in AWS development

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$102,679	$0	$102,679
Polk Regional Water Cooperative	$0	$102,679	$0	$102,679
Total	**$0**	**$205,358**	**$0**	**$205,358**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Northern Region

FY2022 Cooperative Funding Initiative

Final Evaluations and Rankings

Project No. Q075	Restoration – Pasture Reserve
Lake County	FY2022

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

Description

Description:	Design, permitting and construction of restored uplands and wetlands, including cypress strands, marsh, mixed forested wetlands, pasture and pine flatwoods. The Cooperator will be required to convey a conservation easement over the project area to the District.
Measurable Benefit:	The contractual Measurable Benefit is the restoration and enhancement of 810 acres of uplands and wetlands. Construction will be done in accordance with permitted plans.
Costs:	Total Project Cost: $1,000,000 (Design, permitting, construction) Lake County: $500,000 District: $500,000 with $200,000 budgeted in previous years and $300,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit of the project is the hydrologic restoration and enhancement of approximately 810 acres of uplands and wetlands in Pasture Reserve.
Cost Effectiveness:	High	The estimated cost/acre is below the historical average of $53,326/acre for Natural Systems Restoration.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	Applicant has exotic removal/treatment Program(s), maintains “nature parks” or “open space” within its park system, and the applicant has other complementary efforts that preserve or restore natural systems.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project is cost effective and will restore 810 acres of upland and wetland natural systems and hydrology, increasing aquifer recharge.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$200,000	$300,000	$0	$500,000
Lake County	$200,000	$300,000	$0	$500,000
Total	**$400,000**	**$600,000**	**$0**	**$1,000,000**

Project No. Q082	WMP - Wildwood Watershed Management Plan	
Wildwood		FY2022
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 3 of 3

Description	
Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practice (BMP) alternative analysis for the Wildwood Watershed in Sumter County. FY2022 funding will be utilized to complete the LOS, SWRA, and BMP phase of the project.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $170,000 City of Wildwood: $85,000 District: $85,000 with $70,000 budgeted in previous years and $15,000 requested in FY2022.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	High	Project cost per square mile is below the historic costs ($69,100 / 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 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 - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

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 enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$70,000	$15,000	$0	$85,000
Wildwood	$70,000	$15,000	$0	$85,000
Total	**$140,000**	**$30,000**	**$0**	**$170,000**

Project No. Q086	WMP – Dunnellon Watershed Management Plan
Dunnellon	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practice (BMP) alternative analysis for the Dunnellon Watershed in Marion County. FY2022 funding will be utilized to complete the floodplain analysis, LOS, SWRA, and BMP elements of the project.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $285,000 City of Dunnellon: $142,500 District: $142,500 with $95,000 budgeted in previous years and $47,500 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($22,605 - $45,500 /sq mi) for WMPs completed in mixed watersheds.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator does not participate in the CRS Program.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project identifies flood risk in an area with some 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 enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$95,000	$47,500	$0	$142,500
Dunnellon	$95,000	$47,500	$0	$142,500
Total	**$190,000**	**$95,000**	**$0**	**$285,000**

Project No. Q167	WMP – Red Level Watershed Management Plan
Citrus County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 2 of 3

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practice (BMP) alternative analysis for the Red Level Watershed in Citrus County. FY2022 funding will be utilized to complete the watershed evaluation and begin the floodplain analysis phase of the project.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $500,000 Citrus County: $250,000 District: $250,000 with $100,000 budgeted in previous years, $75,000 requested in FY2022, and $75,000 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 and water quality problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($23,700 - $45,500 / sq mi) for WMPs completed in mixed watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

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	FY2022	Future	Total
District	$100,000	$75,000	$75,000	$250,000
Citrus County	$100,000	$75,000	$75,000	$250,000
Total	**$200,000**	**$150,000**	**$150,000**	**$500,000**

Project No. Q197	SW IMP – Flood Protection – John Henry Celebration Park Stormwater Improvements
City of Williston	FY2022

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

Description

Description:	Design, permitting, and construction of stormwater improvements for the City-owned John Henry Park. Flooding occurs in the park and adjacent properties due to low topography and undersized stormwater infrastructure. The FY2022 funding request is to complete construction of the project.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of design, permitting, and construction of the proposed stormwater improvement to relieve flooding at John Henry Park and adjacent properties. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $963,000 (design, permitting, and construction) City of Williston: $240,750 (REDI Eligible Community) District: $722,250 with $300,000 budgeted in previous years and $422,250 requested in FY2022.

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. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
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 the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Low	Cooperator is not participating in the CRS program at this time.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project will provide flood protection for structures and streets during the 100-year, 24-hour storm event at John Henry Park and adjacent properties and reduce pollutant loads. City of Williston qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under the Cooperative Funding Initiative Governing Board Policy, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$300,000	$422,250	$0	$722,250
City of Williston	$100,000	$140,750	$0	$240,750
Total	**$400,000**	**$563,000**	**$0**	**$963,000**

Project No. Q231	WMP – Rainbow River Watershed Management Plan Update
Marion County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 1 of 4

Description	
Description:	Complete a Watershed Management Plan (WMP) update for the Rainbow River Watershed in Marion County, including Watershed Evaluation, Floodplain Analysis, and Alternatives Analysis. FY2022 funding will be used to begin the Watershed Evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of an updated WMP and floodplain delineation using digital topographic information, permit data, and land use updates.
Costs:	Total project cost: $1,538,000 Marion County: $769,000 District: $769,000 with $153,800 requested in FY2022 and $615,200 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 re-evaluate flooding problems that exist in the watershed. Currently flood analysis models are available, the watershed has experienced moderate changes since last study, and the watershed includes regional or intermediate stormwater systems. The Rainbow River Watershed is one of the District's top 20 priority watersheds for WMP updates.
Cost Effectiveness:	Medium	Project cost per square mile is within the mid-range of historic costs ($15,001 - $22,000 / sq mi) for WMP updates completed in mixed watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System is 7 and is in the 6 to 9 range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

Overall Ranking and Recommendation	
Fund as a High 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 to enhance the planning of future development in the project area. The Rainbow River Watershed is one of the District's top 20 priority watersheds for WMP updates.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$153,800	$615,200	$769,000
Marion County	$0	$153,800	$615,200	$769,000
Total	**$0**	**$307,600**	**$1,230,400**	**$1,538,000**

Project No. Q254	Conservation – Citrus County Water Conservation Program
Citrus County	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description	
Description:	Make available financial incentives and services to customers for up to three conservation activities, including: residential high-efficiency toilets, residential Water Sense Labeled irrigation controllers and necessary components, and non-residential water use evaluations with a Water Sense Labeled irrigation controller and/or rain sensor where feasible and none exists. Also included are educational materials, program promotion, and surveys to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total project cost: $93,200 Citrus County: $46,600 District: $46,600

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 conservation of approximately 16,740 to 17,677 gallons per day in the Northern Planning Region. Savings will vary based on the participation rate across the 3 possible conservation activities.
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	Applicant has the complementary efforts of: has adopted an ordinance to support year-round 1-day per week irrigation restriction, actively enforces irrigation restrictions, and has an active conservation program.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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

Overall Ranking and Recommendation	
Fund as a High Priority	Project will conserve potable water in the Northern Planning Region and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$46,600	$0	$46,600
Citrus County	$0	$46,600	$0	$46,600
Total	**$0**	**$93,200**	**$0**	**$93,200**

Project No. Q255	Conservation – Bay Laurel CCD Water Conservation Program
BLCCDD	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Make available financial incentives and services to residential and commercial customers for up to four conservation activities, including: replacing inefficient residential toilets with 1.28 gallon per flush high-efficiency toilets; replacing high volume shower heads with 2.0 gallons per minute WaterSense labeled showerheads; installation of evapotranspiration (ET) irrigation controllers; and landscape irrigation audits. Also included is program promotion to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total project cost: $329,500 BLCCDD share: $164,750 District: $164,750

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 conservation of approximately 27,492-35,958 gallons per day in the Northern Planning Region.
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.01 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has the complementary efforts of having an active conservation program, having water loss less than the District average, and being in the process of adopting high efficiency standards for new construction.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals

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

Overall Ranking and Recommendation

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

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$164,750	$0	$164,750
BLCCDD	$0	$164,750	$0	$164,750
Total	**$0**	**$329,500**	**$0**	**$329,500**

Project No. WR10	SW IMP – Water Quality – Rainbow Springs 5th Replat Stormwater Retrofit
Marion County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description	
Description:	Construction of stormwater BMP retrofits to improve water quality discharging into Rainbow Springs, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMP retrofits to improve water quality discharging into Rainbow Springs from approximately 58 acres of residential watershed. Construction will be done in accordance with permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $848,094 (construction) Marion County: $424,047 District: $424,047

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of the project is the reduction of Total Nitrogen loads to the Rainbow Springs by an estimated 102 lbs/yr.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is between the historical average cost of $176 and $475/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Northern Region Priority:** Improve Northern coastal spring systems.

Overall Ranking and Recommendation	
Fund as a High Priority	This project is cost effective and improves water quality discharging to Rainbow Springs, a SWIM priority water body. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$424,047	$0	$424,047
Marion County	$0	$424,047	$0	$424,047
Total	**$0**	**$848,094**	**$0**	**$848,094**

Project No. WR11	Springs – Marion County State Road 200 Septic to Sewer Project
Marion County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	Design, permitting and construction of municipal sewer system connections including connection and impact fees, tank abandonment, and necessary components located within the Rainbow River Basin Management Action Plan (BMAP).
Measurable Benefit:	The contractual Measurable Benefit will be the proper abandonment of 5 commercial septic tanks and the connection of the 4 associated parcels to an existing force main. Construction will be done in accordance with the permitted plans.
Costs:	Total Project Cost: $712,929 (Design, Permitting, Construction, Connection Fees and Impact Fees) FDEP Springs Funding: $356,464.50 District: $178,232.25 Marion County: $178,232.25 (including connection and impact fees to be used as Cooperator match)

Evaluation

Application Quality:	Medium	Application included most of the required information in the CFI Guidelines. District PM/CM had to work with the County to obtain remaining information.
Project Benefit:	Medium	The resource benefit, if constructed, is the reduction of pollutant loads by an estimated 367 lbs./yr TN. There will be no monitoring or performance testing requirements. The project is located within the Rainbow River BMAP.
Cost Effectiveness:	High	For wastewater projects, the estimated cost/lb of TN ($64.78) is lower than the cost of $176/lb for District funded water quality projects. On average, this project allocates approximately $142,585.80 for each commercial septic tank removed.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Low	The Cooperator does not have an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability or in line with the District's other controls.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Northern Region Priority:** Improve northern coastal spring systems.

Overall Ranking and Recommendation

Fund as a High Priority	The project is located within the Rainbow River BMAP, but is outside the Priority Focus Area (PFA). The project includes connection and impact fees which will not be a reimbursable item, but can be used as the County's match. Based on direction at the March 23, 2021 Governing Board meeting, CFI eligibility for septic to sewer projects was expanded to the entire BMAP for the Rainbow River Springshed. An ordinance will be required preventing new conventional septic systems on lots less than 1 acre within the BMAP along with other ordinances outlined in the District's CFI Guidelines. If selected for funding, the District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$178,232	$0	$178,232
Marion County	$0	$178,232	$0	$178,232
FDEP Springs	$0	$356,464	$0	$356,464
Total	**$0**	**$712,929**	**$0**	**$712,929**

Project No. WW10	Springs – Hernando County Septic to Sewer District A, Phase 1b
Hernando County	FY2022

Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	30% design and third-party review of a regional wastewater collection system necessary for connection of existing residential homes in the Weeki Wachee Priority Focus Area (PFA). If constructed, a minimum of 224 existing septic systems will convert to sanitary sewer. The FY2022 funding request is for completion of 30% design and third-party review (TPR) as this project has an estimated cost greater than $5 million dollars. Governing Board approval of the TPR is required prior to initiating final design and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of 30% design of the proposed project for construction of a regional wastewater collection system.
Costs:	Total Project Cost: $1,666,667 (30% design, third-party review and additional design) Hernando County share: $250,000 District share: $250,000; The conceptual estimate for total project cost, including design completion, permitting and construction is $11,500,000. It is anticipated the County will request funding to complete design, permitting and construction in future years. FDEP share: $1,166,667 (additional design); $6,883,333 anticipated to be budgeted 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 water quality project is the reduction of pollutant loads by an estimated 2,305 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the PFA of the Weeki Wachee basin management action plan (BMAP), a SWIM priority water body.
Cost Effectiveness:	Medium	For wastewater projects, the estimated cost/lb of TN ($166) is lower than the average cost of $176/lb for District funded water quality projects and is above what would be considered a highly effective project of $100/lb. On average, this project allocates approximately $51,339 for each residential septic tank removed.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Low	This project does not have a local ordinance in place in line with Section 381.0065, Florida Statutes, requiring sewage hookup within 365 days of availability.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Northern Region Priority:** Improve Northern coastal spring systems.

Overall Ranking and Recommendation

Fund as a High Priority	The requested funds are to complete 30% design and TPR. The results will provide the District with better information to confirm the cost effectiveness of the project. This project is located within the Weeki Wachee PFA, a SWIM priority water body, and continues the County's efforts to improve water quality. If selected for funding, the District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$250,000	$1,475,000	$1,725,000
Hernando County	$0	$250,000	$1,475,000	$1,725,000
FDEP	$0	$1,166,667	$6,883,333	$8,050,000
Total	**$0**	**$1,666,667**	**$9,833,333**	**$11,500,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q207	WMP – West Ocala WMP Update
Marion County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 1 of 2

Description	
Description:	Complete a Watershed Management Plan (WMP) update for the West Ocala Watershed in Marion County, including watershed evaluation, floodplain analysis, and alternatives analysis. FY2022 funding will be used to begin the watershed evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of an updated WMP and floodplain delineation using digital topographic information, permit data, and land use updates.
Costs:	Total project cost: $444,000 Marion County: $222,000 District: $222,000 with $111,000 requested in FY2022 and $111,000 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	The WMP will re-evaluate flooding problems that exist in the watershed. Currently flood analysis models are available, the watershed has experienced moderate changes since last study, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is within the mid-range of historic costs ($15,001 - $22,000 / sq mi) for WMP updates completed in mixed watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System is 7 and is in the 6 to 9 range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

Overall Ranking and Recommendation	
Fund as a 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 to enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$111,000	$111,000	$222,000
Marion County	$0	$111,000	$111,000	$222,000
Total	**$0**	**$222,000**	**$222,000**	**$444,000**

Project No. Q230	WMP – Gum Swamp & Big Jones Creek Watershed Management Plan Update
Marion County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 1 of 4

Description

Description:	Complete a Watershed Management Plan (WMP) update for the Gum Swamp & Big Jones Creek Watershed in Marion County, including Watershed Evaluation, Floodplain Analysis, and Alternatives Analysis. FY2022 funding will be used to begin the Watershed Evaluation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of an updated WMP and floodplain delineation using digital topographic information, permit data, and land use updates.
Costs:	Total project cost: $1,015,000 Marion County: $507,500 District: $507,500 with $126,875 requested in FY2022 and $380,625 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	The WMP will re-evaluate flooding problems that exist in the watershed. Currently flood analysis models are available, the watershed has experienced moderate changes since last study, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is within the mid-range of historic costs ($15,001 - $22,000 / sq mi) for WMP updates completed in mixed watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System is 7 and is in the 6 to 9 range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

Overall Ranking and Recommendation

Fund as a 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 to enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$126,875	$380,625	$507,500
Marion County	$0	$126,875	$380,625	$507,500
Total	**$0**	**$253,750**	**$761,250**	**$1,015,000**

Project No. WH06	Springs – Citrus County Old Homosassa Downtown North Septic to Sewer
Citrus County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	30% design and third-party review (TPR) of a regional wastewater collection system necessary for connection of existing properties within the Homosassa-Chassahowitzka Priority Focus Area (PFA). If constructed, a minimum of 135 existing septic systems will convert to sewer. District funding is for 30% design and TPR as this project has an estimate greater than $5 million dollars.
Measurable Benefit:	The contractual Measurable Benefit of this project will be the completion of 30% design of this proposed project to construct a regional wastewater collection system.
Costs:	Total project cost: $1,000,000 (30% design, third-party review and additional design) Citrus County: $250,000 District: $250,000; The conceptual estimate for total project costs, including design completion, permitting, and construction is $12,035,000. It is anticipated the County will request funding to complete design, permitting and construction in future years. FDEP share: $500,000 (additional design); $5,517,500 anticipated to be budgeted 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 County to obtain remaining required information.
Project Benefit:	Medium	The resource benefit, if constructed, is the reduction of pollutant loads by an estimated 1,389 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the PFA of the Chassahowitzka-Homosassa Springs basin management action plan. This benefit calculation differs from standard FDEP methodology as this project will impact the Homosassa River instead of the nearby spring vents.
Cost Effectiveness:	Low	For wastewater projects, the estimated cost/lb of TN ($288.74) is higher than the cost of $176/lb for District funded water quality projects. On average, this project allocates approximately $89,148 for each residential septic tank removed.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	Medium	The Cooperator has an ordinance in line with F.S. 381.00655 to require sewage hookup within 365 days of availability.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Northern Region Priority:** Improve Northern coastal spring systems.

Overall Ranking and Recommendation

Fund as a Medium Priority	Requested funds are to complete 30% design and TPR. The results will provide the District with better information to confirm the cost effectiveness of the project. This project is located within the Chassahowitzka-Homosassa PFA and continues the County's efforts to improve water quality. The project's lower cost effectiveness is primarily due to increased costs of construction within the unique karst geology of the project area. Given the proximity of the project within the Homsoassa Springs complex and Homosassa River, and the ability to further reduce nutrient loading to these systems, the overall project is ranked as Medium. If selected for funding, the District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$250,000	$2,758,750	$3,008,750
Citrus County	$0	$250,000	$2,758,750	$3,008,750
FDEP	$0	$500,000	$5,517,500	$6,017,500
Total	**$0**	**$1,000,000**	**$11,035,000**	**$12,035,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q224	WMP – East Citrus/Withlacoochee Watershed Management Plan
Citrus County	FY2022

Risk Level:	Type 4	Multi-Year Contract: No

Description

Description:	Complete the alternative analysis portion of the Watershed Management Plan (WMP) for the East Citrus / Withlacoochee Watershed in Citrus County. Governing Board approved floodplains were developed in September 2015. Requested FY2022 funds would have been used to complete the alternative analysis tasks including stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practice (BMP) alternative analysis.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of an alternative analysis to better identify risk of flood damage and cost effective alternatives for water quantity and quality deficiencies.
Costs:	Total project cost: $200,000 Citrus County: $100,000 District: $100,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Low	The project does not provide additional beneficial information. The area north of SR44 is within the Crystal River, Kings Bay, Chassahowitska and Homosassa Springshed Primary Focus Areas (PFA). It is generally known that nutrient loadings would be improved when septic systems are converted to a more centralized or advanced treatment systems. The SWRA would likely not provide new findings. Majority of the watershed is within the Tsala Apopka Chain of Lakes, which is managed by water control structures. The LOS would likely not reanalyze the operation schedule of the structures.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($2,001 - $4,000 / sq mi) for WMPs completed in rural watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 6 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	The project is not cost effective as the overall cost outweighs the benefits and does not provide additional beneficial information.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$100,000	$0	$100,000
Citrus County	$0	$100,000	$0	$100,000
Total	**$0**	**$200,000**	**$0**	**$200,000**

Project No. Q264	Conservation – Bay Laurel Turf Grass Reduction Project
BLCCDD	FY2022

Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Make available financial incentives to residential and commercial customers for the reduction of approximately 150,000 square feet of irrigated turf using Florida friendly landscaping techniques. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.
Measurable Benefit:	The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.
Costs:	Total project cost: $150,000 BLCCDD: $75,000 District: $75,000

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 conservation of approximately 9,726 gallons per day in the Northern Planning Region.
Cost Effectiveness:	Low	Project is not cost effective.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Applicant has the complementary efforts of having an active conservation program, having water loss less than the District average, and being in the process of adopting high efficiency standards for new construction.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	Project will conserve potable water supply in the Northern Planning Region but is not cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$75,000	$0	$75,000
BLCCDD	$0	$75,000	$0	$75,000
Total	**$0**	**$150,000**	**$0**	**$150,000**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Southern Region

FY2022 Cooperative Funding Initiative

Final Evaluations and Rankings

Project No. Q141	SW IMP - Flood Protection - Bowlees Creek Flood Mitigation
Manatee County	FY2022

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

Description	
Description:	Design, permitting, and construction of one automated weir structure and one baffle box at Lake Brendan Outfall, one automated weir structure on the downstream weir near the Sara Bay Golf Course, lowering the weir north of Lake Brendan, and reclaimed water irrigation line connection within the Bowlees Creek Watershed. The area experiences severe flooding and currently there are two concrete weirs that provide irrigation water to the Sara Bay Golf Course. FY2022 funding will be utilized to complete the construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the design, permitting, and construction of stormwater improvement BMPs in the Shady Brook/Sara Bay Golf area within the Bowlees Creek Watershed. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $559,410 (design, permitting, and construction) Manatee County: $279,705 District: $279,705 with $139,852 budgeted in previous years and $139,853 requested in FY2022.

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 existing flooding problems during the 100-yr, 24-hr storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
Cost Effectiveness:	High	Benefit/Cost ratio is greater than or equal to 1.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less 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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource

Overall Ranking and Recommendation	
Fund as 1A Priority	This ongoing project reduces structure and street flooding in the Shady Brook/Sara Bay area in Manatee County and provides ancillary water quality benefits.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$139,852	$139,853	$0	$279,705
Manatee County	$139,852	$139,853	$0	$279,705
Total	**$279,704**	**$279,706**	**$0**	**$559,410**

Project No. Q148	WMP - Cow Pen Slough Watershed
Manatee County	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practices (BMP) alternative analysis for the Cow Pen Slough Watershed in Manatee County. FY2022 funding will be utilized to finish the watershed evaluation, floodplain analysis, LOS, SWRA, and BMP tasks.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $540,000 Manatee County: $270,000 District: $270,000 with $135,000 budgeted in previous years and $135,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding and water quality problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs ($22,605-$45,500/sq. mi.) for WMPs completed in mixed watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project identifies flood risk in an area with limited 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 enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$135,000	$135,000	$0	$270,000
Manatee County	$135,000	$135,000	$0	$270,000
Total	**$270,000**	**$270,000**	**$0**	**$540,000**

Project No. Q151	WMP - South Manatee County Watersheds	
Manatee County		FY2022
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practices (BMP) alternative analysis for the South Manatee County Watersheds in Manatee County. FY2022 funding will be utilized to finish the watershed evaluation, floodplain analysis, LOS, SWRA, and BMP tasks.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $1,488,000 Manatee County: $744,000 District: $744,000 with $372,000 budgeted in previous years and $372,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding and water quality 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 of historic costs (less than $69,100/sq. mi.) for WMPs completed in urban watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project identifies flood risk in an area with limited 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 enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$372,000	$372,000	$0	$744,000
Manatee County	$372,000	$372,000	$0	$744,000
Total	**$744,000**	**$744,000**	**$0**	**$1,488,000**

Project No. Q157	**SW IMP – Flood Protection – City of Bradenton Village of the Arts South Drainage Improvements**
City of Bradenton	FY2022

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

Description	
Description:	Design, permitting, and construction of a stormwater system for the Village of the Arts neighborhood within the Wares Creek Watershed in the City of Bradenton. Stormwater runoff from the area overflows to Wares Creek which often lacks sufficient capacity to prevent flooding in the Village of the Arts neighborhood. Village of the Arts does not have a stormwater system and experiences severe structure and street flooding. FY2022 funding will be utilized to begin the construction phase.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the design, permitting, and construction of new stormwater conveyance and storage systems within the Wares Creek subwatershed. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $2,340,000 (design, permitting, and construction) City of Bradenton: $1,170,000 District: $1,170,000 with $100,000 budgeted in previous years, $297,441 requested in FY2022, and $772,559 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 problems during the 100-year, 24-hour storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
Cost Effectiveness:	Low	Benefit/Cost ratio is slightly less than 0.7 (0.66).
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource

Overall Ranking and Recommendation	
Fund as 1A Priority	This ongoing project provides a reduction of structure and street flooding for the 100-year, 24-hour event in the Village of the Arts neighborhood. An additional water quality benefit has been demonstrated.

Funding

Funding Source	**Prior**	**FY2022**	**Future**	**Total**
District	$100,000	$297,441	$772,559	$1,170,000
City of Bradenton	$100,000	$297,441	$772,559	$1,170,000
Total	**$200,000**	**$594,882**	**$1,545,118**	**$2,340,000**

Project No. Q191	WMP – North Manatee County Watersheds
Manatee County	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) including floodplain analysis, stormwater level of service analysis (LOS), surface water resource assessment (SWRA), and best management practices (BMP) alternative analysis for the North Manatee County Watersheds in Manatee County. FY2022 funding will be utilized to finish the watershed evaluation, floodplain analysis, LOS, SWRA, and BMP tasks.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
Costs:	Total project cost: $1,534,500 Manatee County: $767,250 District: $767,250 with $383,625 budgeted in previous years and $383,625 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The WMP will analyze flooding and water quality 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 of historic costs (less than $69,100/sq. mi.) for WMPs completed in urban watersheds.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project identifies flood risk in an area with limited 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 enhance the planning of future development in the project area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$383,625	$383,625	$0	$767,250
Manatee County	$383,625	$383,625	$0	$767,250
Total	**$767,250**	**$767,250**	**$0**	**$1,534,500**

Project No. Q202	Study – PRMRWSA Southern Regional Loop Phase 2B & 2C Feasibility and Routing
PRMRWSA	FY2022

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

Description	
Description:	A feasibility study to evaluate the route options and infrastructure requirements that will enable installation of the southern loop between the Authority's regional transmission system at Serris Boulevard in Charlotte County and the Carlton Water Treatment Facility in Sarasota County. Work will include evaluation of pipeline routing, sizing, new pumping and chemical addition facility and any required modifications to support this system interconnection project, and cost estimation.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a feasibility study that produces pipeline route options, infrastructure requirements and the cost of extending the regional water transmission system.
Costs:	Total project cost: $400,000 PRMRWSA: $200,000 District: $200,000 with $150,000 requested in previous years and and $50,000 requested in FY2022.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is information to address the optimal pipeline route a well as the most cost effective way to improve regional delivery of AWS water to the central and western portions of Charlotte County's service area.
Cost Effectiveness:	High	The cost effectiveness is reasonable and consistent with the District 's costs for AWS feasibility studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee, and Sarasota Counties and the City of North Port.
Project Readiness:	High	Project is ongoing and on schedule.

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

Overall Ranking and Recommendation	
Fund as 1A Priority	This feasibility study will support the expansion of the PRMRWSA regional transmission system. This interconnection will improve regional and local system reliability and resource sharing options.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$150,000	$50,000	$0	$200,000
PRMRWSA	$150,000	$50,000	$0	$200,000
Total	**$300,000**	**$100,000**	**$0**	**$400,000**

Project No. Q205	Study – PRMRWSA Phase 3C Integrated Loop Routing and Feasibility
PRMRWSA	FY2022

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

Description

Description:	A feasibility study to evaluate pipeline routing options, infrastructure requirements and the feasibility of extending regional potable water transmission system from Sarasota County to Manatee County. The study is a critical step to determine pipeline routes, sizing, pumping needs as well as the support needed for modifications to existing county and regional facilities. In addition, the study will evaluate and refine the estimated cost of all proposed new facilities as well as existing facility improvements.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a feasibility study that produces pipeline route options, infrastructure requirements and the cost of extending the regional water transmission system from north of Sarasota County to Manatee County.
Costs:	Total project cost: $600,000 PRMRWSA: 300,000 District: $300,000 with $200,000 requested in previous years and $100,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project will be information to address the optimal pipeline route as well as the most cost-effective way to interconnect the regional water transmission system to Manatee County.
Cost Effectiveness:	High	The cost effectiveness is reasonable and consistent with the District's costs for AWS feasibility studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The Authority is a wholesale supplier of potable water to the customers of Charlotte, Desoto, Manatee and Sarasota Counties and the City of North Port.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as 1A Priority	This feasibility study will support the expansion of the PRMRWSA regional transmission system from it's existing terminus at Clark Road in Sarasota County to Manatee County. This interconnection will improve regional and local system reliability and resource sharing options.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$200,000	$100,000	$0	$300,000
PRMRWSA	$200,000	$100,000	$0	$300,000
Total	**$400,000**	**$200,000**	**$0**	**$600,000**

Project No. Q050	ASR – City of Venice Reclaimed Water ASR
City of Venice	FY2022

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

Description

Description:	Design, permitting, construction, testing, and independent performance evaluation (IPE) of an Aquifer Storage and Recovery (ASR) system to store and recover at least 60 million gallons per year (mgy) of reclaimed water on-site at the City's Eastside Water Reclamation Facility, an advanced wastewater treatment plant. If constructed, ASR would let the City store excess reclaimed water in the wet season, to be used in the dry season when demand exceeds plant flow. Funding was previously approved for 30% design, third party review (TPR), final design, and construction permitting. The District required TPR because of project costs and complexity. The FY2022 funding request is for construction. Future funding will be for construction, testing, and operational permitting.
Measurable Benefit:	The contractual Measurable Benefit is the design, permitting, construction, testing, and independent performance evaluation of an ASR system that will operate for 20 years at a minimum storage and recovery rate of 60 mgy calculated using a 5-year moving average. Construction will be done in accordance with the permitted plans.
Costs:	Total conceptual project cost: $5,065,000 (design, permitting, construction, testing, TPR, and IPE) City of Venice: $2,532,500 District: $2,532,500 with $232,500 budgeted in previous years, $1,100,000 requested in FY2022, and $1,200,000 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	If constructed, the benefit would be development of at least 60 mgy in reclaimed water storage/recovery in the SWUCA; this would enable supply to approximately 740 additional reclaimed users, potentially reducing irrigation groundwater withdrawals by an estimated 0.24 million gallons per day (mgd). The City projects storing/recovering 185 mgy by 2035.
Cost Effectiveness:	High	Costs are consistent with similarly funded District projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	Cooperator has a program in place that includes metering and an incentivized-based reuse rate structure for high volume users. Cooperator has a program in place that 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 - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as a High Priority	The City and District expect to complete 30% design and TPR by mid-2021. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable results from the TPR, and understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY2022 funding for construction. Additionally, an IPE will be required once well construction and testing is completed. If constructed, ASR would allow the City to optimize use of reclaimed water to meet current and future irrigation demands, reducing reliance on fresh groundwater withdrawals.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$232,500	$1,100,000	$1,200,000	$2,532,500
City of Venice	$232,500	$1,100,000	$1,200,000	$2,532,500
Total	**$465,000**	**$2,200,000**	**$2,400,000**	**$5,065,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q217	Study – Arcadia Stormwater Evaluation and Feasibility Study
City of Arcadia	FY2022

Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Complete a feasibility study that evaluates proposed Best Management Practices (BMPs) for Jordan Branch in DeSoto County. Projects were identified in the prior Arcadia Watershed Management Plan BMP Alternatives Analysis (N858). Study will provide more detail for flood protection benefits, project costs, property rights/acquisition needs including survey, and permitting/mitigation requirements for proposed BMPs.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a feasibility study and Preliminary Engineering Report to evaluate alternatives to reduce flooding of roads and residential properties located along Jordan Branch.
Costs:	Total project cost: $150,000 (study) City of Arcadia: $37,500 (REDI Eligible Community) District: $112,500 requested in FY2022

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guideline.
Project Benefit:	High	The project benefit is a feasibility study that will evaluate stormwater alternatives for flood protection improvement. Currently, flood analysis models are available, are less than 5 years old, and the watershed includes regional or intermediate stormwater systems. Structure and street flooding occur in the project area.
Cost Effectiveness:	High	Project costs are comparable to other prior projects with similar scopes.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Low	Cooperator is not participating in the Community Rating System program.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals

Strategic Goals:	Medium	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

Overall Ranking and Recommendation

Fund as a High Priority	The project will utilize the Arcadia Watershed Management Plan (N858) model and recommendations from the BMP Alternative Analysis to complete a study that evaluates and further refines solutions to reduce flooding along Jordan Branch. City of Arcadia qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under the Cooperative Funding Initiative Governing Board Policy, the Board can reduce the requirements for matching funds for REDI communities.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$112,500	$0	$112,500
City of Arcadia	$0	$37,500	$0	$37,500
Total	**$0**	**$150,000**	**$0**	**$150,000**

Project No. Q234	**SW IMP – Flood Protection – Bowlees Creek Pennsylvania Avenue Flow Diversion System**
Manatee County	FY2022

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

Description	
Description:	Design, permitting, and construction of a pipe conveyance system and nutrient baffle box to reroute stormwater from the main trunk line of Pennsylvania Avenue to the Pittsburgh Drain, along 59th Avenue East, located within the Bowlees Creek Watershed. The area experiences severe flooding in the Meadors subdivision and the existing stormwater conveyance system cannot handle all the runoff it receives. FY2022 funding will be utilized to complete the design and permitting phases and begin construction.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the design, permitting, and construction of a pipe conveyance system and nutrient baffle box along 59th Avenue East within the Bowlees Creek watershed. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $2,300,472 (design, permitting, and construction) Manatee County: $1,150,236 District: $1,150,236 with $250,000 requested in FY2022 and $900,236 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 existing flooding problems during the 100-yr, 24-hr storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource

Overall Ranking and Recommendation	
Fund as a High Priority	This project reduces structure and street flooding in the Meadors area in Manatee County and provides ancilliary water quality benefits.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$250,000	$900,236	$1,150,236
Manatee County	$0	$250,000	$900,236	$1,150,236
Total	**$0**	**$500,000**	**$1,800,472**	**$2,300,472**

Project No. Q248	**AWS – PRMRWSA Regional Acquisition of the Project Prairie Pumping and Storage Facilities**
PRMRWSA	FY2022

Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	This project involves the regional acquisition of the Project Prairie Pumping and Storage Facility and constructing improvements necessary for the pumping station to support the regional transmission system. The Authority has a regional 20-inch transmission main delivering water to this station for DeSoto County, and the Loop System Phase 1 Interconnect from Punta Gorda connects near the pump station location. The Authority proposes to acquire the 5 mgd pumping station, 500,000-gallon storage tank, emergency generator, and yard piping owned by DeSoto County; conduct system improvements recommended by a completed site assessment; and construct additional yard piping and meter assembly to operate the pump station as a hub in the regional system.
Measurable Benefit:	The contractual Measurable Benefit will be acquisition and improvement of a regional pumping station at a strategic junction of two existing regional transmissions mains to support transmission of water from two existing alternative water supply facilities, exports to DeSoto County, and capability to support transmission from proposed future regional sources on the east side of the regional system.
Costs:	Total Project Cost: $1,275,000 (includes $748,731 for facility acquisition of assets and $526,269 for improvements) PRMRWSA Share: $637,500 District Share: $637,500

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Project supports the development and use of regional water supply authorities to plan and coordinate water supply solutions and supports the Southern Regional SWUCA Recovery Priority to Maximize public supply interconnections.
Cost Effectiveness:	High	The costs were based on an engineer's assessment conducted in December 2019 and preliminary design of new yard piping and meter assembly conducted in 2015. Costs also compared favorably to estimates of new stand-alone pump station.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee and Sarasota Counties and the City of North Port.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as a High Priority	The pump station acquisition and improvements are necessary for operating a regional water supply transmission system that provides service to two counties. The project will alleviate the Authority's dependency on DeSoto County for the regular operation, routine maintenance, or emergency service of the regional pump station. The project is approximately half the cost of building a similar new station. The acquisition was presented to the Governing Board on August 25, 2020, during which the Board referred the Authority to the routine CFI cycle.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$637,500	$0	$637,500
PRMRWSA	$0	$637,500	$0	$637,500
Total	**$0**	**$1,275,000**	**$0**	**$1,275,000**

Project No. Q268	**Reclaimed – BRU Taylor Road Area Transmission**
Braden River Utilities	FY2022

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

Description

Description:	This project is for the third-party review (TPR) and construction of approximately 16,000 feet of reclaimed water mains, a SCADA system, a pump station and other necessary appurtenances to supply approximately 2,400 residential homes, common areas and a 27-hole golf course within the Taylor Road development of Lakewood Ranch in Manatee and Sarasota counties. The FY2022 funding request is for completion of third-party review and initiating construction. Governing Board approval of the TPR is required prior to initiating construction.
Measurable Benefit:	The contractual Measureable Benefit of this project will be the provision of the design package for the construction of a reclaimed water transmission line that will provide 1.57 mgd of reclaimed water to residential homes, a 27-hole golf course and common areas within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA). If the TPR is approved by the Governing Board, construction will be added the measureable benefit.
Costs:	Total Conceptual Project Cost: $7,100,000 (TPR and construction) Braden River Utilities: $3,550,000 District: $3,550,000 with $1,050,000 requested in FY2022 and $2,500,000 to be requested in future years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI Guidelines. District PM had to work with the cooperator to obtain the remaining required information.
Project Benefit:	High	The benefit is the supply of 1.57 mgd of reclaimed water to residential homes, a 27-hole golf course and common area irrigation for an anticipated 1.57 mgd of water savings within the MIA of the SWUCA.
Cost Effectiveness:	High	The capital cost/gpd is $4.54 per gallon per day which is lower than $10 to $15 per gallon average for alternative supplies.
Past Performance:	High	Based upon an assessment of the schedule and for 3 ongoing projects.
Complementary Efforts:	High	Cooperator has a program in place that includes meters and a volumetric rate-based and has a pro-active reclaimed expansion policies which maximize utilization and environmental benefits.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as a High Priority	The TPR is anticipated to be completed in FY2022. Anticipating favorable information from the TPR, and with the understanding that the Governing Board will need to provide approval to proceed, staff recommends including funding for initiation of construction in the FY2022 budget. This project reduces groundwater pumping in the SWUCA and is cost-effective.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$1,050,000	$2,500,000	$3,550,000
Braden River Utilities	$0	$1,050,000	$2,500,000	$3,550,000
Total	**$0**	**$2,100,000**	**$5,000,000**	**$7,100,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q272	AWS – PRMRWSA Reservoir No. 3
PRMRWSA	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	Preliminary Engineering (30% design) and third party review of the Peace River Reservoir No. 3 Project. If constructed, the project will provide a third off-stream raw water reservoir with 6 BG capacity or larger at the Peace River Water Treatment Facility in DeSoto County, expand the Authority's river intake pumping capacity, and develop facility pipelines to connect with a new intake, the reservoir system, and the treatment facilities. District funding is for 30% design and TPR as this project has a conceptual construction estimate greater than $5 million dollars. The 30% design will include geotechnical testing; mitigation permitting assessments; preliminary engineering of the reservoir embankment and associated structures, river intake, and yard piping; and a review of customer demand projections and needs. The FY2022 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 a 30% design of the proposed project to expand off-stream storage and surface water supply capacity at the Peace River Facility.
Costs:	Total Project Cost: $7,250,000 (30% design and TPR) PRMRWSA: $3,625,000 District Share: $3,625,000 with $3,625,000 requested in FY2022. A conceptual estimate of total project cost including design completion, permitting, engineering, and construction is $231,400,000 based on the Authority's Capital Improvement Plan.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	This project has the potential to meet reliability of supply for the Authority customers' 20-year needs. The project supports the District's 2020 Strategic Plan initiative on alternative water supplies and the SWUCA Recovery Strategy objective.
Cost Effectiveness:	High	The preliminary design and permitting costs are consistent with the Authority's Reservoir No. 2 (F032) expenses, adjusted for 2020 dollars, and adjusted for additional components including a new intake structure, raw water pipelines, transfer pump station expansion, and wetland permitting evaluation.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee and Sarasota Counties and the City of North Port.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022

Strategic Goals

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

Overall Ranking and Recommendation

Fund as a High Priority	The Authority is requesting funds to complete the 30% design and a TPR. The results from the design and TPR will provide the District with better information to confirm the resource benefits, cost effectiveness, and implementation timing based on customer needs for project construction. The Authority and District have an ongoing Reservoir No. 3 feasibility and siting project (Q212) that will refine the conceptual project cost and storage capacities by December 2021. This 30% design project will continue through preliminary work and will provide the TPR in 2023. Contractually, the Authority will need Governing Board approval to proceed beyond 30% design and TPR.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$3,625,000	$112,075,000	$115,700,000
PRMRWSA	$0	$3,625,000	$112,075,000	$115,700,000
Total	**$0**	**$7,250,000**	**$224,150,000**	**$231,400,000**

Conceptual cost estimate, subject to Governing Board Approval

Project No. W105	SW IMP – Water Quality – Central Holmes Beach BMPs - Phases F, G, and H
City of Holmes Beach	FY2022

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

Description	
Description:	Design, permitting, and construction of stormwater retrofits in the City of Holmes Beach to improve water quality discharging to Tampa Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of stormwater retrofits to treat approximately 30 acres of highly urbanized stormwater runoff. Construction will be done in accordance with permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $1,537,500 (Design, permitting, construction) City of Holmes Beach: $768,750 District: $768,750, with $256,250 requested in FY2022 and $512,500 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 the project is the reduction of pollutant loads to Tampa Bay and Sarasota Bay, SWIM priority water bodies,by an estimated 284 lb/yr TN and 47 lb/yr TP. This project will also have ancillary flood protection benefits.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is within the historical average range of $176 and $475/lb. The estimated cost/lb of TP removed is within the historical average range of $1498 and $4152/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

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 a High Priority	This project is cost effective and improves water quality discharging to Tampa Bay, a SWIM priority water body. This project will also have ancillary flood protection benefits. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$256,250	$512,500	$768,750
City of Holmes Beach	$0	$256,250	$512,500	$768,750
Total	**$0**	**$512,500**	**$1,025,000**	**$1,537,500**

Project No. W219	SW IMP – Water Quality – Anna Maria BMPs Phase L
City of Anna Maria	FY2022

Risk Level:	Type 3	**Multi-Year Contract:** No	

Description

Description:	Design, permitting, and construction of stormwater retrofits in the City of Anna Maria to improve water quality discharging to Tampa Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 26 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $508,760 (design, permitting, construction) City of Anna Maria: $254,380 District: $254,380

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of the Project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 116 lbs/yr TN, and 20 lbs/yr TP. Project also includes ancillary flood protection benefits.
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is between the historical cost averages of $176 and $475/lb. The estimated cost/lb of TP removed is below the historical average of $1498/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget of the 1 ongoing project.
Complementary Efforts:	High	The City of Anna Maria has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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 a High Priority	This project is cost effective and improves water quality discharging to Tampa Bay, a SWIM priority water body. This project will also have ancillary flood protection benefits. The Governor's Executive Order 19 -12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$254,380	$0	$254,380
City of Anna Maria	$0	$254,380	$0	$254,380
Total	**$0**	**$508,760**	**$0**	**$508,760**

Project No. W647	Restoration – Phillippi Creek Stream Restoration
Sarasota County	FY2022

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

Description

Description:	Design, permitting and construction for the Phillippi Creek Stream Restoration Project. The project involves stream bank restoration and native vegetation plantings which will enhance natural systems and provide ancillary water quality benefits. This project is within the Sarasota Bay watershed, a SWIM priority water body. The cooperator will be required to convey a conservation easement over the project area to the District.
Measurable Benefit:	The contractual Measurable Benefit will be the restoration or enhancement of 7,000 linear feet of stream bank. Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $1,400,000 (design, permitting, construction) Sarasota County: $700,000 District: $700,000 with $200,000 requested in FY2022 and $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 the project is the restoration or enhancement of approximately 7,000 linear feet of stream bank within the Sarasota Bay watershed, a SWIM priority water body.
Cost Effectiveness:	High	The estimated cost per linear feet of restored shoreline is less than the historical average of $269/linear foot.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	Applicant has a land management plan for property involved in CFI application, maintains nature parks within its park system, manages an active education campaign on conservation and stormwater, and provides other complementary efforts that maintain natural systems and improve water quality.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Southern Region Priority:** Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as a High Priority	This project is cost effective and will restore and enhance streambanks, improve natural systems and provide ancillary water quality benefits within the Sarasota Bay watershed, a SWIM priority waterbody.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$200,000	$500,000	$700,000
Sarasota County	$0	$200,000	$500,000	$700,000
Total	**$0**	**$400,000**	**$1,000,000**	**$1,400,000**

Project No. Q257	Study – Sarasota County System-Wide Wellfield Improvements
Sarasota County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description	
Description:	A comprehensive System-wide Wellfield Assessment & Improvement Plan (WAIP) of wells within the University Parkway (UP), Carlton Memorial Reserve (CMR), and Venice Gardens Reverse Osmosis Water Treatment Plant (VGROWTP) wellfields. It will include (1) a baseline water quality and well performance assessment of wells within the three wellfields and (2) operational guideline and rotational schedule development for each wellfield. The WAIP will establish the framework for a future well rehabilitation effort.
Measurable Benefit:	The contractual Measurable Benefit will be completion of a WAIP to improve efficiency of wellfield operation, maximize protection of groundwater resources, and identify future well rehabilitation priorities.
Costs:	Total project cost: $150,000 (study) Sarasota County: $75,000 District: $75,000 with $75,000 requested in FY2022

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 benefit of this project is development of data-driven operational guidelines for the wellfields to maximize efficiency and groundwater resource protection. The WAIP will be the basis for the implementation of a future well rehabilitation program for wells identified in the baseline assessment that require redevelopment, acidization, back-plugging, casing modification, or other rehabilitation.
Cost Effectiveness:	High	The project costs are consistent with similar projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	Applicant has the complimentary efforts of an active stormwater Utility Program that collects fees, and various ordinances including a Land Development Ordinance to further the objectives of floodplain management, a Water-Efficient Landscape Ordinance, and irrigation restrictions which are enforced by code enforcement officers.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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. **Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation	
Fund as a Medium Priority	The WAIP will provide system-wide wellfield operation guidelines that will optimize the County's ability to manage existing resources and infrastructure, as well as maximize efficient use of groundwater resources. It will establish the framework and priorities for a well rehabilitation program to be implemented in future years, which will further protect groundwater resources.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$75,000	$0	$75,000
Sarasota County	$0	$75,000	$0	$75,000
Total	**$0**	**$150,000**	**$0**	**$150,000**

Project No. Q265	**Conservation – North Port Water Distribution Ridgewood/Lamplighter Area Looping Project**
City of North Port	FY2022

Risk Level:	Type 2	**Multi-Year Contract:** No

Description	
Description:	Construction of approximately 4,900 feet of new potable water lines and associated components necessary to eliminate system dead ends. This is considered a utility-based supply side conservation project and will reduce routine flushing in two areas by allowing potable water circulation in the central area of the City.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a final report and the construction of approximately 4,900 feet of new water lines and associated components to eliminate distribution system dead-ends. Construction will be done in accordance with the permitted plans.
Costs:	Total Project Cost: $347,900 (construction) City of North Port: $173,950 District: $173,950

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI guidelines.
Project Benefit:	High	The benefit of this project is an estimated 14,498 gallons per day conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for the 2 ongoing projects
Complementary Efforts:	High	Applicant has an adjusted gross per capita less than or equal to 80 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022

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

Overall Ranking and Recommendation	
Fund as a Medium Priority	Project will conserve potable water in the SWUCA and is cost effective.

Funding

Funding Source	**Prior**	**FY2022**	**Future**	**Total**
District	$0	$173,950	$0	$173,950
City of North Port	$0	$173,950	$0	$173,950
Total	**$0**	**$347,900**	**$0**	**$347,900**

Project No. Q237	DAR – Sarasota County Dona Bay Phase 3 Aquifer Recharge
Sarasota County	FY2022

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

Description

Description:	Third-party review (TPR), design, permitting, and construction of an aquifer recharge system with an eventual injection goal of 25-45 mgd of surface water from Cow Pen Slough. If constructed, the aquifer recharge system will aid in the restoration of hydrologic watershed conditions and decrease the excess freshwater flow to Dona Bay. This project is the next phase that integrates existing cooperatively funded Dona Bay Phase 1 (N424) and Phase 2 (N786) projects. The County's self-funded feasibility study plans on construction of up to three recharge wells at build out. If funded, the project will require TPR to provide the information necessary to support the $20,090,000 project.
Measurable Benefit:	The contractual measurable benefit, if constructed, will be recharge to the Upper Floridan aquifer of 25-45 MGD for improvement of water levels in the SWUCA and removal of excess freshwater flows to Dona Bay.
Costs:	Total project cost: $20,090,000 (TPR, design, permitting, and construction) Sarasota County: $10,045,000 District: $10,045,000 with $45,000 requested in FY2022 and 10,000,000 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 the County to obtain remaining required information.
Project Benefit:	High	The resource benefit of this project is the reduction of pollutant loads to Dona Bay by an estimated 73,000 lbs/yr TN. This project also includes the benefits of removing up to 45 mgd of excess fresh water from Dona Bay in accordance with the watershed management plan. The project is also anticipated to maintain or improve water quality in the Carlton Memorial Reserve Wellfield and improve water levels in the SWUCA.
Cost Effectiveness:	Medium	Costs are consistent with similarly funded District projects.
Past Performance:	High	Based on the assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	High	The County has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin before December 1, 2021.

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	The project is premature based on delays with Project N786, Dona Bay Surface Water Storage Facility. Project N786 is required to be constructed to convey water to the Venice Minerals reservoir for use in the proposed Q237 Phase 3 project.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$45,000	$10,000,000	$10,045,000
Sarasota County	$0	$45,000	$10,000,000	$10,045,000
Total	**$0**	**$90,000**	**$20,000,000**	**$20,090,000**

Project No. Q276	AWS – Venice RO Water Treatment Plant Efficiency Expansion
City of Venice	FY2022

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

Description

Description:	Design and construction of a second-pass RO component for two existing RO skids which would increase treatment recovery to 75% for half the plant with the other half still functioning at 50% recovery during peak demands.
Measurable Benefit:	The contractual Measurable Benefit will be the design and construction of RO plant improvements to achieve 75% treatment efficiency for half the plant.
Costs:	Total project cost: $3,300,000 (Design, Permitting and Construction) City of Venice: $1,650,000; District: $1,650,000 with $150,000 requested in FY2022, and $1,500,000 anticipated to be requested in future years.

Evaluation

Application Quality:		
Project Benefit:		
Cost Effectiveness:		
Past Performance:		
Complementary Efforts:		
Project Readiness:		

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Not Recommended	This project is not recommended for funding as it is inconsistent with the CFI Board Policy, which supports multi-jurisdictional development of alternative water supplies.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$150,000	$1,500,000	$1,650,000
City of Venice	$0	$150,000	$1,500,000	$1,650,000
Total	**$0**	**$300,000**	**$3,000,000**	**$3,300,000**

Project No. Q277	Study – Sarasota Bay Septic to Sewer Water Quality Study
Sarasota County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	Feasibility study to identify the best options for converting residential dwellings and commercial facilities currently serviced by septic systems to a centralized wastewater collection and treatment system.
Measurable Benefit:	The measureable benefit will be the completion of a feasibility study.
Costs:	Total Project Cost: $5,000,000 District: $2,500,000 Sarasota: $2,500,000

Evaluation

Application Quality:		
Project Benefit:		
Cost Effectiveness:		
Past Performance:		
Complementary Efforts:		
Project Readiness:		

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Not Recommended	This project is not recommended for funding as it is inconsistent with the FY2022 CFI Guidelines which specify that for funding consideration septic to sewer projects must address issues within a Springs Priority Focus Area (PFA) of a Basin Management Action Plan (BMAP) area as identified by the FDEP and within the District boundaries. The project is located outside of a springs PFA of a BMAP.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$2,500,000	$0	$2,500,000
Sarasota County	$0	$2,500,000	$0	$2,500,000
Total	**$0**	**$5,000,000**	**$0**	**$5,000,000**

Project No. W646	SW IMP – Water Quality – City of Sarasota Created Wetlands System
City of Sarasota	FY2022

Risk Level:	Type 2	**Multi-Year Contract:**	No

Description

Description:	Construction of an approximately 18 acre treatment wetlands system adjacent to the Bobby Jones Golf Course on property owned by the City of Sarasota to improve water quality discharging to Sarasota Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a treatment wetland system to treat runoff from approximately 5,800 acres of 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 $3,023,070 (construction) City of Sarasota share $1,511,535 District share $1,511,535

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of the project is the reduction of pollutant loads to Sarasota Bay, a SWIM priority water body, by an estimated 906 lbs/yr TN and 336 lbs/yr TP. This project will also provide ancillary natural systems benefits.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average of $176/lb and the estimated cost/lb of TP removed is below the historical average $1,498/lb.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	Applicant has a stormwater maintenance program, a street sweeping program, a pet waste ordinance, and enforcement of the County fertilizer ordinance.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as a High Priority	This project is cost effective, and removes a significant amount of nutrients to improve water quality discharging to Sarasota Bay, a SWIM priority waterbody. The project will also have ancillary natural systems benefits. The Governor's Executive Order 19 -12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions and this project is consistent with that directive.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$1,511,535	$0	$1,511,535
City of Sarasota	$0	$1,511,535	$0	$1,511,535
Total	**$0**	**$3,023,070**	**$0**	**$3,023,070**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Tampa Bay Region

FY2022 Cooperative Funding Initiative

Final Evaluations and Rankings

Project No. Q011	WMP – Pithlachascotee/Bear Creek WMP
Pasco County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 3 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 practice (BMP) alternative analysis. FY2022 funding will be used to complete the floodplain analysis and alternative analysis.
Measurable Benefit:	The contractual 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: $1,600,000 Pasco County: $800,000 District: $800,000 with $500,000 budgeted in previous years and $300,000 requested in FY2022.

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 medium range of historic costs (less than 22,000/sq mi) for WMP updates completed in mixed urban/rural watersheds. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 19 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 - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority: Flood Protection:**Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing 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	FY2022	Future	Total
District	$500,000	$300,000	$0	$800,000
Pasco County	$500,000	$300,000	$0	$800,000
Total	**$1,000,000**	**$600,000**	**$0**	**$1,600,000**

Project No. Q013	WMP – Hammock Creek WMP
Pasco County	FY2022

Risk Level:	Type 4	Multi-Year Contract: Yes, Year 3 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. FY2022 funding will be used to complete the WMP and BMP analysis.
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: $900,000 District: $900,000 with $600,000 budgeted in previous years and $300,000 requested in FY2022.

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. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 19 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 - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

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	FY2022	Future	Total
District	$600,000	$300,000	$0	$900,000
Pasco County	$600,000	$300,000	$0	$900,000
Total	**$1,200,000**	**$600,000**	**$0**	**$1,800,000**

Project No. Q130	Study – Nutrient Source Tracking
Pinellas County	FY2022

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

Description	
Description:	Review existing watershed data and conduct additional sampling to assess nutrient loading into the McKay Creek, Allen's Creek, and Curlew Creek watersheds using isotope analysis and development of a conceptual plan to reduce the nutrient sources.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of this study.
Costs:	Total Project Cost: $200,000 (Study) Pinellas County: $100,000 District: $100,000 with $85,000 budgeted in previous years and $15,000 requested in FY2022.

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 identification of nutrient loading into the McKay Creek, Allen's Creek, and Curlew Creek watersheds. All three watersheds are impaired for nutrients and McKay Creek and Curlew Creek have nutrient TMDLs in place. Curlew Creek watershed drains into northern Clearwater Harbor, McKay Creek watershed drains to southern Clearwater Harbor, and Allen's Creek watershed drains to Old Tampa Bay, a SWIM Priority Waterbody.
Cost Effectiveness:	High	The cost effectiveness for this study is comparable to past projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Applicant has an active storm water utility that collects fees.
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. **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Fund as 1A Priority	The ongoing study is cost effective and will continue to assess nutrients discharging into Clearwater Harbor and Old Tampa Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$85,000	$15,000	$0	$100,000
Pinellas County	$85,000	$15,000	$0	$100,000
Total	**$170,000**	**$30,000**	**$0**	**$200,000**

Project No. Q149	WMP – Coastal Zone 5 Watershed Management Plan
Pinellas County	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) for the Coastal Zone 5 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. FY2022 funding will be used to conduct the floodplain analysis.
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: $575,000 Pinellas County: $287,500 District: $287,500 with $75,000 budgeted in previous years, $112,500 requested in FY2022, and $100,000 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 (between $69,000 and $93,500/sq mi) for WMPs completed in urban watersheds. The higher cost for this urban watershed is justified due to the flooding in the watershed over the past few years and priority to have reasonable floodplain results incorporating modeling of the adjacent watershed studies in Pinellas County.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project identifies flood risk in an urban area with no detailed study information available, and the resulting product will be utilized for flood insurance determination, will help implement solutions that alleviates flood risk and improve water quality, and enhance the planning of future development in the Coastal Zone 5 Watershed.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$75,000	$112,500	$100,000	$287,500
Pinellas County	$75,000	$112,500	$100,000	$287,500
Total	**$150,000**	**$225,000**	**$200,000**	**$575,000**

Project No. Q163	WMP – Seminole Stormwater Master Plan Update and Infrastructure Assessment
City of Seminole	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) for the City of Seminole in Pinellas County, through and including watershed evaluation including a full stormwater inventory, floodplain analysis, Level of Service determination (LOS), and Best Management Practices (BMPs) alternative analysis. FY2022 funding will be utilized to develop the Watershed Management Plan and BMP analysis.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of a WMP that identifies floodplains, establishes LOS, and evaluates BMPs to address flooding concerns in the City of Seminole Watershed.
Costs:	Total project cost: $500,000 City of Seminole: $250,000 District: $250,000 with $125,000 budgeted in previous years and $125,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all of the required informtion identified in the CFI guidelines.
Project Benefit:	High	The WMP will analyze flooding problems that exist in the watershed. Currently, the flood analysis models are not available or over 10 years old, and the watershed includes regional or intermediate stormwater systems. The City watershed is one of the District's top 20 priority watersheds for WMP updates.
Cost Effectiveness:	Medium	Project cost per square mile is in the medium range for costs (between $66,001 and $87,000/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:	Low	Cooperator does not participate in the Community Rating System.
Project Readiness:	High	Project ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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 that does not have a flood risk model. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, and to enhance the planning of future development in the project area. The higher cost for this urban watershed is justified due to the lack of infrastructure information required to create the best floodplain data in this highly urbanized area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$125,000	$125,000	$0	$250,000
City of Seminole	$125,000	$125,000	$0	$250,000
Total	**$250,000**	**$250,000**	**$0**	**$500,000**

Project No. Q171	Study – McKay Creek Model Update, Alternatives Analysis and Feasibility Study
Pinellas County	FY2022

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

Description

Description:	Develop a Preliminary Engineering Report (PER) that evaluates proposed Best Management Practices (BMP) in the McKay Creek Watershed in Pinellas County. These projects were identified as recommendations in the prior McKay Creek Best Management Practices (BMP) Alternatives Analysis (N373) and other studies. The project will provide more detail and refine water quality and flood protection benefits, project costs, property rights/acquisition needs, and permitting/mitigation requirements for proposed BMPs.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study and a PER that evaluates alternatives to reduce flooding and improve water quality within the McKay Creek Watershed.
Costs:	Total project cost: $520,000 (study) Pinellas County: $260,000 District: $260,000 with $130,000 budgeted in previous years and $130,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Medium	The project benefit is a study that will evaluate stormwater improvement alternatives for flood protection and water quality improvement. 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 greater than historic costs for model updates with an alternative analyses. Costs are comparable to other feasibility studies. Project combines elements of each of these project types.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project will complete a study to evaluate and further define solutions to reduce flooding and improve water quality in the McKay Creek Watershed. It uses an existing watershed model and recommendations from the McKay Creek WMP (N373) Alternatives Analysis as well as other studies. The project combines elements of an alternatives analysis and a feasibility study; costs are comparable to typical feasibility studies.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$130,000	$130,000	$0	$260,000
Pinellas County	$130,000	$130,000	$0	$260,000
Total	**$260,000**	**$260,000**	**$0**	**$520,000**

Project No. Q196	Study – Joe's Creek Model Update, Alternatives Analysis and Feasibility Study
Pinellas County	FY2022

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

Description

Description:	Develop a Preliminary Engineering Report (PER) that evaluates proposed best management practices (BMPs) in the Joe's Creek Watershed in Pinellas County. The projects were identified in the prior Joe's Creek Watershed Improvement Plan Best Management Practice (BMP) Alternatives Analysis (N516). Study will refine the model, provide more detail for water quality, natural systems and flood protection benefits, project costs, property rights/acquisition needs, and permitting/mitigation requirements for proposed BMPs.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study and a Preliminary Engineering Report to evaluate alternatives to reduce flooding, improve water quality and enhance natural systems within the Joe's Creek Watershed.
Costs:	Total project cost: $720,000 (study) Pinellas County: $360,000 District: $360,000 with $180,000 budgeted in previous years, $90,000 requested in FY2022 and $90,000 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	The project benefit is a study that will evaluate stormwater improvement alternatives for flood protection and water quality improvement. Currently, flood analysis models are available, are less than 5 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is greater than historic costs for model updates with an alternative analyses. Costs are comparable to other feasibility studies. Project combines elements of both project types.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project will complete a study to evaluate and further define solutions to reduce flooding, improve water quality and enhance natural systems in the Joe's Creek Watershed. It uses an existing watershed model and recommendations from the Joe's Creek BMP Alternatives Analysis. The project combines elements of a model update, alternatives analysis and a feasibility study.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$180,000	$90,000	$90,000	$360,000
Pinellas County	$180,000	$90,000	$90,000	$360,000
Total	**$360,000**	**$180,000**	**$180,000**	**$720,000**

Project No. Q199	WMP – Starkey Road WMP Update
Pinellas County	FY2022

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

Description	
Description:	Complete a comprehensive update to the Starkey Road Watershed Management Plan (WMP) 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. The study will result in recommendations for drainage, water quality and natural systems improvement projects. FY2022 funding will be used to complete the watershed evaluation and begin the floodplain analysis phase.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of an updated WMP that identifies floodplains, establishes LOS, performs SWRA, and evaluates BMPs to address flooding concerns, and improve water quality and enhance natural systems in the watershed.
Costs:	Total project cost: $500,000 Pinellas County: $250,000 District: $250,000 with $75,000 budgeted in previous years, $100,000 requested in FY2022, and $75,000 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	The WMP will re-evaluate 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:	Low	Project cost per square mile is in the high-range of historic costs (greater than $40,000/sq. mi.) for WMP updates 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. This study will also include water quality and natural systems components.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	The project is ongoing and on schedule.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning:** Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation	
Fund as 1A Priority	This ongoing project will complete a study to evaluate and further define solutions to reduce flooding and improve water quality in the Starkey Road Watershed. It combines elements of a model update and alternatives analysis. In addition to Flood Protection this update will also include Water Quality and Natural Systems components.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$75,000	$100,000	$75,000	$250,000
Pinellas County	$75,000	$100,000	$75,000	$250,000
Total	**$150,000**	**$200,000**	**$150,000**	**$500,000**

Project No. Q210	SW IMP – Flood Protection – Griffin Park Flood Abatement Project
Pasco County	FY2022

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

Description

Description:	Design, permitting, and construction of a pond and conveyance system to divert water from the Griffin Park neighborhood south to Bear Creek. The project was selected based on repetitive flooding in recent years and the floodplain information from the Pithlachascotee/Bear Creek Watershed Management Plan (WMP). FY2022 funds will be used for construction.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a pond and stormwater conveyance system in the area of Griffin Park. Construction will be in accordance with permitted plans.
Costs:	Total project costs: $1,800,000 (design, permitting, and construction) Pasco County: $900,000 District: $900,000 with $195,000 budgeted in previous years and $705,000 requested in FY2022.

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. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
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 upon an assessment of the schedule and budget for the 19 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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project consists of the construction of conveyance systems to divert stormwater from streets and homes in the Griffin Park neighborhood into a new pond and then to the Bear Creek system. It 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	FY2022	Future	Total
District	$195,000	$705,000	$0	$900,000
Pasco County	$195,000	$705,000	$0	$900,000
Total	**$390,000**	**$1,410,000**	**$0**	**$1,800,000**

Project No. Q213	Hillsborough County SCADA System	
Hillsborough County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

Description

Description:	Implementation of real-time water level monitoring systems throughout Hillsborough County, based on the previously funded feasibility study Q001. The current density of real-time gauges through the County does not provide suitable flood information that the County requires. The information gained from this connected monitoring system will be used to help make critical decisions in preparation for storm events. FY2022 funding will be used to construct new SCADA enabled gauge locations throughout Hillsborough County.
Measurable Benefit:	The contractual Measurable Benefit will be the installation of approximately 250 real-time monitoring systems at existing and newly constructed water level gauge stations.
Costs:	Total project cost: $1,800,000 (construction of SCADA monitoring system) Hillsborough County: $900,000 District: $900,000 with $200,000 budgeted in previous years and $700,000 requested in FY2022.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is related to the implementation of real-time water level monitoring stations for lakes and streams within Hillsborough County. The monitoring system will enhance emergency operations in preparation for storm events.
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 24 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:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as 1A Priority	This ongoing project is for the construction of additional real-time monitoring of water level gauges throughout Hillsborough County will allow for the support of a flood information system, forecasts for public information and emergency management. Real-time water levels will allow County staff to proactively manage stormwater. Historical data collection and storage with an improved gauge density will also be used to improve calibration efforts for existing watershed models.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$200,000	$700,000	$0	$900,000
Hillsborough County	$200,000	$700,000	$0	$900,000
Total	**$400,000**	**$1,400,000**	**$0**	**$1,800,000**

Project No. W211	Restoration – Weedon Island Tidal Marsh	
Pinellas County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 3

Description	
Description:	Design, permitting, and construction of a natural system restoration project which includes hydrologic restoration through elimination of stagnant ditches, dredging of existing ditches to improve circulation, and restoration of diurnal sheet flow by removing spoil mounds in the Weedon Island Preserve. This project is within the Tampa Bay watershed, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit of this project is the hydrologic restoration of 42 acres of mangrove forest and estuarine wetland habitat within the Weedon Island Preserve.
Costs:	Total Project Cost: $937,800 (Design, permitting, and construction) Pinellas County: $468,900 District: $468,900 with $56,268 requested in previous years, $123,790 requested in FY2022, and $288,842 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 the project is restoration of 42 acres of mangrove forest and estuarine wetland habitat within the Tampa Bay watershed, a SWIM priority water body.
Cost Effectiveness:	High	The estimated cost/acre restored is less than $53,326/acre restored for combined elements.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Applicant has an exotic removal/treatment program, a Land Management Plan for the the property, maintains "nature parks" or "open space" within its park system, and has other complementary efforts that preserve or restore natural systems.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **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 restore 42 acres of natural systems within the Tampa Bay watershed, a SWIM priority water body.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$56,268	$123,790	$288,842	$468,900
Pinellas County	$56,268	$123,790	$288,842	$468,900
Total	**$112,536**	**$247,580**	**$577,684**	**$937,800**

Project No. N949	SW IMP – Flood Protection – Southeast Seminole Heights Flood Relief
City of Tampa	FY2022

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

Description

Description:	Design, permitting, and 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 adding stormwater treatment systems for water quality purposes. The District required a third-party review (TPR) as this project has a construction cost greater than $5 million. The FY2022 funding request is for construction.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of drainage conveyance system BMPs to reduce flooding in approximately 780 acres of highly-urbanized basin. Construction will be in accordance with permitted plans.
Costs:	Total conceptual project cost: $23,500,000 (design, TPR, permitting and construction). City of Tampa: $11,750,000 District: $11,750,000 with $4,000,000 budgeted in previous years, $7,500,000 requested in FY2022, and $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, 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. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
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 7 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	The 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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a High Priority	The City is anticipated to complete the 30% design and TPR by February 2021. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the TPR, and with the understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY2022 funding for construction.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$4,000,000	$7,500,000	$250,000	$11,750,000
City of Tampa	$4,000,000	$7,500,000	$250,000	$11,750,000
Total	**$8,000,000**	**$15,000,000**	**$500,000**	**$23,500,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q146	**Interconnects – Tampa Bay Water Southern Hillsborough Co. Booster Pump Station**
TBW	FY2022

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

Description

Description:	Design, permitting and construction of a potable water booster pump station to increase delivery capacity to the regional Delivery Point of Connection at the Lithia Water Treatment Plant by connecting into an existing 30" Brandon-South Central Transmission Main. The new booster pump station will increase the net gain in transmission line flow by approximately 5 – 7 MGD. District funding in FY2021 included third-party (TPR) review and portion of design as this project has a conceptual construction estimate greater than $5 million dollars. It's anticipated that the TPR will be completed by April 30, 2021.
Measurable Benefit:	The contractual Measurable Benefit if constructed, will be an increase of available alternative water supply by 5 – 7 MGD at the Lithia Point of connection to support Tampa Bay Water (TBW) regional water supplies goals.
Costs:	Total conceptual project cost: $7,100,000 (TPR, design, permitting and construction) Tampa Bay Water: $3,550,000 District: $3,550,000 with $500,000 requested in previous years, $500,00 requested in FY2022, and $2,550,000 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, if constructed, will be the improved regional distribution of alternative water supplies to the counties of Pasco, Pinellas and Hillsborough. The project will increase the available water supply by 5 – 7 MGD at the Lithia Point of Connection.
Cost Effectiveness:	High	The cost effectiveness is reasonable and consistent with previous cooperative funding average costs for similar projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	TBW provides wholesale drinking water to the counties of Hillsborough, Pasco and Pinellas and the cities of New Port Richey, Tampa, and St. Petersburg.
Project Readiness:	High	The project is ready to begin on or before December 1, 2021, pending third-party review and approval by the District Governing Board in May 2021.

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 - Regional Water Supply Planning:** Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs

Overall Ranking and Recommendation

Fund as a High Priority	It's anticipated that the TPR will be completed by April 30, 2021. Contractually, TBW will need Governing Board approval to proceed beyond TPR. Anticipating favorable information from the TPR, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY2022 funding for the project. If constructed, the project will provide additional 5 – 7 MGD of alternative water supply to support Tampa Bay regional water supply demands.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$500,000	$500,000	$2,550,000	$3,550,000
TBW	$500,000	$500,000	$2,550,000	$3,550,000
Total	**$1,000,000**	**$1,000,000**	**$5,100,000**	**$7,100,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q190	SW IMP – Flood Protection – Lower Peninsula Stormwater Improvements - Southeast Region
City of Tampa	FY2022

Risk Level:	Type 3	Multi-Year Contract: Yes, Year 2 of 4

Description

Description:	Design, permitting and construction of stormwater conveyance lines south to the MacDill 48 ELAPP property, which will serve as flood storage, then a conveyance line east to an outfall in Tampa Bay. Funding was approved in FY21 for a third party review of the 30% design. The District required a third party review because the conceptual construction estimate is greater than $5 million dollars. The FY2022 funding request is for design and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of drainage conveyance system BMPs to reduce flooding in a highly-urbanized basin of approximately 550 acres. Construction will be in accordance with permitted plans.
Costs:	Total conceptual project cost: $25,000,000 (design, third-party review (TPR), permitting and construction) City of Tampa: $12,500,000 District: $12,500,000 with $35,000 budgeted in previous years, $6,000,000 requested in FY2022, and $6,465,000 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, if constructed, will reduce the existing flooding problem during the 5-year, 8-hour storm event. Structure and street flooding occurs in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1, but greater than or equal to 0.7.
Past Performance:	High	Based on an assessment of the schedule and budget for 7 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ongoing and on schedule.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a High Priority	It is anticipated the 30% design and TPR will be completed by September 2021. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the TPR, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY2022 funding for design and construction. If constructed, this project will provide flood protection for structures and streets during the 5-year, 8-hour event.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$35,000	$6,000,000	$6,465,000	$12,500,000
City of Tampa	$35,000	$6,000,000	$6,465,000	$12,500,000
Total	**$70,000**	**$12,000,000**	**$12,930,000**	**$25,000,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q220	SW IMP – Flood Protection – 7th Street North, 50th Avenue North Vicinity Storm Drainage Improvements
City of St. Petersburg	FY2022

Risk Level:	Type 3	Multi-Year Contract: No

Description

Description:	Third-party review (TPR) and additional construction for stormwater improvements for the neighborhood west of 4th Street North between 50th Avenue North and the 54th Avenue North canal. The proposed drainage improvements include low impact development (LID) techniques and increased conveyance capacity via enlarged conduits. The District required a TPR as this project has a construction cost estimate greater than $5 million dollars. The City is expected to finish design of the project prior to October 2021. The FY2022 funding request is for TPR to provide necessary information to support future funding. If approved by the Governing Board after TPR, FY2022 funds would also be used for construction.
Measurable Benefit:	The contractual Measurable Benefit will be providing the final design package for the proposed project to construct stormwater drainage improvements in the vicinity of 7th Street North and 50th Avenue North in St Petersburg to reduce structure and street flooding.
Costs:	Total conceptual project cost: $5,457,000 (TPR, land acquisition and construction) City of St. Petersburg: $2,728,500 (including $300,000 in land acquisition to be used as cooperator match if approved for further funding) District: $2,728,500; The Cooperator has requested $1,500,000 for FY2022 funding, if approved by the Governing Board following TPR and $1,228,500 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 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 event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
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 10 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, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a High Priority	The TPR of final design is anticipated to be completed by December 2021. This will provide the District with additional insight into and confirmation of the measurable benefits and cost effectiveness of the project. Anticipating favorable information from the TPR, staff is recommending FY2022 funding for initiating of construction. Contractually the City will need Governing Board approval to proceed beyond TPR to initiation of construction using District funds.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$1,500,000	$1,228,500	$2,728,500
City of St. Petersburg	$0	$1,500,000	$1,228,500	$2,728,500
Total	**$0**	**$3,000,000**	**$2,457,000**	**$5,457,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q225	SW IMP – Flood Protection – Lafitte Drive
Pasco County	FY2022

Risk Level:	Type 3	Multi-Year Contract: Yes, Year 1 of 4

Description

Description:	Design, permitting, and construction of flood protection best management practices (BMPs) to improve the intermediate or regional stormwater system in the vicinity of Lafitte Dr. in the Sea Pines Community, located within the Hammock Creek Watershed in Pasco County. Requested FY2022 funds would be used for design.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting and construction of stormwater BMPs. Construction will be done in accordance with permitted plans.
Costs:	Total Project Cost: $3,762,834 (land acquisition, design, permitting, and construction) Pasco County: $1,881,417 (includes $250,000 of land acquisition costs as funding match) District: $1,881,417 with $250,000 requested in FY2022 and $1,631,417 anticipated to be requested in future years.

Evaluation

Application Quality:	Low	District PM/CM had to work with cooperator to obtain remaining required information and cooperator was unable to provide required information within the required time frame.
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	The Cooperator has provided a benefit cost analysis that is greater than 1.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 19 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, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pitlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a High Priority	This project consists of the construction of best management practices that will reduce flood risk in the Sea Pines Community of Pasco County. It will provide flood protection for the 100 year, 24-hour event that experiences structure and street flooding and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$250,000	$1,631,417	$1,881,417
Pasco County	$0	$250,000	$1,631,417	$1,881,417
Total	**$0**	**$500,000**	**$3,262,834**	**$3,762,834**

Project No. Q236	Study – Sulphur Springs Flow Feasibility Study
City of Tampa	FY2022

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

Description	
Description:	Conduct a feasibility study to investigate routing excess surface water from Curiosity Creek high flow events, options to store and treat excess storm water, and mechanisms to reduce salinity and improve flow to Sulphur Springs and ultimately the Lower Hillsborough River.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study addressing enhancement of natural systems and improvement of water quality and flooding.
Costs:	Total project costs: $640,000 (study) City of Tampa: $320,000 District: $320,000 with $125,000 requested in FY2022 and $195,000 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	Benefit of the project is to evaluate providing additional freshwater flows to reduce salinity increases in Sulphur Springs and providing additional freshwater flow to the Lower Hillsborough River. Additional benefits to be evaluated are reducing a local flooding issue at Ewanowski Springs and improved stormwater quality. The resource benefits will be clearly defined as a part of the project.
Cost Effectiveness:	High	The cost of this project is similar to other projects of similar scope.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.
Complementary Efforts:	High	The applicant has four or more complementary efforts in the areas of water supply, water quality, flood protection and natural systems.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystems for the benefit of water and water-related resources. **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation	
Fund as a High Priority	The project will complete a study to evaluate the feasibility of routing excess surface water from Curiosity Creek high flow events including storage and treatment options and the mechanisms to reduce salinity and improve flow to Sulphur Springs and the Lower Hillsborough River. Resource benefits, including salinity reductions at Sulphur Springs through various management actions, and cost estimates will be investigated as a part of the study. In addition, the City will investigate the Resource Benefit in relation to the City's proposed PURE project (Q246).

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$125,000	$195,000	$320,000
City of Tampa	$0	$125,000	$195,000	$320,000
Total	**$0**	**$250,000**	**$390,000**	**$640,000**

Project No. Q241	Interconnects – TBW Southern Hillsborough County Transmission Expansion
Tampa Bay Water	FY2022

Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 8

Description

Description:	30 % design and third-party review (TPR) of a potable water transmission interconnection to supply additional alternative water from Tampa Bay Water's High Surface Water Pump Station to Hillsborough County. The transmission interconnection will be approximately 26 miles long and expected to have a maximum day capacity of 65 MGD. The pipeline will deliver only alternative water supplies under normal operating conditions. District funding is for 30% design plans and TPR as this project has a conceptual construction estimate greater than $5 million dollars.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the 30% design plans.
Costs:	Total project cost: $8,918,414 (30% design and TPR) Tampa Bay Water: $4,459,207 District: $4,459,207 with $4,459,207 requested in FY2022. The conceptual estimate for total project cost, including design, TPR, permitting and construction is $290,108,000. It is anticipated that Tampa Bay Water will request funding to complete design, permitting and construction 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, if constructed, will be to provide alternative water supplies to a high growth area of Tampa Bay Water.
Cost Effectiveness:	High	The cost per inch diameter per LF is $31 that is comparable to similar large diameter pipe projects. The initial total cost estimate for the project is preliminary and will be refined as the project moves through the design phase and TPR.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.
Complementary Efforts:	High	Tampa Bay Water provides wholesale drinking water to the counties of Hillsborough, Pasco and Pinellas and the cities of New Port Richey, Tampa, and St. Petersburg.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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 - Regional Water Supply Planning:** Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs

Overall Ranking and Recommendation

Fund as a High Priority	Tampa Bay Water is requesting funds to complete the 30% design plans and TPR. The results from the 30% design plans and TPR will provide the District with better information to confirm the resource benefits and cost effectiveness of the project. Contractually, Tampa Bay Water will need Governing Board approval to proceed beyond 30% design and TPR. Staff is recommending FY2022 funding for the 30% design and TPR.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$4,459,207	$140,594,793	$145,054,000
Tampa Bay Water	$0	$4,459,207	$140,594,793	$145,054,000
Total	**$0**	**$8,918,414**	**$281,189,586**	**$290,108,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q245	Conservation – Pinellas County AMI Metering Analytics Project
Pinellas County	2022

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Implementation of a software program that will promote and encourage water conservation by utility customers. This project will allow software platform setup, including a utility side dashboard, and associated training and will be available for 112,900 retail potable water customers. The software will: notify customers of suspected leaks as they occur; regularly analyze actual daily or hourly water use and notify customers of potential violations of watering restrictions; alert customers to a pre-set threshold usage amount; alert customers about faulty rain or soil moisture sensor based on weather data and daily water use; compare individual customer water use to that of similar households (social norming); and provide a customer portal log-in and graph customers water use over time.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total project cost: $278,828 Pinellas County: $139,414 District: $139,414

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 111,100 gallons per day 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 upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Cooperator has an adjusted gross per capita less than or equal to 80 gpcd.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors to ensure beneficial use. **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

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

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$139,414	$0	$139,414
Pinellas County	$0	$139,414	$0	$139,414
Total	**$0**	**$278,828**	**$0**	**$278,828**

Project No. Q246	Reclaimed – Tampa Hillsborough River MFL "PURE" Project
City of Tampa	FY2022

Risk Level:	Type 2	Multi-Year Contract: Yes, Year 1 of 7

Description

Description:	Third-party review (TPR), modification of 30% design plans including adjustments to the outfall structure, additional water treatment elements, and regulatory activities for the PURE project. A portion of the design that has already been completed solely by the City includes transmission mains and appurtenances to supply Advanced Wastewater Treatment (AWT) quality reclaimed water to the City's recharge/recovery system. Under PURE, the City plans to implement a recharge/recovery system to treat, store and recover AWT quality reclaimed water in the aquifer for subsequent delivery to the Tampa Reservoir/Lower Hillsborough River. Though the City plans to utilize approximately 50 mgd, the CFI project is only considering the replacement of 13.7 mgd which represent the contributions of Sulphur Springs and Morris Bridge Sink (approximately 27.4%) to the minimum flow of the Lower Hillsborough River. The project requires TPR because the conceptual construction estimate is greater than $5 million dollars.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the 30% design plans.
Costs:	Total project cost: $440,000 (TPR and 30% design) City of Tampa: $379,720 District: $60,280 (50% of the 27.4% associated project costs (13.7mgd/50mgd)) requested in FY2022. The conceptual estimate for total project cost, including design, TPR, permitting and construction is $300,000,000. It is anticipated that the City will request funding to complete design, permitting and construction in future years.

Evaluation

Application Quality:	Medium	District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of the project if constructed is the replacement of 13.7 mgd of flows from Sulphur Springs and Morris Bridge Sink used to meet the Lower Hillsborough River minimum flow.
Cost Effectiveness:	High	The 30% design and TPR costs of this project are below the average of similar projects. The initial total cost estimate for the project is preliminary and will be refined as the project moves through the design phase and TPR.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 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	Project is ready to begin on or before December 1, 2021.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as a High Priority	The City is requesting funds to modify the City-funded 30% design plans and TPR. The results from the 30% design and TPR will provide the District with better information to confirm costs and resource benefits. The District's reduced cost-share is based on the project replacing flows from Sulphur Springs and Morris Bridge Sink used to meet the Lower Hillsborough River minimum flow. The resource benefits of eliminating the diversion of Sulphur Springs flows will be evaluated in the proposed Q236 Sulphur Springs Feasibility Study.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$0	$60,280	$41,039,720	$41,100,000
City of Tampa	$0	$379,720	$258,520,280	$258,900,000
Total	**$0**	**$440,000**	**$299,560,000**	**$300,000,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q256	Conservation – St. Petersburg Sensible Sprinkling Program - Phase 10
City of St. Pete	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description

Description:	Make available approximately 300 irrigation evaluations to single family, multi-family and commercial customers. This will include program administration and evaluations with recommendations for optimizing the use of water outdoors through Florida-friendly Landscaping TM practices and other efficient irrigation best management practices. Approximately 300 rain sensor devices will be provided and installed for project participants who do not have a functioning device. Also included are educational materials, program promotion, follow-up evaluations and surveys necessary to ensure the success of the program. Should actual costs be less than anticipated, the cooperator may perform more installations/evaluations as funds are available.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $100,000 City of St Pete: $50,000 District: $50,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 54,900 gallons per day of water conserved in the NTB WUCA.
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 9 on-going projects.
Complementary Efforts:	High	Applicant's complementary efforts include an ordinance to support year-round two-days per week irrigation restrictions, actively enforces watering restrictions and has an active water conservation program.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors to ensure beneficial use. **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as a High Priority	This project conserved water supply in the NTB WUCA and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$50,000	$0	$50,000
City of St. Pete	$0	$50,000	$0	$50,000
Total	**$0**	**$100,000**	**$0**	**$100,000**

Project No. Q259	Conservation – Tarpon Springs Water Conservation Program Phase III
City of Tarpon Springs	FY2022

Risk Level:	Type 1	Multi-Year Contract: No

Description	
Description:	Make available financial incentives and services to customers for up to three conservation activities, including: residential and commercial high-efficiency toilets, residential irrigation system evaluations and indoor and outdoor do-it-yourself conservation kits. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.
Measurable Benefit:	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.
Costs:	Total project cost: $30,000 City of Tarpon Springs: $15,000 District: $15,000

Evaluation		
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of this project is the conservation of approximately 3,744 to 5,746 gallons per day of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA). Savings will vary based on the participation rate across the three possible conservation activities.
Cost Effectiveness:	Medium	Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.
Complementary Efforts:	Medium	Applicant has the complementary efforts of water loss less than the District average and, pending implementation of this program, an active conservation program.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors to ensure beneficial use. **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation	
Fund as a High Priority	Project conserves potable water in the NTBWUCA and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$15,000	$0	$15,000
City of Tarpon Springs	$0	$15,000	$0	$15,000
Total	**$0**	**$30,000**	**$0**	**$30,000**

Project No. W024	FY2022 Tampa Bay Environmental Restoration Fund
Tampa Bay Estuary Program	FY2022

Risk Level:	Type 3	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: $350,000 District: $350,000 requested in FY2022 (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 natural systems 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 upon an assessment of the schedule and budget for the 9 ongoing projects.
Complementary Efforts:	High	Applicant funds projects that are complementary to preserve natural systems and improve water quality.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **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 a 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 - FY2020 the TBERF funded 72 projects at a total grant amount of $6.6 million. Nine District projects have been funded at a grant amount of $1.45 million.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$350,000	$0	$350,000
Tampa Bay Estuary Program	$0	$350,000	$0	$350,000
Total	**$0**	**$700,000**	**$0**	**$700,000**

Project No. W103	Restoration – Roosevelt Creek Channel 5 Improvements
Pinellas County	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description	
Description:	Modification of a salinity barrier, sediment removal and exotic species control on Roosevelt Creek Channel 5 to restore natural systems associated with Tampa Bay, a SWIM priority waterbody. The Cooperator will be required to convey a conservation easement over the project area to the District.
Measurable Benefit:	The contractual Measurable Benefit will be the modification of a salinity barrier and the removal of sediments and invasive species to restore 12 acres of natural systems associated with Tampa Bay, a SWIM priority waterbody. Construction will be done in accordance with permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $700,000 (construction) Pinellas County: $350,000 District: $350,000

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of the project is restoration of natural systems of approximately 12 acres 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:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Applicant 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, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Conservation and Restoration:** Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation	
Fund as a High Priority	The project is cost effective and will continue efforts by the County to enhance natural systems in Tampa Bay, a SWIM priority waterbody.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$350,000	$0	$350,000
Pinellas County	$0	$350,000	$0	$350,000
Total	**$0**	**$700,000**	**$0**	**$700,000**

Project No. W106	SW IMP – Water Quality – Starkey M10 Stormwater Facility Quality Improvements
Pinellas County	FY2022

Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Construction of a stormwater pond and modification of an existing stormwater system to improve water quality discharging to Boca Ciega Bay within the Tampa Bay watershed, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be construction of BMPs to treat approximately 114 acres of stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $648,000 (construction) Pinellas County: $324,000 District: $324,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of the project is the reduction of pollutant loads to Tampa Bay by an estimated 492 lbs/yr TN and 146 lbs/yr TP.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average $176 and $475/lb.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

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 a High Priority	The project is cost effective and will reduce stormwater impacts to Tampa Bay, a SWIM priority water body. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$324,000	$0	$324,000
Pinellas County	$0	$324,000	$0	$324,000
Total	**$0**	**$648,000**	**$0**	**$648,000**

Project No. W298	SW IMP – Water Quality – Philippe Bay Stormwater Quality Upgrades
Philippe Bay Neighborhood Association	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	Construction of stormwater BMPs for the Philippe Bay Neighborhood Association, a private entity, to improve water quality discharging into Tampa Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of BMPs to treat stormwater runoff from approximately 27 acres of urban residential watershed. Construction will be in accordance with permitted plans.
Costs:	Total Project Cost: $120,000 (construction) Philippe Bay Neighborhood Association: $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:	Medium	The Resource Benefit of the project is the reduction of Total Nitrogen loads to Old Tampa Bay by an estimated 97 lbs/yr TN, and a reduction of Total Phosphorus loads by an estimated 30 lbs/yr TP.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average of $176/lb. The estimated cost/lb of TP removed is below the historical average of $1498/lb.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	Medium	Applicant follows the City of Safety Harbor ordinances to implement complimentary water quality efforts.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

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 a High Priority	The project is cost effective and improves water quality discharging to Tampa Bay, a SWIM priority water body. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$60,000	$0	$60,000
Philippe Bay Neighborhood Association	$0	$60,000	$0	$60,000
Total	**$0**	**$120,000**	**$0**	**$120,000**

Project No. N865	SW IMP – Flood Protection – Magnolia Valley Storage and Wetland Enhancement Project
Pasco County	FY2022

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

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 (TPR). The District required a TPR because this project has a conceptual estimate greater than $5 million dollars. The FY2022 funding request is to start construction.
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 in accordance with the permitted plans.
Costs:	Total conceptual project cost: $13,000,000 (design, TPR, permitting, and construction) Pasco County: $6,500,000 District: $6,500,000 with $500,000 budgeted in previous years, $250,000 requested in FY2022 and $5,750,000 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 occur 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 upon an assessment of the schedule and budget for the 19 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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource

Overall Ranking and Recommendation

Fund as a Medium Priority	30% design and TPR is anticipated to be completed by December 2020. Contractually, the County will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the TPR, and with the understanding that the Governing Board will need to provide approval to proceed, FY2022 funding would be used to start construction.

Funding

Funding Source	Prior	FY2022	Future	Total*
District	$500,000	$250,000	$5,750,000	$6,500,000
Pasco County	$500,000	$250,000	$5,750,000	$6,500,000
Total	**$1,000,000**	**$500,000**	**$11,500,000**	**$13,000,000**

*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q219	WMP – Sutherland Bayou Watershed Management Plan
Pinellas County	FY2022

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

Description

Description:	Complete a Watershed Management Plan (WMP) for the Sutherland Bayou in Pinellas County, through and including watershed evaluation, stormwater floodplain analysis, level of service (LOS) determination, surface water resource assessment (SWRA), and best management practice (BMP) alternative analysis. FY2022 funding will be used to begin the watershed evaluation phase of the project.
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: $300,000 Pinellas County: $150,000 District: $150,000 with $50,000 requested in FY2022 and $100,000 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 $87,000/sq mi) for WMPs completed in urban watersheds. This is a heavily urbanized watershed that will require a high level of effort during the watershed evaluation and floodplain analysis phases of the project.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 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, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a Medium Priority	This project develops a watershed management plan to identify flood risks in areas with no detailed study information available.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$50,000	$100,000	$150,000
Pinellas County	$0	$50,000	$100,000	$150,000
Total	**$0**	**$100,000**	**$200,000**	**$300,000**

Project No. Q221	Study – Curlew Creek & Smith Bayou Feasibility Study	
Pinellas County		FY2022
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description	
Description:	Develop a Preliminary Engineering Report (PER) that evaluates proposed best management practices (BMPs) in the Curlew Creek & Smith Bayou Watersheds in Pinellas County. The projects were identified in the prior Curlew Creek & Smith Bayou Watershed Improvement Plan BMP Alternatives Analysis (N734). Study will refine the model, provide more detail for water quality, natural systems and flood protection benefits, project costs, property rights/acquisition needs, and permitting/mitigation requirements for proposed BMPs.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study and a PER to evaluate alternatives to reduce flooding, improve water quality and enhance natural systems within the Curlew Creek & Smith Bayou Watershed. Structure and street flooding currently occur in the project area.
Costs:	Total project cost: $722,000 (study) Pinellas County: $361,000 District: $361,000 with $180,500 requested in FY2022 and $180,500 anticipated to be requested in future years.

Evaluation		
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	Medium	The project benefit is a study that will evaluate stormwater improvement alternatives for flood protection and water quality improvement. Currently, flood analysis models are available, are less than 5 years old, and the watershed includes regional or intermediate stormwater systems.
Cost Effectiveness:	Medium	Project cost per square mile is greater than historic costs for model updates. Costs are comparable to other feasibility studies. Project combines elements of both project types.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **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. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation	
Fund as a Medium Priority	The project will complete a study to evaluate and further define solutions to reduce flooding, improve water quality and enhance natural systems in the Curlew Creek & Smith Bayou Watershed. It uses an existing watershed model and recommendations from the Curlew Creek & Smith Bayou BMP alternatives analysis. The project combines elements of a model update and a feasibility study.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$180,500	$180,500	$361,000
Pinellas County	$0	$180,500	$180,500	$361,000
Total	**$0**	**$361,000**	**$361,000**	**$722,000**

Project No. Q226	WMP – Hillsborough County Countywide Watershed Model Migration and Integration
Hillsborough County	FY2022

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

Description

Description:	Development of three river basin models for the entire County from 17 individual watershed models, migration of river basin models to EPA SWMM, and integration of model information into County's SCADA system. The integrated and migrated river basin models can appropriately determine flood risks in the vicinity of watershed boundaries and volume sensitive areas, which are being identified through the cooperatively funded project Peak/Volume Sensitive (N844). Model results will be further integrated into real-time monitoring systems that are being developed through the cooperatively funded project Hillsborough County SCADA System (Q213). FY2022 funding will be used to develop river basin models and start model migration.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of development of river basin models, migration of river basin models to EPA SWMM, and integration of model information into County's SCADA system.
Costs:	Total project cost: $2,000,000 Hillsborough County: $1,000,000 District: $1,000,000 with $500,000 requested in FY2022 and $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:	Medium	The benefit of this project is to better determine flood risks in the vicinity of watershed boundaries and volume sensitive areas as well as support emergency operations in preparation for storm events.
Cost Effectiveness:	Medium	Project cost is considered reasonable based upon County's 17 WMP updates.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 24 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, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a Medium Priority	The project will develop integrated and migrated river basin models that improve accuracy of floodplain information used by District Regulation and County Land Development to make sound regulatory decisions. The information will also support emergency operations in preparation for storm events.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$500,000	$500,000	$1,000,000
Hillsborough County	$0	$500,000	$500,000	$1,000,000
Total	**$0**	**$1,000,000**	**$1,000,000**	**$2,000,000**

Project No. Q227	Study – 76th Street West Bypass Feasibility Study
Hillsborough County	FY2022

Risk Level:	Type 3	Multi-Year Contract: No

Description

Description:	The feasibility study will evaluate the proposed drainage solution for constructability, permit-ability and floodplain level of service (FPLOS) benefit for the 76th St West Bypass project located in the Delaney/Archie Creek Watershed. The results of the proposed feasibility study will help determine whether Hillsborough County moves forward with formal design and construction. Integration of pollution load reduction strategies may be incorporated to provide water quality benefits.
Measurable Benefit:	The contractual Measurable Benefit will the completion of a feasibility study that evaluates the constructability, permitability and floodplain level of service (FPLOS) benefit for the 76th St West Bypass flood protection project.
Costs:	Total project cost: $100,000 (study) Hillsborough County: $50,000 District: $50,000 requested in FY2022

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is to determine permittable, constructible and feasible drainage improvements for the community adjacent to the channel east of 76th St within the Delaney Creek Watershed. If an appropriate project alternative is identified, a future formal design/construction would occur to provide flood protection for this community. Potential water quality improvements may result from implementation of the identified project alternative.
Cost Effectiveness:	Medium	Costs are consistent with the cost of similar District funded feasibility studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 24 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, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a Medium Priority	The feasibility study will determine the feasibility of implementing an effective flood protection project in the vicinity of 76th Street and 12th Avenue, improving the FPLOS for the area.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$50,000	$0	$50,000
Hillsborough County	$0	$50,000	$0	$50,000
Total	**$0**	**$100,000**	**$0**	**$100,000**

Project No. Q228	WMP – City of Madeira Beach Watershed Management Plan
City of Madeira Beach	FY2022

Risk Level:	Type 3	**Multi-Year Contract:**	No

Description

Description:	Complete Watershed Management Plan (WMP) for the City of Madeira Beach in Pinellas County. The WMP will include Watershed Evaluation and generation of a watershed model, a stormwater master plan, stormwater level of service (LOS) determination, best management practices (BMPs) alternative analysis, and a peer review.
Measurable Benefit:	The contractual Measurable Benefit will be the development of a WMP that identifies floodplains, establishes LOS and evaluates BMPs to address flooding concerns in the City of Madeira Beach Watershed.
Costs:	Total project cost: $148,492 City of Madeira Beach: $74,246 District: $74,246.16 with $74,246 requested in FY2022.

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. This coastal watershed primarily includes local systems and is highly developed.
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than $87,000/sq mi) for WMPs completed in urban watersheds. This is a heavily urbanized and coastal watershed that will require a high level of effort during the watershed evaluation and floodplain analysis phases of the project.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 7 and is in the 6 to 9 range.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Floodplain Management:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. **Tampa Bay Region Priority: Flood Protection:** Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.

Overall Ranking and Recommendation

Fund as a Medium Priority	This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood insurance 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	FY2022	Future	Total
District	$0	$74,246	$0	$74,246
City of Madeira Beach	$0	$74,246	$0	$74,246
Total	**$0**	**$148,492**	**$0**	**$148,492**

Project No. Q233	Study – Clearwater Harbor/St Joseph Sound Nitrogen Source Identification
Pinellas County	FY2022

Risk Level:	Type 3	Multi-Year Contract: Yes, Year 1 of 4

Description

Description:	Review of existing water resource data in Clearwater Harbor/St Joseph's Sound (CHSJS) watershed and waterbodies to develop a targeted water quality sampling effort to better understand nutrient sources and propose management practices aimed at reducing nutrients to CHSJS. The project will quantify benefits and develop cost estimates.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of this study.
Costs:	Total Project cost: $400,000 (study) Pinellas County: $200,000 District: $200,000 with $50,000 requested in FY2022 and and $150,000 anticipated to be requested in future years.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guideline. District PM/CM had to work with the cooperator to obtain remaining required information.
Project Benefit:	Medium	The benefit of this project is the identification of nutrient loading into CHSJS waterbody and a quantified benefits and preliminary project costs to reduce these nutrients. The CHSJS waterbody has shown an increase in nitrogen loading and has exceeded state water quality criteria for the last three years.
Cost Effectiveness:	Medium	The cost effectiveness for this study is slightly higher than comparable past projects.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	High	Project is ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	Medium	**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.

Overall Ranking and Recommendation

Fund as a Medium Priority	This project will collect water resource data, assess nutrients, identify nutrient sources and propose conceptual BMPs to reduce nutrient loading. The project will quantify benefits and develop cost estimates.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$50,000	$150,000	$200,000
Pinellas County	$0	$50,000	$150,000	$200,000
Total	**$0**	**$100,000**	**$300,000**	**$400,000**

Project No. Q274	Reclaimed – Zephyrhills to Pasco County Reclaimed Water Interconnect
Zephyrhills	FY2022

Risk Level:	Type 2	Multi-Year Contract: No

Description

Description:	Design, permitting and construction of approximately 10,000 feet of reclaimed water transmission, a 1 mgd booster pump station and other necessary appurtenances to interconnect the City's reclaimed water system to Pasco County's reclaimed water system to meet diurnal and seasonal County reclaimed water demands. The project will enable the supply of reclaimed water to future customers in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of a reclaimed water interconnect and booster pump station that will enable the city to supply reclaimed water to Pasco County for future customers that will enable future water savings in the Northern Tampa Bay Water Use Caution Area (NTBWUCA). Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $1,760,000 (design, permitting and construction) Zephyrhills: $880,000; District: $880,000, with all requested in FY2022.

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with the cooperator to obtain the remaining required information.
Project Benefit:	Medium	The benefit will be the improvement of reclaimed water availability to enable future reclaimed water system expansions.
Cost Effectiveness:	Medium	The costs are slightly higher (~15%+) than the range of costs for similar storage and pumping projects co-funded by the District.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	The Cooperator has a program in place that includes metering and an incentivized 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 ready to begin on or before December 1, 2021.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

Overall Ranking and Recommendation

Fund as a Medium Priority	The project is recommended for funding as it will improve the availability of reclaimed water for future reclaimed water system expansions and is cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$880,000	$0	$880,000
Zephyrhills	$0	$880,000	$0	$880,000
Total	**$0**	**$1,760,000**	**$0**	**$1,760,000**

Project No. W102	SW IMP – Water Quality – Town of Redington Beach Stormwater Retrofits Phase II
Town of Redington Beach	FY2022

Risk Level:	Type 3	Multi-Year Contract: No

Description

Description:	Design, permitting, and construction of stormwater retrofits in the City of Redington Beach to improve water quality discharging to Boca Ciega Bay within the Tampa Bay watershed, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 5 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total project cost: $150,000 (Design, permitting, construction) Town of Redington Beach: $75,000 District: $75,000

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:	Medium	The Resource Benefit of the project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 47 lbs/yr TN and 11 lbs/yr TP. This project will also have ancillary flood protection benefits.
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average of $176/lb. The estimated cost/lb of TP removed is below the historical average of $1498/lb.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	Applicant has an active stormwater utility that collects fees.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2022.

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 a Medium Priority	This project improves water quality discharging to Tampa Bay, a SWIM priority water body. This project will also have ancillary flood protection benefits. The Governor's Executive Order 19-12 instructs the five water management districts to prioritize funding to focus on projects that will address harmful algal blooms and maximize nutrient reductions.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$75,000	$0	$75,000
Town of Redington Beach	$0	$75,000	$0	$75,000
Total	**$0**	**$150,000**	**$0**	**$150,000**

Project No. Q222	SW IMP – Flood Protection – Buzzard Lake	
Pasco County		FY2022
Risk Level:	Type 2	**Multi-Year Contract:** No

Description	
Description:	Construction of a conveyance system to divert water from the Buzzard Lake neighborhood west to the northern Crews Lake system. The project was selected based on repetitive flooding in recent years and the floodplain information from the Pithlachascotee / Bear Creek Watershed Management Plan (WMP). FY2022 funds will be used to complete construction.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a stormwater conveyance system in the area of the Buzzard Lake Neighborhood. Construction will be in accordance with permitted plans.
Costs:	Total project costs: $302,000 (construction) Pasco County: $151,000 District: $151,000 requested in FY2022.

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 Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.
Cost Effectiveness:	Low	Benefit/Cost ratio is less than 0.7.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 19 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, 2022.

Strategic Goals		
Strategic Goals:		

Overall Ranking and Recommendation	
Low Priority Not Recommended for funding	While there is a reduction in street flooding, there is not for structures and the project is not cost effective.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$151,000	$0	$151,000
Pasco County	$0	$151,000	$0	$151,000
Total	**$0**	**$302,000**	**$0**	**$302,000**

Project No. Q235	SW IMP – Flood Protection – Quail Hollow Blvd
Pasco County	FY2022

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

Description

Description:	Land acquisition, design, permitting, and construction of select recommendations from the Cypress Creek Alternative Analysis to reduce the frequency, duration, and extent of structural and street flooding in the Quail Hollow area. The project consists of enlarging culverts under multiple locations on Quail Hollow Boulevard and Apple Blossom Lane, construction of a new runoff diversion ditch on the south side of Apple Blossom Lane, conveyance improvements to a natural tributary flow-way between Quail Hollow Boulevard and Apple Blossom Lane, and construction of an attenuation pond. FY2022 funding would be used for design. Future funding for land acquisition, permitting and construction.
Measurable Benefit:	The contractual Measurable Benefit will be the design and construction of stormwater conveyance improvements in the Quail Hollow neighborhood. Construction will be in accordance with permitted plans.
Costs:	Total project cost: $7,055,246 (land acquisition, design, permitting, and construction) Pasco County: $3,527,623 (Includes $1,190,253 of land acquisition costs as funding match) District: $3,527,623 with $400,000 requested in FY2022 and $3,127,623 anticipated to be requested in future years.

Evaluation

Application Quality:	Low	District PM/CM had to work with cooperator to obtain remaining required information and cooperator was unable to provide required information within the required time frame.
Project Benefit:	Low	Insufficient information to define project benefit, but could have greater benefit with more refinement.
Cost Effectiveness:	Low	The Cooperator has provided a benefit cost analysis that is greater than 1. However, errors have been identified and the Cooperator is working to correct these if conditions warrant.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.
Complementary Efforts:	Medium	Cooperator's Community Rating System class is a 6 and is in the 6 to 9 range.
Project Readiness:	Low	Project is not expected to begin until after March 1, 2022.

Strategic Goals

Strategic Goals:		

Overall Ranking and Recommendation

Low Priority Not Recommended for funding	The project is ranked low because the information provided is insufficient to rank the project. Cost Effectiveness might change as the County continues to define the land acquisition, project parameters, and overall costs. If the ranking changes from low, then the project would require a third-party review at thirty percent design.

Funding

Funding Source	Prior	FY2022	Future	Total
District	$0	$400,000	$3,127,623	$3,527,623
Pasco County	$0	$400,000	$3,127,623	$3,527,623
Total	**$0**	**$800,000**	**$6,255,246**	**$7,055,246**

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA.