SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Southern Region

FY2021 Cooperative Funding Initiative

Preliminary Project Evaluations and Rankings

Southwest Florida
Water Management District

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Southern Region
FY2021 Proposed Project Funding
February 6, 2020

Page	Project	Cooperator	Project Name	Rank	District Prior Funding	FY2021 Proposed District Funding	District Future Funding
Projects Ranked 1A Priority							
1	W639	Bradenton Bch	SW IMP - Water Quality - Bradenton Beach BMPs Avenue B and C	1A	148,769	116,696	0
2	W641	Holmes Bch	SW IMP - Water Quality - Northern Holmes Beach BMPs - Basins 10 and 12	1A	128,894	128,894	0
Projects Ranked High Priority							
3	Q139	North Port	Study - North Port Direct Potable Reuse Feasibility	H	0	125,000	0
4	Q145	Longboat Key Club	Conservation - Longboat Key Club Advanced Irrigation System	H	0	557,500	0
5	Q148	Manatee Co	WMP - Cow Pen Slough Watershed	H	0	135,000	135,000
6	Q151	Manatee Co	WMP - South Manatee County Watersheds	H	0	372,000	372,000
7	Q159	Sarasota Co	DAR - Sarasota County Bee Ridge Water Reclamation Facility Aquifer Recharge	H	0	1,090,662	0
8	Q160	Sarasota Co	Reclaimed - Sarasota Co. Honore Ave Reclaimed Water Transmission	H	0	500,000	1,000,000
9	Q168	Manatee Co	Conservation - Manatee Co. Toilet Retrofit Phase 14	H	0	82,500	0
10	Q179	Venice	Conservation - Venice Toilet Rebate and Retrofit Phase 8	H	0	29,450	0
11	Q185	North Port	Conservation - North Port Water Distribution Hartsdale/Aldonin/Totem Area Looping	H	0	207,500	0
12	Q191	Manatee Co	WMP - North Manatee County Watersheds	H	0	383,625	383,625
13	Q202	PRMRWSA	Study - PRMRWSA Southern Regional Loop Phase 2B & 2C Feasibility and Routing	H	0	120,000	0
14	Q205	PRMRWSA	Study - PRMRWSA Phase 3C Integrated Loop Routing and Feasibility	H	0	200,000	100,000
15	Q212	PRMRWSA	Study - PRMRWSA Reservoir #3 Feasibility and Siting	H	0	625,000	0
16	Q214	Palmetto	Conservation - Palmetto Toilet Rebate Phase 2	H	0	30,000	0
17	W297	Manatee Co	Study - Pearce Drain/Gap Creek Water Quality Plan	H	0	55,000	0
18	W643	Anna Maria	SW IMP - Water Quality - Anna Maria BMPs Phase K	H	0	300,000	0
19	W644	Sarasota Co	Study - Sarasota County Groundwater Nutrient Evaluation	H	0	150,000	0
Projects Ranked Medium Priority							
20	Q050	Venice	ASR - City of Venice Reclaimed Water ASR	M	82,500	150,000	2,298,750
21	Q157	Bradenton	SW IMP - Flood Protection - City of Bradenton Village of the Arts South Drainage Improvements from 13th Ave. W. to 17th Ave. W.	M	0	100,000	1,070,000
				Recommended for Funding Total:		**$5,458,827**	**$5,359,375**
Projects Ranked Low and/or Not Recommended							
22	Q141	Manatee Co	SW IMP - Flood Protection - Bowlees Creek Flood Mitigation	L	0	139,852	139,853
23	Q180	Manatee Co	SW IMP - Flood Protection - Centre Lake Flood Mitigation	L	0	400,000	3,822,000
24	Q208	Sarasota Co	Study - Sarasota Bay Septic to Sewer Water Quality Study	N/R	0	2,500,000	0
				Not Recommended for Funding Total:		**$3,039,852**	**$3,961,853**
				Southern Region Total:		**$8,498,679**	**$9,321,228**

Project No. W639	SW IMP – Water Quality – Bradenton Beach BMPs Avenue B and C	
Bradenton Beach		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 3 of 3

Description	
Description:	Design, permitting, and construction of stormwater retrofits in the City of Bradenton Beach to improve water quality discharging to Sarasota Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 34 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $530,930 (Design, permitting, construction) City of Bradenton Beach: $265,465 District: $265,465, with $148,769 budgeted in previous years and $ 116,696 requested in FY2021.

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 24,105 lb/yr TSS, and 676 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS removed is below the historical average of $20/lb. The estimated cost/lb of TN removed is below the historical average of $646/lb. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.
Past Performance:	High	Based on 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 ongoing and on schedule.

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

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

Funding

Funding Source	Prior	FY2021	Future	Total
District	$148,769	$116,696	$0	$265,465
Bradenton Beach	$148,769	$116,696	$0	$265,465
Total	$297,538	$233,392	$0	$530,930

Project No. W641	SW IMP – Water Quality – Northern Holmes Beach BMPs - Basins 10 and 12	
Holmes Beach		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 2 of 2

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 LID BMPs to treat approximately 20 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: $515,576 (Design, permitting, construction) City of Holmes Beach: $257,788 District: $257,788, with $128,894 budgeted in FY2020 and $128,894 requested in FY2021.

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 15,848 lb/yr TSS, and 187 lb/yr TN.
Cost Effectiveness:	High	The estimated cost/lb of TSS is below the historical average of $5/lb. The estimated cost/lb of TN removed is below the historical average of $176/lb. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.
Past Performance:	High	Based on 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 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. **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 is cost effective and will continue efforts by the City to reduce stormwater impacts to Tampa Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$128,894	$128,894	$0	$257,788
Holmes Beach	$128,894	$128,894	$0	$257,788
Total	$257,788	$257,788	$0	$515,576

Project No. Q139	Study – North Port Direct Potable Reuse Feasibility	
City of North Port		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	A direct potable reuse (DPR) feasibility study to provide information on the potential future development of a DPR project for new potable water supply. The project will include data collection and laboratory services necessary to determine the quantity and quality of water sources. Source water characterization will include regulated, unregulated and emerging constituents. The study will also include a desktop evaluation and costing of available advanced treatment technologies for reclaimed water.
Measurable Benefit:	The contractual Measurable Benefit will include the completion of a feasibility study to determine the quantity and quality of sources and the conceptual costing of treating reclaimed water for new portable water supplies within the Southern Water Use Caution Area.
Costs:	Total project cost: $250,000 (Feasibility); City of North Port: $125,000; District: $125,000, all requested in FY2021

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit is the completion of a feasibility study to determine the quantity and quality of sources and the conceptual costing of treating reclaimed water for new potable water supplies.
Cost Effectiveness:	High	The costs are consistent with the range of costs for similarly funded District reclaimed recharge and indirect potable reuse studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	North Port 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, 2020.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Alternative Water Supplies**: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. **Southern Region Priority**: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

Overall Ranking and Recommendation

Fund as High Priority.	The project is recommended for funding, as it will provide valuable information necessary for the potential development of a future potable reuse option. Future full scale potable reuse projects will be considered AWS and must meet the Governing Board's Cooperative Funding Initiative Policy which supports multi-jurisdictional development of alternative water supplies.

Funding

Funding Source	Prior	FY2021	Future	Total
City of North Port	$0	$125,000	$0	$125,000
District	$0	$125,000	$0	$125,000
Total	$0	$250,000	$0	$250,000

Project No. Q145	Conservation – Longboat Key Club Advanced Irrigation System	
Longboat Key Club		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	Installation of an advanced irrigation system including high efficiency spray heads and remote communication for the Resort at Longboat Key Club's Harbourside golf course, a private course. This higher level of precision irrigation will result in a reduction of irrigated acreage and better distribution uniformity of irrigation events. This project also includes the replacement of turf with native landscaping to futher reduce irrigable acreage.
Measurable Benefit:	The contractual Measurable Benefit is the installation of a new advanced irrigation system and associated components to reduce groundwater withdrawls in the Southern Water Use Caution Area (SWUCA). In addition, the completion of a final report documenting pre and post water usage.
Costs:	Total Project Cost: $1,115,000 Longboat Key Club: $557,500 District: $557,500

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of this project is an estimated 94,600 gallons per day of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	Medium	Project cost effectivess is between $3.01 and $6.00 per thousand gallons saved.
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts:	High	The Resort at Longboat Key Club has enhanced their water use efficiency with a new irrigation system on 9 of 27 holes at their Harbourside course, as well as through the replacement of turf with native landscaping. They are looking to further these efforts on the remaining 18 holes through this project.
Project Readiness:	High	Project is ready to begin on or before December 1, 2020.

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 High Priority.	Project will conserve water in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$557,500	$0	$557,500
Longboat Key Club	$0	$557,500	$0	$557,500
Total	$0	$1,115,000	$0	$1,115,000

Project No. Q148	WMP – Cow Pen Slough Watershed	
Manatee County		FY2021
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 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 Practice (BMP) alternative analysis for the Cow Pen Slough Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation 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: $540,000 Manatee County: $270,000 District: $270,000 with $135,000 requested in FY2021 and $135,000 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 ($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 2 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, 2020.

Strategic Goals		
Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning**: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative - Floodplain Management**: 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 High Priority.	This project identifies flood risk in an area with limited 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	FY2021	Future	Total
District	$0	$135,000	$135,000	$270,000
Manatee County	$0	$135,000	$135,000	$270,000
Total	$0	$270,000	$270,000	$540,000

Project No. Q151	WMP – South Manatee County Watersheds	
Manatee County		FY2021
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 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 Practice (BMP) alternative analysis for the South County Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation 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: $1,488,000 Manatee County: $744,000 District: $744,000 with $372,000 requested in FY2021 and $372,000 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:	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 2 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, 2020.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning**: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative - Floodplain Management**: 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 High Priority.	This project identifies flood risk in an area with limited 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	FY2021	Future	Total
District	$0	$372,000	$372,000	$744,000
Manatee County	$0	$372,000	$372,000	$744,000
Total	$0	$744,000	$744,000	$1,488,000

Project No. Q159	DAR – Sarasota County Bee Ridge Water Reclamation Facility Aquifer Recharge	
Sarasota County		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	This project is for the recharge of reclaimed water meeting high-level disinfection standards into the Upper Floridan aquifer for SWUCA/MIA recovery. The overall project components include construction of two recharge wells, three monitoring wells, a pump station, interconnecting piping, appurtenances necessary for recharge, monitoring and testing. The County will fund all permitting, design, bidding and construction of one recharge well, one monitoring well, the pump station, interconnecting piping, appurtenances necessary for recharge, monitoring and testing. District funding is requested in FY21 for construction of one recharge well, two monitoring wells, and testing.
Measurable Benefit:	The contractual measurable benefit will be construction, testing, and operation of the site for 20 years at a minimum injection rate of 5 MGD calculated using a five-year moving average for two wells.
Costs:	Total Project Cost: $2,181,324 (Construction of one recharge well, two monitoring wells and testing) Sarasota County share: $1,090,662 District share: $1,090,662

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 to expand the use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA.
Cost Effectiveness:	High	The project is consistent with the range of costs for similarly funded projects.
Past Performance:	Medium	Based on assessment of the schedule and budget for the 3 ongoing projects.
Complementary Efforts:	High	Sarasota County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users. Additionally the Cooperator has a program in place that has proactive reclaimed expansion policies which maximize utilization and environmental benefits.
Project Readiness:	High	Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - 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 High Priority.	This project will expand beneficial use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA. The County may pursue potential future net benefit or impact offset potable water supply based on this project. If pursued, contractually, the County will be required to comply with District cooperative funding guidelines, policies, and procedures and water use permitting rules. If successful, this project is expected to improve aquifer levels in the MIA of the SWUCA.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$1,090,662	$0	$1,090,662
Sarasota County	$0	$1,090,662	$0	$1,090,662
Total	$0	$2,181,324	$0	$2,181,324

Project No. Q160	Reclaimed – Sarasota Co. Honore Ave Reclaimed Water Transmission Project	
Sarasota County		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	This project is for the design, permitting and construction of approximately 17,500 feet of reclaimed water transmission mains and other necessary appurtenances to supply approximately 1,066 homes within the Palmer Ranch portion of the Sarasota County reclaimed water service area and to enable supply to future planned subdivisions.
Measurable Benefit:	The contractual Measurable Benefit of this project is the supply of 533,265 gpd of reclaimed water to residential homes for an anticipated 351,955 gpd of water savings within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA). Construction will be done in accordance with the permitted plans.
Costs:	Total project cost: $3,000,000 (Design, Permitting, Construction) District Share: $1,500,000 with $500,000 requested in FY2021 and $1,000,000 anticipated to be requested in future years. Sarasota County Share: $1,500,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit is the supply of 533,265 gpd of reclaimed water to residential irrigation customers for an anticipated 351,955 gpd of water savings wtihin the Most Impacted Area of the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	The capital cost/gpd is $8.52 per gallon per day which is lower than $10 to $15 per gallon average for alternative supplies. The estimated cost benefit is $2.06 per 1,000 gallons of water resource benefit which is within the cost range for reuse project which typically range from a low of $0.15 per 1,000 gallons for golf course projects and up to $10.00 per 1,000 gallons for residential projects.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 3 ongoing projects.
Complementary Efforts:	High	Sarasota County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits and environmental benefits.
Project Readiness:	Medium	Project is expected to begin on or before March 1, 2021.

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 High Priority.	The project is recommended for funding as it reduces reliance on traditional supplies in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$500,000	$1,000,000	$1,500,000
Sarasota County	$0	$500,000	$1,000,000	$1,500,000
Total	$0	$1,000,000	$2,000,000	$3,000,000

Project No. Q168	Conservation – Manatee Co. Toilet Retrofit Phase 14	
Manatee County		FY2021
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. This project will make available rebates and program administration for the replacement of approximately 1,000 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program. 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 Costs: $165,000 Manatee County: $82,500 District: $82,500

Evaluation

Application Quality:	High	Application included all of the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is an estimated 26,380 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	Medium	Cooperator per capita is between 75 and 125 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2021.

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

Funding

Funding Source	Prior	FY2021	Future	Total
Manatee County	$0	$82,500	$0	$82,500
District	$0	$82,500	$0	$82,500
Total	$0	$165,000	$0	$165,000

Project No. Q179	Conservation – Venice Toilet Rebate and Retrofit Phase 8	
City of Venice		FY2021
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. This project will make available rebates and program administration for the replacement of approximately 249 high flow toilets and urinals. In addition, approximately 400 do-it-yourself conservation kits will be distributed. These include educational materials, low-flow showerheads, and leak detection dye tablets. 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 the implementation of the program and the completion of a Final Report.
Costs:	Total Project Cost: $58,900 City of Venice: $29,450 District: 29,450

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 6,852 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.
Complementary Efforts:	High	Cooperator per capita is below 75 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2021.

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 High Priority.	Project conserves potable water in the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$29,450	$0	$29,450
City of Venice	$0	$29,450	$0	$29,450
Total	$0	$58,900	$0	$58,900

Project No. Q185	Conservation – North Port Water Distribution Hartsdale/Aldonin/Totem Area Looping Project	FY2021
City of North Port		

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

Description

Description:	Construction of approximately 6,000 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 three areas by allowing potable water circulation in the northwest and central areas of the city.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of approximately 6,000 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 $415,000 (Construction) City of North Port share $207,500 District $207,500

Evaluation

Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	High	The benefit of this project is an estimated 16,884 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 upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Cooperator per capita is below 75.
Project Readiness:	High	Project is ready to begin on or before December 1, 2020.

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 High Priority.	Project will conserve potable water is the SWUCA and is cost effective.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$207,500	$0	$207,500
City of North Port	$0	$207,500	$0	$207,500
Total	$0	$415,000	$0	$415,000

Project No. Q191	WMP – North Manatee County Watersheds	
Manatee County		FY2021
Risk Level:	Type 4	**Multi-Year Contract:** Yes, Year 1 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 Practice (BMP) alternative analysis for the North County Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation 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: $1,534,500 Manatee County: $767,250 District: $767,250 with $383,625 requested in FY2021 and $383,625 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	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 2 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, 2020.

Strategic Goals

Strategic Goals:	High	**Strategic Initiative - Water Quality Assessment and Planning**: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. **Strategic Initiative - Floodplain Management**: 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 High Priority.	This project identifies flood risk in an area with limited 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	FY2021	Future	Total
Manatee County	$0	$383,625	$383,625	$767,250
District	$0	$383,625	$383,625	$767,250
Total	$0	$767,250	$767,250	$1,534,500

Project No. Q202	Study – PRMRWSA Southern Regional Loop Phase 2B & 2C Feasibility and Routing	
PRMRWSA		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** No

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 completion the feasibility study that produces pipeline routing options, infrastructure requirements, and cost estimates.
Costs:	Total project cost $240,000 PRMRWSA share $120,000 District $120,000

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The benefit of this project is 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	The project is ready to begin on or before December 1, 2020.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as High Priority.	This feasibility study will support the expansion of the PRMRWSA regional loop system to southern Sarasota and northern Charlotte Counties. This pipeline segment will allow for bidirectional water transfer and greater use of alternative water supplies

Funding

Funding Source	Prior	FY2021	Future	Total
PRMRWSA	$0	$120,000	$0	$120,000
District	$0	$120,000	$0	$120,000
Total	$0	$240,000	$0	$240,000

Project No. Q205	Study – PRMRWSA Phase 3C Integrated Loop Routing and Feasibility	
PRMRWSA		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** Yes, Year 1 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 Sarasota County to Manatee county.
Costs:	Total project cost: $600,000; PRMRWSA: 300,000; District: $300,000 with $200,000 requested in FY2021 and $100,000 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 will be information to address the optimal pipeline route as well as the most cost-effective way to interconnect and move regional AWS water north 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 ready to begin on or before December 1, 2020.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as High Priority.	This feasibility study will support the expansion of the PRMRWSA regional loop system through central and northern Sarasota County into Manatee County. This pipeline segment will allow for bidirectional water transfer and greater use of alternative water supplies.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$200,000	$100,000	$300,000
PRMRWSA	$0	$200,000	$100,000	$300,000
Total	$0	$400,000	$200,000	$600,000

Project No. Q212	Study – PRMRWSA Reservoir #3 Feasibility and Siting	
PRMRWSA		FY2021
Risk Level:	Type 2	**Multi-Year Contract:** No

Description

Description:	This project is for a siting and feasibility study for a third surface water reservior at the Peace River Water Treatment Facility in DeSoto County. A new reservior would support use of water supplies skimmed from the Peace River as an alternative supply, reliably meeting much of the drinking water needs in the District's southern water use planning area. The study will evaluate conceptual sizing, siting, mitigation, operational drivers and associated facility requirements, such as raw water pipelines, for a third off-stream reservoir and increased river intake capacity for the Peace River Facility.
Measurable Benefit:	The contractual measurable benefit will be the completion of the study identifying project requirements, detail and costs associated with expanding off-stream storage and surface water supply capacity at the Peace River Facility. This project has the potential to yield at least 15 MGD in average daily supply, meeting 50% of the projected additional supply need in the region during the next 20 years.
Costs:	Total project cost $1,250,000 District: $625,000 PRMRWSA: $625,000.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines
Project Benefit:	High	This project has the potential to yield at least 15 MGD in Average Daily Flow supply, meeting 50% of the projected additional supply need anticipated in the region during the next 20 years.
Cost Effectiveness:	High	The cost effectiveness appears reasonable and consistent within the range of previous funded feasibility studies for alternative water supply.
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, 2020.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as High Priority.	This feasibility study will support future storage capacity increases at the Peace River Water Treatment Facility, improving local and regional system reliability and increased supply.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$625,000	$0	$625,000
PRMRWSA	$0	$625,000	$0	$625,000
Total	$0	$1,250,000	$0	$1,250,000

Project No. Q214	Conservation – Palmetto Toilet Rebate Project Phase 2	
Palmetto		FY2021
Risk Level:	Type 1	**Multi-Year Contract:** No

Description

Description:	Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallon per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush of less. This project will include rebates and program administration for the replacement of approximately 510 high flow toilets. In addition, approximately 450 do-it-yourself conservation kits will be distributed. 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 measureable benefit will be the implementation of the program and the completion of a final report.
Costs:	Total Project Cost: $60,000 District Share: $30,000 City of Palmetto: $30,000

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 26,924 gallons per day in the Southern Water Use Caution Area.
Cost Effectiveness:	High	Project cost effectiveness is below $3.00 per thousand gallons saved.
Past Performance:	High	Based on an assessment of the schedule and budget for 1 ongoing projects.
Complementary Efforts:	High	Cooperator per capita is below 75 gpcd.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2021.

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 High Priority.	Project will conserve potable water supply in the Southern Water Use Caution Area and is cost-effective.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$30,000	$0	$30,000
Palmetto	$0	$30,000	$0	$30,000
Total	$0	$60,000	$0	$60,000

Project No. W297	Study – Pearce Drain/Gap Creek Water Quality Plan	
Manatee County		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Provide an assessment for nutrients and to propose conceptual BMPs including stormwater improvements with an emphasis on LID and/or natural system restoration projects in support of reducing nutrient loads in the 10 square mile watershed which discharges to Tampa Bay, a SWIM priority water body.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study.
Costs:	Total Project Cost: $110,000 (Study) Manatee County: $55,000 District: $55,000

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 an assessment of nutrient loading and a prioritized list of conceptual BMPs including stormwater and/or natural systems restoration options to improve water quality and natural systems within a watershed discharging to Tampa Bay, a SWIM priority water body.
Cost Effectiveness:	High	Costs are consistent with the cost of similar District funded studies.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 ongoing projects.
Complementary Efforts:	High	Applicant has adopted Pet Waste and Fertilizer ordinances and implements street sweeping, stormwater maintenance and stormwater education programs.
Project Readiness:	Medium	Project is ready to begin on or before March 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. **Tampa Bay Region Priority**: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority.	This project is cost effective and will assess nutrient loading and propose conceptual BMP 's to reduce nutrients discharging to Tampa Bay, a SWIM priority water body.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$55,000	$0	$55,000
Manatee County	$0	$55,000	$0	$55,000
Total	$0	$110,000	$0	$110,000

Project No. W643	SW IMP – Water Quality – Anna Maria BMPs Phase K	
City of Anna Maria		FY2021
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 53 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. Project also includes ancillary flood protection benefits. There will be no monitoring or performance testing requirements.
Costs:	Total Project Cost: $600,000 (Design, permitting, construction) City of Anna Maria: $300,000 District: $300,000

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, a SWIM priority water body, by an estimated 178 lbs/yr TN, and 36 lbs/yr TP. This project also has flood protection ancillary 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 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, 2020.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as High Priority.	This project is cost effective and improves water quality discharging to Tampa Bay, a SWIM priority water body. This project will also have flood protection ancillary benefits.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$300,000	$0	$300,000
City of Anna Maria	$0	$300,000	$0	$300,000
Total	$0	$600,000	$0	$600,000

Project No. W644	Study – Sarasota County Groundwater Nutrient Evaluation	
Sarasota County		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** No

Description

Description:	Feasibility study on denitrification BMP implementation. Project involves monitoring groundwater quality in key locations in Sarasota County associated with multiple types of land uses presumed to lead to elevated groundwater nutrients including but not limited to septic systems, reclaimed water usage areas, high fertilizer usage areas, and former landfills. Project will determine the concentration of nutrients as well as groundwater seepage rates in estuarine waters. Tasks will include identification of groundwater flows, installation of monitoring stations, and identification of nutrient hot spots for future BMP's.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the study.
Costs:	Total Project Cost: $300,000 (Study) Sarasota County: $150,000 District: $150,000

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 Resource Benefit is a feasibility study to assess elevated groundwater nutrients to locate the proper location for groundwater denitrification BMPs. Potential sites contribute to Sarasota Bay and Charlotte Harbor, both SWIM priority water bodies.
Cost Effectiveness:	Medium	The cost effectiveness for this study is slightly higher than comparable past projects.
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 3 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, 2020.

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**: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

Overall Ranking and Recommendation

Fund as High Priority.	This project will identify nutrient hot spots and evaluate ideal locations in Sarasota County to maximize groundwater nutrient BMPs associated with seepage into the estuarine habitats of Sarasota Bay and Charlotte Harbor, both SWIM priority water bodies.

Funding

Funding Source	Prior	FY2021	Future	Total
Sarasota County	$0	$150,000	$0	$150,000
District	$0	$150,000	$0	$150,000
Total	$0	$300,000	$0	$300,000

Project No. Q050	ASR - City of Venice Reclaimed Water ASR	
City of Venice		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** Yes, 2 of 5

Description

Description:	Design, permitting, construction, testing, and independent performance evaluation (IPE) of an ASR system to store and recover at least 25 MG/yr 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 approved in FY2020 for 30% design and third party review (TPR). The District required TPR because of project costs and complexity. The FY2021 funding request is to complete design and permitting. Future funding will be for construction, testing, IPE, 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 25 MG/yr calculated using a 5-year moving average.
Costs:	Total project cost: $5,062,500 City of Venice: $2,531,250 District: $2,531,250 with $82,500 budgeted in previous years, $150,000 requested in FY2021, and $2,298,750 anticipated to be requested in future years

Evaluation

Application Quality:	Medium	The application included most of the required information identified in the CFI Guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
Project Benefit:	Medium	If constructed, the benefit would be development of at least 25 MG/yr in reclaimed water storage/recovery in the SWUCA; this would enable supply to approximately 500 additional reclaimed users, potentially reducing irrigation groundwater withdrawals by an estimated 0.17 mgd. The City projects storing/recovering 185 MG/yr 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 1 ongoing project.
Complementary Efforts:	High	The City has a developed reclaimed water system. City Code provides metering/rate structures and connection/extension requirements/procedures for reclaimed service.
Project Readiness:	Medium	Project is ready to begin on or before March 1, 2021.

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 Medium Priority.	The City and District expect to complete 30% design and TPR in early 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 FY2021 funding to complete design and permitting. 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	FY2021	Future	Total
District	$82,500	$150,000	$2,298,750	$2,531,250
City of Venice	$82,500	$150,000	$2,298,750	$2,531,250
Total	$165,000	$300,000	$4,597,500	$5,062,500

Project No. Q157	SW IMP – Flood Protection – City of Bradenton Village of the Arts South Drainage Improvements from 13th Ave. W. to 17th Ave. W.	FY2021
City of Bradenton		

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

Description

Description:	Design, permitting and construction of a stormwater system for the Village of 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 Arts does not have a stormwater system and experiences severe structure and street flooding. FY2021 funding will be utilized to complete the design and permitting phase of the project.
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 requested in FY2021 and $1,070,000 anticipated to be requested in future years.

Evaluation

Application Quality:	High	Application included all the required information identified in the CFI Guidelines.
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding 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:	Low	Benefit/Cost ratio is slightly less than 0.7 (0.66).
Past Performance:	Medium	Based upon an assessment of the schedule and budget for the 3 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, 2020.

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 Medium Priority.	This project provides a reduction of structure and street flooding for the 100-yr, 24hr event in the Village of Arts neighborhood. An additional water quality benefit has been demonstrated.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$100,000	$1,070,000	$1,170,000
City of Bradenton	$0	$100,000	$1,070,000	$1,170,000
Total	$0	$200,000	$2,140,000	$2,340,000

Project No. Q141	SW IMP – Flood Protection – Bowlees Creek Flood Mitigation	
Manatee County		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 2

Description

Description:	Design, permitting and construction of an automated weir structure in Bowlees Creek to lower flood stages in the Shady Brook/Sara Bay area in Manatee County. The area experiences severe flooding and currently there are two concrete weirs that provide irrigation water to the Sara Bay Golf Course. This project proposes lowering the weir outfall for Lake Brendan, eliminating the upstream weir of Bowlees Creek near the golf course, improving the downstream weir near the golf course with an automated gate system, and connecting the golf course to an existing reclaimed water line. FY2021 funding will be utilized to complete the design and permitting phases.
Measurable Benefit:	The contractual Measurable Benefit will be the completion of the design, permitting, and construction of an automated weir structure and irrigation line connection 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: $279,704 District: $279,704 with $139,852 requested in FY2021 and $139,853 anticipated to be requested in future years.

Evaluation

Application Quality:	Low	District PM had to work with the cooperator to obtain required information and cooperator was unable to provide required information.
Project Benefit:	High	The Resource Benefit of this project will reduce existing flooding problems during the 5-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:	Low	Benefit/Cost analysis was not provided.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 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, 2020.

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

Low Priority, not recommended for funding.	Cooperator was not able to provide benefit/cost analysis; however, the County is actively working to finalize this data. It is anticipated that the evaluation will be updated upon receipt of this analysis.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$139,852	$139,853	$279,705
Manatee County	$0	$139,852	$139,853	$279,705
Total	$0	$279,704	$279,706	$559,410

Project No. Q180	SW IMP – Flood Protection – Centre Lake Flood Mitigation	
Manatee County		FY2021
Risk Level:	Type 3	**Multi-Year Contract:** Yes, Year 1 of 3

Description	
Description:	Design, permitting and construction of a flood control wall for the Centre Lake neighborhood within the Pearce Drain/Gap Creek watershed in Manatee County. The neighborhood has a drainage pond that outfalls to Pearce Drain, but during heavy rainfall Pearce Drain is overwhelmed and backflows into Centre Lake and adjacent low areas causing homes to experience flooding. If funded, the project will require a third-party review as this project has a conceptual construction estimate greater than $5 million dollars.
Measurable Benefit:	The contractual Measurable Benefit will be the construction of a flood control structure to reduce flooding within the Centre Lake neighborhood.
Costs:	Total project cost: $8,444,000 (30% design, third-party review, design, permitting and construction) Manatee County: $4,222,000 District: $4,222,000 with $400,000 requested in FY2021 and $3,822,000 anticipated to be requested in future years.

Evaluation		
Application Quality:	Low	District PM had to work with the cooperator to obtain required information and cooperator was unable to provide required information.
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:	Low	Benefit/cost analysis was not provided.
Past Performance:	High	Based upon an assessment of the schedule and budget for the 2 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, 2020.

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	
Low Priority, not recommended for funding.	Cooperator was not able to provide benefit/cost analysis; however, the County is actively working to finalize this data. It is anticipated that the evaluation will be updated upon receipt of this analysis.

Funding

Funding Source	Prior	FY2021	Future	Total
District	$0	$400,000	$3,822,000	$4,222,000
Manatee County	$0	$400,000	$3,822,000	$4,222,000
Total	$0	$800,000	$7,644,000	$8,444,000

Project No. Q208	Study – Sarasota Bay Septic to Sewer Water Quality Study	
Sarasota County		FY2021
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 measurable benefit will be the completion of a feasibility study.
Costs:	Total Project Cost: $5,000,000 District Share: $2,500,000 Sarasota Share: $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.	The project is not recommended for funding as it is inconsistent with the FY2021 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 SWFWMD boundaries. This project is located outside of a Springs Priority Focus Area of a Basin Management Action Plan.

Funding

Funding Source	Prior	FY2021	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

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