

**Tampa Bay Region  
FY2022 Cooperative Funding Initiative  
Final Project Evaluations and Rankings**

**Southwest Florida Water Management District**

**FY2022 Proposed Cooperative Funding Initiative Projects**

**April 9, 2021**

<b>Page</b>	<b>Project</b>	<b>Cooperator</b>	<b>Project Name</b>	<b>Rank</b>	<b>District Prior Funding</b>	<b>FY2022 Proposed District Funding</b>	<b>District Future Funding</b>
<b><u>Projects Ranked 1A Priority</u></b>							
5	Q011	Pasco County	WMP – Pithlachascotee/Bear Creek WMP	1A	\$500,000	\$300,000	0
6	Q013	Pasco County	WMP – Hammock Creek WMP	1A	\$600,000	\$300,000	0
7	Q130	Pinellas County	Study – Nutrient Source Tracking	1A	\$85,000	\$15,000	0
8	Q149	Pinellas County	WMP – Coastal Zone 5 Watershed Management Plan	1A	\$75,000	\$112,500	\$100,000
9	Q163	City of Seminole	WMP – Seminole Stormwater Master Plan Update and Infrastructure Assessment	1A	\$125,000	\$125,000	0
10	Q171	Pinellas County	Study – McKay Creek Model Update, Alternatives Analysis and Feasibility Study	1A	\$130,000	\$130,000	0
11	Q196	Pinellas County	Study – Joe's Creek Model Update, Alternatives Analysis and Feasibility Study	1A	\$180,000	\$90,000	\$90,000
12	Q199	Pinellas County	WMP – Starkey Road WMP Update	1A	\$75,000	\$100,000	\$75,000
13	Q210	Pasco County	SW IMP – Flood Protection – Griffin Park Flood Abatement Project	1A	\$195,000	\$705,000	0
14	Q213	Hillsborough County	Hillsborough County SCADA System	1A	\$200,000	\$700,000	0
15	W211	Pinellas County	Restoration – Weedon Island Tidal Marsh	1A	\$56,268	\$123,790	\$288,842
<b><u>Projects Ranked High Priority</u></b>							
16	N949	City of Tampa	SW IMP – Flood Protection – Southeast Seminole Heights Flood Relief	H	\$4,000,000	\$7,500,000	\$250,000
17	Q146	TBW	Interconnects – Tampa Bay Water Southern Hillsborough Co. Booster Pump Station	H	\$500,000	\$500,000	\$2,550,000
25	Q190	City of Tampa	SW IMP – Flood Protection – Lower Peninsula Stormwater Improvements - Southeast Region	H	\$35,000	\$6,000,000	\$6,465,000
19	Q220	City of St. Petersburg	SW IMP – Flood Protection – 7th Street North, 50th Avenue North Vicinity Storm Drainage Improvements	H	0	\$1,500,000	\$1,228,500
20	Q225	Pasco County	SW IMP – Flood Protection – Lafitte Drive	H	0	\$250,000	\$1,631,417
21	Q236	City of Tampa	Study – Sulphur Springs Flow Feasibility Study	H	0	\$125,000	\$195,000
22	Q241	Tampa Bay Water	Interconnects – TBW Southern Hillsborough County Transmission Expansion	H	0	\$4,459,207	\$140,594,793

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Page	Project	Cooperator	Project Name	Rank	District Prior Funding	FY2022 Proposed District Funding	District Future Funding
23	Q245	Pinellas County	Conservation – Pinellas County AMI Metering Analytics Project	H	0	\$139,414	0
24	Q246	City of Tampa	Reclaimed – Tampa Hillsborough River MFL "PURE" Project	H	0	\$60,280	\$41,039,720
25	Q256	City of St Pete	Conservation – St. Petersburg Sensible Sprinkling Program - Phase 10	H	0	\$50,000	0
26	Q259	City of Tarpon Springs	Conservation – Tarpon Springs Water Conservation Program Phase III	H	0	\$15,000	0
27	W024	Tampa Bay Estuary Program	FY2022 Tampa Bay Environmental Restoration Fund	H	0	\$350,000	0
28	W103	Pinellas County	Restoration – Roosevelt Creek Channel 5 Improvements	H	0	\$350,000	0
29	W106	Pinellas County	SW IMP – Water Quality – Starkey M10 Stormwater Facility Quality Improvements	H	0	\$324,000	0
30	W298	Philippe Bay Neighborhood Association	SW IMP – Water Quality – Philippe Bay Stormwater Quality Upgrades	H	0	\$60,000	0
<b>Projects Ranked Medium Priority</b>							
31	N865	Pasco County	SW IMP – Flood Protection – Magnolia Valley Storage and Wetland Enhancement Project	M	\$500,000	\$250,000	\$5,750,000
32	Q219	Pinellas County	WMP – Sutherland Bayou Watershed Management Plan	M	0	\$50,000	\$100,000
33	Q221	Pinellas County	Study – Curlew Creek & Smith Bayou Feasibility Study	M	0	\$180,500	\$180,500
34	Q226	Hillsborough County	WMP – Hillsborough County Countywide Watershed Model Migration and Integration	M	0	\$500,000	\$500,000
35	Q227	Hillsborough County	Study – 76th Street West Bypass Feasibility Study	M	0	\$50,000	0
36	Q228	City of Madeira Beach	WMP – City of Madeira Beach Watershed Management Plan	M	0	\$74,246	0
37	Q233	Pinellas County	Study – Clearwater Harbor/St Joseph Sound Nitrogen Source Identification	M	0	\$50,000	\$150,000
38	Q274	Zephyrhills	Reclaimed – Zephyrhills to Pasco County Reclaimed Water Interconnect	M	0	\$880,000	0
39	W102	Town of Redington Beach	SW IMP – Water Quality – Town of Redington Beach Stormwater Retrofits Phase II	M	0	\$75,000	0
<b>Recommended for Funding Total:</b>					<b>\$7,256,268</b>	<b>\$26,493,937</b>	<b>\$201,188,772</b>

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Page	Project	Cooperator	Project Name	Rank	District Prior Funding	FY2022 Proposed District Funding	District Future Funding
<b><u>Projects Ranked Low and/or Not Recommended</u></b>							
40	Q222	Pasco County	SW IMP – Flood Protection – Buzzard Lake	L	0	\$151,000	0
41	Q235	Pasco County	SW IMP – Flood Protection – Quail Hollow Blvd	L	0	\$400,000	\$3,127,623
<b>Not Recommended for Funding Total:</b>					<b>0</b>	<b>\$551,000</b>	<b>\$3,127,623</b>
<b>Tampa Bay Region Total:</b>					<b>\$7,256,268</b>	<b>\$27,044,937</b>	<b>\$204,316,395</b>

Project No. Q011	<b>WMP – Pithlachascotee/Bear Creek WMP</b>			
Pasco County				FY2022
<b>Risk Level:</b>	Type 4	<b>Multi-Year Contract:</b> Yes, Year 3 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$500,000	\$300,000	\$0	\$800,000
Pasco County	\$500,000	\$300,000	\$0	\$800,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$1,600,000</b>

Project No. Q013	WMP – Hammock Creek WMP			
Pasco County				FY2022
Risk Level:	Type 4	Multi-Year Contract: Yes, Year 3 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The Measurable Benefit will be the completion of a WMP that identifies floodplain, establishes LOS, and evaluates flooding concerns in the watershed.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$600,000	\$300,000	\$0	\$900,000
Pasco County	\$600,000	\$300,000	\$0	\$900,000
<b>Total</b>	<b>\$1,200,000</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$1,800,000</b>

Project No. Q130	<b>Study – Nutrient Source Tracking</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 3 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the completion of this study.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	The cost effectiveness for this study is comparable to past projects.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Applicant has an active storm water utility that collects fees.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as 1A Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$85,000	\$15,000	\$0	\$100,000
Pinellas County	\$85,000	\$15,000	\$0	\$100,000
<b>Total</b>	<b>\$170,000</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$200,000</b>

Project No. Q149	<b>WMP – Coastal Zone 5 Watershed Management Plan</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	The project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as 1A Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$75,000	\$112,500	\$100,000	\$287,500
Pinellas County	\$75,000	\$112,500	\$100,000	\$287,500
<b>Total</b>	<b>\$150,000</b>	<b>\$225,000</b>	<b>\$200,000</b>	<b>\$575,000</b>



Project No. Q163	<b>WMP – Seminole Stormwater Master Plan Update and Infrastructure Assessment</b>			
City of Seminole	FY2022			
<b>Risk Level:</b>	Type 4	<b>Multi-Year Contract:</b> Yes, Year 2 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all of the required information identified in the CFI guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based on the cooperators having no ongoing projects with the District they are ranked high.		
<b>Complementary Efforts:</b>	Low	Cooperator does not participate in the Community Rating System.		
<b>Project Readiness:</b>	High	Project ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as 1A Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$125,000	\$125,000	\$0	\$250,000
City of Seminole	\$125,000	\$125,000	\$0	\$250,000
<b>Total</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$500,000</b>

Project No. Q171	<b>Study – McKay Creek Model Update, Alternatives Analysis and Feasibility Study</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as 1A Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$130,000	\$130,000	\$0	\$260,000
Pinellas County	\$130,000	\$130,000	\$0	\$260,000
<b>Total</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$0</b>	<b>\$520,000</b>

Project No. Q196	<b>Study – Joe's Creek Model Update, Alternatives Analysis and Feasibility Study</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$180,000	\$90,000	\$90,000	\$360,000
Pinellas County	\$180,000	\$90,000	\$90,000	\$360,000
<b>Total</b>	<b>\$360,000</b>	<b>\$180,000</b>	<b>\$180,000</b>	<b>\$720,000</b>

Project No. Q199	<b>WMP – Starkey Road WMP Update</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	The project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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.</p> <p><b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$75,000	\$100,000	\$75,000	\$250,000
Pinellas County	\$75,000	\$100,000	\$75,000	\$250,000
<b>Total</b>	<b>\$150,000</b>	<b>\$200,000</b>	<b>\$150,000</b>	<b>\$500,000</b>

Project No. Q210	<b>SW IMP – Flood Protection – Griffin Park Flood Abatement Project</b>			
Pasco County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	Benefit/Cost ratio is greater than or equal to 1. Benefits include avoided damages to structures and roads.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality.</p> <p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$195,000	\$705,000	\$0	\$900,000
Pasco County	\$195,000	\$705,000	\$0	\$900,000
<b>Total</b>	<b>\$390,000</b>	<b>\$1,410,000</b>	<b>\$0</b>	<b>\$1,800,000</b>

Project No. Q213	Hillsborough County SCADA System			
Hillsborough County				FY2022
Risk Level:	Type 3	Multi-Year Contract: Yes, Year 2 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the installation of approximately 250 real-time monitoring systems at existing and newly constructed water level gauge stations.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	Project cost is comparable to other prior projects with similar scopes.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 24 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$200,000	\$700,000	\$0	\$900,000
Hillsborough County	\$200,000	\$700,000	\$0	\$900,000
<b>Total</b>	<b>\$400,000</b>	<b>\$1,400,000</b>	<b>\$0</b>	<b>\$1,800,000</b>

Project No. W211	<b>Restoration – Weedon Island Tidal Marsh</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 2 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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 FY22, and \$288,842 anticipated to be requested in future years.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	The estimated cost/acre restored is less than \$53,326/acre restored for combined elements.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation and Restoration:</b> Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as 1A Priority</b>	The ongoing project is cost effective and will restore 42 acres of natural systems within the Tampa Bay watershed, a SWIM priority water body.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$56,268	\$123,790	\$288,842	\$468,900
Pinellas County	\$56,268	\$123,790	\$288,842	\$468,900
<b>Total</b>	<b>\$112,536</b>	<b>\$247,580</b>	<b>\$577,684</b>	<b>\$937,800</b>

Project No. N949	<b>SW IMP – Flood Protection – Southeast Seminole Heights Flood Relief</b>			
City of Tampa				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 3 of 4		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	Benefit/Cost ratio is less than 1, but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.		
<b>Past Performance:</b>	High	Based on an assessment of the schedule and budget for the 7 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	The project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality.</p> <p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
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
<b>Total</b>	<b>\$8,000,000</b>	<b>\$15,000,000</b>	<b>\$500,000</b>	<b>\$23,500,000</b>

\*Conceptual cost estimate, subject to Governing Board Approval



Project No. Q146	<b>Interconnects – Tampa Bay Water Southern Hillsborough Co. Booster Pump Station</b>			
TBW	FY2022			
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> Yes, Year 2 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	The cost effectiveness is reasonable and consistent with previous cooperative funding average costs for similar projects.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	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.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Alternative Water Supplies:</b> Increase development of alternative sources of water to ensure groundwater and surface water sustainability <b>Strategic Initiative - Regional Water Supply Planning:</b> Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
District	\$500,000	\$500,000	\$2,550,000	\$3,550,000
TBW	\$500,000	\$500,000	\$2,550,000	\$3,550,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$5,100,000</b>	<b>\$7,100,000</b>

\*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q190	<b>SW IMP – Flood Protection – Lower Peninsula Stormwater Improvements - Southeast Region</b>			
City of Tampa	FY2022			
<b>Risk Level:</b> Type 3		<b>Multi-Year Contract:</b> Yes, Year 2 of 4		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	Benefit/Cost ratio is less than 1, but greater than or equal to 0.7.		
<b>Past Performance:</b>	High	Based on an assessment of the schedule and budget for 7 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
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
<b>Total</b>	<b>\$70,000</b>	<b>\$12,000,000</b>	<b>\$12,930,000</b>	<b>\$25,000,000</b>

\*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q220	<b>SW IMP – Flood Protection – 7th Street North, 50th Avenue North Vicinity Storm Drainage Improvements</b>			
City of St. Petersburg				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	Benefit/Cost ratio is greater than or equal to 1. Benefits include avoided damages to structures and roads.		
<b>Past Performance:</b>	High	Based on an assessment of the schedule and budget for 10 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
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
<b>Total</b>	<b>\$0</b>	<b>\$3,000,000</b>	<b>\$2,457,000</b>	<b>\$5,457,000</b>

\*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			
<b>Description</b>					
<b>Description:</b>		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.			
<b>Measurable Benefit:</b>		The contractual Measurable Benefit will be the design, permitting and construction of stormwater BMPs. Construction will be done in accordance with permitted plans.			
<b>Costs:</b>		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.			
<b>Evaluation</b>					
<b>Application Quality:</b>		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.		
<b>Project Benefit:</b>		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.		
<b>Cost Effectiveness:</b>		High	The Cooperator has provided a benefit cost analysis that is greater than 1.		
<b>Past Performance:</b>		Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>		Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>		High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>					
<b>Strategic Goals:</b>		High	<p><b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pitlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>					
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.			
<b>Funding</b>					
<b>Funding Source</b>		<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District		\$0	\$250,000	\$1,631,417	\$1,881,417
Pasco County		\$0	\$250,000	\$1,631,417	\$1,881,417
<b>Total</b>		<b>\$0</b>	<b>\$500,000</b>	<b>\$3,262,834</b>	<b>\$3,762,834</b>

Project No. Q236	<b>Study – Sulphur Springs Flow Feasibility Study</b>			
City of Tampa	FY2022			
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 1 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the completion of the study addressing enhancement of natural systems and improvement of water quality and flooding.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	The cost of this project is similar to other projects of similar scope.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.		
<b>Complementary Efforts:</b>	High	The applicant has four or more complementary efforts in the areas of water supply, water quality, flood protection and natural systems.		
<b>Project Readiness:</b>	Medium	Project is ready to begin on or before March 1, 2022.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation and Restoration:</b> Restoration and maintenance of natural ecosystems for the benefit of water and water-related resources. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as a High Priority</b>	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).			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$125,000	\$195,000	\$320,000
City of Tampa	\$0	\$125,000	\$195,000	\$320,000
<b>Total</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$390,000</b>	<b>\$640,000</b>

Project No. Q241	<b>Interconnects – TBW Southern Hillsborough County Transmission Expansion</b>			
Tampa Bay Water	FY2022			
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> Yes, Year 1 of 8		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the completion of the 30% design plans.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	High	The benefit of this project, if constructed, will be to provide alternative water supplies to a high growth area of Tampa Bay Water.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 5 ongoing projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Alternative Water Supplies:</b> Increase development of alternative sources of water to ensure groundwater and surface water sustainability <b>Strategic Initiative - Regional Water Supply Planning:</b> Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
District	\$0	\$4,459,207	\$140,594,793	\$145,054,000
Tampa Bay Water	\$0	\$4,459,207	\$140,594,793	\$145,054,000
<b>Total</b>	<b>\$0</b>	<b>\$8,918,414</b>	<b>\$281,189,586</b>	<b>\$290,108,000</b>

\*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			
<b>Description</b>					
<b>Description:</b>		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.			
<b>Measurable Benefit:</b>		The contractual Measurable Benefit will be implementation of the program and the completion of a final report.			
<b>Costs:</b>		Total project cost: \$278,828 Pinellas County: \$139,414 District: \$139,414			
<b>Evaluation</b>					
<b>Application Quality:</b>		High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>		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).		
<b>Cost Effectiveness:</b>		High	Project cost effectiveness is below \$3.00 per thousand gallons saved.		
<b>Past Performance:</b>		High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>		High	Cooperator has an adjusted gross per capita less than or equal to 80 gpcd.		
<b>Project Readiness:</b>		High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>					
<b>Strategic Goals:</b>		High	<b>Strategic Initiative - Conservation:</b> Enhance efficiencies in all water-use sectors to ensure beneficial use. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>					
Fund as a High Priority		Project will conserve potable water in the NTBWUCA and is cost effective.			
<b>Funding</b>					
<b>Funding Source</b>		<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District		\$0	\$139,414	\$0	\$139,414
Pinellas County		\$0	\$139,414	\$0	\$139,414
<b>Total</b>		<b>\$0</b>	<b>\$278,828</b>	<b>\$0</b>	<b>\$278,828</b>

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		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the completion of the 30% design plans.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	Medium	District PM/CM had to work with cooperator to obtain remaining required information.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Minimum Flows and Levels Establishment and Recovery:</b> Establish and monitor MFLs, and, where necessary, develop and implement recovery plans to prevent significant harm and reestablish the natural ecosystem. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$60,280	\$41,039,720	\$41,100,000
City of Tampa	\$0	\$379,720	\$258,520,280	\$258,900,000
<b>Total</b>	<b>\$0</b>	<b>\$440,000</b>	<b>\$299,560,000</b>	<b>\$300,000,000</b>

\*Conceptual cost estimate, subject to Governing Board Approval



Project No. Q256	<b>Conservation – St. Petersburg Sensible Sprinkling Program - Phase 10</b>			
City of St Pete				FY2022
<b>Risk Level:</b>	Type 1	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.			
<b>Costs:</b>	Total Project Cost: \$100,000 City of St Pete: \$50,000 District: \$50,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	High	The benefit of this project is an estimated 54,900 gallons per day of water conserved in the NTB WUCA.		
<b>Cost Effectiveness:</b>	High	Project cost effectiveness is below \$3.00 per thousand gallons saved.		
<b>Past Performance:</b>	High	Based on an assessment of the schedule and budget for 9 on-going projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation:</b> Enhance efficiencies in all water-use sectors to ensure beneficial use. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as a High Priority</b>	This project conserved water supply in the NTB WUCA and is cost effective.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$50,000	\$0	\$50,000
City of St Pete	\$0	\$50,000	\$0	\$50,000
<b>Total</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>

Project No. Q259	Conservation – Tarpon Springs Water Conservation Program Phase III			
City of Tarpon Springs				FY2022
Risk Level:	Type 1	Multi-Year Contract: No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.			
<b>Costs:</b>	Total project cost: \$30,000 City of Tarpon Springs: \$15,000 District: \$15,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	Project cost effectiveness is between \$3.01 and \$6.00 per thousand gallons saved.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 4 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Applicant has the complementary efforts of water loss less than the District average and, pending implementation of this program, an active conservation program.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation:</b> Enhance efficiencies in all water-use sectors to ensure beneficial use. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>				
Fund as a High Priority	Project conserves potable water in the NTBWUCA and is cost effective.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$15,000	\$0	\$15,000
City of Tarpon Springs	\$0	\$15,000	\$0	\$15,000
<b>Total</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$30,000</b>

Project No. W024	FY2022 Tampa Bay Environmental Restoration Fund			
Tampa Bay Estuary Program	FY2022			
Risk Level: Type 3		Multi-Year Contract: No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The project will fund numerous water quality improvement and habitat restoration projects throughout the Tampa Bay watershed.			
<b>Costs:</b>	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).			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI guidelines.		
<b>Project Benefit:</b>	High	Water quality improvement and natural systems restoration in Tampa Bay, a SWIM priority water body.		
<b>Cost Effectiveness:</b>	High	District funds will be leveraged with other local, federal, private, and penalty funds.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 9 ongoing projects.		
<b>Complementary Efforts:</b>	High	Applicant funds projects that are complementary to preserve natural systems and improve water quality.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation and Restoration:</b> Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. <b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$350,000	\$0	\$350,000
Tampa Bay Estuary Program	\$0	\$350,000	\$0	\$350,000
<b>Total</b>	<b>\$0</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$700,000</b>

<b>Project No. W103</b>	<b>Restoration – Roosevelt Creek Channel 5 Improvements</b>			
<b>Pinellas County</b>				<b>FY2022</b>
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project cost: \$700,000 (construction) Pinellas County: \$350,000 District: \$350,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	High	The benefit of the project is restoration of natural systems of approximately 12 acres associated with Tampa Bay, a SWIM priority water body.		
<b>Cost Effectiveness:</b>	Medium	The estimated cost/acre restored is slightly higher than the historical average of \$53,326/acre restored.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Conservation and Restoration:</b> Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as a High Priority</b>	The project is cost effective and will continue efforts by the County to enhance natural systems in Tampa Bay, a SWIM priority waterbody.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$350,000	\$0	\$350,000
Pinellas County	\$0	\$350,000	\$0	\$350,000
<b>Total</b>	<b>\$0</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$700,000</b>

Project No. W106	<b>SW IMP – Water Quality – Starkey M10 Stormwater Facility Quality Improvements</b>			
Pinellas County	FY2022			
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project cost: \$648,000 (construction) Pinellas County: \$324,000 District: \$324,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	High	The estimated cost/lb of TN removed is below the historical average \$176 and \$475/lb.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Applicant has an active stormwater utility that collects fees.		
<b>Project Readiness:</b>	Medium	Project is ready to begin on or before March 1, 2022.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$324,000	\$0	\$324,000
Pinellas County	\$0	\$324,000	\$0	\$324,000
<b>Total</b>	<b>\$0</b>	<b>\$648,000</b>	<b>\$0</b>	<b>\$648,000</b>

Project No. W298	<b>SW IMP – Water Quality – Philippe Bay Stormwater Quality Upgrades</b>			
Philippe Bay Neighborhood Association	FY2022			
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total Project Cost: \$120,000 (construction) Philippe Bay Neighborhood Association: \$60,000 District: \$60,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based on the cooperator having no ongoing projects with the District they are ranked high.		
<b>Complementary Efforts:</b>	Medium	Applicant follows the City of Safety Harbor ordinances to implement complimentary water quality efforts.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$60,000	\$0	\$60,000
Philippe Bay Neighborhood Association	\$0	\$60,000	\$0	\$60,000
<b>Total</b>	<b>\$0</b>	<b>\$120,000</b>	<b>\$0</b>	<b>\$120,000</b>

Project No. N865	<b>SW IMP – Flood Protection – Magnolia Valley Storage and Wetland Enhancement Project</b>			
Pasco County	FY2022			
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 4 of 6		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	Benefit/cost ratio is less than 1 but greater than or equal to 0.7. Benefits include avoided damages to structures and roads.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	High	Project is ongoing and on schedule.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality. <b>Strategic Initiative – Flood Protection Maintenance and Improvement:</b> 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		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total*</b>
District	\$500,000	\$250,000	\$5,750,000	\$6,500,000
Pasco County	\$500,000	\$250,000	\$5,750,000	\$6,500,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	<b>\$11,500,000</b>	<b>\$13,000,000</b>

\*Conceptual cost estimate, subject to Governing Board Approval

Project No. Q219	<b>WMP – Sutherland Bayou Watershed Management Plan</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 1 of 3		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
Fund as a Medium Priority	This project develops a watershed management plan to identify flood risks in areas with no detailed study information available.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$50,000	\$100,000	\$150,000
Pinellas County	\$0	\$50,000	\$100,000	\$150,000
<b>Total</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$200,000</b>	<b>\$300,000</b>



Project No. Q221	<b>Study – Curlew Creek &amp; Smith Bayou Feasibility Study</b>			
Pinellas County	FY2022			
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 1 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating system class is 5 and is in the 5 or less range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$180,500	\$180,500	\$361,000
Pinellas County	\$0	\$180,500	\$180,500	\$361,000
<b>Total</b>	<b>\$0</b>	<b>\$361,000</b>	<b>\$361,000</b>	<b>\$722,000</b>

Project No. Q226	<b>WMP – Hillsborough County Countywide Watershed Model Migration and Integration</b>			
Hillsborough County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 1 of 2		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	Project cost is considered reasonable based upon County's 17 WMP updates.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 24 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives. <b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$500,000	\$500,000	\$1,000,000
Hillsborough County	\$0	\$500,000	\$500,000	\$1,000,000
<b>Total</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$2,000,000</b>

Project No. Q227	<b>Study – 76th Street West Bypass Feasibility Study</b>			
Hillsborough County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be 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.			
<b>Costs:</b>	Total project cost: \$100,000 (study) Hillsborough County: \$50,000 District: \$50,000 requested in FY2022			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	High	The benefit of this project is to determine permissible, 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.		
<b>Cost Effectiveness:</b>	Medium	Costs are consistent with the cost of similar District funded feasibility studies.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 24 ongoing projects.		
<b>Complementary Efforts:</b>	High	Cooperator's Community Rating System class is 5 and is in the 5 or better range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$50,000	\$0	\$50,000
Hillsborough County	\$0	\$50,000	\$0	\$50,000
<b>Total</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$100,000</b>

Project No. Q228	<b>WMP – City of Madeira Beach Watershed Management Plan</b>			
City of Madeira Beach				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project cost: \$148,492 City of Madeira Beach: \$74,246 District: \$74,246.16 with \$74,246 requested in FY2022.			
<b>Evaluation</b>				
<b>Application Quality:</b>	High	Application included all the required information identified in the CFI Guidelines.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 7 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<p><b>Strategic Initiative - Floodplain Management:</b> Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</p> <p><b>Tampa Bay Region Priority: Flood Protection:</b> Improve flood protection in Lake Tarpon, the Pithlachascotee, Anclote and Hillsborough Rivers and Pinellas County coastal watersheds.</p>		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as a Medium Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$74,246	\$0	\$74,246
City of Madeira Beach	\$0	\$74,246	\$0	\$74,246
<b>Total</b>	<b>\$0</b>	<b>\$148,492</b>	<b>\$0</b>	<b>\$148,492</b>

Project No. Q233	<b>Study – Clearwater Harbor/St Joseph Sound Nitrogen Source Identification</b>			
Pinellas County				FY2022
<b>Risk Level:</b>	Type 3	<b>Multi-Year Contract:</b> Yes, Year 1 of 4		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	The contractual Measurable Benefit will be the completion of this study.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Medium	The cost effectiveness for this study is slightly higher than comparable past projects.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 14 ongoing projects.		
<b>Complementary Efforts:</b>	High	Applicant has an active stormwater utility that collects fees.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	Medium	<b>Strategic Initiative - Water Quality Assessment and Planning:</b> Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$50,000	\$150,000	\$200,000
Pinellas County	\$0	\$50,000	\$150,000	\$200,000
<b>Total</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$300,000</b>	<b>\$400,000</b>

Project No. Q274	<b>Reclaimed – Zephyrhills to Pasco County Reclaimed Water Interconnect</b>			
Zephyrhills				FY2022
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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).			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project cost: \$1,760,000 (design, permitting and construction) Zephyrhills: \$880,000; District: \$880,000, with all requested in FY2022.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	Medium	The benefit will be the improvement of reclaimed water availability to enable future reclaimed water system expansions.		
<b>Cost Effectiveness:</b>	Medium	The costs are slightly higher (~15%+) than the range of costs for similar storage and pumping projects co-funded by the District.		
<b>Past Performance:</b>	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.		
<b>Complementary Efforts:</b>	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.		
<b>Project Readiness:</b>	High	Project is ready to begin on or before December 1, 2021.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Reclaimed Water:</b> Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies. <b>Tampa Bay Region Priority:</b> Implement Minimum Flow and Level (MFL) Recovery Strategies.		
<b>Overall Ranking and Recommendation</b>				
<b>Fund as a Medium Priority</b>	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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$880,000	\$0	\$880,000
Zephyrhills	\$0	\$880,000	\$0	\$880,000
<b>Total</b>	<b>\$0</b>	<b>\$1,760,000</b>	<b>\$0</b>	<b>\$1,760,000</b>

Project No. W102	<b>SW IMP – Water Quality – Town of Redington Beach Stormwater Retrofits Phase II</b>			
Town of Redington Beach	FY2022			
<b>Risk Level:</b> Type 3		<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project cost: \$150,000 (Design, permitting, construction) Town of Redington Beach: \$75,000 District: \$75,000			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	High	Based on the cooperator having no ongoing projects with the District they are ranked high.		
<b>Complementary Efforts:</b>	High	Applicant has an active stormwater utility that collects fees.		
<b>Project Readiness:</b>	Medium	Project is ready to begin on or before March 1, 2022.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>	High	<b>Strategic Initiative - Water Quality Maintenance and Improvement:</b> Develop and implement programs, projects and regulations to maintain and improve water quality. <b>Tampa Bay Region Priority:</b> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.		
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$75,000	\$0	\$75,000
Town of Redington Beach	\$0	\$75,000	\$0	\$75,000
<b>Total</b>	<b>\$0</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$150,000</b>

<b>Project No. Q222</b>	<b>SW IMP – Flood Protection – Buzzard Lake</b>			
<b>Pasco County</b>				<b>FY2022</b>
<b>Risk Level:</b>	Type 2	<b>Multi-Year Contract:</b> No		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	Total project costs: \$302,000 (construction) Pasco County: \$151,000 District: \$151,000 requested in FY2022.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	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.		
<b>Cost Effectiveness:</b>	Low	Benefit/Cost ratio is less than 0.7.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	Medium	Project is ready to begin on or before March 1, 2022.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>				
<b>Overall Ranking and Recommendation</b>				
<b>Low Priority Not Recommended for funding</b>	While there is a reduction in street flooding, there is not for structures and the project is not cost effective.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$151,000	\$0	\$151,000
Pasco County	\$0	\$151,000	\$0	\$151,000
<b>Total</b>	<b>\$0</b>	<b>\$302,000</b>	<b>\$0</b>	<b>\$302,000</b>



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		
<b>Description</b>				
<b>Description:</b>	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.			
<b>Measurable Benefit:</b>	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.			
<b>Costs:</b>	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.			
<b>Evaluation</b>				
<b>Application Quality:</b>	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.		
<b>Project Benefit:</b>	Low	Insufficient information to define project benefit, but could have greater benefit with more refinement.		
<b>Cost Effectiveness:</b>	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.		
<b>Past Performance:</b>	Medium	Based upon an assessment of the schedule and budget for the 19 ongoing projects.		
<b>Complementary Efforts:</b>	Medium	Cooperator's Community Rating System class is a 6 and is in the 6 to 9 range.		
<b>Project Readiness:</b>	Low	Project is not expected to begin until after March 1, 2022.		
<b>Strategic Goals</b>				
<b>Strategic Goals:</b>				
<b>Overall Ranking and Recommendation</b>				
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.			
<b>Funding</b>				
<b>Funding Source</b>	<b>Prior</b>	<b>FY2022</b>	<b>Future</b>	<b>Total</b>
District	\$0	\$400,000	\$3,127,623	\$3,527,623
Pasco County	\$0	\$400,000	\$3,127,623	\$3,527,623
<b>Total</b>	<b>\$0</b>	<b>\$800,000</b>	<b>\$6,255,246</b>	<b>\$7,055,246</b>

*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](mailto: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](http://WaterMatters.org/ADA).*