Fiscal Year 2018 Annual Service Budget **Budget-In-Brief**





October 1, 2017 through September 30, 2018

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs and activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact the District's Human Resources Office Chief, 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4703; or email <u>ADACoordinator@WaterMatters.org</u>. 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).

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Fiscal Year 2018 Annual Service Budget Budget-In-Brief

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| September 30, 2017

Subject: Fiscal Year 2018 Millage Rate and Annual Service Budget

Dear Citizens:

On behalf of the Southwest Florida Water Management District Governing Board, I am pleased to present the District's adopted budget for fiscal year (FY) 2018, which begins October 1, 2017 and ends September 30, 2018.

The FY2018 budget is designed to protect Florida's water and related natural resources in accordance with Governing Board priorities, Legislative directives, and our Five-Year Strategic Plan. The District continues to focus on mission critical areas, protecting our springs, and funding a significant amount in capital projects including alternative water supply projects. In addition, our long-term funding plan demonstrates that the District's fiscal resources, supplemented with prudently managed project reserves, can support a healthy investment in the water resources and economy over the next five years.

On September 30, 2017, the District's Governing Board adopted a final millage, the rolled-back rate of 0.3131 mill, which is a reduction of 5.6 percent. Over the last eight fiscal years, the millage rate has been reduced more than 48 percent to help reduce the tax burden for Florida residents while protecting the region's water resources.

The FY2018 adopted budget is \$183.7 million, compared to \$180.1 million for FY2017. More than \$107 million, representing 58 percent of the total budget, is dedicated for Cooperative Funding Initiative and District projects illustrating the District's commitment to putting tax dollars to work. These projects leveraged with District partners will result in a total investment of \$151 million for sustainable alternative water supply development and other water resource management projects. Since 1988, the District and its partners have a combined investment of more than \$3 billion in critical water resource projects.

With the support of the Governor, State Legislature, and Florida Department of Environmental Protection, the District has committed \$8.6 million for the region's coastal springs systems. Springs continue to be a unique destination for both our citizens and visitors. These efforts will contribute to the beneficial reuse of reclaimed water and restoring degraded springs and spring-fed rivers through a variety of techniques such as monitoring, research and development, and restoration.

The District has prioritized implementing water resource development projects, as outlined in the Regional Water Supply Plan. The budget includes \$40.6 million for alternative water supply projects, of which approximately \$10.5 million is budgeted for cooperatively-funded reclaimed water projects to continue to reduce the use of potable-quality water.

Chair, Pasco Jeffrey M. Adams Vice Chair, Pinellas Bryan K. Beswick Secretary, DeSoto, Hardee, Highlands Ed Armstrong Treasurer, Pinellas H. Paul Senft, Jr. Former Chair, Polk Michael A. Babb Former Chair, Hillsborough

Randall S. Maggard

John Henslick Manatee

James G. Murphy Polk

Kelly S. Rice Citrus, Lake, Levy, Sumter Joel Schleicher

> Charlotte, Sarasota Rebecca Smith Hillsborough, Pinellas Mark Taylor Hernando, Marion Michelle Williamson

Hillsborough

Brian J. Armstrong, P.G. Executive Director SUBJECT: Fiscal Year 2018 Millage Rate and Annual Service Budget Page 2 September 30, 2017

The District continues to build on our culture of efficiency by operating within our means without incurring debt. This budget is dedicated to the District's core areas of responsibility of flood protection, water supply, water quality and natural systems, with a significant investment in water resource projects and strategic initiatives and is intended to provide the highest quality of service to the citizens of west-central Florida.

Sincerely,

Brian J. Armstrong, P.G. Executive Director

BJA:mbc Enclosure This page left blank intentionally.

FY2018 BUDGET DEVELOPMENT CALENDAR

October 1	District fiscal year (FY) begins
October	Preliminary Budget development begins
October 7	Applications for FY2018 cooperative funding requests due
October 25	Governing Board approval of Preliminary Budget development process and assumptions
December 2	Draft Preliminary Budget provided to Department of Environmental Protection (DEP) for review
December 13	Governing Board approval of Preliminary Budget for submission to the Florida Legislature by January 15, 2017
January 1	Truth in Millage (TRIM) Certification of Compliance or Noncompliance with section 200.065, Florida Statutes (F.S.), due to the Department of Financial Services (373.503(6), F.S.)
January 15	Preliminary Budget due to the Florida Legislature (373.535(1)(a), F.S.)
February	Distribution of FY2018 Budget Preparation Guidelines and staff training conducted
February 1-9	Preliminary review and rankings of Cooperative Funding requests for FY2018 by four regional subcommittees of Governing Board
March 1	Legislative Preliminary Budget comments due to the Districts (373.535(2)(b), F.S.)
March 15	District must provide written response to any legislative comments (373.535(2)(b), F.S.)
March – May	District continues evaluation and refinement of the budget
April 5-13	Finalize review and rankings of Cooperative Funding requests for FY2018 by four regional subcommittees of Governing Board
June 1	Estimates of taxable values from 16 county property appraisers
June 27	FY2018 Recommended Annual Service Budget delivered to the Governing Board (373.536(2), F.S.)
July 1	If no action taken by the Florida Legislature, development of the Tentative Budget proceeds (373.535(2)(c), F.S.)
July 1	Property Appraisers provide certificates of taxable values to the District – TRIM (193.023(1) & 200.065(1), F.S.)
July 17	Draft Tentative Budget due to DEP for review
July 25	Governing Board adopts the proposed millage rate and approves the August 1 submittal of the Tentative Budget

August 1	Tentative Budget due to the Florida Legislature (373.536(5)(d), F.S.)
August 4	TRIM - DR420 forms submitted to 16 county property appraisers (200.065(2)(b), F.S.)
August 22	Tentative Budget presented to legislative staff
September 5	Comments on Tentative Budget due from legislative committees and subcommittees (373.536(5)(f), F.S.)
September 19	Written disapproval of any provision in Tentative Budget due from Executive Office of Governor (EOG) and Legislative Budget Commission (373.536(5)(c), F.S.)
September 26	Public Hearing to adopt the tentative millage rate and budget (Tampa Office) (373.536(3), F.S.)
September 30	Public hearing to adopt the final millage rate and budget (Tampa Office) (373.536(3), F.S.)
September 30	District fiscal year ends
October 10	Within 10 days of adoption, District submits Adopted Budget for current fiscal year to the Florida Legislature (373.536(6)(a)1., F.S.)
October 30	Within 30 days of the Adopted Budget, District submits TRIM certification package to Department of Revenue (200.068, F.S.)

FINANCIAL SUMMARY

OVERVIEW

The fiscal year (FY) 2018 Adopted Budget demonstrates the District's commitment to protecting Florida's water and related natural resources. The District continues to focus on mission critical areas, protecting Florida springs, funding a significant amount of capital investment in the region including alternative water supply projects. The FY2018 Adopted Budget is \$183.7 million, compared to \$180.1 million for FY2017. This is an increase of \$3.6 million or two percent.

The operating or recurring portion of the FY2018 budget is \$76.3 million, compared to \$75.4 million for FY2017. This is an increase of \$821,710 or one percent. This is primarily due to a projected 8 percent increase in group insurance, which the District continues to maintain consistent with the other water management districts and the state. In the FY2018 Adopted Budget, there are no increases in full-time equivalent (FTE) positions or pay increases. Holding the operating expenditures low provides the District the opportunity to invest funds in cooperative funding projects where the dollars are leveraged to the benefit of the environment.

The projects or non-recurring portion of the FY2018 budget is \$107.4 million, compared to \$104.7 million for FY2017. This is an increase of \$2.7 million or three percent. Cooperative Funding Initiative (CFI) projects and District grants account for \$79.7 million, including \$2 million in local revenue for projects where the District is serving as the lead party. The District's funds leveraged with its partners will result in a total regional investment of \$151 million for sustainable alternative water supply development and other water resource management projects. In addition, CFI and District grants are substantially outsourced by the District and its partners; combined with the \$21.5 million budgeted for outsourced services, this results in \$101.2 million or approximately 55 percent of the FY2018 Adopted Budget providing a direct benefit to the economy.

The FY2018 Adopted Budget includes \$108.1 million in ad valorem property tax revenue. This is based on the District's Governing Board adopting a final millage, the rolled-back rate of 0.3131 mill, which is a reduction of 5.6 percent from FY2017. Over the last eight fiscal years, the millage rate has been reduced more than 48 percent to help reduce the tax burden for Florida residents while protecting the region's water resources.

ADEQUACY OF FISCAL RESOURCES

The District is committed to solving the region's water resource issues cooperatively. Its CFI has been in place since 1988 and has resulted in a combined investment (District and cooperators) of more than \$3 billion for the region's water resources. CFI projects are based on regional water supply plans and established funding thresholds for vital natural systems, flood protection and water quality projects.

The evaluation of fiscal resources over a five-year span is required to ensure sustainable funding for CFI and other critical projects and plans set forth by the District. This evaluation includes the District's long-term funding plan demonstrating the District's ability to adequately address the core mission areas of responsibility (AORs).

The District's financial modeling tool is used to assist the District in assessing the adequacy of its financial resources under various economic conditions and resource demands. The financial model considers all available resources and reserves, and projects future revenues and resource demands, including the District's commitment to fund at least half the annual budget for non-recurring projects. The funding commitment in non-recurring expenditures includes funding for major water supply and resource development projects consistent with the 2015 Regional Water Supply Plan (RWSP), and for smaller local projects, typically conservation and reuse. The District believes its resources supplemented with project reserves, can adequately maintain a healthy investment in water resources over the next five years.



BUDGET BY FUND

The **General Fund** budget is \$170,070,236, an increase of \$8,339,803 compared to \$161,730,433 in FY2017. The increase is primarily due to an increase in Cooperative Funding Initiative projects (\$23,634,924). This is primarily offset by reductions in Springs projects funded by the Department of Environmental Protection Springs Initiative (\$5,894,495); Florida Forever land acquisition and associated ancillary costs for conservation and restoration purposes (\$4,175,000); and well construction associated with the Aquifer Exploration and Monitor Well Drilling program (\$1,343,167).

The **FDOT Mitigation Fund** budget is \$1,626,170, a decrease of \$1,928,196 compared to \$3,554,366 in FY2017. The Governing Board approved the most recent mitigation plan on February 28, 2017. The decrease is primarily due to the completion of mitigation sites in FY2017 (\$1,539,570), and a majority of sites currently in perpetual monitoring and maintenance meeting initial permitting requirements for release by the US Army Corps of Engineers (\$388,626).

The **Facilities Fund** budget is \$759,100, an increase of \$58,997 compared to \$700,103 in FY2017. The District continues its historical practice of completing major facilities construction projects on a pay-as-you-go basis. The budget includes \$429,100 for pavement repair/resurfacing and \$330,000 for Districtwide roof, heating, ventilation and air conditioning replacement, and facility capital renovation projects.

The **Structures Fund** budget is \$870,000, an increase of \$260,000 compared to \$610,000 in FY2017. The District's flood control system is comprised of major structures in need of upgrading, enhancing or refurbishing. The budget includes \$250,000 for the Thirteen-Mile Run structure system replacement; \$200,000 for remote operation of the Tampa Bypass Canal weir gate; \$200,000 for Lake Bay water conservation structure replacement; \$150,000 for manatee protection barrier systems at Lake Tarpon and Tampa Bypass Canal; and \$70,000 for Wysong water conservation structure refurbishment.

The **Florida Forever Fund** budget is \$10,375,000, a decrease of \$3,155,000 compared to \$13,530,000 in FY2017. The District acquires land through the Florida Forever program for conservation and restoration purposes. The budget includes \$4,300,000 of prior year appropriations from the Florida Forever Trust Fund for land acquisition. The remaining \$6,075,000 is held in District investment accounts that were generated from the sale of land or real estate interests.

BUDGET SUMMARY COMPARISON BY FUND

	FY2017		FY20 ⁴	18	DIFFERENCE	
	ADOPTED	MILLAGE	ADOPTED	MILLAGE	INCREASE /	% OF
	BUDGET	RATE	BUDGET	RATE	(DECREASE)	CHANGE
FUND						
General Fund						
General Fund - District	\$161,730,433	0.3317	\$170,070,236	0.3131	\$8,339,803	5.16%
Total General Fund	\$161,730,433	0.3317	\$170,070,236	0.3131	\$8,339,803	5.16%
Special Revenue Funds						
FDOT Mitigation Fund	\$3,554,366		\$1,626,170		(\$1,928,196)	-54.25%
Total Special Revenue Funds	\$3,554,366		\$1,626,170		(\$1,928,196)	-54.25%
Capital Projects Funds						
Facilities Fund	\$700,103		\$759,100		\$58,997	8.43%
Structures Fund	610,000		870,000		260,000	42.62%
Florida Forever Fund	13,530,000		10,375,000		(3,155,000)	-23.32%
Total Capital Projects Funds	\$14,840,103		\$12,004,100		(\$2,836,003)	-19.11%
Total Appropriation	\$180,124,902		\$183,700,506		\$3,575,604	1.99%

BUDGET BY REVENUE SOURCE

Ad Valorem Taxes: Represents property taxes levied on the taxable value of real and personal property as certified by the property appraiser in each county. A millage rate of 0.3131 mill for FY2018 was adopted by the Governing Board at the final public hearing held September 30, 2017. This millage rate is 5.6 percent lower than in FY2017. The budget includes \$108,116,279 in ad valorem revenue, which is the primary source of funding for the District.

Balance from Prior Years: Represents unallocated balances available from prior year budgets. These funds result from revenues received greater than budgeted or unexpended funds primarily due to projects completed under budget or cancelled. The budget includes \$37,477,684 in balance from prior years.

Use of Reserves: Represents restricted basin and assigned short-term project reserves to fund vital water resource management projects. The budget includes \$13,692,960 in use of reserves (\$6,975,359 – restricted basin; assigned short-term project – \$6,717,601).

State/Federal/Local Funding: Represents funds received from the State of Florida, federal government and local governments. State funding includes \$4,300,000 from Florida Forever Trust Fund prior year appropriations for land acquisition; \$4,248,885 from the Department of Environmental Protection for Springs Initiatives; \$2,250,000 from the Land Acquisition Trust Fund for land management activities; \$1,626,170 for the Florida Department of Transportation Mitigation program; \$400,000 from state appropriations for the Weeki Wachee River Channel Restoration project; \$400,000 from the Florida Fish and Wildlife Conservation Commission for aquatic weed control; and \$416,250 from other state programs. Local funding totals \$2,030,750 for cooperatively funded projects where the District serves as the lead party. No federal funding is included in the budget.

Permit and License Fees: Represents revenue generated from consumptive use permits, environmental resource permits, water well construction permits and water well contractor licenses. The budget includes \$1,938,500 in permit and license fees.

Interest Earnings on Investments: The budget includes \$6,200,000 based on a 1.35 percent estimated yield on investments.

Other Revenue: Represents items that fall outside of the categories described above, including revenue generated from District-owned lands such as timber sales. The budget includes \$603,028 in other revenue.

BUDGET SUMMARY COMPARISON BY REVENUE SOURCE

	FY2017		FY2018 BY FUND			FY2018	
	ADOPTED BUDGET	% OF TOTAL	GENERAL FUND	SPECIAL REVENUE FUNDS	CAPITAL PROJECTS FUNDS	ADOPTED BUDGET	% OF TOTAL
REVENUE SOURCE							
Ad Valorem Taxes	\$105,954,256	58.8%	\$106,487,179	\$0	\$1,629,100	\$108,116,279	58.9%
Balance from Prior Years	25,103,951	13.9%	31,402,684	-	6,075,000	37,477,684	20.4%
Use of Reserves	8,769,937	4.9%	13,692,960	-	-	13,692,960	7.4%
Local Funding	2,591,000	1.4%	2,030,750	-	-	2,030,750	1.1%
State Funding:							
DEP - Inglis Dam & Spillway	\$150,000		\$150,000	\$0	\$0	\$150,000	
DEP - Springs Initiative	10,143,380		4,248,885	-	-	4,248,885	
DEP - CFWI Springs Conservation	637,350		-	-	-	-	
FDACS - Enhanced Prescribed Fire Program	-		66,250			66,250	
FDOT - Efficient Transportation Decision Making (ETDM)	200,000		200,000	-	-	200,000	
FDOT - Mitigation Program	3,554,366		-	1,626,170	-	1,626,170	
FFWCC - Aquatic Plant Management	424,455		400,000	-	-	400,000	
Florida Forever Trust Fund (FFTF) - prior year funds	13,530,000		-	-	4,300,000	4,300,000	
State Appr Land Acquisition Trust Fund (LATF)	2,750,000		2,250,000	-	-	2,250,000	
State Appr Weeki Wachee River Channel Restoration	-		400,000	-	-	400,000	
Total State Funding	\$31,389,551	17.5%	\$7,715,135	\$1,626,170	\$4,300,000	\$13,641,305	7.4%
Federal Funding:							
NOAA - Lemon Bay Habitat Restoration	\$420,000		\$0	\$0	\$0	\$0	
Total Federal Funding	\$420,000	0.2%	\$0	\$0	\$0	\$0	0.0%
Other Funding:							
Permit and License Fees	\$1,550,000		\$1,938,500	\$0	\$0	\$1,938,500	
Interest Earnings on Investments	3,800,000		6,200,000	-	-	6,200,000	
Other Revenue	546,207		603,028	-	-	603,028	
Total Other Funding	\$5,896,207	3.3%	\$8,741,528	\$0	\$0	\$8,741,528	4.8%
Total Revenues and Balances	\$180,124,902	100.0%	\$170,070,236	\$1,626,170	\$12,004,100	\$183,700,506	100.0%







HISTORICAL MILLAGE RATE

*For comparative purposes, the FY2010 and FY2011 millage rates represent the blended rate (Basins and General Fund) necessary to generate each year's ad valorem tax revenue. The District's Basin Boards were eliminated effective FY2012.

BUDGET BY EXPENDITURE CATEGORY

Recurring

Salaries and Benefits: Includes 574 full-time equivalent positions (FTEs), consistent with FY2017. The budget is \$50,318,950, an increase of \$958,771 compared to \$49,360,179 in FY2017.

Operating Expenses: Includes items such as Property Tax Commissions, Software/Software Maintenance/Cloud Services, Parts and Supplies, Utilities, Insurance and Bonds, Fuels and Lubricants, Maintenance/Repair of Buildings and Structures, and Telephone/Data Communications. The budget is \$15,658,174, an increase of \$1,127,960 compared to \$14,530,214 in FY2017. For a detailed listing of Operating Expenses categories, refer to page 31.

Contracted Services for Operational Support & Maintenance: Includes outsourced services in support of District operations such as Data Collection, Land Management, Structure Operations and Maintenance, Minimum Flows and Minimum Water Levels Establishment/Evaluation, and Information Technology. These services are performed by the private sector and represent direct investments into the economy as well as provide support for the vital projects that protect Florida's water resources. The budget is \$8,280,473, a decrease of \$1,309,712 compared to \$9,590,185 in FY2017. For a detailed listing of Contracted Services for Operational Support & Maintenance categories, refer to page 32.

Operating Capital Outlay: Represents heavy equipment, vehicles, airboats, computer hardware, capital leases, and equipment with a value per item of at least \$1,000 and an estimated useful life of one or more years. The budget is \$1,993,123, an increase of \$44,691 compared to \$1,948,432 in FY2017. For a detailed listing of Operating Capital Outlay requests, refer to page 33.

Non-Recurring

Contracted Services for District Projects: Represents District-led projects such as Surface Water Improvement and Management (SWIM) restoration, Institute of Food and Agricultural Sciences (IFAS) research and Florida Department of Transportation (FDOT) Mitigation. The budget is \$13,215,679, a decrease of \$2,016,680 compared to \$15,232,359 in FY2017. For a detailed listing of Contracted Services for District Projects, refer to page 34.

Cooperative Funding/District Grants: Represents matching funds through the District Cooperative Funding Initiative (CFI) and District grants such as the Facilitating Agricultural Resource Management Systems (FARMS) program. The CFI generally provides 50 percent matching funds toward the cost of projects that help create sustainable water resources, enhance conservation efforts, provide flood protection and restore natural eco-systems. The budget is \$79,735,348, an increase of \$12,694,744 compared to \$67,040,604 in FY2017. For a detailed listing of Cooperative Funding and District Grants, refer to page 39.

Fixed Capital Outlay: Represents land purchases, land easements, water control structures, well construction, buildings and bridges. The budget is \$14,498,759, a decrease of \$7,924,170 compared to \$22,422,929 in FY2017. For a detailed listing of Fixed Capital Outlay requests, refer to page 49.

BUDGET SUMMARY COMPARISON BY CATEGORY

	FY201	7	FY2018	3
	ADOPTED	% OF	ADOPTED	% OF
	BUDGET	TOTAL	BUDGET	TOTAL
Recurring				
Salaries and Benefits	\$49,360,179	27.4%	\$50,318,950	27.4%
Operating Expenses	14,530,214	8.1%	15,658,174	8.5%
Contracted Services for Operational Support & Maint	9,590,185	5.3%	8,280,473	4.5%
Operating Capital Outlay	1,948,432	1.1%	1,993,123	1.1%
Total Recurring	\$75,429,010	41.9%	\$76,250,720	41.5%
Non-Recurring				
Contracted Services for District Projects	15,232,359	8.5%	13,215,679	7.2%
Cooperative Funding / District Grants	67,040,604	37.2%	79,735,348	43.4%
Fixed Capital Outlay	22,422,929	12.4%	14,498,759	7.9%
Total Non-Recurring	\$104,695,892	58.1%	\$107,449,786	58.5%
Total Expenditures	\$180,124,902	100.0%	\$183,700,506	100.0%

FY2018 FY2017 Adopted Budget Adopted Budget 7.9% 12.4% 27.4% 27.4% 43.4% 8.5% 8.1% 37.2% 4.5% 5.3% 1.1% 1.1% 7.2% 8.5%

- Salaries and Benefits
- Contracted Services for Operational Support & Maint
- Contracted Services for District Projects
- Fixed Capital Outlay

- Operating Expenses
- Operating Capital Outlay
- Cooperative Funding / District Grants

BUDGET BY PROGRAM

The water management districts are responsible for six program areas pursuant to subsection 373.536(5)(e)4, Florida Statutes: Water Resource Planning and Monitoring; Land Acquisition, Restoration and Public Works; Operation and Maintenance of Works and Lands; Regulation; Outreach; and Management and Administration.

Water Resource Planning and Monitoring: Encompasses a broad scope of programs critical to the core mission, including water supply planning, minimum flows and minimum water levels (MFLs), data collection, research and studies, watershed and water body planning, flood mapping, and technical assistance to local governments. The budget is \$29,800,612, an increase of \$124,861 compared to \$29,675,751 in FY2017.

Land Acquisition, Restoration and Public Works: Includes funding for capital projects such as water supply development, water resource development, stormwater management, both the implementation of storage and conveyance Best Management Practices (BMPs) and water quality improvements, and natural system restoration. Also included is the acquisition of lands for flood protection, water storage, water management, conservation and protection of water resources, aquifer recharge, and preservation of wetlands, streams, lakes and springs. The budget is \$100,377,933, an increase of \$4,001,309 compared to \$96,376,624 in FY2017.

Operation and Maintenance of Works and Lands: Includes management of District lands; operation and maintenance of water control structures and related facilities; maintenance of District buildings, vehicles and field equipment; aquatic plant control; and emergency operations. The budget is \$21,484,031, an increase of \$338,011 compared to \$21,146,020 in FY2017.

Regulation: Includes all permitting functions of the District, including consumptive use permitting, water well construction permitting and water well contractor licensing, and environmental resource permitting. The budget is \$18,285,276, a decrease of \$78,806 compared to \$18,364,082 in FY2017.

Outreach: Includes public and youth education, public information, and legislative liaison functions. The budget is \$2,088,827, an increase of \$95,526 compared to \$1,993,301 in FY2017.

Management and Administration: Encompasses the business functions necessary to operate the District, including executive direction, legal services, internal audit services, finance, procurement, human resources, risk management, property appraiser and tax collector commissions, and other administrative support. The budget is \$11,663,827, a decrease of \$905,297 compared to \$12,569,124 in FY2017.

BUDGET SUMMARY COMPARISON BY PROGRAM

	FY201	7	FY2018		
	ADOPTED	% OF	ADOPTED	% OF	
	BUDGET	TOTAL	BUDGET	TOTAL	
Program					
Water Resource Planning and Monitoring	\$29,675,751	16.5%	\$29,800,612	16.2%	
Land Acquisition, Restoration and Public Works	96,376,624	53.5%	100,377,933	54.7%	
Operation and Maintenance of Works & Lands	21,146,020	11.7%	21,484,031	11.7%	
Regulation	18,364,082	10.2%	18,285,276	10.0%	
Outreach	1,993,301	1.1%	2,088,827	1.1%	
Management and Administration	12,569,124	7.0%	11,663,827	6.3%	
Total Expenditures	\$180,124,902	100.0%	\$183,700,506	100.0%	









- Water Resource Planning and Monitoring
- Operation and Maintenance of Works & Lands
- Outreach

- Land Acquisition, Restoration and Public Works
- Regulation
- Management and Administration

BUDGET BY AREA OF RESPONSIBILITY

Chapter 373, Florida Statutes (F.S.) authorizes the District to direct a wide range of initiatives, programs, and actions. These responsibilities are grouped under four core mission areas by statute: water supply, water quality, flood protection and floodplain management, and natural systems. The District has developed and the Governing Board has approved the 2015-2019 Strategic Plan, updated October 2016, which reflects the District's commitment to meeting the four core mission areas.

Water Supply

\$57,628,323

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

The District is providing cost-share funding for water supply planning efforts in the Adopted Budget, including a collaboration with the St. Johns River and South Florida water management districts, Department of Environmental Protection (DEP), Department of Agriculture and Consumer Services, and public supply utilities on the Central Florida Water Initiative (CFWI). The District included \$319,278 in the budget to continue this effort, half of which is a water supply benefit and half natural systems. Data collection activities that aid in the evaluation of future water supply needs in the CFWI area are provided with \$1.3 million in the budget for Aquifer Exploration and Monitor Well Drilling, which also includes associated real estate services and land survey costs for site acquisition.

Alternative Water Supplies – Increase development of alternative sources of water to ensure groundwater and surface water sustainability.

The District offers funding incentives for the development of alternative water supplies (AWS) to reduce competition for limited supplies of fresh groundwater. Through its Cooperative Funding Initiative, the District leverages other local and regional funding by offering matching funds generally up to 50 percent of the cost of AWS projects. The Adopted Budget consists of \$21.7 million in water supply benefits for AWS under water supply development assistance including regional interconnections and aquifer recharge systems. This includes funding for a major AWS project being developed in the CFWI area, a groundwater reverse osmosis facility in Punta Gorda, and a groundwater replenishment project in the Tampa Bay region which pioneers the first indirect potable reuse project in the state of Florida. Reclaimed water and conservation funding could be considered AWS as well, but are covered separately below. The budget also includes water resource development projects with \$3.9 million in water supply benefits.

Reclaimed Water – Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.

Approximately \$9.2 million in water supply benefits is in the budget for 33 cooperatively-funded reclaimed water projects. This includes a project that will supply 1.2 million gallons per day (mgd) of reclaimed water for residential irrigation and enable a future supply of up to 8.6 mgd to the south Hillsborough area and additional residential irrigation customers in the Most Impacted Area of the Southern Water Use Caution Area (SWUCA). In addition, the Adopted Budget includes a project to supply 0.35 mgd of reclaimed water to approximately 915 residential customers in the "Ridge Area" of the CFWI.

Conservation – Enhance efficiencies in all water-use sectors to ensure beneficial use.

The District's water conservation program has many facets. Approximately \$584,000 is included in the budget for 30 cooperatively-funded or District-initiated water conservation projects in partnership with local governments and other entities. Much of the Adopted Budget for water resource education is

directed at water conservation education programs or projects with a conservation component (\$308,722). The District also implements regulatory requirements and incentives to achieve water conservation (\$2.1 million).

FARMS – A cooperative public-private cost-share reimbursement program to implement agricultural best management practices (BMPs). The Facilitating Agricultural Resource Management Systems (FARMS) program is an important component of the District's SWUCA Recovery Strategy to address water supply, water quality and natural systems initiatives. FARMS projects include both reclaimed water and conservation components which accounts for \$5.5 million of the \$6.9 million included in the Adopted Budget.

Water Quality

\$31,780,401

Water Quality Assessment and Planning – Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.

The District collects and analyzes water quality data through several monitoring networks and program specific efforts. Major long-term ongoing water quality monitoring network efforts include coastal groundwater (\$219,308), springs (\$243,845), rivers/streams and associated biological surveys (\$109,907), Upper Floridan Aquifer/springs recharge basins (\$47,727), and lakes (\$22,921). These monitoring networks provide a benefit to water quality and natural systems equally. Data is also collected for the District's 12 Surface Water Improvement and Management (SWIM) priority water bodies. The District prepares plans for the protection and restoration of these SWIM water bodies, develops water quality management plans and diagnostic studies for other significant water bodies, and provides financial support for three national estuary programs (Tampa Bay, Sarasota Bay and Charlotte Harbor).

Water Quality Maintenance and Improvement – Develop and implement programs, projects, and regulations to maintain and improve water quality.

Approximately \$4.6 million in water quality benefits is in the Adopted Budget for 56 cooperativelyfunded or District-initiated stormwater water quality improvement projects.

Some restoration projects provide water quality benefits, along with habitat improvement as described under "Conservation and Restoration". There are 25 projects of this nature implemented through the SWIM, cooperative funding, and land management programs with approximately \$3.7 million going toward water quality benefits. Additionally, eight stormwater flood protection projects provide approximately \$2 million in water quality benefits.

The FARMS program targets agricultural water conservation and AWS use (see above) but also provides water quality benefits (\$1.4 million) through improved surface water and groundwater management, particularly in targeted areas such as the Shell, Prairie, and Joshua Creek watersheds. One sector of the program focuses on rehabilitation (back-plugging) of wells to minimize the impact of highly mineralized groundwater (\$53,966). A related effort, the Quality of Water Improvement Program, provides cost-share reimbursement to landowners for the plugging of abandoned wells to reduce inter-aquifer exchange of poor water quality and potential surface water contamination (\$589,340). In addition, the District's regulatory activities include water quality benefits to protect the region's water resources (\$4.1 million).

Flood Protection & Floodplain Management

Floodplain Management – Operate District flood and conservation structures and assist state and local governments and the public to minimize flood damage during and after major storm events.

The District's Watershed Management Program (WMP) is a cooperative effort with local governments to develop a technical understanding of the hydrology of watersheds. The Adopted Budget includes 42 cooperatively-funded projects (\$3.3 million) for the modeling and planning phase of the program supporting floodplain management. Among other benefits, the watershed plans support the development of stormwater models and floodplain information that local city and county governments can use to develop more accurate digital flood hazard maps in cooperation with the Federal Emergency Management Agency. The implementation phase of the WMP involves construction of preventive and remedial projects and best management practices (BMPs) to address potential and existing flooding problems. This flood protection BMPs funding totals approximately \$10.7 million. The District's Environmental Resource Permitting program regulates surface water management and floodplain encroachment to minimize flooding impacts from land development (\$2.4 million).

Emergency Flood Response – Operate District flood control and water conservation structures, providing effective and efficient assistance to state and local governments and the public to minimize flood damage during and after major storm events.

The District maintains and operates 81 water control structures and 63 miles of canals to manage water levels and reduce the risk of flooding. All mission critical water control structures are instrumented for remote control to provide cost efficient operation and improved response time during weather events. Some structures are also equipped with digital video monitoring systems for improved security, safety and reliability of operations during major weather events. The Adopted Budget includes approximately \$7.1 million for the maintenance and improvement of these canals and water management facilities. This provides for operation, maintenance and upgrades to the structures to ensure they are in top operational condition in a major weather event. The District also manages nuisance aquatic vegetation which, although primarily a natural system issue, can exacerbate flooding if not controlled. Also, the District maintains a Comprehensive Emergency Management Plan to guide District staff in the preparation, response, recovery, and mitigation of disasters such as major flood events and hurricanes.

The budget includes \$135,620 for the support of the District's Emergency Operations Center for flood protection. In an actual emergency, the District's Governing Board is authorized under Section 373.536(4)(d), F.S., to expend available funds not included in the budget. The Governing Board would then notify the Executive Office of the Governor and the Legislative Budget Commission within 30 days of the Governing Board's action.

Natural Systems

\$51,620,310

Minimum Flows and Minimum Water Levels (MFLs) Establishment and Monitoring – Establish and monitor MFLs, and, where necessary, develop and implement recovery plans to prevent significant harm and re-establish the natural ecosystem.

The Adopted Budget includes approximately \$2 million to support the establishment and re-evaluation of MFLs, including data collection, monitoring, modeling, mapping, research, hydrologic and biologic analysis, and peer review. Each year the District updates its priority list and schedule for MFLs, and submits the list to the DEP for approval. Several of the District's established MFLs are not being met; and, in accordance with Section 373.042, F.S., the District has implemented recovery strategies to return these water bodies to an acceptable hydrologic condition. The District has \$2.6 million in the budget for specific MFL recovery investigations. MFL recovery efforts are also supported by conservation, alternative water supplies, indirect data collection, development of groundwater models,

watershed management planning, and research. The District's Consumptive Use Permitting program contributes to MFL recovery, with \$1.2 million benefitting natural systems, by ensuring that authorized water withdrawals do not exceed the criteria established in Rules 40D-8 and 40D-80, Florida Administrative Code, for water bodies with adopted MFLs.

Conservation and Restoration – Maintain and identify critical environmentally sensitive ecosystems and implement plans to protect and restore those systems.

The District develops information about natural systems through various data collection efforts, including surface water flows & levels (\$1.4 million), seagrass mapping (\$379,610), wetlands monitoring (\$200,513), and land use/land cover mapping (\$54,074). Aerial orthoimagery is managed as part of the District's geographic information system which includes a broad assemblage of other geographic data that are used for District purposes and made available to other government agencies and the public. In the Adopted Budget, \$628,250 is for ongoing management of these spatial data.

The District manages and helps to protect approximately 450,700 acres of conservation lands for the statutorily-mandated purposes of protecting and restoring their natural condition, and providing for compatible recreational uses for the public. Of this total acreage, more than 106,700 acres are easements. In the budget, \$5.2 million is for land management and land use of these properties.

Restoration of natural systems is achieved primarily through the SWIM, springs initiatives, cooperative funding, and land management programs (41 projects, \$7.1 million). Approximately \$4.2 million is for SWIM projects restoring natural systems, including restoration at Mobbly Bayou, Kracker Avenue and Boyd Hill Nature Preserve. Natural systems restoration also occurs through District mitigation and ongoing maintenance for Florida Department of Transportation projects (\$1.6 million). The Environmental Resource Permitting program (\$2.4 million) ensures that the natural functions of wetlands are protected from the impacts of land development.

Mission Support

\$11,663,827

Mission Support, also known as Management and Administration, trains and equips District employees to achieve the District's strategic initiatives in a cost-efficient and effective manner. These strategies ensure District operations remain strategically aligned and fiscally responsible. Mission Support (\$8.2 million) includes Executive, General Counsel, Inspector General, Finance, Procurement, Human Resources, and Information Technology. Tax commissions/fees for the Property Appraisers and Tax Collectors are in the Adopted Budget at \$3.5 million.

Southwest Florida Water Management District Program and Activity Allocations by Area of Responsibility FY2018 Adopted Budget September 30, 2017

Programs and Activities	FY2018 Budget	Water Supply	Water Quality	Flood Protection	Natural Systems
1.0 - Water Resource Planning and Monitoring	\$29,800,612	\$6,364,826	\$5,733,115	\$7,975,930	\$9,726,741
1.1 - District Water Management Planning	10,405,121	1,063,202	1,612,290	4,470,981	3,258,648
1.1.1 - Water Supply Planning	715,978	556,339	0	0	159,639
1.1.2 - Minimum Flows and Minimum Water Levels	2,203,116	173,264	0	0	2,029,852
1.1.3 - Other Water Resources Planning	7,486,027	333,599	1,612,290	4,470,981	1,069,157
1.2 - Research, Data Collection, Analysis & Monitoring	15,296,052	4,192,651	3,119,615	2,516,903	5,466,883
1.3 - Technical Assistance	1,330,007	423,197	302,270	302,270	302,270
1.5 - Technology & Information Services	2,769,432	685,776	698,940	685,776	698,940
2.0 - Land Acquisition, Restoration and Public Works	\$100,377,933	\$44,440,890	\$17,646,216	\$11,372,226	\$26,918,601
2.1 - Land Acquisition	11,756,593	41,603	18,668	51,861	11,644,461
2.2 - Water Source Development	53,054,598	41,408,463	6,427,369	209,703	5,009,063
2.2.1 - Water Resource Development Projects	15,616,440	9,395,409	1,629,160	0	4,591,870
2.2.2 - Water Supply Development Assistance	36,848,818	32,013,053	4,208,868	209,703	417,193
2.2.3 - Other Water Source Development Activities	589,340	0	589,340	0	0
2.3 - Surface Water Projects	33,888,682	2,572,359	10,777,517	10,696,392	9,842,415
2.5 - Facilities Construction and Major Renovations	810,831	202,708	202,708	202,708	202,708
2.7 - Technology & Information Services	867,229	215,758	219,954	211,562	219,954
3.0 - Operation and Maintenance of Works and Lands	\$21,484,031	\$2,526,538	\$2,240,441	\$7,343,648	\$9,373,404
3.1 - Land Management	5,162,446	22,363	22,363	22,363	5,095,356
3.2 - Works	7,116,551	407,753	39,442	4,997,901	1,671,455
3.3 - Facilities	3,673,338	918,335	918,335	918,335	918,335
3.4 - Invasive Plant Control	676,900	1,906	84,120	84,120	506,754
3.5 - Other Operation and Maintenance Activities	135,620	1,710	1,710	130,490	1,710
3.6 - Fleet Services	2,991,184	747,796	747,796	747,796	747,796
3.7 - Technology & Information Services	1,727,992	426,676	426,676	442,643	431,998
4.0 - Regulation	\$18,285,276	\$3,660,189	\$5,598,920	\$3,927,325	\$5,098,842
4.1 - Consumptive Use Permitting	4,045,547	1,723,971	1,151,163	0	1,170,413
4.2 - Water Well Construction, Permitting & Contractor Licensing	858,162	367,326	490,837	0	0
4.3 - Environmental Resource & Surface Water Permitting	7,175,509	9,169	2,436,372	2,364,984	2,364,984
4.4 - Other Regulatory and Enforcement Activities	2,715,003	686,960	647,785	689,577	690,681
4.5 - Technology & Information Services	3,491,055	872,764	872,764	872,764	872,764

Southwest Florida Water Management District Program and Activity Allocations by Area of Responsibility FY2018 Adopted Budget September 30, 2017

Programs and Activities	FY2018 Budget	Water Supply	Water Quality	Flood Protection	Natural Systems
5.0 - Outreach	\$2,088,827	\$635,880	\$561,709	\$388,516	\$502,722
5.1 - Water Resource Education	780,197	308,722	234,552	61,359	175,564
5.2 - Public Information	1,002,575	250,644	250,644	250,644	250,644
5.4 - Lobbying/Legislative Affairs/Cabinet Affairs	131,179	32,795	32,795	32,795	32,795
5.6 - Technology & Information Services	174,876	43,719	43,719	43,719	43,719
SUBTOTAL - Major Programs (excluding Management and Administration)	\$172,036,679	\$57,628,323	\$31,780,401	\$31,007,645	\$51,620,310
6.0 - Management and Administration	\$11,663,827				
6.1 - Administrative & Operations Support	8,151,057				
6.1.1 - Executive Direction	1,202,078				
6.1.2 - General Counsel/Legal	586,537				
6.1.3 - Inspector General	262,641				
6.1.4 - Administrative Support	3,503,784				
6.1.6 - Procurement/Contract Administration	518,482				
6.1.7 - Human Resources	1,149,861				
6.1.9 - Technology & Information Services	927,674				
6.4 - Other (Tax Collector/Property Appraiser Fees)	3,512,770				
Total Expenditures:	\$183,700,506				





22

Regular FTEs

Temporary Employees

Contingent Workers



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 17-13

ADOPTION OF FINAL MILLAGE RATE AND CERTIFICATION OF LEVY TO THE COUNTY PROPERTY APPRAISERS FOR FISCAL YEAR 2018

WHEREAS, the Governing Board of the Southwest Florida Water Management District (District) by authority of Article VII, Section 9(b) of the Florida Constitution, and Chapters 200 and 373, Florida Statutes, is authorized to levy ad valorem taxes on taxable property within the District; and

WHEREAS, the ensuing fiscal year of the District shall extend the period beginning October 1, 2017 and ending September 30, 2018; and

WHEREAS, the Governing Board of the District has determined that a District millage rate as provided for in Sections 200.065, 373.503 and 373.536, Florida Statutes, is necessary to provide funds for the budgeted expenditures of the District for fiscal year 2018 and should be levied in the amount set forth herein; and

WHEREAS, notices of proposed property taxes, advising of date, time, and place of the first public budget hearing, were prepared and mailed, pursuant to Section 200.065, Florida Statutes, by the county property appraisers of each county within the District; and

WHEREAS, the first public hearing on the tentative millage rate and budget was held by the Governing Board of the District at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, on September 26, 2017, provided in the Notice of Rescheduled Hearing published in accordance with the Department of Revenue, Office of Executive Director, Amended Emergency Order Implementing Provisions of Executive Order Number 17-235 (RE: Hurricane Irma); and

WHEREAS, the Governor's office has reviewed and approved the District's fiscal year 2018 budget pursuant to Section 373.536(5), Florida Statutes; and

WHEREAS, the notice of hearing to adopt the final millage rate and budget for fiscal year 2018, and the adjacent notice meeting the budget summary requirements of Sections 129.03(3)(b) and 373.536(3)(d), Florida Statutes, were duly published, during the period beginning September 25, 2017, and ending September 28, 2017, pursuant to Section 200.065, Florida Statutes, in newspapers of general circulation in each county within the District; and

WHEREAS, the second public hearing on the final budget was held by the Governing Board of the District at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, on September 30, 2017, and commencing at 9:30 a.m., at which the name of the taxing authority, the rolled-back rate, the percentage of increase over the rolled-back rate, and the millage rate to be levied were publicly announced, and the general public was allowed to ask questions and speak prior to the adoption of any measures.

THEREFORE, BE IT RESOLVED, by the Governing Board of the Southwest Florida Water Management District by a vote of ______ in favor, _____ against and ______ not present:

That there is adopted and levied a millage rate, as provided for in Sections 373.503 and 373.536, Florida Statutes, at the rolled-back rate and at less than the maximum millage rate established by Section 200.065, Florida Statutes, for fiscal year 2018, to be assessed on the tax rolls for the year 2017, for the purpose of levying a uniform ad valorem tax on all taxable property in the counties within the District as certified by the county property appraisers pursuant to Section 200.065, Florida Statutes, excluding lands held by the Trustees of the Internal Improvement Trust Fund to the extent specified in Section 373.543, Florida Statutes, as follows:

Taxing Authority	Rolled-Back <u>Rate</u>	Percentage of Increase Over <u>Rolled-Back Rate</u>	Final Millage <u>Rate</u>	Counties Applied To
Southwest Florida Water Management District	0.3131	0%	0.3131	Charlotte, Citrus, DeSoto, Hardee, Hernando, Highlands, Hillsborough, Lake, Levy, Manatee, Marion, Pasco, Pinellas, Polk, Sarasota, and Sumter

APPROVED AND ADOPTED this thirtieth day of September, 2017, by the Governing Board of the Southwest Florida Water Management District.

HWEST FLORIDA AGEMENT DISTRICT By: S. MAGGARD, CHAIR

Attest:

BRYAN K. BESWICK, SECRETARY

CERTIFICATE AS TO RESOLUTION NO. 17-13

STATE OF FLORIDA COUNTY OF HILLSBOROUGH

We, the undersigned, hereby certify that we are, <u>CHAIR</u> and <u>SECRETARY</u> respectively, of the Southwest Florida Water Management District, organized and existing under and by virtue of the Laws of the State of Florida, and having its office and place of business at 2379 Broad Street, Brooksville, Hernando County, Florida, and that, on the thirtieth day of September, 2017, at a duly called and properly held hearing of the Governing Board of the Southwest Florida Water Management District, at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, at which hearing a majority of the members of the Governing Board were present in person or via communications media technology, the resolution, which is attached hereto and which this certificate is a part thereof, was adopted and incorporated in the minutes of that hearing.

Dated at Tampa, Florida, this thirtieth day of September, 2017.

SOM THWEST FLORIDA R MANAGEMENT DISTRICT By: S. MAGGARD, RANDALL CHAIR

Attest:

BESWICK, SECRETARY

ACKNOWLEDGMENT

STATE OF FLORIDA COUNTY OF HILLSBOROUGH

 The foregoing instrument was acknowledged before me this thirtieth day of September, 2017,

 by
 RANDALL S. MAGGARD

 ANDALL S. MAGGARD
 , and

 BRYAN
 BESWICK

 CHAIR
 and

 SECRETARY
 , respectively, of the Governing Board

of the Southwest Florida Water Management District, a public corporation, on behalf of the corporation. They are personally known to me.

WITNESS my hand and official seal on this thirtieth day of September, 2017.

Notary Public State of Florida at Large My Commission Expires:



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 17-14

ADOPTION OF FINAL BUDGET FOR FISCAL YEAR 2018

WHEREAS, Chapters 200 and 373, Florida Statutes, as amended, require that the Governing Board of the Southwest Florida Water Management District (District) adopt a final budget for each fiscal year; and

WHEREAS, the Governing Board of the District, after careful consideration and study, has caused to be prepared a final budget, including all items that are necessary and proper as provided by law for the District, for the ensuing fiscal year beginning October 1, 2017, and ending September 30, 2018, as provided for in Sections 200.065, 218.33, and 373.536, Florida Statutes; and

WHEREAS, the Governing Board of the District assigns a portion of the fund balance for commitments made for goods and services which remain uncompleted as of September 30, 2017, to be reappropriated and incorporated into the final budget of the District for the fiscal year beginning October 1, 2017, and ending September 30, 2018; and

WHEREAS, the Governing Board of the District assigns a portion of the fund balance for approved funds not under contract as of September 30, 2017, to be reappropriated and incorporated into the final budget of the District for the fiscal year beginning October 1, 2017, and ending September 30, 2018; and

WHEREAS, the Governing Board has designated fund balance that will not be appropriated for expenditure in the fiscal year 2018 budget consistent with Board Policy 130-9, Fund Balance. These balances totaling an estimated \$196,278,185, are classified as nonspendable, restricted, committed, and assigned. Consistent with board policy, the amounts committed for the Economic Stabilization Fund need to be reset each year through the budget resolution; and

WHEREAS, notices of proposed property taxes, advising of date, time, and place of the first public budget hearing, were prepared and mailed, pursuant to Section 200.065, Florida Statutes, by the county property appraisers of each county within the District; and

WHEREAS, the first public hearing on the tentative millage rate and budget was held by the Governing Board of the District at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, on September 26, 2017, as provided in the Notice of Rescheduled Hearing published in accordance with the Department of Revenue, Office of Executive Director, Amended Emergency Order Implementing Provisions of Executive Order Number 17-235 (RE: Hurricane Irma); and

WHEREAS, the Governor's office has reviewed and approved the District's fiscal year 2018 budget pursuant to Section 373.536(5), Florida Statutes; and

WHEREAS, the notice of hearing to adopt the final millage rate and budget for fiscal year 2018, and the adjacent notice meeting the budget summary requirements of Sections 129.03(3)(b) and 373.536(3)(d), Florida Statutes, were duly published, during the period beginning September 25, 2017 and ending September 28, 2017, pursuant to Section 200.065, Florida Statutes, in newspapers of general circulation in each county within the District; and

WHEREAS, the second public hearing on the final budget was held by the Governing Board of the District at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, on September 30, 2017, commencing at 9:30 a.m., at which the name of the taxing authority, the rolled-back rate, the percentage of increase over the rolled-back rate, and the millage rate to be levied were publicly announced, and the general public was allowed to ask questions and speak prior to the adoption of any measures; and

WHEREAS, the Governing Board of the District, prior to adopting a final budget, has adopted Resolution No. 17-13, Adoption of Final Millage Rate and Certification of Levy to the County Property Appraisers for Fiscal Year 2018, which established the final millage levy for fiscal year 2018 as provided for in Sections 200.065, 373.503 and 373.536, Florida Statutes.

THEREFORE, BE IT RESOLVED, by the Governing Board of the Southwest Florida Water Management District:

- 1. That the attached budget is hereby adopted as the budget of the District for the fiscal year beginning October 1, 2017, and ending September 30, 2018, as the operating and fiscal guide of the District for the upcoming fiscal year.
- 2. That valid commitments for goods and services which remain uncompleted, and Governing Board approved funds not under contract as of September 30, 2017, shall not lapse, but shall be automatically reappropriated and incorporated into the final budget of the District for the fiscal year beginning October 1, 2017, and ending September 30, 2018.
- 3. That the final budget shall be revised as of October 1, 2017, to reflect the outside revenue associated with the encumbrances that have been automatically reappropriated and incorporated into the final budget of the District for the fiscal year beginning October 1, 2017, and ending September 30, 2018.

THEREFORE, BE IT FURTHER RESOLVED, by the Governing Board of the Southwest Florida Water Management District:

4. That the committed fund balance for the Economic Stabilization Fund is reset at \$22,100,000 as of September 30, 2017, equal to two months of the operating expenditures based on the fiscal year 2018 tentative budget consistent with Governing Board Policy 130-9, Fund Balance.

APPROVED AND ADOPTED this thirtieth day of September, 2017, by the Governing Board of the Southwest Florida Water Management District.

SOUTHWEST FLORIDA R MANAGEMENT DISTRICT By: RANDALL GGARD .

Attest:

BRYAN K. BESWICK, SECRETARY

BUDGET SUMMARY

Southwest Florida Water Management District - Fiscal Year 2018

	MILLAGE	GENERAL	SPECIAL	CAPITAL PROJECTS	TOTAL
I. ESTIMATED REVENUES AND BALANCES	PER \$1,000	FUND	FUNDS	FUNDS	BUDGET
CASH BALANCES BROUGHT FORWARD		\$45,095,644		\$6,075,000	\$51,170,644
ESTIMATED REVENUES					
AD VALOREM TAXES	0.3131	\$106,487,179		\$1,629,100	\$108,116,279
OTHER REVENUES Permit and License Fees		1 938 500			1 938 500
Intergovernmental Revenue		9,745,885	\$1,626,170	4,300,000	15,672,055
Interest Earnings		6,200,000			6,200,000
Other		603,028	¢4 000 470	AE 000 400	603,028
TOTAL ESTIMATED REVENUES		\$124,974,592	\$1,626,170	\$5,929,100	\$132,529,862
TOTAL ESTIMATED REVENUES AND BALANCE	S	\$170,070,236	\$1,626,170	\$12,004,100	\$183,700,506
FUND BALANCE ASSIGNED FOR					
ESTIMATED ENCUMBRANCES		170,947,174	2,757,746	962,356	174,667,276
FUND BALANCE/RESERVES					
FOR FUTURE PROJECTS		190,504,741	0	5,773,444	196,278,185
TOTAL ESTIMATED REVENUES AND BALANCE ESTIMATED ENCUMBRANCES, AND FUND	S,				
BALANCE/RESERVES FOR FUTURE PROJECTS	s .	\$531,522,151	\$4,383,916	\$18,739,900	\$554,645,967
II. EXPENDITORES					
WATER RESOURCE PLANNING & MONITORING		\$29,800,612			\$29,800,612
LAND ACQUISITION, RESTORATION & PUBLIC W	ORKS	87,617,663	\$1,626,170	\$11,134,100	100,377,933
	ANDS	20,614,031		870,000	21,484,031
OUTREACH		2.088.827			2.088.827
MANAGEMENT AND ADMINISTRATION		8,151,057			8,151,057
COMMISSIONS FOR TAX COLLECTIONS		3,512,770			3,512,770
TOTAL APPROPRIATED EXPENDITURES		\$170,070,236	\$1,626,170	\$12,004,100	\$183,700,506
ESTIMATED ENCUMBRANCES (Carried forward and appropriated in fiscal year 2018))	170,947,174	2,757,746	962,356	174,667,276
TOTAL ESTIMATED MODIFIED BUDGET		\$341,017,410	\$4,383,916	\$12,966,456	\$358,367,782
FUND BALANCE/RESERVES					
FOR FUTURE PROJECTS (not appropriated)		190,504,741	0	5,773,444	196,278,185
TOTAL APPROPRIATED EXPENDITURES, ESTIMATED ENCUMBRANCES, AND FUND					
BALANCE/RESERVES FOR FUTURE PROJECTS	3 .	\$531,522,151	\$4,383,916	\$18,739,900	\$554,645,967

Southwest Florida Water Management District

THE TENTATIVE, ADOPTED, AND/OR FINAL BUDGETS ARE ON FILE IN THE OFFICE OF THE ABOVE REFERENCED TAXING AUTHORITY AS A PUBLIC RECORD.

WATERMATTERS.ORG · 1-800-423-1476

CERTIFICATE AS TO RESOLUTION NO. 17-14

STATE OF FLORIDA COUNTY OF HILLSBOROUGH

We, the undersigned, hereby certify that we are, <u>CHAIR</u> and <u>SECRETARY</u>, respectively, of the Southwest Florida Water Management District, organized and existing under and by virtue of the Laws of the State of Florida, and having its office and place of business at 2379 Broad Street, Brooksville, Hernando County, Florida, and that, on the thirtieth day of September, 2017, at a duly called and properly held hearing of the Governing Board of the Southwest Florida Water Management District, at the Tampa Office, 7601 US Highway 301 North, Tampa, Hillsborough County, Florida, at which hearing a majority of the members of the Governing Board were present in person or via communications media technology, the resolution, which is attached hereto and which this certificate is a part thereof, was adopted and incorporated in the minutes of that hearing.

Dated at Tampa, Florida, this thirtieth day of September, 2017.

SOUTHWEST FLORIDA MANAGEMENT DISTRICT By:

Attest:

BRYAN K. BESWICK, SECRETARY

ACKNOWLEDGMENT

STATE OF FLORIDA COUNTY OF HILLSBOROUGH

The foregoing instrument was acknowledged before me this thirtieth day of September, 2017, by RANDAU S. MAGGARD, and BRYAN K. BESWICK

<u>CHAIR</u> and <u>SECRETARY</u>, respectively, of the Governing Board of the Southwest Florida Water Management District, a public corporation, on behalf of the corporation. They are personally known to me.

WITNESS my hand and official seal on this thirtieth day of September, 2017.

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Notary Public State of Florida at Large My Commission Expires:



Southwest Florida Water Management District Operating Expenses September 30, 2017

				Percent	
	Adopted	Adopted	Change From	Change From	Cumulative
Category	FY2017	FY2018	FY2017	FY2017	Percent
Property Tax Commissions	\$3,487,770	\$3,487,770	\$0	0%	22.27%
Software, Software Maintenance & Cloud Services	2,443,146	2,963,010	519,864	21%	41.20%
Parts and Supplies	1,110,962	1,075,584	(35,378)	-3%	48.07%
Fuels and Lubricants	900,000	812,500	(87,500)	-10%	53.26%
Utilities	851,480	808,050	(43,430)	-5%	58.42%
Insurance and Bonds	855,200	800,200	(55,000)	-6%	63.53%
Maintenance/Repair of Buildings & Structures	467,790	791,000	323,210	69%	68.58%
Telephone and Data Communications	740,768	732,176	(8,592)	-1%	73.25%
Non-Capital Equipment	340,582	704,135	363,553	107%	77.75%
Travel - Staff Duties & Training	570,646	632,524	61,878	11%	81.79%
Maintenance/Repair of Equipment	487,097	469,458	(17,639)	-4%	84.79%
Printing and Reproduction	278,231	298,578	20,347	7%	86.70%
Lease of Outside Equipment	105,000	229,349	124,349	118%	88.16%
District Land Maintenance Materials	145,500	155,740	10,240	7%	89.16%
Janitorial Services	160,000	150,000	(10,000)	-6%	90.11%
Payments in Lieu of Taxes	134,000	136,000	2,000	1%	90.98%
Chemical Supplies (Invasive Plant Control)	142,553	133,903	(8,650)	-6%	91.84%
Advertising and Public Notices	164,375	124,950	(39,425)	-24%	92.63%
Rental of Other Equipment	122,981	119,101	(3,880)	-3%	93.40%
Postage and Courier Services	160,467	104,697	(55,770)	-35%	94.06%
Safety Supplies	68,532	86,968	18,436	27%	94.62%
Tires and Tubes	75,000	80,000	5,000	7%	95.13%
Fees Associated with Financial Activities	48,500	72,821	24,321	50%	95.60%
Office Supplies	79,248	72,094	(7,154)	-9%	96.06%
Tuition Reimbursement	70,000	70,000	-	0%	96.50%
Memberships and Dues	61,323	68,437	7,114	12%	96.94%
Laboratory Supplies	65,000	68,000	3,000	5%	97.37%
Books, Subscriptions and Data	74,107	67,247	(6,860)	-9%	97.80%
Uniform Program	50,000	50,000	-	0%	98.12%
Lease of Tower Space	41,450	42,780	1,330	3%	98.40%
Education Support	41,170	41,170	-	0%	98.66%
Lease of Buildings	32,274	32,574	300	1%	98.87%
Recording and Court Costs	32,882	30,500	(2,382)	-7%	99.06%
Moving Expenses	13,000	25,000	12,000	92%	99.22%
Employee Awards and Activities	13,800	22,478	8,678	63%	99.37%
Remaining Categories	95,380	99,380	4,000	4%	100.00%
Total	\$14,530,214	\$15,658,174	\$1,127,960	8%	



Southwest Florida Water Management District Contracted Services for Operational Support & Maintenance September 30, 2017

				Percent	
Category	Adopted FY2017	Adopted FY2018	Change From FY2017	Change From FY2017	Cumulative Percent
Data Collection, Analysis & Monitoring	\$2,346,130	\$2,459,151	\$113,021	5%	29.70%
Land Management & Use	1,777,973	1,433,352	(344,621)	-19%	47.01%
Minimum Flows and Minimum Water Levels	915,160	934,350	19,190	2%	58.29%
Works of the District (i.e., structures, canals, levees, culverts)	1,028,300	575,800	(452,500)	-44%	65.25%
Regulation Permitting Support	497,375	532,875	35,500	7%	71.68%
Technology & Information Services	727,000	495,667	(231,333)	-32%	77.67%
Outside Legal Services	250,000	250,000	-	0%	80.69%
Facility Operations & Maintenance	223,000	223,000	-	0%	83.38%
Financial Investment Advisory Services	201,800	154,500	(47,300)	-23%	85.25%
Other Water Resources Planning	150,000	150,000	-	0%	87.06%
Water Supply Planning	325,750	148,050	(177,700)	-55%	88.84%
Independent Annual Financial Audit	125,500	125,500	-	0%	90.36%
GIS Model Maintenance	125,000	125,000	-	0%	91.87%
Districtwide Training Programs	66,000	110,500	44,500	67%	93.20%
Emergency Management	48,000	73,000	25,000	52%	94.09%
Invasive Plant Control	40,000	70,000	30,000	75%	94.93%
Wellness/Safety Programs	108,097	69,728	(38,369)	-35%	95.77%
Education Program Evaluation and Research	60,000	60,000	-	0%	96.50%
Metrics Development for Evaluation of CFI Projects	-	55,000	55,000	N/A	97.16%
Facility Renovations	411,000	50,000	(361,000)	-88%	97.77%
Outside Expert Audit Assistance	40,000	50,000	10,000	25%	98.37%
Lobbying/Legislative Support	26,000	26,000	-	0%	98.68%
Drug Testing/Background Checks	12,500	25,000	12,500	100%	98.99%
Financial Services	16,000	22,500	6,500	41%	99.26%
Recruitment Events	-	16,500	16,500	N/A	99.46%
Land Acquisition Support	26,000	16,000	(10,000)	-38%	99.65%
Strategic Outreach	30,000	15,000	(15,000)	-50%	99.83%
Fleet Management System Technical Support	6,600	6,600	-	0%	99.91%
Educational Events	5,000	5,000	-	0%	99.97%
Diversity Outreach (Procurement)	2,000	2,000	-	0%	100.00%
Security Services for Preliminary WMPlan Meetings	-	400	400	N/A	100.00%
Total	\$9,590,185	\$8,280,473	(\$1,309,712)	-14%	



Southwest Florida Water Management District Operating Capital Outlay September 30, 2017

	Adopted	Adopted	Change From	Percent Change From		
Category	FY2017	FY2018	FY2017	FY2017		
Venicle Replacements including Up-fittings (11 in FY2017; 17 in FY2018)	\$480,284	\$646,000	\$165,716	35%		
Information Technology Equipment (1)	455,270	278,633	(176,637)	-39%		
Inside Equipment excluding Information Technology ⁽²⁾	-	37,500	37,500	N/A		
Outside Equipment	25,000	69,950	44,950	180%		
Capital Leases (4)	169,690	209,496	39,806	23%		
Field Equipment Replacement Fund	578,188	511,544	(66,644)	-12%		
Network Storage Replacement Fund	240,000	240,000	-	0%		
Total	\$1,948,432	\$1,993,123	\$44,691	2%		
FY2018 Line Item Detail				Adopted FY2018		
(1) Information Technology Equipment				¢100.015		
Computer & Computer-Related Equipment to Support District Staff						
Enterprise Servers						
Production Scanner - 5 Replacements to support Districtivide Electronic File Storage						
Production Scanner - 1 Replacement to support Regulation Electronic File Storage						
Large Format Scanner - 1 Replacement to support ePermitting Electronic File Storage						
(2) Inside Equipment excluding information Technology						
Automated Tissue Grinder for Uniorophyli Sample Preparation - 1 New to support Chemistry Lab						
Autosampler for inductively Coupled Plasma (ICP) Analyzer - 1 Replacement to support Chemistry Lab						
(2) Outside Environment						
(3) Outside Equipment Date Legging Equipment at Cround Water Manitoring Sites - Deplegement to support Lludrelegic Date						
Data Logging Equipment at Ground Water Monitoring Sites - Replacement to support Hydrologic Data						
Litility Task Vehicle - 1 Replacement to support Prescribed Fire Program (100% Reint), by EL Forestry Services)						
Dumity rask vehicle - r Replacement to support Prescribed File Program (100% Reimb, by FL FOREStry Services)						
Wall Compro 2 New to support Wall Construction Inspections						
Spray Dump/Meter 1 Deplecement to support Vegetation Management						
Dissolved Oxygon Motor 1 Replacement to support Vegetation Management						
Concreter 1 Replacement to support Water Quality Manitoring Program						
(4) Capital Leases (appual equipment costs only: non-equipment costs are reported as Operating Expenses)						
Experter Treater Five Year Lease beginning EV2019: 1 Unit to support Dreagribed Fire Dreager and Field Operations						
This unit will replace an existing District-owned forestry tractor.						
Print Shop Equipment Five-Year Lease beginning FY2015: 2 Printers, 2 Folder/Finishers, Hole Puncher and Scanner. Non-equipment costs of \$84,957 for this lease has been reclassified to <i>Operating Expenses</i> .						
Multi-Functional Device Printer Five-Year Lease beginning FY2016: 51 units to support basic printing, faxing and desktop scanning functions Districtwide. This item is a reclassification from <i>Operating Expenses</i> .						


			FY2018	Total
Dens		Project Name	Adopted	Future
Page #	F Project		Budget	Funding
Water	Body Prot	ection & Restoration Planning		
50	W020	Tampa Bay Protection & Restoration Planning	\$40,000	Annual Request
51	W420	Rainbow River Protection & Restoration Planning	50,000	Annual Request
52	W451	Crystal River/Kings Bay Protection & Restoration Planning	50,000	Annual Request
53	W726	Lake Tarpon Protection & Restoration Planning	100,000	Annual Request
54	WC01	Chassahowitzka Springs Protection & Restoration Planning	50,000	Annual Request
55	WH01	Homosassa Springs Protection & Restoration Planning	50,000	Annual Request
56	WW01	Weeki Wachee Springs Protection & Restoration Planning	50,000	Annual
		Total Water Body Protection & Restoration Planning:	\$390,000	\$0
Data –	Water Qua	ality		
57	P202	Homosassa River and Springs System Water Quality Assessment and Model Refinement	\$190,000	\$0
58	P203	Chassahowitzka River and Springs System Water Quality Assessment and Model Refinement	240,000	-
59	P296	Upper and Middle Withlacoochee River Water Quality and Hydrology	515,000	-
		Total Data – Water Quality:	\$945,000	\$0
Data –	Geologic	& Biologic		
60	C005	Aquifer Exploration and Monitor Well Drilling Program - Regional Observation and Monitor-well Program (ROMP)	\$47,750	Annual Request
61	C007	Aquifer Exploration and Monitor Well Drilling Program - Central Florida Water Initiative (CFWI)	186,544	Annual Request
62	P088	CFWI Data, Monitoring and Investigations Team (DMIT) Technical Support	30,000	30,000
63	W354	Semi-Autonomous Seagrass Mapping Pilot Project	75,000	-
64	WS01	Springs Submerged Aquatic Vegetation (SAV) Mapping and Evaluation	250,000	-
		Total Data – Geologic & Biologic:	\$589,294	\$30,000
Data –	Mapping &	& Survey Control		
65	B219	Land Use/Cover Mapping - Aerial Orthophoto Maps	\$159,000	Annual Request
		Total Data – Mapping & Survey Control:	\$159,000	\$0
Data –	Studies &	Assessments		
66	P297	Lower Withlacoochee River Data Collection and Hydrodynamic Model Development	\$400,000	\$0
67	P629	Ridge Lakes Recovery Options/CFWI	300,000	-
		Total Data – Studies & Assessments:	\$700,000	\$0

			FY2018 Adopted	Total Future
Page #	Project	Project Name	Budget	Funding
Institute	of Food	and Agricultural Sciences (IFAS) Research		
68	B136	Florida Auto Weather Network (FAWN) Data and Education	\$100,000	Annual Request
69	B403	Evaluation of Nitrogen Leaching from Reclaimed Water Applied to Lawns, Spray Fields, and Rapid Infiltration Basins (RIBs)	80,000	-
70	B404	New Practical Method for Managing Irrigation in Containers	47,000	-
71	B405	Eliminating Sprinkler Irrigation Use in Strawberry Transplant Establishment	31,000	-
72	B406	Using Fertigation with Center Pivot Irrigation to Save Water for Commercial Potato and Snap Bean	110,500	76,500
73	B407	Reduction of Water Use for Citrus Cold Protection	7,750	7,750
74	B412	Composting at Animal Stock Facilities	50,000	50,000
75	B413	Effects of Increased Citrus Tree Density on Supplemental Irrigation Requirements	70,000	140,000
76	P446	Evaluation of Water Use & Water Quality Effects of Amending Soils & Lawns with Compost Material	30,000	30,000
		Total Institute of Food and Agricultural Sciences (IFAS) Research:	\$526,250	\$304,250
Land Ac	cquisition	1		
77	SZ00	Surplus Lands Assessment Program	\$70,000	Annual Request
		Total Land Acquisition:	\$70,000	\$0
Aquifer	Storage	& Recovery Feasibility and Pilot Testing		
78	P280	Hydrogeological Investigation of Lower Floridan Aquifer (LFA) in Polk County	\$1,000,000	\$2,000,000
		Total Aquifer Storage & Recovery Feasibility and Pilot Testing:	\$1,000,000	\$2,000,000
Facilitat	ting Agric	cultural Resource Management Systems (FARMS)		
79	H017	Facilitating Agricultural Resource Management Systems (FARMS) Program	\$2,560	Annual Request
80	H579	FARMS IFAS Best Management Practices (BMPs) Implementation Team	50,000	Annual Request
81	P429	FARMS Meter Accuracy Support	25,000	Annual Request
		Total Facilitating Agricultural Resource Management Systems (FARMS):	\$77,560	\$0
Minimu	m Flows	& Minimum Water Levels Recovery		
82	H089	Most Impacted Area (MIA) Recharge Salt Water Intrusion Minimum Aquifer Level (SWIMAL) Recovery at Flatford Swamp	\$2,000,000	\$25,884,422
83	H404	Lower Hillsborough River Recovery Strategy (LHRRS) Morris Bridge Sink Environmental Monitoring	185,000	-
		Total Minimum Flows & Minimum Water Levels Recovery:	\$2,185,000	\$25,884,422
Well Plu	ugging			
84	B099	Quality of Water Improvement Program (QWIP) for Plugging of Abandoned Wells	\$25,000	Annual Reguest
		Total Well Plugging:	\$25,000	\$0

			FY2018 Adopted	Total Future
Page #	Project	Project Name	Budget	Funding
Stormy	vater Impr	ovements – Water Quality		
85	H014	Lake Hancock Outfall Treatment System - Aerial Imagery	\$12,000	Annual Request
86	W471	Three Sisters Springs Wetland Treatment	10,000	-
		Total Stormwater Improvements – Water Quality:	\$22,000	\$0
Stormy	vater Impr	ovements – Implementation of Storage & Conveyance BMPs		
87	P230	Tsala Apopka Orange State Canal Conveyance Improvement	\$120,000	\$0
88	P231	Tsala Apopka Golf Course Structure Modification	120,000	-
	Tota	I Stormwater Improvements – Implementation of Storage & Conveyance BMPs:	\$240,000	\$0
Restora	ation Initia	<u>atives</u>		
89	H407	Lower Hillsborough River Recovery Strategy (LHRRS) BMP Implementation	\$50,000	\$0
90	P702	Homosassa Habitat Enhancement	65,000	-
91	P707	Springs Aquatic Vegetation Restoration	180,000	-
92	W312	Tampa Bay Habitat Restoration	40,000	Annual Request
93	W352	Frog Creek Wetland Restoration at Terra Ceia	150,000	1,750,000
94	W353	Mobbly Bayou Habitat Restoration	1,100,000	-
95	W368	Kracker Avenue Restoration	995,000	-
96	W431	Three Sisters Springs Canal Shoreline Stabilization Feasibility Study	100,000	-
97	W447	Three Sisters Springs Bank Stabilization	50,000	-
98	WS02	Living Shoreline Oyster Habitat Feasibility Study	75,000	-
99	WW04	Weeki Wachee River Channel Restoration	400,000	5,600,000
		Total Restoration Initiatives:	\$3,205,000	\$7,350,000
Florida	Departme	ent of Transportation (FDOT) Mitigation		
100	D036	Hidden Harbour	\$25,000	\$0
101	D040	FDOT Mitigation Maintenance and Monitoring	1,300,000	Annual Request
102	D061	Coquina Seagrass Mitigation	125,000	-
103	D999	Program Development, Planning & Support	52,000	Annual Request
		Total Florida Department of Transportation (FDOT) Mitigation:	\$1,502,000	\$0

			FY2018 Adopted	Total Future
Page #	Project	Project Name	Budget	Funding
Land M	anageme	nt & Use		
104	SA89	Rainbow Springs Ground Cover Restoration	\$120,000	\$0
105	SB06	Flying Eagle Nature Center	150,000	-
106	SC33	Halpata Herbicide Hardwood Reduction	24,000	-
107	SD33	Halpata Ground Cover Restoration	114,000	-
108	SF08	Green Swamp West Sandhill Restoration	27,000	-
109	SJ09	Serenova Divide Hydrologic Restoration	75,000	250,000
		Total Land Management & Use:	\$510,000	\$250,000
Structu	re Operat	tions & Maintenance		
110	B67H	Structure Gate System Upgrade Program	\$100,000	Annual Reguest
111	B870	Flood Control Structure Evaluation and Replacement Plan	30,000	-
112	B872	Structure S-159 Major Repairs	70,000	-
113	B873	Structure Electrical System Upgrades	150,000	Annual Request
		Total Structure Operations & Maintenance:	\$350,000	\$0
Works of	of the Dis	trict		
114	B833	Tampa Bypass Canal Culvert Replacement	\$200,000	\$0
115	B835	Bathymetric Survey of Tampa Bypass Canal (S-159 to S-162)	150,000	-
116	B836	Saddle Creek Tree Removal and Installation of Tussock Barrier	100,000	-
		Total Works of the District:	\$450,000	\$0
Water L	Jse Permi	itting		
117	P243	Districtwide Regulation Models Steady-State & Transient Calibrations	\$135,000	\$135,000
118	P443	Dover & Plant City Automatic Meter Reading	46,248	-
		Total Water Use Permitting:	\$181,248	\$135,000
Educati	on			
119	B277	Florida Water Star Certification and Builder Education	\$7,302	Annual Request
120	P259	Youth Water Resources Education Program	18,525	Annual Request

Page #	Project	Project Name	FY2018 Adopted Budget	Total Future Funding
121	P268	Public Water Resources Education Program	2,500	Annual Request
122	W466	Springs Protection Outreach	60,000	Annual Request
		Total Education:	\$88,327	\$0
		Total Contracted Services for District Projects:	\$13,215,679	\$35,953,672



					FY2018 A	dopted Ad Va	lorem Budget I	by Region	FY20	Total		
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Cooper	ative Fu	nding Projects Re	commended for Funding by Regional Subcommittees									
123	N554	Highlands Co	Study - Lake Jackson Watershed Hydrology Investigation	1A	\$53,882	\$0	\$0	\$0	\$53,882	\$0	\$53,882	\$45,000
124	N772	Polk Co Utilities	Reclaimed Water - Polk County NERUSA Loughman and Ridgewood Reclaimed Water Transmission	1A	1,002,000	-	-	-	1,002,000	-	1,002,000	-
125	N813	Haines City	WMP - Haines City Watershed Management Plan Update	1A	120,000	-	-	-	120,000	120,000	240,000	-
126	N831	Haines City	SW IMP - Water Quality - Haines City Stormwater Improvements	1A	50,000	-	-	-	50,000	-	50,000	-
127	W774	Winter Haven	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs	1A	60,000	-	-	-	60,000	-	60,000	-
128	N779	Marion Co	Marion County Utilities Toilet Rebate Program - Phase 4	1A	-	16,000	-	-	16,000	-	16,000	-
129	N435	Bradenton	ASR - City of Bradenton Surface Water ASR - 2	1A	-	-	142,447	-	142,447	-	142,447	-
130	N556	Charlotte Co Util	Reclaimed Water - Charlotte County Reclaimed Water Expansion - Phase 3	1A	-	-	311,250	-	311,250	-	311,250	-
131	N759	Manatee Co	WMP - Pearce Drain/Gap Creek Watershed Management Plan	1A	-	-	168,000	-	168,000	168,000	336,000	-
132	N780	Punta Gorda	Brackish - Punta Gorda Reverse Osmosis (RO) Facility	1A	-	-	6,575,000	-	6,575,000	-	6,575,000	6,575,000
133	N809	Manatee Co	WMP - Bowlees Creek Watershed Management Plan	1A	-	-	108,000	-	108,000	108,000	216,000	-
134	W218	Anna Maria	SW IMP - Water Quality - Anna Maria BMPs North Shore	1A	-	-	196,000	-	196,000	-	196,000	155,000
135	W630	Bradenton Bch	SW IMP - Water Quality - Bradenton Beach BMPs 23rd St. N to 25th St. N	1A	-	-	65,000	-	65,000	-	65,000	-
136	W638	Holmes Bch	SW IMP - Water Quality - Holmes Beach BMPs Basins 1, 2, 6, 7 and 10	1A	-	-	276,216	-	276,216	-	276,216	276,216
137	N588	Hillsborough Co	WMP - Alafia River Watershed Management Plan Update	1A	-	-	-	150,000	150,000	-	150,000	-
138	N645	Tampa	SW IMP - Flood Protection - 43rd Street Outfall Stormwater Improvements	1A	-	-	-	400,000	400,000	-	400,000	-
139	N665	Clearwater	Purified Reclaimed Water - Clearwater Groundwater Replenishment Phase 3	1A	-	-	-	8,000,000	8,000,000	-	8,000,000	4,672,400

					FY2018 A	dopted Ad Valorem Budget by Region FY2018 Adopted Budget		udget	Total			
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Cooper	ative Fu	nding Projects Rec	commended for Funding by Regional Subcommittees									
140	N700	Hillsborough Co	WMP - Hillsborough River/Tampa Bypass Canal WMP Update	1A	-	-	-	150,000	150,000	-	150,000	-
141	N712	St Petersburg Bch	SW IMP - Water Quality - South Pass-A-Grille Way Water Quality & Flood Improvements	1A	-	-	-	1,100,500	1,100,500	-	1,100,500	-
142	N713	Hillsborough Co	WMP - Pemberton Baker Watershed Management Plan Update	1A	-	-	-	100,000	100,000	-	100,000	-
143	N730	St Petersburg	SW IMP - Flood Protection - 8th Avenue S & 44th Street S Drainage Improvements	1A	-	-	-	1,212,500	1,212,500	-	1,212,500	-
144	N743	Pasco Co	Reclaimed Water - Pasco County Starkey Ranch Reclaimed Water Transmission Phase B	1A	-	-	-	354,000	354,000	-	354,000	-
145	N755	Hillsborough Co	Study - Hillsborough/Tampa/Plant City/Temple Terrace Reclaimed Water Recharge Site Modeling Study Phase 3	1A	-	-	-	200,000	200,000	-	200,000	-
146	N770	Tarpon Springs	SW IMP - Flood Protection - Pent Street/Grosse Avenue Flooding Abatement	1A	-	-	-	388,410	388,410	-	388,410	-
147	N782	Tarpon Springs	SW IMP - Flood Protection - Highland/Jasmine Avenue Flooding Abatement	1A	-	-	-	54,800	54,800	-	54,800	-
148	N791	Pasco Co	Reclaimed Water - Pasco Starkey Ranch Reclaimed Water Transmission - Phase C	1A	-	-	-	11,266	11,266	-	11,266	108,873
149	N792	Pasco Co	Reclaimed Water - Pasco County River Edge Golf Course and Waters Edge Residential Reclaimed Water	1A	-	-	-	1,050,000	1,050,000	-	1,050,000	-
150	N803	Pinellas Co	WMP - Anclote River Watershed Management Plan	1A	-	-	-	150,000	150,000	-	150,000	100,000
151	N804	Hillsborough Co	Reclaimed Water - Hillsborough County Reclaimed Water Sun City Golf Course Expansion	1A	-	-	-	1,125,000	1,125,000	-	1,125,000	-
152	N817	Hillsborough Co	Reclaimed Water - Hillsborough County Reclaimed Water Major User Connections	1A	-	-	-	250,000	250,000	-	250,000	-
153	N828	Pinellas Co	SW IMP - Water Quality - McKay Creek Water Quality Improvements near Hickory Lane	1A	-	-	-	100,000	100,000	-	100,000	-
154	W216	Madeira Bch	SW IMP - Water Quality - 137th Ave. Circle BMPs	1A	-	-	-	260,000	260,000	-	260,000	-
			Total Projects Ranked 1A		\$1,285,882	\$16,000	\$7,841,913	\$15,056,476	\$24,200,271	\$396,000	\$24,596,271	\$11,932,489
155	N846	Polk Co	Conservation - Polk County Landscape and Irrigation Evaluation	Н	\$42,500	\$0	\$0	\$0	\$42,500	\$0	\$42,500	\$0

					FY2018 A	dopted Ad Va	lorem Budget	by Region	FY20	Total		
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Cooper	ative Fu	nding Projects Re	commended for Funding by Regional Subcommittees									
156	N856	Highlands Co	WMP - Jack Creek Watershed Management Plan	Н	150,000	-	-	-	150,000	50,000	200,000	300,000
157	N862	Polk Co Utilities	Reclaimed Water - Polk County NERUSA CR 547 Reclaimed Water Transmission	Н	50,000	-	-		50,000	-	50,000	384,750
158	N868	Polk Co Utilities	Reclaimed Water - Polk County NERUSA Ernie Caldwell Blvd Reclaimed Water Transmission	Н	1,056,500	-	-	-	1,056,500	-	1,056,500	-
159	N880	Ft Meade	WMP - Fort Meade Watershed Management Plan	Н	60,000	-	-	-	60,000	-	60,000	60,000
160	N888	Haines City	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility	Н	112,500	-	-	-	112,500	-	112,500	112,500
161	N899	Polk Co Utilities	Study - Polk County Reclaimed Water Recharge Study in Dover/Plant City WUCA & Northwest Polk Areas	Н	250,000	-	-	-	250,000	-	250,000	250,000
162	N917	Frostproof	WMP - Frostproof Watershed Management Plan	Н	45,000	-	-	-	45,000	-	45,000	45,000
163	N918	Polk Co Utilities	Reclaimed Water - Polk County NERUSA FDC Grove Road Reclaimed Water Transmission	Н	848,000	-	-	-	848,000	-	848,000	-
164	N930	Avon Park	SW IMP - Water Quality - Lake Verona Stormwater Improvement	Н	75,000	-	-	-	75,000	-	75,000	241,841
165	N931	Polk Co Natural Resources	SW IMP - Water Quality - Lake Gwyn East Surface Water Restoration	Н	1,000,000	-	-	-	1,000,000	-	1,000,000	-
166	N933	Polk Co Natural Resources	Restoration - Crooked Lake West Wetland	Н	100,000	-	-	-	100,000	-	100,000	300,000
167	N936	Haines City	SW IMP - Water Quality - Lake Eva Alum Stormwater Treatment System	Н	300,000	-	-	-	300,000	-	300,000	-
168	N939	Highlands Co	Study - Lake June-in-Winter Watershed Protection	Н	140,250	-	-	-	140,250	46,750	187,000	-
169	N848	Marion Co	SW IMP - Water Quality - Rainbow Springs Innovative Stormwater Retrofit - CP 71	Н	-	276,500	-	-	276,500	-	276,500	-
170	N860	Citrus Co	Conservation - Citrus County Water Sense® Labeled Irrigation Controller	Н	-	16,875	-	-	16,875	-	16,875	-
171	N873	Citrus Co	WMP - Chassahowitzka River Watershed Management Plan	Н	-	100,000	-	-	100,000	100,000	200,000	362,500
172	N891	Citrus Co	WMP - North Citrus Withlacoochee River Watershed Management Plan	Н	-	150,000	-	-	150,000	150,000	300,000	262,500

					FY2018 A	dopted Ad Va	lorem Budget	by Region	FY2018 Adopted Budget			Total
				-	Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Cooper	ative Fu	nding Projects Rec	commended for Funding by Regional Subcommittees									
173	N907	Citrus Co	WMP - Homosassa River WMP Alternative Analysis	Н	-	87,500	-	-	87,500	87,500	175,000	-
174	N919	Sumter Co BOCC	WMP - Little Jones Creek Watershed Management Plan	Н	-	160,000	-	-	160,000	160,000	320,000	320,000
175	NQ21	Bay Laurel CCDD	Conservation - Bay Laurel 2018 Irrigation Controller / FT	н		43 760			43 760		43 760	
110	11021	Day Laurer CODD	Sensor Upgrade			40,700			40,700		40,700	
176	N922	Bay Laurel CCDD	Conservation - Bay Laurel Florida Water Star Rebate Pilot Project	Н	-	26,250	-	-	26,250	-	26,250	-
177	N711	Braden Rvr Util	Reclaimed Water - Braden River Utilities Reclaimed Water Transmission Line	Н	-	-	150,000	-	150,000	-	150,000	-
178	N786	Sarasota Co	Dona Bay Surface Water Storage Facility	Н	-	-	1,175,000	-	1,175,000	25,000	1,200,000	2,800,000
179	N823	PRMRWSA	AWS Interconnect - PRMRWSA Regional Integrated Loop System - Phase 3B	Н	-	-	470,000	-	470,000	-	470,000	10,668,500
180	N833	North Port	ASR - City of North Port ASR - Permanent Facilities	Н	-	-	230,000	-	230,000	-	230,000	-
181	N840	Venice	Conservation - Venice Advanced Metering Analytics	Н	-	-	11,000	-	11,000	-	11,000	-
182	N842	Bradenton	Restoration - City of Bradenton Aquifer Protection Recharge Well	Н	-	-	500,000	-	500,000	-	500,000	-
183	N849	Venice	City of Venice - Toilet Rebate - Phase 6	Н	-	-	22,500	-	22,500	-	22,500	-
184	N854	PRMRWSA	ASR - PRMRWSA Partially Treated Water ASR	Н	-	-	120,500	-	120,500	-	120,500	-
185	N858	Arcadia	WMP - City of Arcadia Watershed Management Plan	Н	-	-	120,000	-	120,000	-	120,000	105,000
186	N877	Manatee Co	Manatee County - Toilet Rebate - Phase 11	Н	-	-	113,250	-	113,250	-	113,250	-
187	N881	Arcadia	Reclaimed Water - Arcadia Golf Course Reclaimed Water Storage Reservoir	Н	-	-	225,000	-	225,000	-	225,000	-
188	N889	Manatee Co	Study - Mill Creek Water Quality Plan	Н	-	-	31,500	-	31,500	31,500	63,000	-
189	N912	Braden Rvr Util	ASR - Braden River Utilities ASR Feasibility	Н	-	-	1,945,625	-	1,945,625	-	1,945,625	1,051,875

					FY2018 A	Adopted Ad Va	lorem Budget	et by Region FY2018 Adopted Budget			ıdget	Total
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Cooper	ative Fu	nding Projects Re	commended for Funding by Regional Subcommittees									
190	N920	W Villages Imprv Dist	Reclaimed Water - West Villages to Sarasota County South Reclaimed Water Transmission	н	-	-	356,000	-	356,000	-	356,000	-
191	N528	Tampa	SW IMP - Flood Protection - Upper Peninsula Stormwater Improvements Vasconia Box Culvert	Н	-	-	-	2,093,856	2,093,856	-	2,093,856	-
192	N635	Pasco Co	Restoration - Pasco County Crews Lake Natural Systems Construction Phase	Н	-	-	-	1,758,557	1,758,557	4,248,885	6,007,442	-
193	N734	Pinellas Co	WMP - Curlew Creek and Smith Bayou Watershed Management Plan	Н	-	-	-	90,000	90,000	-	90,000	-
194	N748	Tampa	SW IMP - Flood Protection - Dale Mabry Henderson Trunkline - Upper Peninsula Watershed Drainage Improv.	Н	-	-	-	4,000,000	4,000,000	-	4,000,000	15,000,000
195	N773	Tampa	SW IMP - Flood Protection - Cypress Street Outfall Regional Stormwater Improvements	Н	-	-	-	1,000,000	1,000,000	-	1,000,000	13,500,000
196	N776	Hillsborough Co	Reclaimed Water - Hillsborough County 19th Avenue Reclaimed Water Transmission Main	Н	-	-	-	1,713,671	1,713,671	-	1,713,671	-
197	N836	Pasco Co	SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 1 & 2	Н	-	-	-	150,000	150,000	-	150,000	925,000
198	N837	Pasco Co	Reclaimed Water - Pasco County Cypress Preserve Reclaimed Water Transmission	Н	-	-	-	17,500	17,500	-	17,500	157,500
199	N841	Pasco Co	SW IMP - Flood Protection - Forest Hills West	Н	-	-	-	600,000	600,000	-	600,000	-
200	N844	Hillsborough Co	WMP - Peak/Volume Sensitive	Н	-	-	-	200,000	200,000	-	200,000	-
201	N845	Pasco Co	Conservation - Pasco County Florida Water Star Rebate Pilot Project	Н	-	-	-	35,000	35,000	-	35,000	-
202	N850	Pasco Co	SW IMP - Flood Protection - Sea Pines Neighborhood Flood Abatement	Н	-	-	-	150,000	150,000	-	150,000	-
203	N852	Pasco Co	Pasco County - Toilet Rebate - Phase 11	Н	-	-	-	50,000	50,000	-	50,000	-
204	N855	Hillsborough Co	Restoration - South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1	Н	-	-	-	2,265,000	2,265,000	-	2,265,000	-
205	N859	Pasco Co	SW IMP - Flood Protection - Holiday Hill Drainage Improvement	Н	-	-	-	100,000	100,000	-	100,000	450,000
206	N863	Hillsborough Co	Reclaimed Water - Hillsborough County Summerfield Sports Complex	н	-	-	-	77,500	77,500	-	77,500	-

					FY2018 /	Adopted Ad Va	alorem Budget	by Region	FY2018 Adopted Budget			Total
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Coope	rative Fu	Inding Projects Re	commended for Funding by Regional Subcommittees									
207	N867	Tarpon Springs	SW IMP - Flood Protection - Palm Avenue Flooding Abatement	Н	-	-	-	49,387	49,387	-	49,387	200,592
208	N870	Pasco Co	SW IMP - Flood Protection - Colonial Manor Drainage Improvement	Н	-	-	-	134,000	134,000	-	134,000	1,066,000
209	N875	St Petersburg	Conservation - St. Petersburg Florida Water Star Rebate Pilot Project	Н	-	-	-	24,850	24,850	-	24,850	
210	N876	New Port Richey	City of New Port Richey - Toilet Rebate - Phase 4	Н	-			7,470	7,470	-	7,470	
211	N878	Pasco Co	WMP - Pasco County LiDAR Data Collection	Н	-	-	-	500,000	500,000	500,000	1,000,000	-
212	N883	Hillsborough Co	SW IMP - Flood Protection - Temple Terrace Highway Drainage Improvements	Н	-		-	700,000	700,000	-	700,000	-
213	N890	St Petersburg	Conservation - St. Petersburg Residential Clothes Washer Rebate Pilot Project	Н	-	-	-	12,350	12,350	-	12,350	-
214	N901	Pasco Co	SW IMP - Flood Protection - Port Richey Alternative Outfall	Н	-	-	-	225,000	225,000	-	225,000	-
215	N904	St Petersburg	WMP - City of St. Petersburg Watershed Management Plan	Н	-	-	-	281,250	281,250	-	281,250	618,750
216	N909	St Petersburg	Conservation - St. Petersburg Sensible Sprinkling Program, Phase 8	Н	-		-	50,000	50,000	-	50,000	-
217	N913	Pasco Co	SW IMP - Flood Protection - Ironbark Flood Abatement	Н	-	-	-	75,000	75,000	-	75,000	1,980,000
218	N923	Tarpon Springs	WMP - Tarpon Springs Watershed Evaluation	Н	-			100,000	100,000	-	100,000	-
219	N924	Pinellas Co	WMP - Lake Tarpon Watershed Management Plan	Н	-	-	-	50,000	50,000	-	50,000	150,000
220	N943	Pasco Co	Restoration - Central Pasco Recharge Wetlands Facility Optimization	Н	-	-	-	60,000	60,000	-	60,000	80,000
221	W024	ТВЕР	FY2018 Tampa Bay Environmental Restoration Fund	Н	-	-	-	350,000	350,000	-	350,000	-
222	W210	St Petersburg	SW IMP - Water Quality - St. Petersburg Pier Park	Н	-	-	-	75,000	75,000	-	75,000	-
223	W303	St Petersburg	Restoration - Boyd Hill Nature Preserve	Н	-	-	-	450,000	450,000	450,000	900,000	-

					FY2018 A	dopted Ad Va	lorem Budget	by Region	FY20	FY2018 Adopted Budget		
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page #	Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Coope	rative Fu	nding Projects Re	commended for Funding by Regional Subcommittees									
224	W305	Pinellas Co	SW IMP - Water Quality - Roosevelt Stormwater Retrofit	Н	-	-	-	50,000	50,000	-	50,000	300,510
			Total Projects Ranked High		\$4,229,750	\$860,885	\$5,470,375	\$17,495,391	\$28,056,401	\$5,849,635	\$33,906,036	\$51,692,818
225	N886	Davenport	WMP - City of Davenport Watershed Evaluation and Stormwater Utility Rate Study	М	\$25,000	\$0	\$0	\$0	\$25,000	\$25,000	\$50,000	\$0
226	N898	Haines City	Reclaimed Water - Haines City Reclaimed Water Tank and Pump Stations	М	225,000	-	-	-	225,000	-	225,000	
227	N926	Haines City	Restoration - Lake Eva & Lake Henry Restoration	М	300,000	-	-	-	300,000	-	300,000	
228	N937	Polk Co Natural Resources	Study - Saddle Creek Audubon Tract Restoration	М	50,000	-	-	-	50,000	-	50,000	-
229	N940	Lakeland	SW IMP - Water Quality - Lake Hunter BMP	M	74,125	-	-	-	74,125	-	74,125	392,865
230	N851	Marion Co	SW IMP - Water Quality - CR 40 & 336 Drainage Improvements	М	-	146,500	-	-	146,500	-	146,500	-
231	N838	Bradenton	SW IMP - Flood Protection - City of Bradenton 71st St W Improvements	М	-	-	30,000	-	30,000	-	30,000	30,000
232	N857	Pasco Co	SW IMP - Flood Protection - Riverside Village Drainage Improvement	М	-	-	-	250,000	250,000	-	250,000	-
233	N865	Pasco Co	SW IMP - Flood Protection - Magnolia Valley Storage and Wetland Enhancement	М	-	-	-	300,000	300,000	-	300,000	-
234	N866	Treasure Island	WMP - City of Treasure Island Watershed Management Plan	М	-	-	-	99,350	99,350	-	99,350	-
235	N872	Hillsborough Co	WMP - Silver/Twin Lake Watershed Management Plan Update	М	-	-	-	25,000	25,000	-	25,000	-
236	N887	Hillsborough Co	SW IMP - Water Quality - Delaney Creek Improvements	М	-	-	-	173,063	173,063	-	173,063	-
237	N894	Hillsborough Co	WMP - Hillsborough County Floodplain Redelineation	М	-	-	-	150,000	150,000	-	150,000	-
238	N897	Hillsborough Co	WMP - Duck Pond Watershed Management Plan Update	М	-	-	-	125,000	125,000	-	125,000	-
239	N903	Hillsborough Co	WMP - East Lake Watershed Management Plan Update	М	-	-	-	50,000	50,000	-	50,000	-

					FY2018 Adopted Ad Valorem Budget by Region		FY20	18 Adopted B	udget	Total		
					Heartland	Northern	Southern	Tampa Bay		Outside	Total	Future
Page	# Project	Cooperator	Project Name	Rank	Region	Region	Region	Region	Ad Valorem	Revenue	Budget	Funding
Coope	rative Fu	nding Projects Re	commended for Funding by Regional Subcommittees									
240	N906	New Port Richey	SW IMP - Water Quality - Hemlock Drive Stormwater System Improvements	М	-	-	-	30,000	30,000	-	30,000	-
241	N915	Pinellas Co	SW IMP - Flood Protection - Lower Spring Branch Conveyance Improvements	М	-	-	-	625,000	625,000	-	625,000	1,035,000
242	N941	Pinellas Co	SW IMP - Water Quality - Allens Creek Improvements at Plumb Elementary	М	-	-	-	625,000	625,000	-	625,000	-
243	N944	Pasco Co	Study - Magnolia Valley Slough Restoration	М	-	-	-	87,500	87,500	-	87,500	-
			Total Projects Ranked Medium		\$674,125	\$146,500	\$30,000	\$2,539,913	\$3,390,538	\$25,000	\$3,415,538	\$1,457,865
			Total Cooperative Funding Projects		\$6,189,757	\$1,023,385	\$13,342,288	\$35,091,780	\$55,647,210	\$6,270,635	\$61,917,845	\$65,083,172

				FY2018	Total
Dogo #	Droject	Deviat Nama	Project Cotogory	Adopted	Future
Page #	Project		Project Category	Бийдег	Funding
District	<u>Grants</u>				
244	W027	Tampa Bay Estuary Program (TBEP) Comprehensive Management Plan Development and Implementation	Water Body Protection & Restoration Planning	\$164,003	\$569,013
245	W526	Charlotte Harbor National Estuary Program (CHNEP) Comprehensive Management Plan Development and Implementation	Water Body Protection & Restoration Planning	130,000	Annual Request
246	W612	Sarasota Bay Estuary Program (SBEP) Comprehensive Management Plan Development and Implementation	Water Body Protection & Restoration Planning	133,000	133,000
			Total Water Body Protection & Restoration Planning:	\$427,003	\$702,013
247	H015	Wells with Poor Water Quality in the SWUCA Back-Plugging Program	Facilitating Agricultural Resource Management Systems	\$30,000	Annual Request
248	H017	Facilitating Agricultural Resource Management Systems (FARMS) Program	Facilitating Agricultural Resource Management Systems	6,000,000	Annual Request
249	H529	Mini-FARMS Program	Facilitating Agricultural Resource Management Systems	100,000	Annual Request
			Total Facilitating Agricultural Resource Management Systems (FARMS):	\$6,130,000	\$0
250	H094	Polk Partnership	Water Supply Development Assistance	\$10,000,000	TBD
			Total Water Supply Development Assistance:	\$10,000,000	\$0
251	B099	Quality of Water Improvement Program (QWIP) for Plugging of Abandoned Wells	Well Plugging	\$475,000	Annual Request
			Total Well Plugging:	\$475,000	\$0
252	P443	Dover & Plant City Automatic Meter Reading - Flowmeter Installation	Water Use Permitting	\$250,000	\$0
			Total Water Use Permitting:	\$250,000	\$0

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				FY2018	Total
				Adopted	Future
Page #	Project	Project Name	Project Category	Budget	Funding
District	<u>Grants</u>				
253	P259	Youth Water Resources Education Program	Education	\$530,000	Annual Request
254	P268	Public Water Resources Education Program	Education	5,500	Annual Request
			Total Education:	\$535,500	\$0
		Total District Grants:		\$17,817,503	\$702,013
		Total Cooperative Funding Projects and District Grants:		\$79,735,348	\$65,785,185



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Southwest Florida Water Management District Fixed Capital Outlay September 30, 2017

		FY2018	Total
		Adopted	Future
Page #	Project	Budget	Funding
Land Ac	quisition		
255	Florida Forever Work Plan Land Purchases	\$11,200,000	Annual Reguest
256	Data Collection Site Acquisitions	194,000	Annual Request
	Total Land Acquisition:	\$11,394,000	\$0
District	Facilities		
257	Districtwide Roof and HVAC Replacement, Facility Capital Renovation, and Pavement Projects	\$759,100	Annual Request
	Total District Facilities:	\$759,100	\$0
District	Structures		
258	Thirteen-Mile Run Structure System Replacement	\$250,000	\$880,000
259	Programmable Logic Controller Upgrades on Structures	100,000	100,000
260	Flood Gate Refurbishment Program	600,000	Annual Request
261	Structure Hydraulic Cylinders/Actuator Refurbishment Program	100,000	Annual Request
262	Tampa Bypass Canal Weir Gate Remote Operation	200,000	300,000
263	Manatee Protection Systems at Lake Tarpon and Tampa Bypass Canal	150,000	500,000
264	Lake Bay Water Conservation Structure Replacement	200,000	-
265	Structure S-159 Major Repairs	110,000	-
266	Wysong Water Conservation Structure Refurbishment	70,000	800,000
	Total District Structures:	\$1,780,000	\$2,580,000
Well Co	nstruction		
267	Aquifer Exploration and Monitor Well Drilling Program	\$565,659	Annual Request
	Total Well Construction:	\$565,659	\$0
	Total Fixed Capital Outlay:	\$14,498,759	\$2,580,000
¢os			



Project No: W020	Tampa Bay Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water Body Protection & Restoration Planning					
Region: Tampa Bay						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	Improvement and Management (SWIM) Plan for Tampa Bay. Implementation of projects as obtimed in the Sunace was Improvement and Management (SWIM) Plan for Tampa Bay. Implementation of the SWIM Plan includes coordination with involved stakeholders and governmental agencies such as the Tampa Bay Estuary Program (TBEP), an assessment of implementation progress, and development of new projects (rationa and justification). Previous fiscal year funds budgeted under this project have been used for: 1) estuarin water quality sampling evaluations of Feather Sound and Wolf Branch; 2) Bullfrog Creek water quality monitoring; 3) retention of subject matter experts for assistance in reviewing Old Tampa Bay modeling needs; 4) assistance in development of numeric nutrient criteria for Boca Ciega Bay, Terra Ceia Bay, ar tidal Manatee River; 5) collection of water velocity and water level data for Old Tampa Bay; and 6) contribution towards creation of a 1970s historical seagrass map for Old Tampa Bay. Current and propor funds may be used to develop new efforts, based on needs identified in the Tampa Bay SWIM Plan, Ha Master Plan, and TBEP Comprehensive Conservation and Management Plan to characterize the distrib and quality of marine benthic habitats such as tidal flats, mud flats, hard bottom, and oyster bars.					
Benefit:	 This project's support of the Tampa Bay SWIM Plan creates an opportunity for a cohesive effort between the District, the TBEP, and other state and local agencies to better implement resource management decisions and restoration activities. 					
Cost:	Cost: Total FY2018 request: \$40,000 District: \$40,000					
	-	Evaluation				
Resource Benefit:	Improvement of water que national significance. Q prior to implementation.	ality and natural systems in Ta antifiable resource benefits wi	ampa Bay, a SWIM priority v Il be evaluated for each proj	vater body and estuary of ect utilizing these funds		
Cost Effectiveness:	Cost effectiveness will b funds. Projects that are	e evaluated, prior to implement not cost effective will not be im	ation, for each project propo plemented.	osed to utilize these		
Project Readiness:	The project is ready to b	egin on October 1, 2017.				
		Strategic Goals				
Strategic Initiatives:	- Water Quality and Asse - Water Quality Maintena	ssment Planning nce and Improvement				
Regional Priorities:	- Improve Lake Thonotos	assa, Tampa Bay, Lake Tarpon	and Lake Seminole.			
		Additional Information				
Additional Information:	Additional Information: Tampa Bay is a SWIM program water body that was designated an estuary of national significance by the U.S. Congress in 1990. Since 1950, about 50 percent of the bay's natural shoreline and 40 percent of its seagrass acreage were lost as a result of physical destruction and water quality impairment. This resulted in a decline in the aesthetic, recreational, and commercial value of the bay, as well as a loss of habitat for native plants and animals. The SWIM Plan for Tampa Bay outlines goals to restore habitat and reduce pollutants entering Tampa Bay. The objectives of this project are consistent with these goals.					
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Requ	st \$40,000	Annual Request	\$40,000		
Total	Annual Requ	st \$40,000	Annual Request	\$40,000		

Project No: W420	Rainbow River Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water E	Body Protection & Restora	tion Planning			
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project provides for the Management (SWIM) Plan.	his project provides for the implementation of the Rainbow River Surface Water Improvement and Ianagement (SWIM) Plan.				
Benefit:	Project provides funds for in	mplementation of projects an	nd activities in support of the	e SWIM plan.		
Cost:	Total FY2018 request: \$50, District: \$50,000	Fotal FY2018 request: \$50,000 District: \$50,000				
	Evaluation					
Resource Benefit:	Completion of the project by water quality improvements	Completion of the project by the District will support the monitoring and restoration of natural systems and water quality improvements within the Rainbow River, a SWIM priority water body.				
Cost Effectiveness:	Cost is consistent with past budgeted funds to support the implementation of SWIM plans.					
Project Readiness:	The project is ready to begin on or before December 1, 2017.					
		Strategic Goals				
Strategic Initiatives:	 Conservation Water Quality and Assessr Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat 	nent Planning and Improvement (MFL) Establishment and R ion	ecovery			
Regional Priorities:	- Improve northern coastal s	pring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000		
Total	Annual Request	\$50,000	Annual Request	\$50,000		

Project No: W451	Crystal River/Kings Bay Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water Body Protection & Restoration Planning					
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project provides for the Management (SWIM) Plan.	This project provides for the implementation of the Crystal River/Kings Bay Surface Water Improvement and Management (SWIM) Plan.				
Benefit:	Project provides funds for in	nplementation of projects ar	nd activities in support of the	e SWIM plan.		
Cost:	Total FY2018 request: \$50, District: \$50,000	Total FY2018 request: \$50,000 District: \$50,000				
	Evaluation					
Resource Benefit:	Completion of the project by water quality improvement	Completion of the project by the District will support the monitoring and restoration of natural systems and water quality improvement within Crystal River/Kings Bay, a SWIM priority water body.				
Cost Effectiveness:	Cost is consistent with past budgeted funds to support the implementation of SWIM plans.					
Project Readiness:	The project is ready to begin on or before December 1, 2017.					
		Strategic Goals				
Strategic Initiatives:	 Conservation Water Quality and Assessin Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat 	nent Planning and Improvement s (MFL) Establishment and R ion	ecovery			
Regional Priorities:	- Improve northern coastal s	pring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000		
Total	Annual Request	\$50,000	Annual Request	\$50,000		

Project No: W726	Lake Tarpon Protection & Restoration Planning					
Risk Level: Type 1	Project Category: Water Body Protection & Restoration Planning					
Region: Tampa Bay						
Areas of Responsibility:	Water Supply:	'ater Supply: Water Quality: X Natural Systems: X Flood Protection:				
		Description				
Description:	This project is to upda last update of the Lake preparation of the SW management recomm	his project is to update the Lake Tarpon Surface Water Improvement and Management (SWIM) Plan. The ast update of the Lake Tarpon SWIM Plan was in 2001. The District will hire a consultant to assist with reparation of the SWIM Plan, including assessing current conditions in the watershed and developing nanagement recommendations. This work will be closely coordinated with Pinellas County.				
Benefit:	SWIM plans are require District in meeting state degradation and fish a governments partners watershed of Lake Tate	WIM plans are required by the State for District SWIM priority water bodies. This update will assist the District in meeting state requirements and identifying projects to address Hydrologic Alterations, water quality legradation and fish and wildlife habitat loss. Implementation of the plan by the District and local povernments partners will result in protecting and restoring water quality and natural systems within the vatershed of Lake Tarpon.				
Cost:	Total FY2018 request: \$100,000 District: \$100,000					
	Evaluation					
Resource Benefit:	Implementation of the water quality and natu	plan by the District and local go ral systems within the watershe	vernment partners will result d of Lake Tarpon.	in protecting and restoring		
Cost Effectiveness:	The project is cost effe staff will also be assist of the document prior	ective compared to costs to dev ing the selected consultant with to approval by the Governing Be	elop similar water quality may the update and coordinating pard.	nagement plans. District the required state review		
Project Readiness:	The project is expecte	d to begin on or before Decemb	er 1, 2017.			
		Strategic Goals				
Strategic Initiatives:	 Water Quality Mainter Conservation and Re 	nance and Improvement storation				
Regional Priorities:	- Improve Lake Thonot	osassa, Tampa Bay, Lake Tarpo	n and Lake Seminole.			
		Additional Information				
Additional Information:	The first SWIM Plan for	r Lake Tarpon was developed I	by the District in 1989 and up	dated in 1994 and 2001.		
		Funding				
Funding Source	Funding Source Prior FY2018 Requested Future Total					
Ad Valorem	Annual Red	guest \$100,000	Annual Request	\$100,000		
Total	Annual Red	quest \$100,000	Annual Request	\$100,000		

Project No: WC01	Chassahowitzka Springs Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water E	Body Protection & Restora	tion Planning			
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project provides for the Management (SWIM) Plan.	This project provides for the implementation of the Chassahowitzka River Surface Water Improvement and Management (SWIM) Plan.				
Benefit:	Project provides funds for in	nplementation of projects ar	nd activities in support of the	e SWIM plan.		
Cost:	Total FY2018 request: \$50, District: \$50,000	Fotal FY2018 request: \$50,000 District: \$50,000				
	Evaluation					
Resource Benefit:	Completion of the project by the District will support the monitoring and restoration of natural systems and water quality improvement within the Chassahowitzka River, a SWIM priority water body.					
Cost Effectiveness:	Cost is consistent with past budgeted funds to support the implementation of SWIM plans.					
Project Readiness:	The project is ready to begin on or before December 1, 2017.					
	_	Strategic Goals				
Strategic Initiatives:	 Conservation Water Quality and Assessr Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat 	nent Planning and Improvement (MFL) Establishment and R ion	ecovery			
Regional Priorities:	- Improve northern coastal s	pring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000		
Total	Annual Request	\$50,000	Annual Request	\$50,000		

Project No: WH01	Homosassa Springs Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water E	Body Protection & Restora	tion Planning			
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project provides for the Management (SWIM) Plan.	his project provides for the implementation of the Homosassa River Surface Water Improvement and Anagement (SWIM) Plan.				
Benefit:	Project provides funds for in	nplementation of projects ar	nd activities in support of the	e SWIM plan.		
Cost:	Total FY2018 request: \$50, District: \$50,000	Total FY2018 request: \$50,000 District: \$50,000				
	Evaluation					
Resource Benefit:	Completion of the project by the District will support the monitoring and restoration of natural systems and water quality improvement within Homosassa River, a SWIM priority water body.					
Cost Effectiveness:	Cost is consistent with past budgeted funds to support the implementation of SWIM plans.					
Project Readiness:	The project is ready to begin on or before December 1, 2017.					
	_	Strategic Goals				
Strategic Initiatives:	 Conservation Water Quality and Assessr Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat 	nent Planning and Improvement (MFL) Establishment and R ion	ecovery			
Regional Priorities:	- Improve northern coastal s	pring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000		
Total	Annual Request	\$50,000	Annual Request	\$50,000		

Project No: WW01	Weeki Wachee Springs Protection & Restoration Planning					
Risk Level: Type 4	Project Category: Water E	Body Protection & Restora	tion Planning			
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project provides for the Management (SWIM) Plan.	This project provides for the implementation of the Weeki Wachee River Surface Water Improvement and Management (SWIM) Plan.				
Benefit:	Project provides funds for in	nplementation of projects ar	nd activities in support of the	e SWIM plan.		
Cost:	Total FY2018 request: \$50, District: \$50,000	Total FY2018 request: \$50,000 District: \$50,000				
	Evaluation					
Resource Benefit:	Completion of the project by water quality improvement	Completion of the project by the District will support the monitoring and restoration of natural systems and water quality improvement within Weeki Wachee River, a SWIM priority water body.				
Cost Effectiveness:	Cost is consistent with past budgeted funds to support the implementation of SWIM plans.					
Project Readiness:	The project is ready to begi	n on or before December 1,	2017.			
		Strategic Goals				
Strategic Initiatives:	 Conservation Water Quality and Assessr Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat 	nent Planning and Improvement s (MFL) Establishment and R ion	ecovery			
Regional Priorities:	- Improve northern coastal s	pring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000		
Total	Annual Request	\$50,000	Annual Request	\$50,000		

Project No: P202	Homosassa River and Springs System Water Quality Assessment and Model Refinement					
Risk Level: Type 4	Project Category: Data - Water Quality					
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	This project will use consult minimum flow and level (MF (SWIM) plan implementation	his project will use consultant services to collect additional data and perform analysis in support of the ninimum flow and level (MFL) re-evaluation due 2019 and Surface Water Improvement and Management SWIM) plan implementation.				
Benefit:	The results of this project w evaluate the current MFL, a	The results of this project will be used to better understand the complex characteristics of the system, avaluate the current MFL, and support the quantifiable objectives in the SWIM plan.				
Cost:	Total project cost: \$190,000 District: \$190,000					
	Evaluation					
Resource Benefit:	The resource benefit of this project is the protection of they natural systems within the Homosassa River by completing the MFL evaluation.					
Cost Effectiveness:	The cost of this project is co	ost effective compared with o	other projects of this scope.			
Project Readiness:	Project is ready to begin on	or before October 1, 2017.				
		Strategic Goals				
Strategic Initiatives:	 Minimum Flows and Levels Conservation and Restorat 	(MFL) Establishment and R	ecovery			
Regional Priorities:	- Improve northern coastal s	oring systems.				
		Additional Information				
Additional Information:	There were several recommendation the initial MFL establishmer re-evaluation.	nendations brought up during it. This work will address th	g peer review and the stake ose recommendations and	holder meetings held for assist in the MFL		
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$0	\$190,000	\$0	\$190,000		
Total	\$0	\$190,000	\$0	\$190,000		

Project No: P203	Chassahowitzka River and	d Springs System Water Q	uality Assessment and M	odel Refinement	
Risk Level: Type 4	Project Category: Data - V	Vater Quality			
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:	
		Description			
Description:	This project will use consult minimum flow and level (MF (SWIM) plan implementation	ant services to collect additi ^F L) re-evaluation due 2019 a n.	onal data and perform anal and Surface Water Improve	ysis in support of the ment and Management	
Benefit:	The results of this project w evaluate the current MFL, a	ill be used to better understand and support the quantifiable of	and the complex characteris	stics of the system, n.	
Cost:	Total project cost: \$240,000 District: \$240,000)			
		Evaluation			
Resource Benefit:	The resource benefit of this by completing the MFL eval	The resource benefit of this project is the protection of they natural systems within the Chassahowitzka River by completing the MFL evaluation.			
Cost Effectiveness:	The cost of this project is co	ost effective compared with o	other projects of this scope.		
Project Readiness:	Project is ready to begin on	or before October 1, 2017.			
		Strategic Goals			
Strategic Initiatives:	 Minimum Flows and Levels Conservation and Restorat 	(MFL) Establishment and Re	ecovery		
Regional Priorities:	- Improve northern coastal s	pring systems.			
		Additional Information			
Additional Information:	There were several recommendations brought up during peer review and the stakeholder meetings held for the initial MFL establishment. This work will address those recommendations and assist in the MFL re-evaluation.				
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$0	\$240,000	\$0	\$240,000	
Total	\$0	\$240,000	\$0	\$240,000	

Project No: P296	Upper and Middle Withlacoochee River Water Quality and Hydrology				
Risk Level: Type 4	Project Category: Data - V	Vater Quality			
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	This project will use consult support of the minimum flow	This project will use consultant services to collect additional data and perform analysis and modeling in support of the minimum flow and level (MFL) establishment due 2020.			
Benefit:	The results of this project w evaluate the current MFL.	ill be used to better understa	and the complex characteris	stics of the system and	
Cost:	Total project cost: \$515,000 District: \$515,000				
		Evaluation			
Resource Benefit:	The resource benefit of this project is the protection of the natural systems within the Upper Withlacoochee River by completing the MFL evaluation.				
Cost Effectiveness:	The cost of this project is cost effective compared with other projects of this scope.				
Project Readiness:	Project is ready to begin on	or before October 1, 2017.			
		Strategic Goals			
Strategic Initiatives:	- Minimum Flows and Levels	(MFL) Establishment and R	ecovery		
Regional Priorities:	- Implement Minimum Flow a	and Level (MFL) Recovery St	rategies.		
		Additional Information			
Additional Information:					
Funding					
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$0	\$515,000	\$0	\$515,000	
Total	\$0	\$515,000	\$0	\$515,000	

Project No: C005	Aquifer Exploration and N	Ionitor Well Drilling Progra	am - ROMP		
Risk Level: Type 1	Project Category: Data - G	Beologic			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems:	Flood Protection:	
		Description			
Description:	The request is to continue c District. These services inclu- perform lithologic sample de land acquisition costs includ and 3) site preparation and	contracted services in suppo ude: 1) the continuation of a escriptions and formation pic ling real estate services to s cleanup services.	rt of coring and well constru- contract with the Florida G cks from core sites and peer ecure access to coring and	action sites throughout the eological Survey (FGS) to r reviews of reports; 2) well construction sites;	
Benefit:	These data collection activit manage and protect the res users under a recovery strait that may not be able to be re	ies will assist staff in the eva ource to prevent unanticipat tegy. These data will also co ecovered or mitigated once	aluation of future water supplied impacts that will need to ontribute to the prevention o experienced.	bly needs and help be resolved with water f environmental impacts	
Cost:	Total FY2018 request: \$47,750 District: \$47,750 Funding will be used for: - real estate to perform site acquisition due diligence (\$10,000) - 500 feet of core descriptions with formation picks (\$1,625) - three report reviews (\$1,125) - site preparation and cleanup costs associated with shell delivery, heavy equipment rentals, contract				
		Evaluation			
Resource Benefit:	These services support seve Groundwater Quality Monito protection of future water su well sites are also of critical	These services support several District Initiatives including the Northern District Drilling Plan, the Coastal Groundwater Quality Monitoring Network, and the Southern Water Use Caution Area (SWUCA)for the protection of future water supplies, water quality and minimum flows and levels. Maintaining access to these well sites are activated in a set of the protection.			
Cost Effectiveness:	The use of FGS to perform a more expedient manner a benefits of using contracted own equipment or increase effectively.	detailed lithologic description nd provides consistency in l real estate and site prepara staffing to perform services	ns will allow staff to focus o ithologic descriptions throug ation and restoration service that the private sector can	n more important tasks in ghout the state. The es eliminates the need to provide more cost	
Project Readiness:	The contracted services and	d field work will begin during	the first quarter of FY2018.		
		Strategic Goals			
Strategic Initiatives:	 Regional Water Supply Pla Water Quality Maintenance Minimum Flows and Levels 	nning and Improvement (MFL) Establishment and Re	ecovery		
Regional Priorities:	 Ensure long-term sustainat Implement Southern Water 	ble water supply. Use Caution Area (SWUCA)	Recovery Strategy.		
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$47,750	Annual Request	\$47,750	
Total	Annual Request	\$47,750	Annual Request	\$47,750	

Project No: C007	Aquifer Exploration and M	Ionitor Well Drilling Progra	am - CFWI		
Risk Level: Type 4	Project Category: Data - 0	Geologic			
Region: Heartland					
Areas of Responsibility	: Water Supply: X	Water Quality: X	Natural Systems:	Flood Protection:	
		Description			
Description	This funding request is to control the Central Florida Water In (DMIT) Hydrogeologic Work Florida Geological Survey (sites and storage of cores. properties, and rock geoches services necessary to acque contracted services for drilli	ontinue contracted services ititative (CFWI) area and incl Plan Update for 2016-2020 FGS) to perform lithologic sa The core information is used emistry that are then used in ire well construction sites; 3) ng assistance as needed.	related to coring and well co luded in the Data Monitoring). This includes: 1) continua ample descriptions and form I to determine aquifer hydro resource management inve site preparation and clean	onstruction activities within g and Investigations Team tion of a contract with the nation picks from core geology, hydraulic estigations; 2) real estate up services; and 4)	
Benefit	These data collection activition in managing and protecting with water users of the regional structure of the regional str	These data collection activities will assist District staff in the evaluation of future water supply needs to assist in managing and protecting the resource. This will prevent unanticipated impacts that will need to be resolved with water users of the region under a recovery strategy.			
Cost	: Total FY2018 request: \$186 District: \$186,544	5,544			
	Funding will be used for: - site acquisition real estate - lithologic description of 4, - storage of cores (\$15,000 - site preparation and clean trucking services, and fence - contracted services (\$21,0	 Funding will be used for: site acquisition real estate services (\$110,000) lithologic description of 4,900 feet of core including formation picks (\$15,475) storage of cores (\$15,000) site preparation and cleanup costs associated with shell delivery, heavy equipment rentals, contract trucking services, and fence work (\$25,000) 			
		Evaluation			
Resource Benefit	These services support sev minimum flows and minimu Maintaining access to these	eral District initiatives includ m water levels for the protec well sites are also of critica	ing the CFWI, Lower Florida tion of future water supplies I importance for long-term of	an aquifer exploration, and s and water quality. lata collection.	
Cost Effectiveness	The use of FGS to perform an expedient manner and w descriptions with one agend descriptions throughout the services eliminates the nee can provide more cost effect schedule to meet the goals	The use of FGS to perform detailed lithologic descriptions will allow staff to focus on more important tasks in an expedient manner and will increase the quality of the data due to centralization of core storage and descriptions with one agency that specializes in this work. This also provides consistency in lithologic descriptions throughout the state. The benefits of using contracted real estate and construction-related services eliminates the need to increase staffing to perform services or own equipment that the private sector can provide more cost effectively. The benefits of using contracted services is to keep the field work on experiment that the private sector can provide to more the need to increase staffing to perform services or own equipment that the private sector can provide the media to the private sector benefits of using contracted services is to keep the field work on			
Project Readiness	: The contracted services de	scribed above will begin duri	ing the first quarter of FY20	18.	
		Strategic Goals			
Strategic Initiatives	 Regional Water Supply Pla Water Quality and Assessr Minimum Flows and Levels 	nning nent Planning s (MFL) Establishment and Ro	ecovery		
Regional Priorities	- Ensure long-term sustainal - Implement Minimum Flow a	ble water supply. and Level (MFL) Recovery St	rategies.		
		Additional Information			
Additional Information	:				
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$186,544	Annual Request	\$186,544	
Total	Annual Request	\$186,544	Annual Request	\$186,544	

Project No: P088	CFWI Data, Monitoring and Investigations Team (DMIT) Technical Support				
Risk Level: Type 4	Project Category: Data - E	Biologic			
Region: Heartland					
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	Team's (DMIT's) Hydrogeologic Work Plan for FY2015-FY2020. The Work Plan identifies each water management district involved (SWFWMD, SFWMD, and SJRWMD) to collaboratively establish a number of wetland monitoring sites within the CFWI region during each year of the plan. Wetland monitoring standards should be similar to Class I site qualities identified by the CFWI Environmental Measures Team (EMT). Class I sites are required to have a surficial well, vegetative and land surveys, and soil evaluations. This project began the soil evaluation in FY17 and will continue for the FY2018 sites and start on the FY2019 sites, if possible.				
Benefit:	The project ensures that the CFWI DMIT Hydrogeologic Work Plan is met and that hydrologic, environmental, and other pertinent data are collected throughout the region to support the CFWI technical initiatives and CFWI regulatory activities.				
Cost:	Total project cost: \$90,000 District: \$90,000 with \$30,000 budgeted in prior years, \$30,000 requested in FY2018, and \$30,000 anticipated to be requested in future years.				
		Evaluation			
Resource Benefit:	The evaluation of the soil ch Plan.	naracteristics of the District's	wetland sites in support of	the CFWI DMIT Work	
Cost Effectiveness:	Cost is reasonable for the s for similarly funded District	cope of the assistance. The projects.	e project costs are consister	nt with the range of costs	
Project Readiness:	Project is ongoing.	Project is ongoing.			
		Strategic Goals			
Strategic Initiatives:	 Regional Water Supply Pla Conservation and Restorat 	nning ion			
Regional Priorities:	 Ensure long-term sustainable water supply. Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal. 				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$30,000	\$30,000	\$30,000	\$90,000	
Total	\$30,000	\$30,000	\$30,000	\$90,000	

Project No: W354	Semi-Autonomous	Semi-Autonomous Seagrass Mapping Pilot Project			
Risk Level: Type 1	Project Category: D	ata - Biologic			
Region: Tampa Bay					
Areas of Responsibility	: Water Supply:	Water Quality:		Natural Systems: X	Flood Protection:
		Descriptio	n		
Description	This project involves	the creation of thematic	maps to d	escribe the location of sea	grass and submerged
	aquatic vegetation w	ithin the Tampa Bay, Sa WIM) water bodies. Ma	rasota Bay ps will be c	r, and Charlotte Harbor Sur	face Water Improvement apply collected as part of
	the "Biennial Seagras	ss Coverage - Imagery	Acquisition	Project" (W331), using a s	emi-autonomous,
	machine-learning bas	sed geographic informa the 2016 seagrass mar	tion system	s approach. Following the this pilot project will deterr	acceptance of a proof of
	cost-effectiveness of	delineating seagrass us	sing a softw	vare-based approach, com	pared to the traditional
Bonofi	approach of manual	delineation by a photo-i	nterpreter (PI).	has the notential to be
Denem	expanded into the Sp	pring's Coast SWIM wat	er bodies a	s well. Currently, only a fe	w consulting firms are
	approved for the trad	itional PI seagrass map	ping appro	ach. If successful, this proj	ect would provide the
Cos	: Total project cost: \$7	5.000	mpleung u	ie bienniai seagrass mappi	ng enons.
	District: \$75,000	- ,			
	_	Evaluatio	n		
Resource Benefit	The mapping of seag	rass within each estuar	y allows the	e District, the Estuary Prog	rams, Florida Department
	seagrass. Seagrass	health is used by resour	ce manage	ers as an indicator of estual	rine water quality
	conditions. Thus, this	s project can assist with	water reso	urce management decision	making, specifically in
	criteria setting.	criteria setting.			
Cost Effectiveness	: If successful, this pro	If successful, this project would provide the District with an alternative methodology to completing the			
	anticipated that they	biennial seagrass mapping efforts. Actual cost savings will be assessed during this project, but it is anticipated that they could be significant compared to the current methodology.			
Project Readiness	Project will be ready	to proceed after aerial a	cquisition i	n FY18, pending favorable	results from the ongoing
	proof of concept. Pro	Dject will not proceed if	ne results (of the ongoing proof of con	cept are not favorable.
Strategic Initiatives	- Conservation and R	estoration	Julo		
Regional Priorities	: - Improve Charlotte H	arbor. Sarasota Bay and	I Shell/Prair	ie/Joshua creeks.	
	, , , , , , , , , , , , , , , , , , , ,	Additional Info	mation		
Additional Information	:				
		Funding			
Funding Source	Prior	FY2018 Req	uested	Future	Total
Ad Valorem		\$0	\$75,000	\$0	\$75,000
Total		\$0	\$75,000	\$0	\$75,000

Project No: WS01	Springs Submerged Aquatic Vegetation (SAV) Mapping and Evaluation			
Risk Level: Type 4	Project Category: Data - E	Biologic		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This project will implement a spring systems.	aquatic vegetation mapping	and evaluation within the D	istrict's first magnitude
Benefit:	The results of this project w Surface Water Improvemen	ill allow an evaluation of the t and Management (SWIM)	progress toward the first m plan quantifiable objectives	agnitude spring system
Cost:	Total project cost: \$250,000 District: \$250,000			
		Evaluation		
Resource Benefit:	The resource benefit of this project is the natural systems aquatic vegetation improvement that may occur once data is analyzed for trends, project identification and implementation.			
Cost Effectiveness:	The cost of this project is co	ost effective compared with	other projects of this scope.	
Project Readiness:	Project is ready to begin on	or before October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restorat	ion		
Regional Priorities:	- Improve northern coastal s	pring systems.		
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$250,000	\$0	\$250,000
Total	\$0	\$250,000	\$0	\$250,000

Project No: B219	Land Use/Cover Mapping	- Aerial Orthophoto Maps			
Risk Level: Type 1	Project Category: Data - N	Apping & Survey Control			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection: X	
		Description			
Description:	Beginning in 1989, the Distr of land use and land cover (Cover Classification System management districts. The (B089). In FY2018, funding mapping utilizing the image	ict initiated a comprehensive (LULC) using the Florida De h. The program is compatible LULC update cycle is synching is being requested for contri- ry collected in FY2017.	e mapping program that ide partment of Transportation's e with mapping efforts at the ronized with the three-year racted photo interpretation s	ntifies over 50 categories s Florida Land Use and e other water orthophoto update cycle support for the 2017 LULC	
Benefit:	The LULC data collected under this project are widely used to support the District's regulatory, planning, modeling and land acquisition programs. They support the following activities: 1) accurate tracking of acreages associated with agricultural water uses to ensure that they are consistent with permitted quantities; 2) District's ePermitting system that automatically provides evaluators with information on existing and past land use covers; 3) water quality and surface water models; and 4) land restoration, acquisition and management				
Cost:	Total FY2018 request: \$159 District: \$159,000	9,000			
		Evaluation			
Resource Benefit:	The LULC data collected un modeling and land acquisition	The LULC data collected under this project are widely used to support the District's regulatory, planning, modeling and land acquisition programs.			
Cost Effectiveness:	It is more cost effective to u staff who have other duties to dedicate to other projects	se a full-time contractor, dec and can only focus on the p and tasks.	dicated 100 percent to LULC roject part-time. This will als	C mapping, rather than so free up staff resources	
Project Readiness:	The project is ready to begin	n October 2017.			
		Strategic Goals			
Strategic Initiatives:	 Regional Water Supply Pla Alternative Water Supplies Reclaimed Water Water Quality and Assessn Water Quality Maintenance Minimum Flows and Levels Conservation and Restorat Floodplain Management 	 Regional Water Supply Planning Alternative Water Supplies Reclaimed Water Water Quality and Assessment Planning Water Quality Maintenance and Improvement Minimum Flows and Levels (MFL) Establishment and Recovery Conservation and Restoration 			
Regional Priorities:	 Improve northern coastal spring systems. Ensure long-term sustainable water supply. Implement Minimum Flow and Level (MFL) Recovery Strategies. Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal. Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks. 				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$159,000	Annual Request	\$159,000	
Total	Annual Request	\$159,000	Annual Request	\$159,000	

Project No: P297	Lower Withlacoochee River Data Collection and Hydrodynamic Model Development				
Risk Level: Type 4	Project Category: Data - S	tudies & Assessments			
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	This project will use consult support of the minimum flow	This project will use consultant services to collect additional data and perform analysis and modeling in support of the minimum flow and level (MFL) establishment due 2020.			
Benefit:	The results of this project w evaluate the current MFL.	ill be used to better understa	and the complex characteris	stics of the system and	
Cost:	Total project cost: \$400,000 District: \$400,000	Total project cost: \$400,000 District: \$400,000			
		Evaluation			
Resource Benefit:	The resource benefit of this project is the protection of the natural systems within the Lower Withlacoochee River by completing the MFL evaluation.				
Cost Effectiveness:	The cost of this project is co	The cost of this project is cost effective compared with other projects of this scope.			
Project Readiness:	Project is ready to begin on	or before October 1, 2017.			
		Strategic Goals			
Strategic Initiatives:	- Minimum Flows and Levels	(MFL) Establishment and R	ecovery		
Regional Priorities:	- Implement Minimum Flow a	and Level (MFL) Recovery St	rategies.		
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$0	\$400,000	\$0	\$400,000	
Total	\$0	\$400,000	\$0	\$400,000	

Project No: P629	Ridge Lakes Recovery Op	otions/CFWI			
Risk Level: Type 4	Project Category: Data - S	Studies & Assessments			
Region: Heartland					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	The requested funds are for management strategies dev established minimum level. project options to address re identifying potential options, the feasibility of projects to of the CFWI Solutions Plan.	r the evaluation of the Centr veloped during the Solutions This project will be to deve ecovery to the adopted mini , evaluating and quantifying be implemented. This proje . State funds may be alloca	al Florida Water Initiative (C Planning Phase for lakes n lop conceptual managemen mum levels for two lakes. T effects of each option on la ct is consistent with the nex ted to assist in this project.	CFWI) conceptual not currently meeting their at strategies into specific The tasks include ke levels, and determining at steps and financial plan	
Benefit:	These investigations will provide the District with recovery project options that can be implemented to achieve the adopted minimum levels for these lakes. Recovering these lakes is a goal of the CFWI and a Regional Priority in the District's Strategic Plan.				
Cost:	Total project cost: \$300,000 District: \$300,000				
		Evaluation			
Resource Benefit:	Recovering lakes that do not meet adopted minimum levels is a goal of the CFWI and a Regional Priority in the District's Strategic Plan. These investigations will provide the District with recovery project options that can be implemented to achieve the adopted minimum levels for these lakes.				
Cost Effectiveness:	Cost is reasonable consider	ring the scope of work.			
Project Readiness:	Project is ready to begin on or before December 1, 2017.				
	Strategic Goals				
Strategic Initiatives:	- Minimum Flows and Levels	(MFL) Establishment and R	ecovery		
Regional Priorities:	 Implement Minimum Flow a Implement Southern Water 	and Level (MFL) Recovery St Use Caution Area (SWUCA	trategies.) Recovery Strategy.		
		Additional Information			
Additional Information:	ditional Information: This project will provide information that can be used as potential recovery options for additional lakes in the CFWI and SWUCA.				
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$0	\$300,000	\$0	\$300,000	
Total	\$0	\$300,000	\$0	\$300,000	

Project No: B136	Florida Auto Weather Net	work (FAWN) Data and Ed	lucation		
Risk Level: Type 1	Project Category: Data - I	FAS Research			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Description:	This funding is provided and enhancements, as well as o climatic data, specifically ge	This funding is provided annually and primarily supports weather station operation, maintenance, service enhancements, as well as outreach and education. FAWN collects and distributes real-time weather and climatic data, specifically geared to agricultural users, to increase irrigation efficiency and reduce water use.			
Benefit:	The primary benefit of the F saved will be a function of the market and climatic condition state-wide are in excess of is use of the FAWN tools, e	The primary benefit of the FAWN program is a reduction in agricultural water use. The amount of water saved will be a function of the number of acres planted and water use, which will change annually based on market and climatic conditions. Estimated savings during cold protection events through the use of FAWN state-wide are in excess of one billion gallons of water per day. The key to realizing these water use savings is use of the FAWN tools, educating producers through workshops, written material, trade shows, etc.			
Cost:	Total FY2018 project cost: \$ District: \$100,000 IFAS: \$165,000 FDACS: \$88,000 SJRWMD: \$40,000 SFWMD: \$60,000 Mesonet: \$65,000	Total FY2018 project cost: \$518,000 District: \$100,000 IFAS: \$165,000 FDACS: \$88,000 SJRWMD: \$40,000 SFWMD: \$60,000			
		Evaluation			
Resource Benefit:	Through the use of the FAV irrigation, and limit cold prot	VN website and associated rection quantities. This will s	tools, growers are able to m ave groundwater across the	ore effectively schedule e District.	
Cost Effectiveness:	This is a research project in previous years of FAWN fur	which the University of Flond	rida is uniquely qualified. Co	osts are the same as	
Project Readiness:	Project is ongoing. Funding improvements, community of	is intended to keep the sys outreach, and training.	tem operational. It also prov	ides for system	
	1	Strategic Goals			
Strategic Initiatives:	- Conservation				
Regional Priorities:	- Ensure long-term sustainat	ble water supply. Use Caution Area (SWUCA) Recovery Strategy.		
		Additional Information			
Additional Information:	The FAWN program was developed to provide real time weather information to help Florida citizens make informed weather related decisions. This information is used to help conserve water and protect Florida's natural systems. Irrigators use FAWN data to help determine when and how much to water. Also, FAWN data is used to assist individuals to determine when to turn off irrigation systems used for cold protection. Urban and agricultural chemical applicators use FAWN to help make decisions relative to the application of chemicals and fertilizer. FAWN has been expanded to provide on-line water/irrigation management tools that require weather inputs. Examples of these tools include insect and disease control, cold protection, irrigation, nutrient management and many more. The District's Agricultural Advisory Committee has expressed their support for the FAWN program. There are 44 FAWN stations statewide with 13 stations within the District.				
			— .	-	
Funding Source	Prior	F Y2018 Requested	Future	Total	
Agricultural Sciences	Annual Request	\$165,000	Annual Request	\$165,000	
FDAGS	Annual Request	\$88,000	Annual Request	\$88,000	
St. Johns River Water Management District	Annual Request	\$40,000	Annual Request	\$40,000	
South Florida Water Management District	Annual Request	\$60,000	Annual Request	\$60,000	
Mesonet	Annual Request	\$65,000	Annual Request	\$65,000	
Ad Valorem	Annual Request	\$100,000	Annual Request	\$100,000	
Total	Annual Request	\$518,000	Annual Request	\$518,000	

Project No: B403	Evaluation of Nitrogen Le	aching from Reclaimed W	ater Applied to Lawns, Sp	oray Fields, and RIBs			
Risk Level: Type 2	Project Category: Data - IFAS Research						
Region: Districtwide							
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:			
		Description					
Description:	This research project will co between three typical reclai The objective of this resear groundwater from effluent v	ompare Total Nitrogen (N) ar med water applications; rapi ch is to gain a better underst vater.	nd Total Phosphorus (P) lea d infiltration basins (RIBs), tanding of how best to redu	aching differences lawns, and sprayfields. ce N and P loading to			
Benefit:	A major component of this evaluation will be testing several denitrification materials that have shown to be effective in reducing N and P in other applications (stormwater, septic, groundwater). Denitrification materials have not yet been used in RIBs. By determining if denitrification zones effectively reduce N loading from effluent water, RIBs can be renovated to include a denitrification zone which may greatly enhance the RIB design and could increase water quality in springs. Several denitrification zone materials will be evaluated, including saw dust, limestone, and biochar. This information will be valuable in evaluating future Cooperative Funding Initiative (CFI) projects that address water quality in springsheds and could have state-wide applications. The final report will provide recommendations as to future RIB design, their potential impact on water quality and a summary of N and P leaching from RIBs, lawns and sprayfields.						
Cost:	Total project cost: \$294,000 District: \$294,000 with \$214	Total project cost: \$294,000 District: \$294,000 with \$214,000 budgeted in prior years, and \$80,000 requested in FY2018					
		Evaluation					
Resource Benefit:	Potential reduction in N and	P leaching from reclaimed	water use in springsheds.				
Cost Effectiveness:	Project costs are consistent	t with other similar District fu	nded research projects.				
Project Readiness:	The project is ongoing.						
		Strategic Goals					
Strategic Initiatives:	 Reclaimed Water Water Quality and Assessr 	nent Planning					
Regional Priorities:	- Improve northern coastal s	pring systems.					
		Additional Information					
Additional Information:							
		Funding					
Funding Source	Prior	FY2018 Requested	Future	Total			
Ad Valorem	\$214,000	\$80,000	\$0	\$294,000			
Total	\$214,000	\$80,000	\$0	\$294,000			
Project No:	B404	New Practical Method for Managing Irrigation in Containers					
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Risk Level:	Туре 1	Project Category: Data	- IFAS Research				
Region:	Districtwide						
Areas of R	Responsibility:	Water Supply: X	Water Quality:		Natural Systems:		Flood Protection:
			Descripti	on			
	Description:	This research project is to conjunction with the Cont developed. CIRRIG allow computer or from mobile type data in calculating in impacts from adopting a implementation of this be	This research project is to implement and scientifically evaluate a leachate fraction monitoring program in conjunction with the Container Irrigation (CIRRIG) web-based irrigation management program previously developed. CIRRIG allows growers to control irrigation of nurseries using the internet either from a personal computer or from mobile phone applications, and the program incorporates weather, plant spacing and plant type data in calculating irrigation needs. Scientific documentation of the water conservation and plant growth impacts from adopting a precision irrigation technology will provide crucial support for promoting the implementation of this best management practice among nursery growers throughout the District.				
	Benefit:	There are over 5,000 acro million gallons of water per per year. In addition, this improve water quality. Th water use, which will char used by the District's regu Resource Management S 43% can be expected if ir incorporated into the sch	There are over 5,000 acres of nursery production in the District and typically they are permitted for about 1.7 million gallons of water per acre. If this project reduces water use by 1% it will save over 85 million gallons per year. In addition, this reduced water use could decrease the amount of nutrient leaching which would improve water quality. The amount of water saved will be a function of the number of acres planted and their water use, which will change annually based on climatic conditions. Information from this project could be used by the District's regulatory program, conservation efforts and the District's Facilitating Agricultural Resource Management Systems (FARMS) program. Based on initial field testing, water use savings of up to 43% can be expected if irrigation is based on evapotranspiration and irrigation capture, which are				
	Cost:	Total project cost: \$165,310 District: \$165,310 with \$118,310 budgeted in prior years, and \$47,000 requested in FY2018					
		Evaluation					
Res	ource Benefit:	This information will be us reduced water use.	sed to support the	implementa	tion of Best Manage	ement P	ractices and result in
Cost	Effectiveness:	This is a research project compared to previously fu	in which the Univ Inded IFAS resear	ersity of Flor rch projects.	ida is uniquely qual	ified. Co	osts are appropriate
Proje	ect Readiness:	Project is ongoing.					
			Strategic G	ioals			
Strate	gic Initiatives:	 Conservation Water Quality Maintenar 	ce and Improveme	ent			
Regio	onal Priorities:	 Improve northern coasta Ensure long-term sustair Implement Southern Wa 	l spring systems. hable water supply. ter Use Caution Ar	ea (SWUCA) Recovery Strategy.		
			Additional Info	ormation			
Additiona	al Information:	The results of this research will be shared with growers through field days, presentations at agricultural forums, and agricultural newsletters. Project results will also be provided to the District's Agricultural Advisory Committee.					
Funding							
Fundir	ng Source	Prior	FY2018 Re	quested	Future		Total
Ad Valorem		\$118,31	0	\$47,000		\$0	\$165,310
٦	Total	\$118,31		\$47,000		\$0	\$165,310

Project No: B405	Project No: B405 Eliminating Sprinkler Irrigation Use in Strawberry Transplant Establishment				
Risk Level: Type 1	Project Category: Data - II	FAS Research			
Region: Tampa Bay					
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Description:	This research project is to d establish strawberry plants a root plants that require signi crown and establishment of be evaluated to determine if yield and fruit timing.	establish strawberry plants at the beginning of the season. Typically Florida strawberry growers plant bare root plants that require significant sprinkler irrigation to maintain a cool micro climate for the survival of the crown and establishment of new root growth. Water requirements of transplant plugs and crop additives will be evaluated to determine if the establishment water use can be reduced, and if this methodology will impact yield and fruit timing.			
Benefit:	New planting methodology using transplant plugs and crop additives, if proven effective in this research, may reduce water use for establishment of strawberry plants while retaining yield and timing for the strawberry growers.				
Cost:	Total project cost: \$167,000 District: \$167,000 with \$136) 5,000 budgeted in prior years	s, and \$31,000 requested ir	n FY2018	
		Evaluation			
Resource Benefit:	This information can be use water use.	This information can be used by growers to implement new planting methodologies that will result in reduced water use.			
Cost Effectiveness:	This is a research project in which the University of Florida is uniquely qualified. Costs are appropriate compared to previously funded IFAS research projects, such as B288 - Reduction of Irrigation Applications for Strawberry Transplant Establishment and Cold Protection.				
Project Readiness:	Project is ongoing.				
		Strategic Goals			
Strategic Initiatives:	- Conservation				
Regional Priorities:	 Ensure long-term sustainat Implement Southern Water 	ble water supply. Use Caution Area (SWUCA)) Recovery Strategy.		
		Additional Information			
Additional Information:	The results of this research forums, and agricultural new Committee.	will be shared with growers vsletters. Project results will	through field days, present also be provided to the Dis	ations at agricultural trict's Agricultural Advisory	
Funding					
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$136,000	\$31,000	\$0	\$167,000	
Total	\$136,000	\$31,000	\$0	\$167,000	

Project No: B406	Using Fertigation with Ce	nter Pivot Irrigation to Sav	e Water for Commercial I	Potato and Snap Bean	
Risk Level: Type 1	Project Category: Data - II	FAS Research			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Description:	This research project is to e integrating fertigation as an system on potato growth an granular fertilizer. This rese	valuate the potential water u alternative to the standard g d yield compared to a hybric arch builds on the center piv	use savings of center pivot granular fertilization prograr d center pivot/seepage irrig rot water use investigation of	irrigation systems n, and the effect of such a ation system using of B298.	
Benefit:	If proven effective, the introduction of fertigation into a center pivot system could reduce irrigation water use by changing the standard growing practice from seepage irrigation to a more efficient center pivot irrigation. While center pivot uses less water, if yield and growth are impacted, it will not be an acceptable practice to commercial producers. Additionally, if a more efficient fertilization practice can be developed, this may reduce nutrients migrating off site.				
Cost:	Total project cost: \$400,000 District: \$400,000 with \$213,000 budgeted in prior years, \$110,500 requested in FY2018, and \$76,500 anticipated to be requested in future years				
	Evaluation				
Resource Benefit:	This information can be use crop yields.	This information can be used by growers to implement more efficient irrigation systems while maintaining crop yields.			
Cost Effectiveness:	This is a research project in which the University of Florida is uniquely qualified. Costs are appropriate compared to previously funded IFAS research projects such as B298 - Exploring the Feasibility of Converting to Center Piyot				
Project Readiness:	Project is ongoing.				
		Strategic Goals			
Strategic Initiatives:	- Conservation - Water Quality Maintenance	and Improvement			
Regional Priorities:	 Ensure long-term sustainat Implement Southern Water 	ble water supply. Use Caution Area (SWUCA)	Recovery Strategy.		
		Additional Information			
Additional Information:	The results of this research will be shared with growers through field days, presentations at agricultural forums, and agricultural newsletters. Project results will also be provided to the District's Agricultural Advisory Committee.				
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$213,000	\$110,500	\$76,500	\$400,000	
Total	\$213,000	\$110,500	\$76,500	\$400,000	

Project No: B407	Reduction of Water Use f	or Citrus Cold Protection			
Risk Level: Type 1	Project Category: Data -	FAS Research			
Region: Districtwid	e				
Areas of Responsibility	ty: Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Descriptio	This project is to more accurprogresses. The tree leaf c as winter progresses. This hardiness-critical temperatures that Network (FAWN) website, s real-time temperatures that	urately predict the tree leaf cr ritical temperature threshold project provides growers with ure range over the winter, wh so growers can optimize thei are occurring in their groves	itical freezing temperature often changes by becoming h an indication of their grow hich is reported to the Florid r cold protection irrigation re	for groves as a season g more or less cold hardy e's potential cold a Automated Weather equirements based on	
Bene	fit: By more accurately predicti the water used for cold pro percent of the permitted cit would result in a water savi freeze event.	By more accurately predicting the tree leaf critical temperature the grove owner can more precisely manage the water used for cold protection, thereby conserving water. Implementation of this methodology by 10 percent of the permitted citrus acreage within the Alafia, Manasota and Peace River Basins (35,526 acres) would result in a water savings of about 425 million gallons of water per night for what might be a non-critical freeze event.			
Co	st: Total project cost: \$21,000 District: \$21,000 with \$5,50 be requested in future year	Total project cost: \$21,000 District: \$21,000 with \$5,500 budgeted in prior years, \$7,750 requested in FY2018, and \$7,750 anticipated to be requested in future years			
		Evaluation			
Resource Bene	fit: This project aims to reduce District.	upper Floridan groundwater	use for cold protection by	citrus growers across the	
Cost Effectivene	SS: This is a research project in compared to previously fun Protection.	n which the University of Flor ded IFAS research projects	ida is uniquely qualified. Co such as B287 - Reduction o	osts are appropriate of Water Use for Cold	
Project Readine	ss: Project is ongoing.				
		Strategic Goals			
Strategic Initiativ	es: - Conservation				
Regional Prioriti	es: - Ensure long-term sustaina - Implement Southern Wate	ble water supply. r Use Caution Area (SWUCA)	Recovery Strategy.		
		Additional Information			
Additional Information	The results of this research forums, and agricultural ne Committee.	The results of this research will be shared with growers through field days, presentations at agricultural forums, and agricultural newsletters. Project results will also be provided to the Agricultural Advisory Committee.			
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$5,500	\$7,750	\$7,750	\$21,000	
Total	\$5,500	\$7,750	\$7,750	\$21,000	

Project No: B412	Project No: B412 Composting at Animal Stock Facilities				
Risk Level: Type 1	Project Category: Da	a - IFAS Research			
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:	
		Description			
Description:	This research project v will investigate various The project will also co	This research project will evaluate the nutrient removal efficiency from composting animal waste. The project will investigate various composting best management practices (BMPs) to determine which is most effective. The project will also compare nutrient leaching efficiency for manure stockpiling and composting facilities.			
Benefit:	This information will be BMPs, especially for p	This information will be used to quantify the nutrient leaching prevention potential of various composting BMPs, especially for projects within the springsheds of the Northern Planning Region.			
Cost:	Total project cost: \$175,000 District: \$175,000 with \$75,000 budgeted in prior years, \$50,000 requested in FY2018, and \$50,000 anticipated to be requested in future years				
		Evaluation			
Resource Benefit:	The removal of nutrien quality.	s entering groundwater systems	within the northern spring	sheds will improve water	
Cost Effectiveness:	This is a research proje compared to previously	ect in which the University of Flow r funded IFAS research projects.	rida is uniquely qualified. C	osts are appropriate	
Project Readiness:	Project is ongoing.				
		Strategic Goals			
Strategic Initiatives:	- Water Quality Mainter	ance and Improvement			
Regional Priorities:	- Improve northern coas	tal spring systems.			
		Additional Information			
Additional Information:	The results of this rese forums, and agricultura Committee.	arch will be shared with growers I newsletters. Project results will	through field days, presen also be provided to the Dis	tations at agricultural strict's Agricultural Advisory	
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$75,	\$50,000	\$50,000	\$175,000	
Total	\$75,	\$50,000	\$50,000	\$175,000	

Project No:	B413	Effects of Increased Citru	s Tree Density on Suppler	nental Irrigation Requiren	nents
Risk Level:	Туре 1	Project Category: Data - II	FAS Research		
Region:	Districtwide				
Areas of R	esponsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:
			Description		
	Description:	way to combat HLB, or Citrus Greening disease, and maximize the use of production inputs per acre, higher planting densities are being utilized in grove resets as a way to achieve earlier economic production and to grow a larger fruit bearing canopy at maturity than would be possible with traditional densities. Potential benefits of high density plantings are; early canopy development, early and high fruit production and return on investment, spare trees and compensatory growth in high-density plantings to offset tree losses, optimum nutrition, enhanced tree fitness, and maximum fertilizer and water-use efficiency.			
	Benefit:	This study will evaluate the water requirements for high density vs traditional citrus plantings as it relates to tree size, health and fruit production. It will benefit the agricultural community in increased fruit yields, earlier economic production and a fuller canopy at maturity. The research will also be beneficial in developing a long term water supply plan in the Central Florida Water Initiative (CFWI).			
	Cost:	Total project cost: \$210,000 District: \$210,000 with \$70,000 requested in FY2018, and \$140,000 anticipated to be requested in future years			
			Evaluation		
Reso	ource Benefit:	This information may be use reduced water use.	ed by growers to implement	new planting methodologie	s that may result in
Cost I	Effectiveness:	This is a research project in compared to previously fund Protection.	which the University of Flor ded IFAS research projects	ida is uniquely qualified. Co such as B287- Reduction o	ost ia appropriate f Water Use for Cold
Proje	ct Readiness:	Project is ongoing.			
			Strategic Goals		
Strateg	gic Initiatives:	- Conservation			
Regio	nal Priorities:	 Ensure long-term sustainat Implement Southern Water 	ble water supply. Use Caution Area (SWUCA)	Recovery Strategy.	
			Additional Information		
Additiona	I Information:	: The results of this research study will be shared with growers through fields days, presentations at agriculture forums, and agriculture newsletters. Project results will be provided to the District's Agricultural Advisory Committee.			
			Funding		
Fundir	g Source	Prior	FY2018 Requested	Future	Total
Ad Valorem		\$0	\$70,000	\$140,000	\$210,000
Т	otal	\$0	\$70,000	\$140,000	\$210,000

Project No: P446	Evaluation of Water Use 8	Water Quality Effects of	Amending Soils & Lawns	with Compost Material	
Risk Level: Type 2	Project Category: Data - If	FAS Research			
Region: Northern					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems:	Flood Protection:	
		Description			
Description:	This two year research proje applications in the Northern of lawn compost application	This two year research project will evaluate the water quantity and quality effects of compost and tillage applications in the Northern Planning Region. The objective of this research is to gain a better understanding of lawn compost applications related to water quality and consumption variations.			
Benefit:	The application of compost materials has shown to improve soil quality by increasing infiltration, water holding capacity and nutrient availability in plants, so this study intends to determine the combined irrigation reduction and water quality effects of compost applications in the real-world residential turf environment.				
Cost:	Total project cost: \$60,000 District: \$60,000 with \$30,00	00 requested in FY2018, an	d \$30,000 anticipated to be	requested in future years.	
		Evaluation			
Resource Benefit:	Potential reduction in residential irrigation water use, and potential reduction in fertilizer use in springsheds.				
Cost Effectiveness:	Project costs are consistent	Project costs are consistent with other similar District funded research projects.			
Project Readiness:	Project is ready to begin on	or before December 1, 201	7.		
		Strategic Goals			
Strategic Initiatives:	- Conservation - Water Quality and Assessm	nent Planning			
Regional Priorities:	 Improve northern coastal sp Ensure long-term sustainab 	oring systems. ble water supply.			
		Additional Information			
Additional Information:					
	Funding				
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$0	\$30,000	\$30,000	\$60,000	
Total	\$0	\$30,000	\$30,000	\$60,000	

Project No: SZ00	Surplus Lands Assessme	nt Program			
Risk Level: Type 1	Project Category: Land A	cquisition			
Region: Districtwide					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	This request will be used to identified for surplus include water resource benefits, suc and protection of water reso wetlands, streams and lake	perform due diligence asso e those that no longer meet ch as flood control, recharge purces, water resource and s.	ciated with the disposition of the original acquisition purp e, water storage, water man water supply development,	f surplus lands. Lands ose, or do not provide agement, conservation or preservation of	
Benefit:	The District conducted a the protection, water quality and efficient stewardship of both transparent public decision- original acquisition purpose and a full range of potential	The District conducted a thorough review of its land holdings to ensure they support water supply, flood protection, water quality and natural systems areas of responsibility; thereby, ensuring the diligent and efficient stewardship of both land and financial resources for the citizens of Florida. Conducted in a transparent public decision-making process, the review process identified lands that no longer meet the original acquisition purpose and current water management benefits within the four areas of responsibility, and a full range of potential surplus options were explored.			
Cost:	Total FY2018 request: \$70,0 District: \$70,000	000			
	Evaluation				
Resource Benefit:	Lands that no longer meet to sold. The funds used from the mission.	he District's core mission m his effort are then used to b	ay be declared surplus by the up lands that significantly m	ne Governing Board and eet the District's core	
Cost Effectiveness:	Costs are appropriate comp	ared to previously funded p	rojects.		
Project Readiness:	As this is an ongoing initiativ	ve, the initiative is ready for	implementation at the start	of FY2018.	
		Strategic Goals			
Strategic Initiatives:	- Conservation and Restoration	ion			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$70,000	Annual Request	\$70,000	
Total	Annual Request	\$70,000	Annual Request	\$70,000	

Project No: P280	Project No: P280 Hydrogeological Investigation of Lower Floridan Aquifer (LFA) in Polk County				y		
Risk Level: Type	e 3	Project Category: Aquif	er Storage & Recovery Feas	sibility & Pilot Testing			
Region: Hear	tland						
Areas of Respo	onsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:		
			Description				
Des	scription:	and project explores the Lower Floridan aquiter (LFA) in Polk County to assess its viability as an alternative water supply (AWS) source as well as to gain a better understanding of the LFA characteristics and groundwater quality in Polk County. Three sites have been identified. Agreements/easements have been been obtained with with the appropriate agencies for the use of these sites. Drilling has commenced at the Crooked Lake site and will be starting soon at the Frostproof site. At each site, if the tests on the initial exploration monitor well drilled are positive, a test production well may be constructed at the site. In addition, an aquifer performance test will be performed on the test production well to obtain transmissivity and leakance information as well as to determine the quality of the formation of water.					
	Benefit:	The data gathered from the well(s) will improve the District's understanding of this potential AWS source, enhance groundwater modeling of the LFA, and determine the practicality of developing the LFA as an AWS source in areas facing future water supply deficits. Data from this project will also add to the geologic inputs of the District Regulation Model (DWRM) for the LFA to assess potential withdrawal-related impacts to water resources in the District. If the tests prove that the water quality and quantity are suitable, the water may be used by the regional entity established in Polk County as an additional source of public water supply.					
	Cost:	Total project cost: \$12,00 District: \$12,000,000 with \$2,000,000 anticipated to	0,000 \$9,000,000 budgeted in prior be requested in future years.	years, \$1,000,000 requeste	ed in FY2018, and		
			Evaluation				
Resource	e Benefit:	The resource benefit is th quality in Polk County and	e exploration of the LFA to ur d to assess potential viability a	nderstand aquifer characteris as an alternative water supp	stics and groundwater ly source.		
Cost Effec	tiveness:	Project costs are in line w	ith similar District LFA explore	ation projects.			
Project Re	eadiness:	Project is ongoing.					
			Strategic Goals				
Strategic Ir	nitiatives:	 Regional Water Supply F Alternative Water Supplie Water Quality and Asses 	Planning es sment Planning				
Regional F	Priorities:	 Ensure long-term sustain Implement Southern Wat Improve Ridge Lakes, W 	able water supply. er Use Caution Area (SWUCA inter Haven Chain of Lakes an	.) Recovery Strategy. d Peace Creek Canal.			
			Additional Information				
Additional Info	ormation:						
	Funding						
Funding So	ource	Prior	FY2018 Requested	Future	Total		
Ad Valorem		\$9,000,000	\$1,000,000	\$2,000,000	\$12,000,000		
Total		\$9,000,000	\$1,000,000	\$2,000,000	\$12,000,000		

Project No: H017	Facilitating Agricultural R	esource Management Sys	tems (FARMS) Program		
Risk Level: Type 1	Project Category: Facilita	ting Agricultural Resource	e Management Systems		
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems:	Flood Protection:	
	•	Description			
Description:	The Facilitating Agricultural management practice (BMF developed by the District an purpose of the FARMS initia	Resource Management Sys cost-share reimbursement d the Florida Department of ative is to provide cost-share	stems (FARMS) Program is t program. The program is a Agriculture and Consumer ofunding for agricultural BM	an agricultural best a public/private partnership Services (FDACS). The IPs.	
Benefit:	The FARMS Program has fi quality within the Shell, Prai natural systems impacted b the Upper Myakka River wa Southern Water Use Cautio Dover/Plant City Water Use the northern areas of the Di resources. Each project's pe	The FARMS Program has five specific goals: 1) Reduce groundwater use and/or improve surface water quality within the Shell, Prairie and Joshua Creek watersheds; 2) Reduce groundwater use and/or improve natural systems impacted by excess irrigation and surface water runoff within the Flatford Swamp region of the Upper Myakka River watershed; 3) Offset 40 million gallons per day (mgd) of groundwater within the Southern Water Use Caution Area (SWUCA) by 2025; 4) Reduce frost/freeze pumpage by 20% within the Dover/Plant City Water Use Caution Area (DPCWUCA) by 2020; and 5) Prevent groundwater impacts within the northern areas of the District. These goals are critical in the District's overall strategy to manage water resources. Each project's performance is tracked to determine its effectiveness toward program goals.			
Cost:	Funding will be used for: - District Grants: FARMS B - Contracted Services for D	Total FY2018 request: \$6,002,560 District: \$6,002,560 Funding will be used for: - District Grants: FARMS BMP projects (\$6,000,000)			
		Evaluation	· · · · ·		
Resource Benefit:	It is estimated that FARMS	projects have reduced grour	ndwater use, District-wide, I	oy nearly 27 mgd.	
Cost Effectiveness:	Groundwater offsets accom gallons saved.	plished through FARMS pro	jects have a cost of approx	imately \$1.90 per 1,000	
Project Readiness:	Project is ongoing.				
		Strategic Goals			
Strategic Initiatives:	 Regional Water Supply Pla Alternative Water Supplies Conservation Water Quality Maintenance 	nning and Improvement			
Regional Priorities:	 Improve northern coastal s Ensure long-term sustainat Implement Southern Water Improve Charlotte Harbor, s 	pring systems. ble water supply. Use Caution Area (SWUCA) Sarasota Bay and Shell/Prair) Recovery Strategy. ie/Joshua creeks.		
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$6,002,560	Annual Request	\$6,002,560	
Total	Annual Request	\$6,002,560	Annual Request	\$6,002,560	

Project No: H579	FARMS IFAS Best Manage	ement Practices (BMPs) In	nplementation Team	
Risk Level: Type 1	Project Category: Facilita	ting Agricultural Resource	e Management Systems	
Region: Districtwide				
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:
		Description		
Description:	This project is to assist the Best Management Practices adopts, and assists with the implementation is the legisla with Total Maximum Daily L	Florida Department of Agric s (BMPs). FDACS, through a implementation of BMPs to atively recognized alternative oads (TMDLs).	ulture and Consumer Servic the Office of Agricultural Wa protect and conserve wate e to regulation for agricultur	ces (FDACS) in promoting ater Policy, develops, r resources. BMP al producers to comply
Benefit:	In order to reach producers on a wide scale and enroll them in the FDACS BMP Program, FDACS contracts with the University of Florida - Institute of Food and Agricultural Sciences (IFAS) to help provide technical and educational assistance to producers in selecting and implementing applicable BMPs and function as an agency liaison. IFAS staff will enroll producers in the FDACS BMP program and promote water conservation and nutrient reduction BMPs. Staff will also promote the FARMS and Mini-FARMS cost share programs to producers within the counties served by the District. The District receives a report of outreach activities, including an activity log that lists meeting dates, topics discussed or presented, producer location and contact information, as well as meeting summaries where applicable. This outreach activity can generate District cost share program inquiries by producers and lead to increased referrals. Further, the outreach provides insight into the producers' concerns and interests regarding emerging technology or approaches that can potentially expand the current scope of District cost share programs.			
Cost:	Total FY2018 request: \$50, District: \$50,000	000		
		Evaluation		
Resource Benefit:	BMP implementation has be	een shown to improve water	quality and reduce water u	se.
Cost Effectiveness:	FDACS has determined tha program. The implementation District's FARMS Program version	t IFAS is uniquely qualified to on of agricultural BMPs is ty where the average cost is \$	to enroll agricultural produce pically very cost effective, a 1.90 per 1,000 gallons save	ers in the BMP s demonstrated in the d.
Project Readiness:	Project is ongoing.			
		Strategic Goals		
Strategic Initiatives:	 Regional Water Supply Pla Alternative Water Supplies Conservation Water Quality Maintenance 	nning and Improvement		
Regional Priorities:	 Improve northern coastal spring systems. Ensure long-term sustainable water supply. Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks. 			
		Additional Information		
Additional Information:				
Funding				
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	Annual Request	\$50,000	Annual Request	\$50,000
Total	Annual Request	\$50,000	Annual Request	\$50,000

Project No: P429	FARMS Meter Accuracy S	upport			
Risk Level: Type 1	Project Category: Facilitat	ting Agricultural Resource	Management Systems		
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Description:	participants, which results in accurate reporting of FARMS offsets. To verify accurate reporting, Water Use Permit metering conditions require meter accuracy checks every five years, with results within a five percent accuracy range. FARMS coordinates with landowners to schedule testing, and forwards accuracy test results to the landowner and Water Use Permitting staff. If any calibration or other repairs are identified, the landowner is responsible for that work. In FY2016, FARMS coordinated testing on 29 flow meters, expending \$7,856.94.				
Benefit:	This project will enable the District to collect accurate and timely pumpage data from permittees that have participated in the FARMS program. This information is used to track groundwater offsets achieved through FARMS projects.				
Cost:	Total FY2018 request: \$25,0 District: \$25,000	000			
		Evaluation			
Resource Benefit:	This information is used to value also be used to track permit	verify accuracy of groundwat compliance.	ter offsets from FARMS pro	jects. The information can	
Cost Effectiveness:	This information is used to or Groundwater offsets accom 1,000 gallons saved.	letermine the cost effectiver plished through FARMS pro	ness of each FARMS project jects to date have a cost of	t that is implemented. approximately \$1.90 per	
Project Readiness:	Project is ongoing.				
		Strategic Goals			
Strategic Initiatives:	 Alternative Water Supplies Conservation 				
Regional Priorities:	 Ensure long-term sustainat Implement Southern Water 	le water supply. Use Caution Area (SWUCA)	Recovery Strategy.		
		Additional Information			
Additional Information:					
	Funding				
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$25,000	Annual Request	\$25,000	
Total	Annual Request	\$25,000	Annual Request	\$25,000	

Project No: H089	Most Impacted Area (MIA	Most Impacted Area (MIA) Recharge SWIMAL Recovery at Flatford Swamp				
Risk Level: Type 4	Project Category: Minimu	Im Flows and Levels Reco	very			
Region: Southern						
Areas of Responsibilit	y: Water Supply: X	Water Quality:	Natural Systems: X	Flood Protection:		
		Description				
Descriptio	n: This project explores the vi Floridan aquifer through we swamp was associated with	ability of utilizing excess wat ells. The original study on Fla h increased water levels and	er from the Flatford Swam atford Swamp determined extended hydroperiods.	p to recharge the Upper that tree die-off in the Subsequent study identified		
	the optimal method to capture options have been explored most promising option. The surface water to the Upper consisting of a 24-inch diar an upper zone monitoring v analysis and reporting in ac	the optimal method to capture the excess flow was to intercept it at three key tributaries. Several different options have been explored to beneficially use the intercepted excess flow. Injection now appears to be the most promising option. The District received a permit to drill a test well investigating the option of recharging surface water to the Upper Floridan aquifer. These funds will construct and test a recharge system consisting of a 24-inch diameter recharge well to approximately 1,000 feet; a recharge zone monitoring well; an upper zone monitoring well; methodology to recharge the surface water and water quality sampling,				
Benef	it: The recharge well will test to of the project could range f slow saltwater intrusion as to providing a groundwater levels as estimated by the	The recharge well will test the viability of recharging surface water at Flatford Swamp. The ultimate benefits of the project could range from recharging the Floridan aquifer system near the Most Impacted Area (MIA) to slow saltwater intrusion as discussed in the Southern Water Use Caution Area (SWUCA) Recovery Strategy to providing a groundwater use offset. This option will also work to re-establish hydroperiods close to historic layer a catingt by the Unper Muede Water Rudget Model.				
Cos	t: Total project cost: \$31,000 District: \$31,000,000 with \$ \$25,884,422 anticipated to	,000 i3,115,578 budgeted in prior be requested in future years	years, \$2,000,000 request	ed in FY2018, and		
		Evaluation				
Resource Benef	it: The project has the potenti Aquifer Level (SWIMAL) re surface water.	al to substantially benefit the covery. The test well project	MIA by boosting Salt Wate t will set the protocol and n	er Intrusion Minimum nethodology of recharging		
Cost Effectivenes	s: The project is currently in the considered high. Conceptution outcome of design. Average	ne feasibility phase. Using c ial estimates for the project i e annual yield could be up to	onceptual estimates the co s approximately \$31 million o 10 million gallons per day	ost effectiveness would be n depending on the final r (mgd).		
Project Readines	s: The project is ongoing.					
		Strategic Goals				
Strategic Initiative	s: - Regional Water Supply Pla - Alternative Water Supplies	anning S				
Regional Prioritie	s: - Ensure long-term sustaina - Implement Southern Wate	 Ensure long-term sustainable water supply. Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. 				
		Additional Information				
Additional Informatio	n:					
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$3,115,578	\$2,000,000	\$25,884,422	\$31,000,000		
Total	\$3,115,578	\$2,000,000	\$25,884,422	\$31,000,000		

Project No: H404	Lower Hillsborough River Recovery Strategy (LHRRS) Morris Bridge Sink Environmental Monitoring						
Risk Level: Type 4	Project Category: Minimu	Project Category: Minimum Flows and Levels Recovery					
Region: Tampa Bay							
Areas of Responsibility:	Water Supply:	Water Supply: Water Quality: X Natural Systems: X Flood Protection: I					
		Description					
Description:	This project includes monitor Sink to augment flows in the flows and levels in the Lowe Consumptive Use Permit N potential impacts to the neig surficial aquifers resulting fir	This project includes monitoring of a permitted consumptive use. Water will be pumped from Morris Bridge Sink to augment flows in the Hillsborough River during drought conditions to assist in maintaining minimum flows and levels in the Lower Hillsborough River. This monitoring is required as part of a condition of Consumptive Use Permit No. 20020574.000 to implement an environmental monitoring plan to evaluate the potential impacts to the neighboring wetlands from any significant drawdown of the Upper Floridan and sufficial aquifers resulting from withdrawals from Morris Bridge Sink.					
Benefit:	This project provides enviro Protection that is required b	This project provides environmental monitoring and reporting to Florida Department of Environmental Protection that is required by Water Use Permit No. 20020574.					
Cost:	Total project cost: \$330,000 District: \$330,000, with \$14) 5,000 budgeted in prior yeaı	rs, and \$185,000 requested	l in FY2018.			
	Evaluation						
Resource Benefit:	Natural systems protection	of Morris Bridge Sink wetlan	ids.				
Cost Effectiveness:	The cost for this project is w	vithin the range of similar pro	ojects.				
Project Readiness:	The project is ready to begi	n on or before December 1,	2017.				
		Strategic Goals					
Strategic Initiatives:	- Minimum Flows and Levels	(MFL) Establishment and R	ecovery				
Regional Priorities:	- Implement Minimum Flow	and Level (MFL) Recovery St	rategies.				
		Additional Information					
Additional Information:							
	Funding						
Funding Source	Prior	FY2018 Requested	Future	Total			
Ad Valorem	\$145,000	\$185,000	\$0	\$330,000			
Total	\$145,000	\$185,000	\$0	\$330,000			

Project No: B099	Quality of Water Improvement Program (QWIP) for Plugging of Abandoned Wells						
Risk Level: Type 1	Project Category: W	ell Plugging					
Region: Southern							
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:			
		Description					
Description:	The FY2017-18 fundin Program (QWIP) which wells. Pursuant to Flo on the District's water percent of the well plu the annual maximum Over \$14 million has b	The FY2017-18 funding request is for the continuance of the District's Quality of Water Improvement Program (QWIP) which provides funding assistance to landowners for the proper abandonment of artesian wells. Pursuant to Florida Statutes. Ch. 373.206, any abandoned artesian well having a detrimental impact on the District's water resources must be properly plugged. The program reimburses landowners up to 100 percent of the well plugging costs in qualified counties. The maximum reimbursement per well is \$6,000, and the annual maximum per landowner is \$18,000. Approximately 200 wells are properly plugged each year. Over \$14 million has been reimbursed to landowners since the program's inception in 1974.					
Benefit:	The abandonment of improperly constructe insufficient casing dep and/or wasteful flow to	The abandonment of wells prevents the waste and contamination of potable water from deteriorated or improperly constructed water wells. Multiple aquifers can become interconnected from deteriorated or insufficient casing depths, waters of various qualities are allowed to mix, resulting in aquifer contamination and/or wasteful flow to the surface.					
Cost:	Total FY2018 request District: \$500,000	:: \$500,000					
	FY2018 funding will be used for: - District Grants: 200 well plug reimbursements to landowners (\$475,000) - Contracted Services for District Projects: Manatee and Sarasota County well abandonment oversight (\$25,000)						
		Evaluation					
Resource Benefit:	Many wells constructe enough casing or hav pressures. This allows well at land surface, r plug abandoned artes between aquifers and	ed before current well const e deteriorated casing that e s good water supplies to be esulting in significant waste sian wells found on their pro wasted water.	ruction standards were estab xposes several aquifers of va contaminated or have uncon of water. The QWIP provides perties which reduces cross o	lished either do not have rying water quality and trolled water flowing out of the an incentive to landowners to connection of water quality			
Cost Effectiveness:	Plugging of poorly dea to contaminated aquif landowners to abando	signed and deteriorating we ers and saltwater intrusion. on these wells and protects	Ils will prevent interconnection The QWIP reimbursement pr water quality within potable a	n of aquifers which could lead ogram provides an incentive to quifers.			
Project Readiness:	This is an ongoing lar	ndowner reimbursement pro	gram that will continue on Oc	tober 1, 2017.			
		Strategic Goals					
Strategic Initiatives:	- Water Quality Mainte	enance and Improvement					
Regional Priorities:	- Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.						
	1	Additional Informat	on				
Additional Information:	L						
		Funding					
Funding Source	Prior	FY2018 Request	ed Future	Total			
Ad Valorem	Annual Re	quest \$50	0,000 Annual Req	uest \$500,000			
Total	Annual Re	quest \$50	0,000 Annual Req	uest \$500,000			

Project No: H014	Lake Hancock Outfall Trea	atment System - Aerial Ima	agery				
Risk Level: Type 4	Project Category: Stormw	ater Improvements - Wate	er Quality				
Region: Heartland							
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:			
		Description					
Description:	This project is to collect aerial imagery twice per year at the Lake Hancock Outfall Treatment project to assess plant coverage, type, and condition in the constructed wetland. The Environmental Resource Permit (ERP) application submitted for the project to the Florida Department of Environmental Protection (FDEP) identified semi-annual aerial photography to monitor plant growth, coverage, and condition in the treatment wetland system. Given the size of the site and difficulty of inspecting the vegetation on the ground, aerial photography is the most cost effective method for monitoring the wetland. The information gathered will be used to guide maintenance and operation of the system.						
Benefit:	Aerial imagery will support of important water quality proje ultimately Charlotte Harbor,	Aerial imagery will support operational decisions for the Lake Hancock Outfall Treatment Project, an important water quality project operated by the District to reduce nitrogen loading to the Peace River and ultimately Charlotte Harbor, a Surface Water Improvement and Management (SWIM) priority water body.					
Cost:	Total FY2018 request: \$12,000 District: \$12,000						
Evaluation							
Resource Benefit:	The Resource Benefit is the efficiency in the wetland.	The Resource Benefit is the operational guidance derived from the aerial imagery to optimize treatment efficiency in the wetland.					
Cost Effectiveness:	The budget request is consi	The budget request is consistent with the cost of aerial imagery collected for other similar District projects.					
Project Readiness:	Project is ready to begin Oc	tober 1, 2017.					
		Strategic Goals					
Strategic Initiatives:	 Water Quality and Assessn Water Quality Maintenance 	nent Planning and Improvement					
Regional Priorities:	- Implement Minimum Flow a - Improve Charlotte Harbor,	and Level (MFL) Recovery St Sarasota Bay and Shell/Prair	rategies. ie/Joshua creeks.				
		Additional Information					
Additional Information:	The Lake Hancock Outfall Treatment project is a District initiative aimed at improving water quality in the Peace River and protecting Charlotte Harbor, a SWIM program priority water body. In February 2006 the Governing Board approved utilizing treatment wetlands to achieve a goal of a 27 percent annual nitrogen load reduction in discharges from Lake Hancock. Construction of the 1,000-acre treatment wetland was completed in June 2014. Operation has focused on promoting growth and recruitment of emergent wetland vegetation. A dense stand of vegetation is paramount to achieving nutrient load reductions.						
		Funding					
Funding Source	Prior	FY2018 Requested	Future	Total			
Ad Valorem	Annual Request	\$12,000	Annual Request	\$12,000			
Total	Annual Request	\$12,000	Annual Request	\$12,000			

Project No: W471	Three Sisters Springs Wetland Treatment					
Risk Level: Type 4	Project Category: Stormw	Project Category: Stormwater Improvements - Water Quality				
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	Consultant services to provi	de maintenance to the treat	ment wetland as needed.			
Benefit:	The Three Sisters Springs t Improvement and Managen hammock area (1 acre) is ir related impacts.	The Three Sisters Springs treatment wetland project is within the Crystal River/Kings Bay Surface Water mprovement and Management (SWIM) priority water body area. The treatment wetland (6 acres) and hydric nammock area (1 acre) is in need of quarterly site maintenance to manage invasive plant species and storm related impacts				
Cost:	Total project cost: \$668,149 District: \$668,149 with \$658 maintenance, and \$10,000	Total project cost: \$668,149 District: \$668,149 with \$658,149 budgeted in previous years for design, permitting, construction, and maintenance, and \$10,000 requested in FY2018 for additional maintenance.				
		Evaluation				
Resource Benefit:	Maintenance of the wetland related impacts.	to avoid invasive vegetation	n domination and address a	ny hurricane or storm		
Cost Effectiveness:	Cost is consistent with past	budgeted funds.				
Project Readiness:	The project is ready to begin	n on or before December 1,	2017.			
		Strategic Goals				
Strategic Initiatives:	 Water Quality Maintenance Conservation and Restorat 	and Improvement				
Regional Priorities:	- Improve northern coastal s	oring systems.				
		Additional Information				
Additional Information:						
Funding						
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$658,149	\$10,000	\$0	\$668,149		
Total	\$658,149	\$10,000	\$0	\$668,149		

Project No: P230		Tsala Apopka Orange State Canal Conveyance Improvement						
Risk Level: Type 4		Project Category: Storm	water Improvements - Impl	ementation of Storage & 0	Conveyance BMPs			
Region: Northern	1							
Areas of Responsib	bility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection: X			
			Description					
Descrip	otion:	The Tsala Apopka Chain-c and leakage downward to Withlacoochee River. The Orange State Canal which project will provide convey	The Tsala Apopka Chain-of-Lakes has a history of low water due to naturally high evapotranspiration (ET) and leakage downward to the Floridan Aquifer. This highly-altered system is dependent on inflows from the Withlacoochee River. The Withlacoochee River Watershed Initiative identified sediment build-up in the Orange State Canal which limits the District's ability to operate the Floral City Structure. This construction project will provide conveyance improvements in this canal.					
Bei	nefit:	These improvements will e Tsala Apopka Chain-of-La adopted lake minimum flov additional recharge to the	These improvements will enhance the District's ability to convey water between the Withlacoochee River and Tsala Apopka Chain-of-Lakes, meeting the District's Structure Operation Guidelines, helping to maintain adopted lake minimum flows and minimum water levels (MFLs), while providing flood protection, and additional recharge to the coastal springs.					
	Cost:	Total Project Cost: \$120,00 District: \$120,000	00					
			Evaluation					
Resource Be	nefit:	Implementation of this project will increase the District's ability to operate the Floral City Structure in this canal, thereby increasing the effectiveness of available river inflows to offset low lake levels and meet adopted lake MFLs. This will also allow the District to meet its Structure Operational Guidelines. An additional benefit is increased recharge to the coastal springs through additional leakage to the underlying Eloridan Aquifer.						
Cost Effectiver	ness:	Project costs are based on estimates from Field Operations for similar work.						
Project Readir	ness:	Project is ready to begin or	n or before December 1, 201	7.				
			Strategic Goals					
Strategic Initiat	tives:	 Minimum Flows and Levels (MFL) Establishment and Recovery Conservation and Restoration Floodplain Management Emergency Flood Response 						
Regional Prior	ities:	- Improve northern coastal	spring systems.					
			Additional Information					
Additional Informa	ation:	Information collected through Withlacoochee River Watershed Initiative field work and simulation results of scenario #12 of the Withlacoochee Model identified a sandbar constriction between the Withlacoochee River and the Floral City Structure on the Orange State Canal. This high spot in the canal is the result of sediment buildup over time and is currently higher than the invert of the Floral City Structure, limiting the District's ability to convey water into the Tsala Apopka Chain-of-Lakes when this structure is open.						
			Funding					
Funding Source	e	Prior	FY2018 Requested	Future	Total			
Ad Valorem		\$0	\$120,000	\$0	\$120,000			
Total		\$0	\$120,000	\$0	\$120,000			

Project No: P231	Tsala Apopka Golf Course Structure Modification						
Risk Level: Type 4	Project Category:	Stormv	ater Improven	nents - Imple	ementation of Storage &	Conveyance BMPs	
Region: Northern							
Areas of Responsibility:	Water Supply:		Water Quality:		Natural Systems: X	Flood Protection: X	
			Descript	ion			
Description:	Structure Operation River to be equally water flowing betwee Watershed Initiative during both low wat This project include	Structure Operation Guidelines for the Tsala Apopka Chain-of-Lakes require inflows from the Withlacoochee River to be equally shared between the three pools. The golf course structure is the main conveyance for water flowing between the Floral City and Inverness Pools of Tsala Apopka. The Withlacoochee River Watershed Initiative identified this structure as the limiting factor when passing water through the system, during both low water times when water is needed and during flooding conditions when water must be let out. This project includes design and feasibility work to increase the flow capacity of the golf course structure.					
Benefit:	Increasing the capa between the three p in flood protection w levels (MFLs).	city of the old of the	nis structure will Tsala Apopka, a a lake chain, an	allow the Di allow for mor d help mainta	strict to more efficiently sha e efficient releases during ain adopted lake minimum	are available river inflows nigh water times to assist flows and minimum water	
Cost:	Total Project Cost: 5 District: \$120,000 * Based on the feas	\$120,00	0 nd preliminary d	esign results	, Structure Operations will	plan for additional funding	
	in future years for c	onstruct	ion and implem	entation.			
			Evaluati	on			
Resource Benefit:	Implementation of this project will increase the District's ability to equally share river inflows between the three pools of Tsala Apopka, helping to meet adopted lake MFLs in the lower two pools. Greater flow to the downstream pools will also enhance the District's ability to recharge Two-Mile Prairie which provides flow to the Floridan Aquifer and ultimately the coastal springs. During high water conditions, increased flow capacity will allow for greater releases back to the river to assist in floed protection within the lakes.						
Cost Effectiveness:	Projects costs are c	onsiste	nt with design a	nd feasibilty	of previous projects.		
Project Readiness:	Project is ready to b	egin on	or before Dece	mber 1, 201 ⁻	7.		
			Strategic C	Boals			
Strategic Initiatives:	itiatives: - Minimum Flows and Levels (MFL) Establishment and Recovery - Conservation and Restoration - Floodplain Management - Fmergency Flood Response						
Regional Priorities:	- Improve northern c	oastal s	pring systems.				
			Additional Info	ormation			
Additional Information:	Model results from scenario #13 of the District's Withlacoochee River Watershed Initiative identified the golf course structure as undersized for conveying the necessary flows through the Tsala Apopka Chain-of-Lakes. This affects the District's Structure Operational Guideline requirements for equally sharing inflows from the river between the three pools. Adequate outflows are also limited by this structure during high water times when the structure is operated to help prevent flooding.						
			Fundin	g			
Funding Source	Prior		FY2018 Re	quested	Future	Total	
Ad Valorem		\$0		\$120,000	\$0	\$120,000	
Total		\$0		\$120,000	\$0	\$120,000	

Project No: H407	Lower Hillsborough River	Recovery Strategy BMP I	mplementation			
Risk Level: Type 4	Project Category: Restora	tion Initiatives				
Region: Tampa Bay						
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:		
		Description				
Description:	Implement water quality bes recovery strategy defined in	t management practices (B 40D-8.041 FAC.	MPs) in the Lower Hillsbord	ough River, as part of the		
Benefit:	This project will allow impler River recovery strategy.	mentation of BMPs identified	d in past studies as part of t	he Lower Hillsborough		
Cost:	Total project cost: \$50,000 District: \$50,000					
Evaluation						
Resource Benefit:	The benefit of this project is	The benefit of this project is the expected water quality improvement to the Lower Hillsborough River.				
Cost Effectiveness:	The cost for this project is w	ithin the range of similar pro	pjects performed in the pas	t.		
Project Readiness:	This project will be ready or	or before December 1, 201	7.			
		Strategic Goals				
Strategic Initiatives:	 Water Quality Maintenance Minimum Flows and Levels 	and Improvement (MFL) Establishment and R	ecovery			
Regional Priorities:	- Implement Minimum Flow a	and Level (MFL) Recovery St	rategies.			
		Additional Information				
Additional Information:						
Funding						
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$0	\$50,000	\$0	\$50,000		
Total	\$0	\$50,000	\$0	\$50,000		

Project No: P702	Homosassa Habitat Enhar	ncement				
Risk Level: Type 4	Project Category: Restora	Project Category: Restoration Initiatives				
Region: Northern						
Areas of Responsibility:	Water Supply:	Nater Quality:	Natural Systems: X	Flood Protection:		
		Description				
Description:	Continued monitoring, maint years of monitoring.	Continued monitoring, maintenance, and reporting of the floating wetland. This will be the second of three years of monitoring.				
Benefit:	Determine the water quality	and aquatic habitat benefits	s of floating wetlands deplo	yed in spring systems.		
Cost:	Total project cost: \$193,471 District: \$193,471 with \$128	Total project cost: \$193,471 District: \$193,471 with \$128,471 budgeted in prior years, and \$65,000 requested in FY2018.				
Evaluation						
Resource Benefit:	Evaluation of the water quality and aquatic habitat benefits of floating wetlands deployed in spring systems to determine if it is an effective best management practice.					
Cost Effectiveness:	Project costs are consistent	Project costs are consistent with other similar demonstration projects associated with Springs restoration.				
Project Readiness:	Project is ready to begin on	Project is ready to begin on or before December 1, 2017.				
		Strategic Goals				
Strategic Initiatives:	 Water Quality Maintenance Conservation and Restoration 	and Improvement on				
Regional Priorities:	- Improve northern coastal sp	oring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$128,471	\$65,000	\$0	\$193,471		
Total	\$128,471	\$65,000	\$0	\$193,471		

Project No: P707	Springs Aquatic Vegetation	on Restoration				
Risk Level: Type 4	Project Category: Restora	tion Initiatives				
Region: Northern						
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:		
		Description				
Description:	Ongoing pilot project to rest FY2018 include: fence desig	ore submerged aquatic veg gn, fence removal and re-ins	etation in District spring sys stallation, planting, monitori	stems. Activities for ng, and maintenance.		
Benefit:	Restoration of aquatic habita removal in District spring system	at and associated ecosyster stems.	m services such as sedime	nt stabilization and nutrient		
Cost:	Total project cost: \$1,542,48 District: \$1,542,481 with \$1,	Total project cost: \$1,542,481 District: \$1,542,481 with \$1,362,481 budgeted in prior years, and \$180,000 requested in FY2018.				
	Evaluation					
Resource Benefit:	This is a pilot project to dete within spring systems.	This is a pilot project to determine the feasibility of restoring aquatic vegetation in heavily degraded areas within spring systems.				
Cost Effectiveness:	Project costs are consistent	Project costs are consistent with similar District funded demonstration projects.				
Project Readiness:	Ongoing pilot project.					
		Strategic Goals				
Strategic Initiatives:	- Conservation and Restorati	on				
Regional Priorities:	- Improve northern coastal sp	oring systems.				
		Additional Information				
Additional Information:						
		Funding				
Funding Source	Prior	FY2018 Requested	Future	Total		
Ad Valorem	\$1,362,481	\$180,000	\$0	\$1,542,481		
Total	\$1,362,481	\$180,000	\$0	\$1,542,481		

Project No: W312	Tampa Bay Habitat Restoration						
Risk Level: Type 4	Project Category: Restoration Initiatives						
Region: Tampa Bay							
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:			
		Description					
Description:	I his project provides tunds for general support to Surface Water Improvement and Management (SWIM) habitat restoration efforts for Tampa Bay. Funds for this project allow for planning of future projects, and facilitate SWIM involvement with various environmental committees and task forces (e.g., various committees of the Tampa Bay Estuary Program, Tampa Bay Regional Planning Council, etc.). Previous fiscal year funds budgeted under this project have been used for: wetland and upland plants; non-native plant removal; limited earthmoving; construction management supplies; expenses associated with volunteer marsh planting events; supplementary archaeological, geotechnical, or topographic survey needs; field supplies; and requested project site tours and presentations for various environmental groups, scientific conference attendees, and governmental delegations.						
Benefit:	This project is important (TBEP). Coordination an of long term success of I	for meeting management goals d planning of existing and futur both programs.	s of SWIM and the Tampa E re habitat restoration project	Bay Estuary Program ts is a critical component			
Cost:	Total FY2018 request: \$ District: \$40,000	40,000					
	* Funding will be used for forces in support of restor	r coordination efforts with varic ration projects.	ous Tampa Bay environmen	tal committees and task			
		Evaluation					
Resource Benefit:	The SWIM Plan for Tam of this project are consis project utilizing these fur	ba Bay outlines goals to restore tent with these goals. Quantifia ds prior to implementation.	e habitat in the Tampa Bay ble resource benefits will be	watershed. The objectives e evaluated for each			
Cost Effectiveness:	Cost effectiveness will be Projects that are not cos	e evaluated, prior to implement t effective will not be implemen	ation, for each project propo ted.	osed to utilize these funds.			
Project Readiness:	The project is ready to be	The project is ready to begin October 1, 2017. Funds will be utilized on an as-needed basis.					
		Strategic Goals					
Strategic Initiatives:	- Conservation and Resto	ration					
Regional Priorities:	- Improve Lake Thonotos	assa, Tampa Bay, Lake Tarpon	and Lake Seminole.				
		Additional Information					
Additional Information:	: Tampa Bay is a SWIM program water body that was designated an estuary of national significance by the U.S. Congress in 1990. Since 1950, about 50 percent of the bay's natural shoreline and 40 percent of its seagrass acreage were lost as a result of physical destruction and water quality impairment. This resulted in a decline in the aesthetic, recreational, and commercial value of the bay, as well as a loss of habitat for native plants and animals. The SWIM Plan for Tampa Bay outlines goals to restore habitat and reduce pollutants entering Tampa Bay. The objectives of this project are consistent with these goals.						
		Funding					
Funding Source	Prior	FY2018 Requested	Future	Total			
Ad Valorem	Annual Reque	est \$40,000	Annual Request	\$40,000			
Total	Annual Reque	st \$40,000	Annual Request	\$40,000			

Project No: W352	Frog Creek Wetland Restoration at Terra Ceia						
Risk Level: Type 4	Project Category: R	Project Category: Restoration Initiatives					
Region: Tampa Bay							
Areas of Responsibility:	Water Supply:	Water Quality:	Х	Natural Systems: X	Flood Protection:		
		Description	on				
Description:	This multi-year Surface	e Water Improvement	and Manag	ement (SWIM) program i	nitiative consists		
	of hydrologic and hat	itat enhancement and	restoration (of approximately 100 acre of Erog Creek Tract in Ma	s of interconnected borrow		
	County. Proposed en	hancement of the borro	ow pits inclu	de creation of littoral zone	es and freshwater wetlands		
	and removal of invasi	ve, exotic vegetation.					
Benefit:	The project will provid	le enhancement and c	reation of fre	eshwater wetlands on Dis	trict owned land.		
	Tampa Bay Estuary F	Program.	ba bay have				
Cost:	Total project cost: \$1	900,000					
	future years.	ain \$150,000 requeste		s, and \$1,750,000 anticipa	led to be requested in		
	* Funding requested	n FY2018 will be used ction	for design a	and permitting of the proje	ct. Future funding will be		
		Evaluatio	n				
Resource Benefit:	Enhancement of fres	nwater wetlands in an t	he existing	approximately 100 acre b	orrow pits, including		
	approximately 37 acro completion of concept	es of freshwater wetlar tual design.	d creation.	Actual acreages will not b	e known until the		
Cost Effectiveness:	The habitat restoration involving a combination	n estimate (\$51,351/ac on of elements (excava	re) is below ition for wet	the average cost of historia to the initial of t	ric restoration activities otic species removal).		
Project Readiness:	Project is ready to be	gin October 1, 2017.					
		Strategic G	oals				
Strategic Initiatives:	- Conservation and Re	estoration					
Regional Priorities:	- Improve Lake Thonc	tosassa, Tampa Bay, L	ake Tarpon	and Lake Seminole.			
		Additional Info	rmation				
Additional Information:	Tampa Bay is a SWI	A priority water body th	at was desi	gnated an estuary of nation	nal significance by the U.S.		
	seagrass acreage we	re lost as a result of ph	rcent of the ivsical destr	bay's natural shoreline al	nd 40 percent of its mpairment. This resulted in		
	a decline in the aesth	a decline in the aesthetic, recreational, and commercial value of the bay, as well as a loss of habitat for					
	native plants and animals. The SWIM Plan for Tampa Bay outlines goals to restore habitat and reduce						
		Funding			unese yuais.		
Funding Source	Prior	FY2018 Red	uested	Future	Total		
Ad Valorem		\$0	\$150,000	\$1,750,000	\$1,900,000		
Total		\$0	\$150,000	\$1,750,000	\$1,900,000		

Project No: W353	Mobbly Bayou Habitat Re	storation		
Risk Level: Type 4	Project Category: Restora	ation Initiatives		
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This project will focus on the restoration and enhancement of tidal creeks and mangrove dominated tidal habitats to improve tidal circulation within the 380-acre Mobbly Bayou Preserve and Old Tampa Bay. The preserve is jointly owned by Pinellas County and the City of Oldsmar. Construction will occur via a combination of traditional techniques and hydroblasting to remove spoil mounds, create littoral shelves, and establish ditch blocks to restore natural hydrology and increase estuarine habitat. Pinellas County will be responsible for perpetual maintenance of the project.			
Benefit:	This restoration project will Water Improvement and Ma	improve tidal flow and restor anagement (SWIM) priority w	e habitat functions within C vater body.	Id Tampa Bay, a Surface
Cost:	Total project cost: \$1,100,000 (Final Design, Permitting, Construction) District: \$1,100,000 * The District has applied for \$200,000 of grant funding from the Tampa Bay Estuary Restoration Fund (TBERE). If awarded, this will reduce the District's share of the project cost			
	· · · ·	Evaluation	, ,	
Resource Benefit:	Restoration and enhancement of at least 50 acres of estuarine habitat in Tampa Bay, a SWIM priority water body and estuary of national significance.			
Cost Effectiveness:	The estimated cost/acre is I	pelow the historical average	of \$53,326 for natural syste	ems restoration.
Project Readiness:	The project is ready to begi	n on October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restorat	ion		
Regional Priorities:	- Improve Lake Thonotosass	sa, Tampa Bay, Lake Tarpon	and Lake Seminole.	
		Additional Information		
Additional Information:	Tampa Bay is a SWIM priority water body that was designated an estuary of national significance by the U.S. Congress in 1990. Since 1950, about 50 percent of the bay's natural shoreline and 40 percent of its seagrass acreage were lost as a result of physical destruction and water quality impairment. This resulted in a decline in the aesthetic, recreational, and commercial value of the bay, as well as a loss of habitat for native plants and animals. The SWIM plan for Tampa Bay outlines goals to restore habitat and reduce pollutants entering Tampa Bay. The objectives of this project are consistent with these goals.			
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$1,100,000	\$0	\$1,100,000
Total	\$0	\$1,100,000	\$0	\$1,100,000

Project No: W368	Kracker Avenue Restorat	ion			
Risk Level: Type 4	Project Category: Restora	ation Initiatives			
Region: Tampa Bay					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	The Kracker Avenue Resto Environmental Lands Mana scattered over 24.6 acres o freshwater, and upland hab restoration plan for this site underway. This funding req maintenance of the project.	The Kracker Avenue Restoration project is in cooperation with Hillsborough County Conservation and Environmental Lands Management Department. Encompassing approximately 235 abandoned fish ponds scattered over 24.6 acres of County owned land, the project will restore a mosaic of coastal estuarine, freshwater, and upland habitats. District and Hillsborough County staff have worked together to develop a restoration plan for this site. Hillsborough County is responsible for final design plans and permitting which is underway. This funding request is for construction. Hillsborough County will be responsible for perpetual maintenance of the project.			
Benefit:	This project is important in meeting management plan goals of Surface Water Improvement and Management (SWIM) and the Tampa Bay Estuary Program. The project will restore natural systems within the Tampa Bay coastal ecosystem. In addition, the project will restore the site's local hydrology/sheetflow characteristics and will directly link to and complement the adjacent SWIM/County Pt. Redwing Ecosystem Restoration Project of 2004 (aka the "Fred and Idah Schultz Nature Preserve").				
Cost:	Total project cost: \$1,250,000 (Construction) District: \$1,250,000 with \$255,000 budgeted in prior years, and \$995,000 requested for FY2018.				
	* Hillsborough County is rea	sponsible for providing final o	design plans and permits.		
		Evaluation			
Resource Benefit:	This project will create/restore/enhance up to approximately 24 acres of natural systems. Including approximately 7-10 acres of estuarine habitats and approximately 14-17 acres of tidal creek/freshwater wetland and upland habitats.				
Cost Effectiveness:	The estimated cost/acre is	below the historical average	of \$53,326 for natural syste	ems restoration.	
Project Readiness:	Project is ready to begin on	Project is ready to begin on October 1, 2017.			
		Strategic Goals			
Strategic Initiatives:	- Conservation and Restorat	tion			
Regional Priorities:	- Improve Lake Thonotosass	sa, Tampa Bay, Lake Tarpon	and Lake Seminole.		
		Additional Information			
Additional Information:	Tampa Bay is a SWIM priority water body that was designated an estuary of national significance by the U.S. Congress in 1990. Since 1950, about 50 percent of the bay's natural shoreline and 40 percent of its seagrass acreage were lost as a result of physical destruction and water quality impairment. This resulted in a decline in the aesthetic, recreational, and commercial value of the bay, as well as a loss of habitat for native plants and animals. The SWIM Plan for Tampa Bay outlines goals to restore habitat and reduce pollutants entering Tampa Bay. The objectives of this project are consistent with these goals.				
Funding					
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$255,000	\$995,000	\$0	\$1,250,000	
Total	\$255,000	\$995,000	\$0	\$1,250,000	

Project No: W431	Three Sisters Springs Car	nal Shoreline Stabilization	Feasibility Study	
Risk Level: Type 4	Project Category: Restora	tion Initiatives		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This project will complete a property edge adjacent to the	feasibility study for the bank ne canals.	stabilization along the Thr	ee Sisters Springs
Benefit:	The results of this project w for shoreline stabilization.	ill identify a preliminary cons	struction cost estimate and	conceptual design plans
Cost:	Total project cost: \$100,000 District: \$100,000			
		Evaluation		
Resource Benefit:	The resource benefit of this study is the habitat improvement that will result from the reduction in erosion along the shoreline.			
Cost Effectiveness:	The cost of this project is co	ost effective compared with	other projects of this scope	
Project Readiness:	Project is ready to begin on	or before October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restoration	ion		
Regional Priorities:	- Improve northern coastal sp	oring systems.		
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$100,000	\$0	\$100,000
Total	\$0	\$100,000	\$0	\$100,000

Project No: W447	Three Sisters Spring	s Bank Stabilization		
Risk Level: Type 4	Project Category: Re	storation Initiatives		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This project will allow t construction.	for maintenance on the re	cently completed Three Sisters	Springs Bank Stabilization
Benefit:	The Three Sisters Spr Improvement and Mar maintenance to manage	The Three Sisters Springs bank stabilization project is within the Crystal River/Kings Bay Surface Water Improvement and Management (SWIM) priority water body area. The bank stabilization area is in need of maintenance to manage post construction tasks.		
Cost:	Total project cost: \$700,794 District: \$419,783 with \$369,783 budgeted in prior years for construction, and \$50,000 requested in FY2018 for construction maintenance. FDEP: \$281.011 budgeted in prior years for design, permitting and construction.			
		Evaluation		
Resource Benefit:	The resource benefit of shoreline.	of this project is the impro	ed water quality and habitat free	om reduced erosion along the
Cost Effectiveness:	The cost of this projec	t is cost effective compar	ed with other projects of this sc	ope.
Project Readiness:	Project is ready to beg	in on or before October 1	, 2017.	
		Strategic Goal		
Strategic Initiatives:	- Conservation and Res	storation		
Regional Priorities:	- Improve northern coa	stal spring systems.		
		Additional Informa	tion	
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Reque	sted Future	Total
Florida Department of Environmental Protection	\$281	,011	\$0	\$0 \$281,011
Ad Valorem	\$369	,783 \$	50,000	\$0 \$419,783
Total	\$650	,794 \$	50,000	\$0 \$700,794

Project No: WS02	Living Shoreline Oyster Habitat Feasibility Study			
Risk Level: Type 4	Project Category: Restora	tion Initiatives		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This project will complete a living shoreline projects to ir	feasibility study to identify s mprove water quality and ha	uitable locations for oyster l	nabitat creation as part of
Benefit:	The results of this project w	ill identify suitable locations	for oyster habitat creation.	
Cost:	Total project cost: \$75,000 District: \$75,000			
		Evaluation		
Resource Benefit:	The resource benefit of this study is the water quality and habitat improvement if the projects identified are implemented.			
Cost Effectiveness:	The cost of this project is cost effective compared with other projects of this scope.			
Project Readiness:	Project is ready to begin on	or before October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	 Water Quality Maintenance Conservation and Restoration 	and Improvement		
Regional Priorities:	- Improve northern coastal sp	pring systems.		
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$75,000	\$0	\$75,000
Total	\$0	\$75,000	\$0	\$75,000

Project No: WW04	Weeki Wachee River Ch	annel Restoration		
Risk Level: Type 4	Project Category: Resto	ration Initiatives		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	Design and implement ac balance of the Weeki Wa channel restoration.	tions that will restore, maintain chee River. These actions ma	n and preserve the natural s y include bank stabilization,	systems ecological sediment removal, and
Benefit:	Preservation and enhance and reduction of sedimen	ement of submerged aquatic v t and muck suspension.	regetation and benthic habit	tat, improved navigability,
Cost:	Total project cost: \$6,000,000 State Appropriation: \$400,000 requested in FY2018 for design and permitting. District: \$5,600,000 anticipated to be requested in future years for construction.			
		Evaluation		
Resource Benefit:	Preservation and enhance and reduction of sedimen	ement of submerged aquatic v t and muck suspension.	vegetation and benthic habit	tat, improved navigability,
Cost Effectiveness:	Cost appears to be consist	stent with other similar project	S.	
Project Readiness:	Project is ready to begin of	on or before December 2017.		
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restor	ation		
Regional Priorities:	- Improve northern coasta	spring systems.		
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
State Appropriation	\$0	\$400,000	\$5,600,000	\$6,000,000
Total	\$0	\$400,000	\$5,600,000	\$6,000,000

Project No: D036	Hidden Harbour			
Risk Level: Type 1	Project Category: FDO	T Mitigation		
Region: Southern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This request is to constru- wetland monitoring repo- Engineers (USACE) peru	uct a one-acre freshwate ts of the FDOT Hidden F nits.	wetland for compliance requiarbour mitigation site as requ	irements and to conduct ired by US Army Corps of
Benefit:	The Hidden Harbour FD associated with multiple monitoring reports as rec	DT mitigation project pro FDOT roadway projects. juired by USACE permits	vides wetland mitigation to off The FY2018 funding reques	set wetland impacts is to conduct semi-annual
Cost:	Total project cost: \$688, FDOT: \$688,575 with \$6	575 63,575 budgeted in prior	years.	
		Evaluation		
Resource Benefit:	This project benefits natural systems by replacing wetland function lost as a result of FDOT road construction projects.			
Cost Effectiveness:	This project is cost effec	ive based on previous co	osts of monitoring reports for	his site.
Project Readiness:	The mitigation project is	being constructed and th	e wetland monitoring is ready	to be conducted.
		Strategic Goals		
Strategic Initiatives:	- Conservation and Resto	ration		
Regional Priorities:	- None.			
		Additional Informati	on	
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Request	ed Future	Total
Florida Department of Transportation	\$663,57	5 \$2	i,000	\$0 \$688,575
Total	\$663,57	5 \$2	5,000	\$0 \$688,575

Project No: D040	FDOT Mitigation Maintenance and Monitoring			
Risk Level: Type 1	Project Category: FDOT N	litigation		
Region: Districtwide				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	The request is to continue n District to provide mitigation	naintenance and monitoring for FDOT roadway projects	of approximately 27 projec	ts constructed by the
Benefit:	The FDOT mitigation project FDOT roadway projects. The maintenance activities to ac	ts provide wetland mitigation the funding requested is to con- hieve compliance as require	n to offset wetland impacts onduct wetland monitoring r ed by US Army Corps of En	associated with multiple reports and necessary gineers (USACE) permits.
Cost:	Total FY2018 request: \$1,300,000 FDOT: \$1,300,000			
		Evaluation		
Resource Benefit:	This project benefits natural projects.	systems by replacing wetla	nd function lost as a result	of FDOT road construction
Cost Effectiveness:	This project is cost effective mitigation sites.	based on previous costs of	monitoring reports and ma	intenance for FDOT
Project Readiness:	Monitoring and maintenance	e of these mitigation projects	s are ongoing.	
	_	Strategic Goals		
Strategic Initiatives:	- Conservation and Restorat	ion		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Florida Department of Transportation	Annual Request	\$1,300,000	Annual Request	\$1,300,000
Total	Annual Request	\$1,300,000	Annual Request	\$1,300,000

Project No: D061	Coquina Seagrass Mitiga	tion		
Risk Level: Type 1	Project Category: FDOT N	litigation		
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	This request is to conduct v required by US Army Corps	vetland monitoring reports or of Engineers permits.	f the FDOT Coquina Seagra	ass Mitigation site as
Benefit:	The Coquina Seagrass FDC associated with a single FD project.	OT mitigation project provide OT roadway project. The F	es wetland mitigation to offs Y2018 funding requested is	et wetland impacts to design and permit the
Cost:	Total project cost: \$125,000 FDOT: \$125,000			
		Evaluation		
Resource Benefit:	This project benefits natura construction projects.	This project benefits natural systems by replacing seagrass function lost as a result of FDOT road construction projects.		
Cost Effectiveness:	This project is cost effective based on previous costs of monitoring reports for this site.			
Project Readiness:	The mitigation project is cor	nceptual and will be designe	d and permitted in this phas	se.
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restorat	ion		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Florida Department of Transportation	\$0	\$125,000	\$0	\$125,000
Total	\$0	\$125,000	\$0	\$125,000

Project No: D999	Program Development,	Planning & Support		
Risk Level: Type 1	Project Category: FDOT	Mitigation		
Region: Districtwide				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	Program development, pla for administrative costs ar	nning, and support for all FD d programmatic work.	OT Mitigation projects. This	request provides funding
Benefit:	The FDOT mitigation projects.	ects provide wetland mitigatio The funding requested is for a	n to offset wetland impacts dministrative costs and prog	associated with multiple grammatic work.
Cost:	Total FY2018 request: \$5 FDOT: \$52,000	2,000		
		Evaluation		
Resource Benefit:	This project benefits natur projects.	al systems by replacing wetla	nd function lost as a result	of FDOT road construction
Cost Effectiveness:	This project is cost effective mitigation sites.	e based on previous costs of	monitoring reports and ma	intenance for FDOT
Project Readiness:	Monitoring and maintenan	ce of these mitigation project	s are ongoing.	
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restor	ation		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Florida Department of Transportation	Annual Reques	t \$52,000	Annual Request	\$52,000
Total	Annual Reques	t \$52,000	Annual Request	\$52,000

Project No: SA89	Rainbow Springs Ground	Cover Restoration		
Risk Level: Type 1	Project Category: Land M	anagement & Use		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	Ground cover restoration is Ranch parcel on the Rainbo habitat qualities consistent	proposed for approximately ow River. Current vegetative with natural systems of the a	100 acres within the newly conditions of the site are harea.	acquired Rainbow River ighly altered and lack
Benefit:	The project benefit will be the improved water quality and	ne restoration of natural san natural systems.	dhill and mesic flatwoods c	ommunities resulting in
Cost:	Total project cost: \$120,000 District: \$120,000			
		Evaluation		
Resource Benefit:	The benefits will be the restoration of natural sandhill and mesic flatwoods communities resulting in improved water quality and natural systems.			
Cost Effectiveness:	Project costs are appropriate for the project scope and are comparable to similar projects conducted in the recent past.			
Project Readiness:	This project is subject to final acquisition of the Rainbow River Ranch parcel. The project could begin on or before March 1 of the fiscal year the funding is being requested subject to the acquisition.			project could begin on or uisition.
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restorat	ion		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Land Acquisition Trust Fund	\$0	\$120,000	\$0	\$120,000
Total	\$0	\$120,000	\$0	\$120,000

Project No: SB06	Flying Eagle Nature Center	er			
Risk Level: Type 1	Project Category: Land M	lanagement & Use			
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	This project is for the demo except for three metal build The Governing Board appr approval on December 13,	lition and removal of the stru ings/warehouses to be used oved the demolition, surplus 2016.	Inctures at the Flying Eagle I by staff for field storage or or auction of all facilities un	Nature Center (FENC), maintenance purposes. nder the Consent Agenda	
Benefit:	The project is to remove the	e FENC structures where all	major facilities are in struct	ural disrepair.	
Cost:	Total project cost: \$150,000 District: \$150,000)			
		Evaluation			
Resource Benefit:	This project benefits the na	tural restoration of the prope	rty.		
Cost Effectiveness:	The costs for this project are appropriate based on the scope of the work to be completed. Staff are in discussion with an auction service to determine which buildings or building materials may be worthy of salvage. Prior to the adoption of the final budget, staff will utilize an auction service in an attempt to sell buildings or building materials which would reduce the final demolition costs. The budget request will be amended accordingly based on the success of the auction process.				
Project Readiness:	Project is ready to begin on	or before December 1, 201	7.		
		Strategic Goals			
Strategic Initiatives:	- Conservation and Restorat	ion			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:	Staff obtained an asbestos survey and structural assessment of the facilities. The structural assessment found that all major facilities are in structural disrepair. Based on the results of the asbestos survey that identified that much of the structures had Asbestos Containing Material (ACM), staff procured services for ACM remediation and all ACMs have been removed from the structures. This was necessary to move forward with future demolition. No structural repairs have been made.				
Eunding Source					
Ad Valorom			Future	10tal \$150.000	
	\$U \$0	\$150,000	\$U	\$150,000	
l otal	\$0	\$150,000	\$0	\$150,000	
Project No: SC33	Halpata Herbicide	Hardwood Reduct	ion		
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Risk Level: Type 1	Project Category:	Land Management	& Use		
Region: Northern					
Areas of Responsibility:	Water Supply:	Water Qual	ty:	Natural Systems: X	Flood Protection:
		Desc	ription		
Description:	Funds are for enhar treatment in Hálpata encroachment into r reduction approach techniques were nor herbicide to reduce both above ground a	treatment in Hálpata Tastanaki Preserve. This project is designed to reduce hardwood (mostly oak) encroachment into natural sandhill communities. Historically the District would use a mechanical vegetation reduction approach when reducing hardwoods in sandhill or scrub communities. These mechanical techniques were not an effective long term solution and allowed regrowth of hardwoods to occur. The use of herbicide to reduce hardwood encroachment will eliminate the unintended response by selectively eliminating both above ground and below ground growth of hardwoods.			
Benefit:	The project benefit will also	will be to restore the allow for greater a	natural sandhil pility to conduct	I habitat through the reduct prescribed fires and meet p	ion of oak encroachment. prescribed fire objectives.
Cost:	Total project cost: \$24,000 District: \$24,000				
		Eval	uation		
Resource Benefit:	This project is desig enhancing the asso	ned to reduce hard ciated ecology and	wood (mostly oa water resource	ak) encroachment into natur benefits.	ral sandhill communities
Cost Effectiveness:	The herbicide treatn Additionally, the he project objectives.	nent costs are appr rbicide technique is	opriate based or roughly half the	n experience on similar proj cost of mechanical and is	ects in the past. more effective at meeting
Project Readiness:	Project is not expec	ted to begin until af	er March 1, 201	8.	
		Strateg	ic Goals		
Strategic Initiatives:	- Conservation and F	Restoration			
Regional Priorities:	- None.				
		Additional	Information		
Additional Information:					
		Fur	ding		
Funding Source	Prior	FY2018	Requested	Future	Total
Land Acquisition Trust Fund		\$0	\$24,000	\$0	\$24,000
Total		\$0	\$24,000	\$0	\$24,000

Project No: SD33	Halpata Ground Cover Re	storation		
Risk Level: Type 1	Project Category: Land M	anagement & Use		
Region: Northern				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:
		Description		
Description:	the altered nature of some areas of this Preserve resulting from past attempts to establish improved pasture on former sandhill sites, phased restoration of 3-4 blocks is proposed to re-establish sandhill ground cover. Prior to December 2017 the District will contract for harvest and storage of native sandhill seed for up to 35 acres. In early summer, the District will contract to have the entire site sprayed with herbicide to kill bahia; follow up spray treatments are anticipated. The site will be disked and seeded. Additional sites will be treated similarly over the next 2 years.			
Benefit:	The project benefits will be the restoration of imperiled sandhill communities resulting in improved water quality and natural systems.			
Cost:	Total project cost: \$114,000 District: \$114,000			
		Evaluation		
Resource Benefit:	This project will restore ecol the Natural Systems area of	This project will restore ecological benefits to the overall system with a focus on upland components under the Natural Systems area of responsibility.		
Cost Effectiveness:	Project costs are appropriat	e for the project scope and	are comparable to past sim	ilar projects.
Project Readiness:	Project to begin on or before	e December 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	- Conservation and Restoration	ion		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Land Acquisition Trust Fund	\$0	\$114,000	\$0	\$114,000
Total	\$0	\$114,000	\$0	\$114,000

Project No: SF08	Green Swamp West Sand	Ihill Restoration			
Risk Level: Type 1	Project Category: Land M	lanagement & Use			
Region: Tampa Bay	1				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection:	
		Description			
Description:	The project is for the enhart treatment in 140 acres of th (mostly oak) encroachment mechanical vegetation redu These mechanical techniqu occur. The use of herbicide above ground and below g	treatment in 140 acres of the Green Swamp West property. This project is designed to reduce hardwood (mostly oak) encroachment into natural sandhill communities. Historically, the District would use a mechanical vegetation reduction approach when reducing hardwoods in sandhill or scrub communities. These mechanical techniques were not an effective long term solution and allowed regrowth of hardwoods to occur. The use of herbicide to reduce hardwood encroachment will be more effective by eliminating both above ground and below ground growth of hardwoods.			
Benefit:	The project benefit will be t This project will also allow	The project benefit will be to restore the natural sandhill habitat through the reduction of oak encroachment. This project will also allow for greater ability to conduct prescribed fires and meet prescribed fire objectives			
Cost:	Total project cost: \$93,500 District: \$93,500 with \$66,5	00 budgeted in prior years,	and \$27,000 requested in F	Y2018.	
		Evaluation			
Resource Benefit:	The benefit is the enhanced Swamp West property. This sandhill communities enhanced	The benefit is the enhancement of a sandhill system by reducing mid-story shrubs in 140 acres of the Green Swamp West property. This project is designed to reduce hardwood (mostly oak) encroachment into natural sandhill communities enhancing the associated ecology and water resource benefits.			
Cost Effectiveness:	The herbicide treatment co Additionally, the herbicide t project objectives.	sts are appropriate based or echnique is roughly half the	n experience on similar proj cost of mechanical and is n	ects in the past. hore effective at meeting	
Project Readiness:	Project is not expected to b	egin until after March 1, 201	8.		
	_	Strategic Goals			
Strategic Initiatives:	- Conservation and Restora	tion			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
Funding					
Funding Source	Prior	FY2018 Requested	Future	Total	
Land Acquisition Trust Fund	\$66,500	\$27,000	\$0	\$93,500	
Total	\$66,500	\$27,000	\$0	\$93,500	

Project No: SJ09	Serenova Divide Hydrolog	gic Restoration			
Risk Level: Type 1	Project Category: Land M	anagement & Use			
Region: Tampa Bay					
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:	
		Description			
Description:	This project will restore and Starkey boundary. The project implement control measures design and permitting.	enhance an area of erosior ect will identify design and p s to prevent similar impacts	in the Starkey Preserve all ermit options for the recover in the future. The FY2018 for the FY2018 for the future.	ong the Serenova and ry of the erosion and unds will be used for	
Benefit:	This project will restore imp project will provide construct as, implement methods to li will improve the natural she	This project will restore impacts on the wetlands and natural communities. The evaluation and design of this project will provide construction options that will both recover the existing damage caused by erosion, as well as, implement methods to limit this from occurring in the future. The restoration of the hydrology in this area will improve the natural sheetflow and water quality downstream.			
Cost:	Total project cost: \$325,000 District: \$325,000 with \$75, Construction cost estimates	Total project cost: \$325,000 (Design, permitting and construction) District: \$325,000 with \$75,000 requested in FY2018, and \$250,000 anticipated to be requested in FY2019.			
	FY2018.			accigin le completed m	
	1	Evaluation			
Resource Benefit:	This project will significantly Anclote River. It is intended transitional wetlands and re natural functioning wetlands season which can lead to re also limit sedimentation into	This project will significantly improve the water quality in the Cross Cypress Branch which feeds into the Anclote River. It is intended to restore areas that have significant erosion, restore the natural sheetflow in the transitional wetlands and restore the natural flow path to several large cypress swamps. This will create more natural functioning wetlands and alleviate issues with some wetlands not receiving proper flow during the wet season which can lead to recovery of natural community types. The recovery of the natural hydrology will also limit and important into wetlands from the unload communities.			
Cost Effectiveness:	Cost is appropriate based o	n past experiences on simila	ar projects.		
Project Readiness:	The project is ready to begin	n on or before December 1,	2017.		
	1	Strategic Goals			
Strategic Initiatives:	- Water Quality Maintenance - Conservation and Restorat	and Improvement			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Land Acquisition Trust Fund	\$0	\$75,000	\$250,000	\$325,000	
Total	\$0	\$75,000	\$250,000	\$325,000	

Project No: B67H	Structure Gate System Upgrade Program				
Risk Level: Type 1	Project Category: Struc	ture Operation & Maintenan	ice		
Region: Tampa Bay					
Areas of Responsibility:	Water Supply: Water Quality: Natural Systems: Flood Protection: X				
	Description				
Description:	This project is to design a Canal structures: S155, Army Corp of Engineers uses oil to pressurize one at the time. The newer te	This project is to design a drum and cable lift mechanisms to replace the cylinders on the Tampa Bypass Canal structures: S155, S159, S161, S162, S160. The flood control structures were constructed by the US Army Corp of Engineers (USACE) in the late 1970s. The gates are operated by hydraulic cylinders which uses oil to pressurize one side of the cylinder to lift or lower the gate. This was the best technology available at the time. The newer technology which is drum and cable systems is more reliable and repeatable.			
Benefit:	The benefit of this project necessary maintenance.	is to improve the reliability an	nd repeatability of gate	operations and to decrease the	
Cost:	Total project cost: \$100,000 District: \$100,000				
		Evaluation			
Resource Benefit:	The project will improve t	The project will improve the control of flood water conveyance.			
Cost Effectiveness:	The project cost is appropriate the project cost is appropriat	priate for the project scope an	d comparable to other	projects conducted in the past.	
Project Readiness:	The project is ready to be	gin on or before December 1	st of the fiscal year the	funding is being requested.	
		Strategic Goals			
Strategic Initiatives:	- Emergency Flood Respo	nse			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Reque	\$100,000	Annual Re	quest \$100,000	
Total	Annual Reque	st \$100,000	Annual Re	quest \$100,000	

Project No: B870	Flood Control Structure	Evaluation and Replaceme	nt Plan		
Risk Level: Type 1	Project Category: Structu	ure Operation & Maintenan	ce		
Region: Districtwide					
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems: X	Flood Protection: X	
	-	Description			
Description:	The District monitors and c and other systems. Eightee the critical structures for pr are at or past their original budget for their repair or re supporting analyses neces structures.	and other systems. Eighteen (18) of the structures are considered flood control structures. As such, they are the critical structures for preservation of health and welfare in many communities. Many of these structures are at or past their original life expectancy and need major repairs or replacement. In order to plan and budget for their repair or replacement, a consultant will develop a program to conduct the assessments and supporting analyses necessary to produce a 5-year, 10-year, 15-year and 20-year budget plan for these structures.			
Benefit:	To develop a plan for budg repairs can be absorbed ov	To develop a plan for budgeting major repairs or replacement of flood control structures so that cost of the repairs can be absorbed over a longer period of time.			
Cost:	Total project cost: \$370,879 District: \$370,879 with \$340,879 budgeted in previous years, and \$30,000 requested in FY2018.				
		Evaluation			
Resource Benefit:	This project resource bene major flood event can be m	fit is to maintain the flood con ninimized with the operation of	ntrol structures such that the of the District's flood control	e flood damage during a structures.	
Cost Effectiveness:	The project costs are appro the past.	opriate for the project scope	and comparable to other sir	milar projects conducted in	
Project Readiness:	Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.				
		Strategic Goals			
Strategic Initiatives:	 Floodplain Management Emergency Flood Respon 	se			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$340,879	\$30,000	\$0	\$370,879	
Total	\$340,879	\$30,000	\$0	\$370,879	

Project No: B872	Structure S-159 Major Rep	pairs		
Risk Level: Type 1	Project Category: Structu	re Operation & Maintenan	ce	
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems:	Flood Protection: X
	•	Description		
Description:	Ine project is to design a repair for the wingwalls and dissipation blocks at the S-159 structure which is part of the Tampa Bypass Canal (TBC). The Lower Hillsborough Flood Detention Area (LHFLDA) and the TBC was constructed by the US Army Corps of Engineers (USACE) in 1981 to alleviate flooding in the Tampa area. S-159 is the structure at the head of the TBC which allows water to move from the LHFDA to the TBC and out to the Palm River. S-159 is a three-bay reinforced concrete weir structure with hydraulically-powered hoist machinery that operates three, steel, vertical-lift gates. The structure is founded over concrete-filled steel pipe pilings. Reinforced concrete end abutments and two piers support a reinforced concrete slab service bridge. Four columns extend up from the abutments and piers to support the operating platform and the gate hoists. The sheetpiling/concrete walls has shifted causing water to seep through the concrete joints. This issue has been noted in the USACE inspections as an issue to monitor and make repairs. At the downstream side of the spillway, dissipation blocks slow the rate of the water entering the canal reducing turbulence that could damage the foundation. Previous underwater inspections have shown that these blocks are eroded and in need of repair.			
Benefit:	The project benefit is to add and to increase the its usefu	tress issues noted by the US ul life.	SACE during their inspection	ons of the S-159 structure
Cost:	Total project cost: \$70,000 District: \$70,000			
		Evaluation		
Resource Benefit:	The benefit of this project is as designed.	to increase the life of the st	ructure and ensure that it o	can convey the floodwater
Cost Effectiveness:	The cost is appropriate for t	hese tasks within the projec	t based on previous simila	r projects.
Project Readiness:	The project is ready to begin	n on or before December 1,	2017.	
		Strategic Goals		
Strategic Initiatives:	- Emergency Flood Respons	e .		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
	<u></u>	Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$70,000	\$0	\$70,000
Total	\$0	\$70,000	\$0	\$70,000

Project No: B873	Structure Electrical System	n Upgrades			
Risk Level: Type 1	Project Category: Structur	e Operation & Maintenan	ce		
Region: Districtwide					
Areas of Responsibility:	Water Supply:	Nater Quality:	Natural Systems: X	Flood Protection: X	
		Description			
Description:	This project is for repair and water conservation structure limited to; new model genera and warning sirens.	This project is for repair and improvement to the electrical, video, and sirens for multiple flood control and water conservation structures which the District operates. Repair and improvements include; but are not limited to; new model generators, cameras, surge suppression sensors, electrical boxes and wiring, lighting, and warning sirens.			
Benefit:	The project benefit is improved reliability of the control and electrical systems which will reduce the potential of operational failure; thereby, reducing the number of trips to the structure and the cost of maintenance and repairs.				
Cost:	Total project budget: \$150,000 District: \$150,000				
		Evaluation			
Resource Benefit:	The project will maintain the during a major flood event c	The project will maintain the flood control and water conservation structures such that the flood damage during a major flood event can be minimized with the operation of the District's flood control structures.			
Cost Effectiveness:	Total project cost is appropr cost effectiveness prior to pr	Total project cost is appropriate for the need and each project repair or improvement will be evaluated for cost effectiveness prior to procurement.			
Project Readiness:	The project is ready to begin	on or before December 1s	t of the fiscal year the fund	ng is being requested.	
		Strategic Goals			
Strategic Initiatives:	 Floodplain Management Emergency Flood Response 	e			
Regional Priorities:	- None.				
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$150,000	Annual Request	\$150,000	
Total	Annual Request	\$150,000	Annual Request	\$150,000	

Project No: B833	Tampa Bypass Canal Culvert Replacement			
Risk Level: Type 1	Project Category: Works	of the District		
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems:	Flood Protection: X
		Description		
Description:	removal or variances; animal control; removal of or variance for identified encroachments at the Tampa Bypass Canal (TBC). The US Army Corps of Engineers (USACE) conducted routine inspections of the canal system for maintenance-related issues including erosion, culvert conditions, encroachments, animal control, and vegetation. The District received a minimally acceptable system rating at TBC. If the District does not repair the noted maintenance deficiencies identified, the facilities will be placed in an Inactive status, and the District will not be eligible to receive federal disaster assistance from the USACE under PL 84-99 should the facilities be damaged in connection with a major flood event.			
Benefit:	As the USACE Superintendent of the Four River Basins Florida Project the District is responsible to comply with the operation and maintenance guidelines, which include performing necessary repairs, of the TBC. The District will continue to address on-going required maintenance in FY2018.			
Cost:	Total project cost: \$400,000 District: \$400,000 with \$200,000 budgeted in previous years, and \$200,000 requested in FY2018.			
		Evaluation		
Resource Benefit:	This project benefits the floo	od fighting activities required	by the USACE.	
Cost Effectiveness:	Project costs are appropriat recent past.	te for the project scope and	are comparable to similar p	projects conducted in the
Project Readiness:	As this is an ongoing project, the project is ready for implementation at the start of FY2018.			
		Strategic Goals		
Strategic Initiatives:	 Floodplain Management Emergency Flood Response 	se		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$200,000	\$200,000	\$0	\$400,000
Total	\$200,000	\$200,000	\$0	\$400,000

Project No: B835	Bathymetric Survey of Tampa Bypass Canal (S-159 to S-162)			
Risk Level: Type 1	Project Category: Works	of the District		
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems:	Flood Protection: X
		Description		
Description:	The project is for bathymetr The S-159 structure allows Hillsborough River. Bathym conveyance capability of the canal can indicate moveme	ic survey of the Tampa Bypa water to enter the TBC. The netric measurement of the be system, and the condition nt of soil, reducing the canal	ass Canal (TBC) between the canal is used during high ottom of the canal is used of the canal bottom. Chan Is ability to convey floodwa	structure S-159 and S-162. In water conditions on the to determine the ges in the bottom of the ter.
Benefit:	The project benefit is to ensure that the TBC can function as designed and to plan for maintenance work required to ensure the continued ability to convey flood waters.			
Cost:	Total project cost: \$150,000 District: \$150,000			
		Evaluation		
Resource Benefit:	The project will ensures tha of Engineers (USACE) and	The project will ensures that the structures can convey the quantity of water identified by the US Army Corps of Engineers (USACE) and protect the area from the 100 year flood event as designed.		
Cost Effectiveness:	The project cost is appropri the past.	ate for the project scope and	d comparable to other simi	lar projects conducted in
Project Readiness:	The project is ready to begi	n on or before December 1,	2017.	
		Strategic Goals		
Strategic Initiatives:	- Emergency Flood Respons	se .		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$150,000	\$0	\$150,000
Total	\$0	\$150,000	\$0	\$150,000

Project No: B836	Saddle Creek Tree Removal and Installation of Tussock Barrier			
Risk Level: Type 1	Project Category: Works	of the District		
Region: Heartland				
Areas of Responsibility:	Water Supply:	Water Quality:	Natural Systems:	Flood Protection: X
		Description		
Description:	Request funds for tree removes P-11. Elevated water levels They will eventually fall into damage to the structure and damage to	oval and installation of a tust have caused the hardwood the water flow path and floa d limit the release of water d	sock barrier in Saddle Cree trees along the banks of Sa at downstream against the s lownstream.	k upstream of Structure addle Creek to die off. structure. This could cause
Benefit:	Removing the dying and do the District investment in th	wned trees and installation e P-11 structure and the Lak	of the tussock barrier will sa ke Hancock Project.	ave staff time and protect
Cost:	Total project cost: \$100,000 District: \$100,000	Total project cost: \$100,000 District: \$100,000		
	Evaluation			
Resource Benefit:	This project supports the natural systems and flood control benefits associated with the P-11 Structure.			
Cost Effectiveness:	The costs are appropriate for projects.	The costs are appropriate for the project scope and consistent with the spending history from similar projects.		
Project Readiness:	Ready on October 1, 2017	when funding becomes avai	lable.	
		Strategic Goals		
Strategic Initiatives:	 Floodplain Management Emergency Flood Response 	se		
Regional Priorities:	- None.			
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$0	\$100,000	\$0	\$100,000
Total	\$0	\$100,000	\$0	\$100,000

Project No: P24	3	Districtwide Regulation Models Steady-State & Transient Calibrations			
Risk Level: Typ	e 1	Project Category: Water L	lse Permitting		
Region: Dist	rictwide				
Areas of Resp	onsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:
			Description		
De	scription:	contemporary time period in order to verify consistent and accurate estimation of aquifer heads and drawdown response. The existing model versions were calibrated to steady-state conditions in 1995, where the distribution of land use and water use activities is significantly different to that of current distribution and magnitude. New steady-state and transient calibration periods will be established and the models will be calibrated in two phases: 1) a new selected steady-state calibration period for both models. Additionally, in the second phase of the project, a focus Telescopic Mesh Refinement (FTMR) process will be developed for DWRM4.			
	Benefit:	The addition of a more contemporary steady-state calibration and extended transient calibration will verify that the Regulation Division modeling tools continue to provide the District with an efficient and accurate method to evaluate groundwater withdrawal impacts.			
	Cost:	Total project cost: \$270,000 District: \$270,000 with \$135,000 requested in FY2018, and \$135,000 anticipated to be requested in future years			
			Evaluation		
Resourc	e Benefit:	Protection of the water reso water use permit groundwater	Protection of the water resource through a more accurate evaluation of resource impacts resulting from water use permit groundwater withdrawals to support the District's Water Use Permitting program.		
Cost Effec	ctiveness:	Cost is reasonable for the s of costs for similarly funded	cope of the consulting servic District projects.	ces. The project costs are	consistent with the range
Project R	eadiness:	Project is ready to begin on	or before December 1, 201	7.	
			Strategic Goals		
Strategic I	nitiatives:	 Regional Water Supply Pla Minimum Flows and Levels 	nning (MFL) Establishment and Re	ecovery	
Regional	Priorities:	 Ensure long-term sustainable water supply. Implement Minimum Flow and Level (MFL) Recovery Strategies. Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal. 			
			Additional Information		
Additional Inf	ormation:				
			Funding		
Funding S	ource	Prior	FY2018 Requested	Future	Total
Ad Valorem		\$0	\$135,000	\$135,000	\$270,000
Total		\$0	\$135,000	\$135,000	\$270,000

Project No: P443	Dover & Plant City Autom	atic Meter Reading						
Risk Level: Type 1	Project Category: Water L	Jse Permitting						
Region: Tampa Bay								
Areas of Responsibility:	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:				
		Description						
Description:	The Dover/Plant City Water withdrawal metering and rep holders. Metering is require Meter Reading (AMR) devic devices associated with 538 accomplished through a rein installation and can elect to contractor. The installation of services.	Use Caution Area (DPCWL porting requirements that the d for all frost/freeze protection ces are also required. This m 9 water use permits within the mbursement program where be reimbursed directly or has of AMR devices will be performed.	UCA) was created in 2011. District will fund for existin on that use groundwater. Th hay require up to 626 flow n ie DPCWUCA. The installat the permittee is responsible ave the reimbursement paid ormed directly by the Distric	These rules include water ig agricultural permit ne installation of Automatic neters and 961 AMR ion of flow meters is being e for the flow meter t ot he installation t using contracted				
Benefit:	This program will enable the DPCWUCA. This will ensur- to accept various data form	e District to collect accurate e consistent data and elimin ats.	and timely pumpage data fr ate the cost of programming	om permittees within the g the ePermitting system				
Cost:	Total project cost: \$4,897,7 District: \$4,897,743 with \$4 anticipated future funds. FY2018 funding will be used - District Grants: Flowmete - Contracted Services for D	Total project cost: \$4,897,743 District: \$4,897,743 with \$4,601,495 budgeted in prior years, \$296,248 requested in FY2018, and no anticipated future funds. FY2018 funding will be used for: - District Grants: Flowmeter installation reimbursements (\$250,000)						
		Evaluation						
Resource Benefit:	This information will be use responsibilities, permit com	d by staff to make resource pliance, and groundwater me	decisions related to water a odeling.	llocation, well mitigation				
Cost Effectiveness:	Funding request is consiste installed in FY2018.	nt with established flow met	er costs and estimated num	ber of flow meters to be				
Project Readiness:	This project is ongoing.							
		Strategic Goals						
Strategic Initiatives:	- Regional Water Supply Pla - Minimum Flows and Levels	nning (MFL) Establishment and R	ecovery					
Regional Priorities:	- Ensure long-term sustainal	ble water supply. and Level (MFL) Recovery St	rategies.					
		Additional Information						
Additional Information:								
		Funding						
Funding Source	Prior	FY2018 Requested	Future	Total				
Ad Valorem	\$4,601,495	\$296,248	\$0	\$4,897,743				
Total	\$4,601,495	\$296,248	\$0	\$4,897,743				

Project No: B277	Florida Water Star Certification and Builder Education								
Risk Level: Type 1	Project Category	: Educat	ion						
Region: Districtwide									
Areas of Responsibility:	Water Supply: X		Water Quality: X		Natural Systems:	Flood Protection:			
			Description						
Description:	Florida Water Star existing homes an water-saving criter water-efficient buil marketplace.	Florida Water Star (FWS) is a voluntary statewide water conservation certification program for new and existing homes and commercial developments. To achieve certification, buildings must meet specific water-saving criteria inside and outside the property. The program educates the building industry about water-efficient building practices and provides incentives to make these practices common to the marketplace.							
Benefit:	This project support to improve water of through the installation of of water-efficient irrig pesticides that work	This project supports the District's Strategic plan by reducing residential and commercial water use and helps to improve water quality by reducing polluted stormwater runoff in the building industry. Water use is reduced through the installation of WaterSense and ENERGY Star rated fixtures and appliances, as well as through the installation of drought-tolerant plants, a reduction in high-volume irrigation and the installation of water-efficient irrigation components. Water quality is benefited through the reduction of fertilizers and pesticides that would typically enter water bodies through stormwater runoff.							
Cost:	Total FY2018 requ District: \$7,302 *Funding will be us	Total FY2018 request: \$7,302 District: \$7,302							
			Evaluation						
Resource Benefit:	Through education and outreach to builders and developers, as well as irrigation and landscape designers and installers, this project reduces water use and stormwater runoff throughout the District. Based on estimates, a FWS-certified home uses approximately 48,301 gallons of water less per year compared to a home meeting Florida state code requirements and 100% high-volume irrigation, which is traditionally seen in Florida. In addition, two examples of quantified results illustrate program benefits: 1) a Polk County commercial property used 76% less water than a similar property in the same area in a one-year period; and 2) a retrofit project for a FWS-certified apartment building in Pasco County showed water savings of 1.3								
Cost Effectiveness:	Assuming a 20-yes \$2.01.	ar life and	d \$1,400 cost per im	plement	ation, the cost per 1,000	gallons of water saved is			
Project Readiness:	As this is an ongoi	ng projec	t, the project is reac	ly for imp	plementation at the start	of the fiscal year.			
			Strategic Goal	S					
Strategic Initiatives:	 Conservation Water Quality Ma 	intenance	and Improvement						
Regional Priorities:	 Ensure long-term Improve Lake The Improve Ridge La Improve Charlotte 	sustainal pnotosass ikes, Wint Harbor,	ole water supply. sa, Tampa Bay, Lake ter Haven Chain of L Sarasota Bay and Sl	e Tarpon akes and nell/Prair	and Lake Seminole. d Peace Creek Canal. ie/Joshua creeks.				
			Additional Information	ation					
Additional Information:									
			Funding						
Funding Source	Prior		FY2018 Reque	sted	Future	Total			
Ad Valorem	Annual	Request		\$7,302	Annual Reque	st \$7,302			
Total	Annual	Request		\$7,302	Annual Reque	st \$7,302			

Project No: P259	Youth Water Resources Education Program								
Risk Level: Type 1	Project Category: Education								
Region: Districtwide									
Areas of Responsibility	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection: X					
	-	Description							
Description	 Each year, this program edu students and teachers in the field trip programs, teacher districts. The program also freshwater resources, such posttests confirm an average 	Each year, this program educates an estimated 240,000 students and teachers, representing a third of the students and teachers in the District, about freshwater resources through Splash! school grants, grade-level field trip programs, teacher trainings, the Envirothon and other hands-on programming in 15 county school districts. The program also offers additional educational resources to help increase students' knowledge of freshwater resources, such as publications, electronic teaching tools and water test kits. Project pre- and posttests confirm an average water resources knowledge gain of 31% in participating students.							
Benefit	This project helps fulfill the education under the Core B District's counties are education incorporated District materia grants, field trips and educat not occur without this program incorporated in this program instilling in students at a your	I his project helps fulfill the District's Strategic Plan, which includes engagement through outreach and education under the Core Business Processes. More than one-third of students and teachers in 15 of the District's counties are educated through the program. In eight of those counties, school districts have incorporated District materials into their curriculum, ensuring across-the-board student impacts. District grants, field trips and education materials are the catalyst for a level of water resources education that would not occur without this program. Also, research shows that hands-on learning experiences, like those incorporated in this program, are more likely to result in sustainable knowledge gain and behavior change by instilling in students at a young age the importance of water resources protection and conservation.							
Cost	Total FY2018 request: \$548,525 District: \$548,525 FY2018 funding will be used for: - District Grants: 15 county school district field trips and classroom water resource education for students (\$530,000) - Contracted Services for District Projects: Teacher training and curriculum tool development (\$18,525)								
		Evaluation							
Resource Benefit	 Research shows that hands to result in sustainable know importance of water resource water resources, the Distric projects. 	s-on learning experiences, lik vledge gain and behavior ch ces protection and conserva t delays the need for initiatin	the those incorporated in this ange by instilling in student tion. By promoting the cons g costly water resource dev	s program, are more likely s at a young age the ervation and protection of velopment or restoration					
Cost Effectiveness	The annual cost and reach hour received of water reso	of this program averages ou urces education.	t to \$2.34 per student reach	ned and \$.76 per contact					
Project Readiness	As this is an ongoing project fiscal year.	t, the proposed FY2018 proj	ject is ready for implementa	tion at the start of the					
	-	Strategic Goals							
Strategic Initiatives	- Conservation - Water Quality Maintenance	and Improvement							
Regional Priorities	 Ensure long-term sustainable water supply. Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal. Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks. 								
Additional Information									
		Funding							
Funding Source	Prior	FY2018 Requested	Future	Total					
Ad Valorem	Annual Request	\$548,525	Annual Request	\$548,525					
Total	Annual Request	\$548,525	Annual Request	\$548,525					

Project No: P268	Public Water Resources E	ducation Program							
Risk Level: Type 1	Project Category: Educati	on							
Region: Districtwide									
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection: X					
		Description							
Description:	This program educates the 2) Spanish translations for e	public about the District's co educational materials, and 3	ore mission through 1) decis) public service announcem	ion-maker water schools, ents through social media.					
Benefit:	This project helps fulfill the I education under the Core B community leaders, and oth and encourages improved p allows the District to send in platforms are used to comm	This project helps fulfill the District's Strategic Plan, which includes engagement through outreach and education under the Core Business Processes. Decision-maker water schools provide elected officials, community leaders, and other decision makers with factual information about their county's water resources and encourages improved public policy and decision making regarding water resource issues. Social media allows the District to send information to the public in a timely, cost-efficient way. The District's social media platforms are used to communicate the District's mission, goals and culture.							
Cost:	Total FY2018 request: \$8,000 District: \$8,000 FY2018 funding will be used for: - District Grants: Decision-maker water schools with government agencies (\$5,500) - Contracted Services for District Projects: Public service announcements and language translation (\$2,500)								
		Evaluation							
Resource Benefit:	By promoting the conservation and protection of water resources, the District delays the need for developing costly water resource development or restoration projects.								
Cost Effectiveness:	The bulk of funding in this p decision-maker water schoo the general public at a cost always positive and knowled 272,047 and the cost per rea	roject is allocated to decisio ols educated 200 elected off of \$27.50 per person or \$2. dge gains are self-reported. ach was less than one penr	n-maker water schools. In F icials, municipal and county 79 per contact hour. Particip The total reach for paid soc ny.	FY2015, the staff, stakeholders and pant evaluations are sial media in FY2016 was					
Project Readiness:	As this is an ongoing project fiscal year.	t, the proposed FY2018 pro	ject is ready for implementa	tion at the start of the					
		Strategic Goals							
Strategic Initiatives:	- Conservation								
Regional Priorities:	 Improve northern coastal sp Ensure long-term sustainable 	oring systems. ble water supply.							
		Additional Information							
Additional Information:									
		Funding							
Funding Source	Prior	FY2018 Requested	Future	Total					
Ad Valorem	Annual Request	\$8,000	Annual Request	\$8,000					
Total	Annual Request	\$8,000	Annual Request	\$8,000					

Project No: W466	Springs Protection Outre	ach						
Risk Level: Type 1	Project Category: Educat	ion						
Region: Northern								
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection:				
		Description						
Description:	This project implements a Strategic Communications Plan that positions the District as the leading scientific agency taking the right actions to improve the health of local springs and helps overcome public misconceptions about springs issues and District actions. The project occurs in Citrus, Hernando and Marion counties where there are five first-magnitude springs. Messaging targets the media, elected officials, stakeholders, citizen groups and the general public about what the District is doing to address springs issues and what residents can do to help. Specific outreach is achieved through media coordination, special events, public service advertising, social media, a newsletter, project webpages and signage, and volunteer opportunities.							
Benefit:	This project is implemented in close coordination with staff in the District's Springs and Environmental Flows section to provide increased public awareness about the District's efforts to protect springs, while educating stakeholders and the general public on how they can help. Improving springs is a regional priority in the District's Strategic Plan, and the community support and involvement implemented through this project are key in helping the District meet this priority. Additionally, Communications and Education is a component of the District's Springs Management Plan and is facilitated through this program. All five first-magnitude springs in the District are designated Surface Water Improvement and Management (SWIM) priority water bodies and this project helps meet those goals and objectives as well.							
Cost:	Total FY2018 request: \$60,000 District: \$60,000 Funding will be used for education outreach services.							
		Evaluation						
Resource Benefit:	Through education and out which are all SWIM priority natural systems by education public about how they can be	reach, this project benefits a water bodies. It benefits the ng the media, elected official nelp protect springs.	Il five first-magnitude spring springsheds and surface w s, stakeholders, citizen grou	systems in the District, aterbodies of these ups and the general				
Cost Effectiveness:	Public service advertising is impressions, which is the n	s used in this project to reach umber of times the ads are s	n a mass audience. It achie seen, at a cost of less than o	ves nearly 5 million one penny per impression.				
Project Readiness:	As this is an ongoing project	ct, the project is ready for imp	plementation at the start of	the fiscal year.				
	• •	Strategic Goals						
Strategic Initiatives:	- Conservation and Restorat	ion						
Regional Priorities:	- Improve northern coastal s	pring systems.						
		Additional Information						
Additional Information:								
		Funding						
Funding Source	Prior	FY2018 Requested	Future	Total				
Ad Valorem	Annual Request	\$60,000	Annual Request	\$60,000				
Total	Annual Request	\$60,000	Annual Request	\$60,000				

Project No. N554	Study – Lake Jacks	Study – Lake Jackson Watershed Hydrology Investigation						
Highlands County				FY2018				
Risk Level:	Туре 2	Multi-Yea	· Contract:					
		Yes, Year	4 of 6					
		Description						
Description:	The project consists	of an investigation, including	data collection, to identify the	he causes of low				
	water level in Lake	Jackson and Little Lake Jackso	on over the last decade and	l develop				
Maaaurahia Darafitu	cost-effective recov	ery strategies.						
measurable benefit:	The contractual Me	asurable Benefit will be the dev	elopment of recovery strat	egy options to				
Costs	Total project cost: \$	400 000						
00313.	Highlands County: 9	\$100,000 (Eligible Rural Econo	mic Development Initiative	(REDI)				
	Community)			(
	District: \$300,000 w	ith \$201,118 budgeted in prev	ous years, \$53,882 reques	sted for				
	FY2018 and \$45,00	0 anticipated to be requested	n future years.					
		Evaluation						
Application Quality:	High Applicati	on included all the required inf	ormation identified in the C	FI Guidelines.				
Project Benefit:	High The ben	efit of this project will be an im	proved understanding of th	e water budget of				
	Lake Jac	kson and Little Lake Jackson,	assessment of physical ca	uses of low water				
Coot Effectiveness	levels, a	nd optimization of potential rec	overy strategies.					
Cost Effectiveness:	High Cost is r	easonable considering the sco	pe of study.	noing project				
Past Performance:	High Highland	n an assessment of the sched	related effects to determin	going project.				
Complementary Efforts:		is county has been involved if		e the cause of the low				
Project Readiness:	High Project i	s ongoing and on schedule.						
,		Strategic Goals						
Strategic Goals:	High Strateg	c Initiative - Minimum Flows	and Levels Establishmen	t and Recovery:				
Ū	To prev	ent significant harm and reesta	blish the natural ecosysten	n, determine MFL's				
	and, wh	ere necessary, develop and in	plement recovery plans.					
	Heartla	nd Region Priority: Implemen	Southern Water Use Caut	ion Area (SWUCA)				
	Recove	ry Strategy.						
Fund on 1A Driarity	0	verall Ranking and Recomme	ndation					
Fund as TA Phonity.	I his ongoing project	t investigates MFL recovery of		and Little Lake				
	Board approved a r	ning the Ridge Lakes area of this	project and a reduction in the	, the Governing				
	from \$420.000 to \$4	100.000. Highlands County qu	alifies for a 75% cost share	as a REDI				
	community as defin	ed by Florida Statute. Under D	istrict Policy 130-4, the Boa	ard can reduce the				
	requirements for ma	atching funds for REDI commu	nities.					
		Funding						
Funding Source	Prior	FY2018	Future	Total				
Highlands County	\$67	,432 \$20,56	8 \$12,000	\$100,000				
District	\$201	,118 \$53,88	2 \$45,000	\$300,000				
Total	\$268	,550 \$74,45	57,000	\$400,000				

Project No. N772	Reclaimed	Reclaimed Water-Polk Co. NERUSA Loughman and Ridgewood Reclaimed Water							
Polk County Utilities	Transmiss	FY2018 FY2018							
Risk Level:	Type 2	Гуре 2 Multi-Year Contract:							
		Yes, Year 2 of 2							
			Descriptio	on					
Description:	Design, pe	ermitting, and c	construction of app	proximately 12	2,400 feet of 12 to 24	inch reclaimed			
	water tran	smission main	s and other neces	sary appurten	ances to supply appr	oximately 915			
	residential	Irrigation cust	omers in the Ridg	ewood (Ridge		ment expansion)			
Measurable Benefit:	The Meas	urable Benefit	which will be the		as of NERUSA.	only 0.345 mad of			
measurable Denent.	reclaimed	water to reside	ential customers in	the "Ridge A	rea" of the Central Fl	orida Water			
	Initiative (CFWI).		The Theyerr					
Costs:	Total proje	ect cost: \$2,505	5,000 (Design, Pe	rmitting, Cons	truction);				
	Polk Cour	nty: \$1,252,500	;						
	District: \$1	1,252,500 with	\$250,500 budget	ed in FY2017	and \$1,002,000 requ	ested in			
	FY2018.								
			Evaluatio	n		• • •			
Application Quality:	Hign	Application in	cluded the require						
Project Benefit:	High	Area of the C	0.345 mgd of rec CFWI.	laimed water	to residential custome	ers in the "Ridge			
Cost Effectiveness:	High	\$9.10 per gal	lon per day capita	I cost which is	below the \$10 to \$1	5 per gallon average			
	-	for alternative	supplies. The es	timated cost e	effectiveness is \$2.19	per thousand gallons			
		of water resource benefit which is within the cost range for reuse projects which							
		typically rang	e from a low of \$0	.15/1,000 gall	ons for golf course pr	rojects up to			
		\$10.00/1,000	gallons for reside	ntial projects.					
Past Performance:	High	Based on an	assessment of the	e schedule and	a budget for 8 ongoin	ig projects.			
Complementary Efforts:	High	Polk County s	s fer high volume	system includ	es metering and ince	nive based reuse			
			licies which maxir	mize utilization	nu nas pro-active rec	efits and			
		environmenta	Il benefits.						
Project Readiness:	High	Project is ong	oing and on sche	dule.					
			Strategic Go	oals					
Strategic Goals:	High	Strategic Ini	tiative - Reclaime	d Water: Max	imize beneficial use o	of reclaimed			
		water to offse	et potable water s	upplies and re	store water levels an	d natural systems.			
		Heartland R	egion Priority: Im	prove Ridge L	akes, Winter Haven	Chain of Lakes and			
		Peace Creek	Canal.	1.4					
Fund as 14 Priority	Ongoing r	Overal	Ranking and Re	ng as it roduo	on es reliance on traditio	anal water sources			
r unu as rA r nonty.	in the CFV	WI and is cost of	effective.	ny as it reduct		nai walei suuices			
			Funding						
Funding Source	Р	rior	FY2018		Future	Total			
District		\$250,500	\$1	,002,000	\$0	\$1,252,500			
Polk County		\$250,500	\$1	,002,000	\$0	\$1,252,500			
Total		\$501,000	\$2	,004,000	\$0	\$2,505,000			

Project No. N813	WMP - Hai	nes City Wate	rshed Management Plan U	pdate				
Haines City					FY2018			
Risk Level:	Туре 4		Multi-Year (Contract:				
		Yes, Year 2 of 2						
			Description					
Description:	Watershee	d Management	Plan (WMP) and model up	date, floodplain delineatio	on, and Best			
	Managem	ent Practices (BMP) alternative analysis for	or the Haines City Waters	hed in Polk County			
	using digit	al topographic	information, ERP data, and	I land use updates. The e	existing WMP and			
	model are	based on 200	5 land use data. FY2017 fu	nding will be used to colle	ect LIDAR terrain			
Moasurable Bonofit:	The centre		and conduct	BIVIP alternative analysis	floodalain			
Measurable Defiert.	informatio	n and alternat	ive analysis: information the	t is critical to better ident	ify risk of flood			
	damage a	nd cost effectiv	/e alternatives.					
Costs:	Total proje	ect cost: \$480,0	000					
	Haines Ci	ty: \$240,000						
	District: \$2	240,000 with \$	120,000 budgeted in previo	us years, and \$120,000 r	equested in			
	FY2018.							
	1.12.1		Evaluation					
Application Quality:	High	Application in	cluded all the required infor	mation identified in the C	FI Guidelines.			
Project Benefit:	Hign	The WMP will	I analyze flooding problems	that exist in the watershe	ed. Currently, flood			
		regional or int	termediate stormwater syst	over to years old, and the	e watershed includes			
Cost Effectiveness:	Medium	Project cost n	er square mile is in the mid	-range of historic costs (§	620.001 to \$30.000 /			
	moulain	sq mi) for WM	IPs completed in rural wate	rsheds.	,,,			
Past Performance:	High	Based on coo	pperator having no ongoing	projects with the District f	they are ranked high.			
Complementary Efforts:	Low	Cooperator is	not participating in the Cor	nmunity Rating System p	rogram.			
Project Readiness:	High	The project is	ongoing and on schedule.					
			Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain			
		information a	ind implement floodplain ma	anagement programs to n	naintain storage and			
		conveyance	and to minimize flood dama	ige.				
Fund on 14 Dringity	This are	Overal	Ranking and Recommen	dation	tion many them 40			
Fund as TA Fhonity.	vears old	The resulting	oroduct will be utilized for fl	ng detailed study information	tion more than 10			
	solutions f	that alleviate flo	ood risk and improve water	quality and enhance the	planning of future			
	developm	outions that alleviate flood risk and improve water quality, and enhance the planning of future evelopment in the project area.						
	· · · · · · · · · · · · · · · · · · ·	, ,	Funding					
Funding Source	Р	rior	FY2018	Future	Total			
Haines City		\$120,000	\$120,000	\$0	\$240,000			
District		\$120,000	\$120,000	\$0	\$240,000			
Total		\$240,000	\$240,000	\$0	\$480,000			

Project No. N831	SW IMP - V	SW IMP - Water Quality - Haines City Stormwater Improvements						
Haines City		FY201						
Risk Level:	Туре 3	Type 3 Multi-Year Contract: Yes, Year 2 of 2						
			Descri	ption				
Description:	Design, pe	ermitting, and c	construction of	stormwater L	ID BMPs to improve wat	er quality and		
Moasurable Bonofit:	The control		blo Popofit wil		City urban died.	raat atarmwatar		
measurable Denent.	rupoff from	actual Measura	v 5 acres of ur	han watersh	ed. There will be no moni	toring or performance		
	testina rec	uirements.	y 5 acres of u			toring of performance		
Costs:	Total proje	ect cost: \$200,0	000 (design, pe	ermitting and	construction)			
	Haines Ci	ty: \$100,000		· ·	,			
	District: \$7	100,000 with \$	50,000 funded	in FY2017 a	nd \$50,000 requested in	FY2018.		
			Evalua	ation				
Application Quality:	High	Application in	cluded all the	required infor	rmation identified in the C	FI Guidelines.		
Project Benefit:	Medium	The Resource	e Benefit of this	s water qualit	ty project is the reduction	of pollutant loads		
		and suspende	ed solids into th	he lakes of th	ne Lake Wales Ridge, a D	District priority		
		waterbody, by	/ an estimated	5 lbs/yr TP a	and 2,500 lbs/yr TSS.			
Cost Effectiveness:	High	The estimate	d cost/lb of TP	removed is t	below the historical avera	ge of \$4,715/lb; the		
		estimated cos		IOW THE HISTOR	rical average of \$20/lb; al			
		projects		ai average oi				
Past Performance:	High	Based on the	cooperator ha	vina no onac	oing projects with the Dist	rict		
Complementary Efforts:	High	The City has	an active storn	nwater utility	that collects fees.			
Project Readiness:	High	Project is ong	joing and on so	chedule.				
	5		Strategic	Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop		
-	Ū	and impleme	nt programs, p	projects and r	egulations to maintain an	nd improve water		
		quality.		-	-	-		
		Heartland Re	egion Priority:	Improve Rid	lge Lakes, Winter Haven	Chain of Lakes and		
		Peace Creek	Canal.					
		Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project red	uces stormwat	er impacts to	the Lake Wales Ridge L	akes, a District		
	priority wa	iterbody, and is	s cost effective	ing				
Eunding Source		rior	Fund	18	Euturo	Total		
District	- P	\$50.000	F 1 20	\$50.000	ruluie ¢∩	10tdi \$100.000		
Haines City		\$50,000		\$50,000	ቃ0 ፍበ	¢100,000		
Total		\$100,000		\$100.000	\$0	\$200.000		

Project No. W774	SW IMP - V	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs							
Winter Haven]				FY2018				
Risk Level:	Туре 3	Type 3 Multi-Year Contract: Yes, 2 of 2							
			Description						
Description:	Design, pe right-of-wa	ermitting, and o ay and park are	construction of small storm eas in the City of Winter Ha	water LID BMPs within the ven.	e urban public				
Measurable Benefit:	The contra approxima requireme	The contractual Measurable Benefit is the construction of approximately 25 LID BMPs to treat approximately 11 acres of stormwater runoff. There will be no monitoring or performance testing requirements.							
Costs:	Total proje City of WI District: \$ FY2018.	ect cost: \$240,0 nter Haven: \$1 120,000, with \$	000 (design, permitting, and 20,000 \$60,000 budgeted in previc	d construction) ous years and \$60,000 rec	quested in				
			Evaluation						
Application Quality:	High	Application in	cludedall the required infor	mation indentified in the C	CFI guidelines.				
Project Benefit:	Medium	The Resource and suspende priority water	e Benefit of this water quali ed solids into the lakes of tl body, by an estimated 3 lb	ty project is the reduction ne Winter Haven Chain of s/yr TP and 2,000 lbs/yr T	of pollutant loads Lakes, a SWIM SS.				
Cost Effectiveness:	High	High The estimated cost/lb of TP removed is below the historical average of \$4,715/lb; the estimated cost of TSS is below the historical average of \$20/lb; and the cost/acre treated is below the historical average of \$46,947/acre treated for LID water quality projects							
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for the 2 on	going projects.				
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.					
Project Readiness:	Medium	The FY2017 funds on anot	project has not started due ther project. Issues have be	to concerns with the coop een resolved and project i	perators matching s moving forward.				
		1	Strategic Goals						
Strategic Goals:	High	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.							
		Overal	I Ranking and Recommen	dation					
Fund as 1A Priority.	This proje priority wa	ct will improve aterbody, and v	water quality discharging t vill also provide some flood	o the Winter Haven Chain protection benefits.	of Lakes, a SWIM				
			Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$60,000	\$60,000	\$0	\$120,000				
City of Winter Haven		\$60,000	\$60,000	\$0 ©	\$120,000 \$240,000				
Total		\$120,000	\$120,000	\$0	\$240,000				

Project No. N779	Marion Co	Marion County Utilities Toilet Rebate Program – Phase 4						
Marion County							FY2018	
Risk Level:	Туре 1			Multi-Year (Contract:			
				Yes, Year 2	of 2			
			Descri	ption				
Description:	Financial i	ncentives to re	esidential custo	omers for the	replacement of convention	onal toilets with		
	high-efficie	ency toilets wh	ich use 1.28 g	allons per flu	sh or less and to commer	rcial customers for		
	the replace	ement of conve	entional toilets	with ultra-lov	v flow toilets which use 1.	6 gallons per flush		
	or less. Th	is project will i	nclude rebates	s and program	n administration for the re	eplacement of		
	approxima	tely 400 high f	low toilets. Als	so included ar	re educational materials,	program promotion,		
Moosurable Bonofit:	The centre	/s necessary t	o ensure the s	UCCESS OF THE	e program.	m and the		
weasurable benefit.	completion	of a final ren	able benefit wi	ii be the imple	ementation of the program	n and the		
Costs:	Total proje	ct cost: \$64.00	00					
	Marion Co	untv: \$32.000						
	District: \$3	32,000 with \$1	6,000 budgete	d in previous	years and \$16,000 reque	ested in FY2018.		
			Evalu	ation				
Application Quality:	High	Application in	cluded all the	required infor	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	High The benefit of the project is the conservation of approximately 10,190 gallons per day						
		in the Northe	rn Planning Re	egion of the D	District.			
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.00) per thousand gallons sa	ved.		
Past Performance:	High	Based on the	assessment	of the schedu	le and budget for the 2 or	ngoing projects.		
Complementary Efforts:	Medium	The cooperat	or encourages	s, supports, a	nd provides incentives for	r water conservation	I	
Drojaat Baadinaaa	High	programs with	nin its service	area.	acmbor 1, 2017			
Project Reduiness.	піўп	Project is rea	dy to begin on					
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Ent	nance efficiencies in all w	ater-use sectors		
etrategie eculor	i ligit							
		Northern Re	gion Priority:	Ensure long-	term sustainable water si	upply.		
Fund as 44 Driarity	.	Overal	l Ranking and	Recommen	dation	(4) D: () ()		
Fund as TA Priority.	Project wil	l conserve pot	able water sup	oply in the No	orthern Planning Region o	of the District and is		
	cost enect	ive.	Fund	lina				
Eunding Source	P	rior	EY20	18	Euture	Total		
District		\$16,000	. 120	\$16,000	\$0		\$32,000	
Marion County		\$16,000		\$16,000	\$0		\$32.000	
Total		\$32,000		\$32,000	\$0		\$64,000	

Project No. N435	ASR - City	ity of Bradenton Surface Water ASR-2						
City of Bradenton						FY2018		
Risk Level:	Type 2			Multi-Year Yes, 4 of 6	Contract:			
			Descri	ption				
Description:	The proje	ct consists of d	esign, third pa	rty review, pe	ermitting and constructior	n of one ASR well		
	(ASR-2) a	nd associated	facilities to hel	p meet curre	nt and future potable wat	er supply demands.		
Measurable Benefit:	The contra	actual Measura	able Benefit wil	ll be construc	ction of the ASR system the	hat will allow the		
	City to sto	re approximate	ely 150 million	gallons per y	ear (MGY) of excess sur	face water flow for		
Casta	use durino	the dry seaso	n.	n 200/ deala	n and third narty raviau)			
Costs:	City of Br	ect cost. \$4,700 adenton: \$2.35		in 30% desig	n and third party review)			
	District: \$2	2 350 000 with	\$2 207 553 bi	udaeted in pr	evious vears \$142 447 re	equested in		
	FY2018.	2,000,000 mili	\$2,201,000 be	agotoa in pr	στισάο youro, φ 1 12, 1 11 1			
			Evalua	ation				
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	CFI Guidelines.		
Project Benefit:	High	The benefit o	f this project is	the storage	of approximately 150 MG	Jyr of excess surface		
		water flow du	ring the wet se	eason for pot	able use in the SWUCA o	luring the dry season.		
Cost Effectiveness:	High	The general of	cost for an ASF	R system of t	his size without the treatn	nent is \$4 million.		
		The proposed	The proposed project cost of \$3.9 million without treatment is below the general cost					
		for similar size	ed ASR system	ns. Ireatmer	nt costs are consistent wil	th the range of costs		
		of similarly it	this location	orojecis. An e	equivalently sized surface	e water reservoir, the		
Past Performance	Hiah	Based on an	assessment of	f the schedul	e and budget for the 2 on	aoina projects		
Complementary Efforts:	High	Cooperator p	er capita belov	v 100 apcd.				
Project Readiness:	Hiah	Project is onc	ioing and on se	chedule.				
,	5		Strategic	: Goals				
Strategic Goals:	High	Strategic Ini	tiative - Altern	ative Water	Supplies: Increase deve	lopment of		
-	Ū	alternative so	ources of wate	r to ensure g	roundwater and surface v	water sustainability.		
		Southern Re	gion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)		
		Recovery St	rategy.					
		Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This proje	ct will provide	a cost effective	e storage alte	ernative for available high	surface water flows		
		A of the SWUCA. The third party review and current project costs were approved by the						
	Governing	y buaru ili FY2	Fund	lina				
Funding Source	P	rior	FY20	18	Future	Total		
District		\$2,207,553		\$142.447	\$0	\$2,350,000		
City of Bradenton		\$2,207,553		\$142.447	\$0	\$2,350,000		
Total		\$4,415,106		\$284,894	\$0	\$4,700,000		

Project No. N556	Reclaimed Wate	Reclaimed Water - Charlotte County Reclaimed Water Expansion - Phase 3							
Charlotte County Util.					FY2018				
Risk Level:	Type 2	Type 2 Multi-Year Contract:							
	Yes, Year 5 of 5								
			Description						
Description:	Design, permitti	Design, permitting and construction of approximately 51,000 feet of 4 to 16-inch diameter							
	reclaimed transi	nission r	nains, retrofit of a 95 million	gallon storage pond alor	ng with aeration,				
	filtration, flow m	eter, tele	metry, post chlorination sys	tem, transfer stations, an	up to 5 mga pump				
	western Charlot	te Count	v along County Road 775 (F	Placida Road) and along	Cape Haze Drive				
Measurable Benefit:	The Measurable	e Benefit	which will be the contractu	al requirement, is the sup	poly of 2.23 mad of				
	reclaimed water	for com	mercial and golf course irrig	ation in the Southern Wa	ter Use Caution				
	Area (SWUCA).								
Costs:	Total project cos	st: \$9,43	0,000 (Design, permitting ar	nd construction)					
	Charlotte Count	y: \$4,71	5,000						
	District: \$4,715,	000, with	1 \$4,403,750 in prior years,	\$311,250 requested in 20)18.				
Application Quality	High Appl	Evaluation							
Application Quality:	High The	gn Application included all the required information identified in the CFI guidelines.							
Project Benefit:	High fre		I 2.25 mgu of reclaimed war	er in the SWUCA.					
Cost Effectiveness:	Hign \$5.6	\$5.64 per gallon per day capital cost which is below the \$10 to \$15 per gallon average							
	wate	water resource benefit which is within the average cost range for reuse projects which							
	typic	typically range from a low of \$0.15/1,000 gallons for golf course projects up to ~							
	\$10.	\$10.00/1,000 gallons for residential projects. The project costs are consistent with the							
	rang	e of cost	s for similarly funded Distric	t projects.					
Past Performance:	High Base	ed on an	assessment of the schedule	e and budget for 4 ongoin	ig projects				
Complementary Efforts:	High Prog	ram inclu	udes metering and incentiviz	zed based reuse rate stru	cture for high volume				
	wate	r users a	and has pro-active reclaimed	d expansion policies whic	h maximize				
Project Peadiness	Utiliz Lligh Proje	ation and	a environmental benefits.						
Troject Neddiness.	riigii riojo		Strategic Goals						
Strategic Goals:	High Stra	tegic Ini	tiative - Reclaimed Water	Maximize beneficial use (of reclaimed				
etrategie eculo.	wate	er to offs	et potable water supplies ar	id restore water levels an	d natural systems.				
	Sou	thern Re	gion Priority: Implement S	outhern Water Use Cauti	on Area (SWUCA)				
	Rec	overy St	rategy.		х <i>У</i>				
		Overa	I Ranking and Recommen	dation					
Fund as 1A Priority.	This ongoing pr	oject is c	ost effective and will allow f	or the future expansion o	f reclaimed water in				
	the SWUCA.		Eurodina						
Eunding Source	Drior		Funding EV2018	Euturo	Total				
District	¢ <i>A</i>	403 750	\$311 250	¢0	\$4 715 000				
Charlotte County	پې 42	403 750	\$311,250	\$0 \$0	\$4 715 000				
Total	\$8	807,500	\$622,500	\$0	\$9,430,000				

Project No. N759	WMP - Pea	rce Drain/Gap	Creek Watershed	Managem	ent Plan				
Manatee County						FY2018			
Risk Level:	Type 4	Type 4 Multi-Year Contract:							
		Yes, Year 2 of 2							
			Descriptior	1					
Description:	Complete	Complete a Watershed Management Plan (WMP) including floodplain analysis, Surface Water							
	Resource	Resource Assessment and Best Management Practices for the Pearce Drain /Gap Creek							
	Watershee	d in Manatee C	ounty. FY2018 fun	ding will be	utilized to complete th	e project.			
Measurable Benefit:	The contra	actual Measura	able Benefit will be	the Waters	hed model, floodplain a	analysis, Surface			
	Water Res	source Assess	ment and Best Man	agement P	Practices; information th	nat is critical to			
	better ider	ntify risk of floo	d damage and cost	effective a	alternatives.				
Costs:	Total proje	ect cost: \$672,0	000						
	Manatee	County: \$336,0	000						
	District: \$	336,000 with \$	168,000 budgeted i	n previous	years, \$168,000 reque	sted in FY2018.			
		1	Evaluation						
Application Quality:	High	Application in	cluded all the requi	red informa	ation identified in the C	FI Guidelines.			
Project Benefit:	High	The benefit o	f this project is the	completion	of a WMP that identifie	es floodplain,			
		establishes le	evel of service, eval	uates BMP	s to address level of se	ervice deficiencies,			
		and provides	a geodatabase with	n projected	results from watershee	d model simulations			
		for floodplain management and water quality management. Currently, flood analysis							
		models are not available, or are over 10 years old, and the watershed includes regional							
		or intermediate stormwater systems.							
Cost Effectiveness:	Medium	Project cost per square mile is in the mid-range of historic costs (\$30,001 to							
Dant Danfarman an	Lliada	\$50,000/sq m	i) for wivies compl	eted in urba	an watersneds.	noing projecto			
Past Performance:		Cooperator's	Community Pating		and budget for the 4 one	poing projects.			
Droigot Boodingoou	Lligh	The project is		bodulo					
Project Reduitiess.	піўп		Stratagia Cor						
Stratagia Caalay	Madium	Cturata alia Ini	Strategic Goa		ent Develop better fle	a dia la in			
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplair	i Managem	ient: Develop better no	ouplain			
			and to minimize fle	ipiali illand		laintain storage and			
		conveyance		ou uamaye					
		Overal	Bonking and Bog	ommondo	tion				
Fund as 1A Priority	This proje	Overal ot identifies flo	od rick in an area w	vith no dota	uon vilod study information (available. The			
i una as intrinonty.	resulting r	broduct will be	utilized for flood ins	urance det	ermination bein impler	ment solutions that			
	alleviate f	lood risk and ir	nnrove water qualit	v and enh:	ance the planning of fut	ture development in			
	the project	t area.		y, and crine					
			Funding						
Funding Source	Р	rior	FY2018		Future	Total			
District		\$168,000	\$	68,000	\$0	\$336,000			
Manatee County		\$168,000	\$	68,000	\$0	\$336,000			
Total		\$336,000	\$3	336,000	\$0	\$672,000			

Project No. N780	Brackish - Punta Gorda RO Facility								
City of Punta Gorda						FY2018			
Risk Level:	Type 2			Multi-Year C	Contract:				
				Yes, Year 4	of 5				
		Description							
Description:	The project	ct consists of th	ne design, wel	lfield testing s	tudy, TPR, permitting, ar	nd construction of a			
	4 mgd bra	ckish groundw	ater reverse o	smosis (RO) I	facility co-located at the	City's existing 10			
	mgd Shell	mgd Shell Creek surface water treatment facility. Components include the RO facility, water							
	EV2018 fu	acility including	j ∠ mg tank, ra rilv for facility (w water supp	ly weimeid, and a concer	itrate disposal well.			
Measurable Benefit:	The meas	urable benefit	which is a cor	ntractual requi	irement is to complete a	n exploratory well			
	testing pro	ogram, provide	a final report.	and construct	t the RO facility.				
Costs:	The total p	project cost: \$3	32,200,000		·····				
	City of Pu	nta Gorda: \$15	5,650,000						
	State: \$90	0,000							
	District: \$7	15,650,000 wit	h \$2,500,000 l	pudgeted in p	revious years (a portion (under project code			
	N600), \$6	,575,000 reque	ested in FY20	18, and \$6,57	5,000 anticipated to be re	equested in future			
	years.		Evelu	ation					
Application Quality:	High	Application in			formation identified in the				
Project Bonofit:	High	The benefit o	f this project is	to create 4 m	ad of alternative water s	upply and to ensure			
Project benent.	riigii	the availabilit	v of the alterna	ative water su	poly from the Shell Cree	k facility that is			
		currently har	pered by poor	water quality	, as well as protecting na	atural systems by			
		increasing flow reliability to the lower Shell Creek Estuary.							
Cost Effectiveness:	Medium	Medium Cost effectiveness appears reasonable and consistent with the District's average for							
		similar projects.							
Past Performance:	High	gh Based on an assessment of the schedule and budget for the 1 ongoing project.							
Complementary Efforts:	Medium	Cooperator's	per capita wat	ter use is 119	gpcd. Between 75 - 125	gpcd is considered			
		medium per t	he CFI Evalua	tion Guideline	es. Cooperator also cond	ucts Natural Systems			
Droject Readinees	High	Project is rea	tive Lands Pui	chases, Exot	ic Plant Removal, and Na	ature Parks.			
Project Reduitiess.	riigii	reviews of the	ay to begin on wellfield stud	ly and the pro	iect design	ung District of a party			
			Strategi	c Goals					
Strategic Goals:	Hiah	Strategic Ini	tiative - Alterr	native Water S	Supplies: Increase deve	opment of			
U U	5	alternative so	ources of wate	r to ensure gr	oundwater and surface v	vater sustainability.			
		Southern Re	gion Priority	Implement S	outhern Water Use Caut	ion Area (SWUCA)			
		Recovery St	rategy.						
		Southern Re	egion Priority:	Improve Cha	rlotte Harbor, Sarasota E	Bay and			
		Shell/Prairie	Joshua creek	S.					
Fund on 1A Drigrity	The Coop	Overal	Ranking and	Recomment	dation	aubaaguant TDD of			
Fundas TA Fhonity.	the 90 ner	cent RO Facili	ty design and		ent of construction on th	e Authority's			
	Phase 1 F	Pipeline before	the District rei	mburses final	design and construction	of the RO Facility			
	The TPRs	are scheduled	d to be conduc	ted and prese	ented to the Governing B	oard in May - July			
	2017. Ant	icipating favora	able results, ar	nd with the un	derstanding that the Gov	erning Board will			
	need to pr	ovide approva	I to proceed, S	Staff is recomi	mending FY2018 funding	for final design,			
	permitting	, and construc	tion.						
			Func	ling	-				
Funding Source	P	rior	FY20	18	Future	Total			
		\$2,500,000		\$6,575,000	\$6,575,000	\$15,650,000			
City of Punita Gorda		\$∠,500,000		φο,575,000	\$0,575,000	\$15,650,000			
		\$900,000		\$0	\$U \$12 150 000	\$900,000			
lotal		φ0,900,000		ຈ ເວ, ເວບ,υυυ	φ13,150,000	φ32,200,000			

Project No. N809	WMP - Boy	wlees Creek W	atershed Management Pla	an					
Manatee County					FY2018				
Risk Level:	Type 4		Multi-Year	Contract:					
		Yes, Year 2 of 2							
			Description						
Description:	Complete	Complete a Watershed Management Plan (WMP) including floodplain analysis, Surface Water							
	Resource	Resource Assessment and Best Management Practices for the Bowlees Creek Watershed in							
	Manatee (County. FY201	8 funding will be utilized to	complete the project.					
Measurable Benefit:	The contra	actual Measura	able Benefit will be the Wat	ershed model, floodplain a	analysis, Surface				
	Water Res	source Assess	ment and Best Managemer	nt Practices; information the	nat is critical to				
	better ider	ntify risk of floo	d damage and cost effective	e alternatives.					
Costs:	Total proje	ect cost: \$432,0	000						
	Manatee	County: \$216,0	000						
	District: \$2	216,000 with \$	108,000 budgeted in previo	ous years, \$108,000 reque	ested in FY2018.				
			Evaluation						
Application Quality:	High	Application in	icluded all the required into	rmation identified in the C	FI Guidelines.				
Project Benefit:	High	The benefit o	f this project is the complet	ion of a WMP that identifie	es floodplain,				
		establishes le	evel of service, evaluates B	MPs to address level of se	ervice deficiencies,				
		and provides	a geodatabase with projec	ted results from watershe	d model simulations				
		for floodplain management and water quality management. Currently, flood analysis							
		models are not available, or are over 10 years old, and the watershed includes regional							
Cost Effectiveness	Madium	Or Intermediate stormwater systems.							
COSt Enectiveness.	Medium	\$50 000/sg m	ai) for WMPs completed in a	urhan watersheds	550,001 10				
Past Performance	High	Based on an	assessment of the schedul	e and budget for the 4 on	noing projects				
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range.				
Project Readiness:	Hiah	The project is	s ongoing and on schedule.						
,	·	1	Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manac	lement : Develop better flo	odnlain				
		information a	and implement floodplain m	anagement programs to n	naintain storage and				
		convevance	and to minimize flood dam	aqe.					
				0					
		Overal	I Ranking and Recommer	dation					
Fund as 1A Priority.	This proje	ct identifies flo	od risk in an area with no c	letailed study information	available. The				
	resulting p	product will be	utilized for flood insurance	determination, help imple	ment solutions that				
	alleviate f	lood risk and ir	nprove water quality, and e	nhance the planning of fu	ture development in				
	the project	t area.							
			Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$108,000	\$108,000	\$0	\$216,000				
Manatee County		\$108,000	\$108,000	\$0	\$216,000				
Total		\$216,000	\$216,000	\$0	\$432,000				

Project No. W218	SW IMP - V	MP - Water Quality - Anna Maria BMPs North Shore						
City of Anna Maria						FY2018		
Risk Level:	Туре 3	Type 3 Multi-Year Contract: Yes, Year 2 of 5						
			Descri	ption				
Description:	Design, pe	ermitting and c	onstruction of	stormwater r	etrofits in City of Anna Ma	ria to improve water		
Maaamahia Dawafita	quality dis	charging to Ta	mpa Bay, a SV	VIM priority v	vaterbody.			
Measurable Benefit:	The contra	actual Measura	able Benefit wil	I be the cons	struction of LID BMPs to tr	eat approximately		
	testing rec	quirements.	inized storniwa	ater runon. I	nere will be no monitoring	or performance		
Costs:	Total proje	ect cost: \$936,0	000 (Design, p	ermitting, co	nstruction)			
	City of An	na Maria: \$468	3,000					
	District: \$4	468,000, with \$	117,000 budg	eted in previ	ous years, \$196,000 reque	ested in FY2018,		
	and \$155,	000 anticipate	d to be reques	ted in future	years.			
			Evalua	ation				
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the Cl	FI Guidelines.		
Project Benefit:	High	The Resourc	e Benefit of this	s water quali	ty project is the reduction	of pollutant loads to		
		I ampa Bay, a SWIM priority water body, by an estimated 68,200 lb/yr TSS, and 1,452						
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is lower than the historical average of						
	. ng. i	\$20/lb TSS and \$646/lb TN, and the cost/acre treated is below the historical average						
		cost of \$46,9	47/acre treated	d for Coastal	LID projects.	5		
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget for the 1 ong	going project.		
Complementary Efforts:	High	The City has	an active storn	nwater utility	that collects fees.			
Project Readiness:	High	Project is on	schedule and l	oudget.				
			Strategio	: Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improveme	ent: Develop		
		and impleme	ent programs, p	projects and	regulations to maintain and	d improve water		
		quality.						
		Tampa Bay and Lake Se	Region Priorit minole.	y: Improve L	ake Thonotosassa, Tampa	a Bay, Lake Tarpon		
		Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project has	an effective s	ediment and	nutrient removal cost, and	d will continue		
	efforts by	the City to red	uce stormwate	r impacts to	Tampa Bay, a SWIM prior	ity water body.		
			Fund	ling				
Funding Source	P	rior	FY20	18	Future	Total		
City of Anna Maria		\$117,000		\$196,000	\$155,000	\$468,000		
		\$117,000		\$196,000	\$155,000	\$468,000		
Total		৯∠ 34,000		\$392,000	\$310,000	\$ 9 36,000		

Project No. W630	SW IMP - V	SW IMP - Water Quality - Bradenton Beach BMPs 23rd St. N to 25th St. N						
Bradenton Beach		FY201						
Risk Level:	Туре 3			Multi-Year Yes, Year 2	Contract: of 2			
		Description						
Description:	Design, pe dischargin	Design, permitting, and construction of stormwater improvement LID BMPs to treat runoff tischarging to Sarasota Bay, a SWIM priority waterbody.						
Measurable Benefit:	The contra 26 acres of	actual Measura	able Benefit wi	ill be the cons	struction of LID BMPs to	treat approximately		
	testing rec	quirements.				p		
Costs:	Total proje	ect cost \$260,0	00 (Design, pe	ermitting, con	struction)			
	City of Bra	adenton Beach	: \$130,000					
	District: \$7	130,000, with \$	65,000 funded	d in FY2017 a	and \$65,000 requested ir	n FY2018.		
		1	Evalu	ation				
Application Quality:	Medium	Application in District PM/C	cluded most for M had to work	or the require	ed information identified in ator to obtain remaining r	n the CFI guidelines. equired information.		
Project Benefit:	High	The Resource	e Benefit of thi	is water quali	ty project is the reductior	of pollutant loads to		
		Sarasota Bay	Sarasota Bay, a SWIM priority water body, by an estimated 23,000 lb/yr TSS, and					
	1 Kada	491 lb/yr TN. There will be no monitoring or performance testing.						
Cost Effectiveness:	High	I ne estimated cost/lb of ISS and IN removed is lower than the historical average of						
		\$20/10 133 a	17/acre treate	d for Coastal	I ID projects	e filstofical average		
Past Performance:	Hiah	Based on the	assessment of	of the schedu	le and budget for the 1 o	naoina proiect.		
Complementary Efforts:	High	The City has	an active storr	mwater utility	that collects fees.	······································		
Project Readiness:	High	Project is ond	joing and on s	chedule.				
	<u> </u>		Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improven	nent: Develop		
	-	and impleme	nt programs, j	projects and i	regulations to maintain a	nd improve water		
		quality.						
		Southern Re	gion Priority	Improve Cha	arlotte Harbor, Sarasota	Bay and		
		Shell/Prairie/	Joshua creeks	S.				
		Overal	l Ranking and	d Recommen	dation	· · · · · ·		
Fund as TA Priority.	I his ongo	ing project has	an effective s	sediment and	nutrient removal cost, a	nd will continue		
	enons by	the City to real	Lice stormwate	ling	Sarasola bay, a Svilvi p	monty water body.		
Funding Source	D	rior	FY20	18	Future	Total		
City of Bradenton beach		\$65.000	1120	\$65.000	s(\$130.000		
District		\$65,000		\$65.000	\$(\$130,000		
Total		\$130,000		\$130,000	\$0	\$260,000		

Project No. W638	SW IMP - V	SW IMP - Water Quality - Holmes Beach BMPs Basins 1, 2, 6, 7 and 10							
Holmes Beach						FY2018			
Risk Level:	Туре 3	Type 3 Multi-Year Contract: Yes, Year 2 of 5							
			Descri	ption					
Description:	Design, pe water qual	Design, permitting, and construction of stormwater retrofits in City of Holmes Beach to improve water quality discharging to Sarasota Bay, a SWIM priority waterbody.							
Measurable Benefit:	The contra acres of h requireme	The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 127 acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.							
Costs:	Total proje City of Ho District: \$7 and \$276,	ect cost: \$1,473 Imes Beach: \$ 736,576, with \$ 216 anticipated	3,152 (Design, 736,576 184,144 budgu d to be request	permitting, co eted in previo ted in future y	onstruction) ous years, \$276,216 reque years.	ested in FY2018,			
Application Quality	High	Application in	Evaluation evaluation	ation roquired infor	mation identified in the C	El Guidalinos			
Application Quality.	High		- Ronofit of thi		the project is the reduction	of pollutant loads to			
Project Benefit:	riigri	Sarasota Bay, a SWIM priority water body, by an estimated 111,600 lb/yr TSS, and 2,377 lb/yr TN.							
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is lower than the historical average of \$20/lb TSS and \$646/lb TN, and the cost/acre treated is below the historical average cost of \$46.947/acre treated for Coastal/LD projects.							
Past Performance:	High	Based on the high.	cooperator ha	iving no ongo	ing projects with the Distr	rict they are ranked			
Complementary Efforts:	High	The City has	an active storn	nwater utility	that collects fees.				
Project Readiness:	High	Project is ong	joing and on so	chedule.					
		l	Strategic	: Goals					
Strategic Goals:	High	ighStrategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.Southern Region Priority: Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.							
		Overal	I Ranking and	Recommen	dation				
Fund as 1A Priority.	This ongo efforts by	ing project has the City to redu	an effective source stormwate	ediment and r impacts to S	nutrient removal cost , an Sarasota Bay , a SWIM pr	d will continue iority water body.			
			Fund	ing		₩ • •			
Funding Source	<u>Р</u>	rior	FY20'	10 070 040	Future	Iotal (\$700 EZO			
District		\$184,144		\$270,216	\$276,216	\$736,576			
Total		ə 184, 144 \$368.288		\$552,432	\$552,432	\$1.473.152 \$1.473			

Project No. N588	WMP - Ala	afia River Watershed Management Plan Update							
Hillsborough County						FY2018			
Risk Level	Туре 3			Multi-Year C	ontract:				
			Docori	res, 3 or 3					
Description	Watershee	ed Management Plan (WMP) and model update, floodplain delineation and Best							
	County us	ent Plactices (araphic inform	ive analysis io	t the Alalia River waters				
	WMP and	model are bas	ed on 2006 la	nd use data E	V2018 funding will be up	sed to complete the			
	floodplain	analysis neer	review and all	fic use cata. I ternative analy					
Measurable Benefit:	The contra	actual Measura	able benefit wi	ll he a WMP ai	nd model undate floodn	lain delineation and			
	BMP alter	native analysis	for the Alafia	River Watersh	ed in Hillsborough Cour	nty using digital			
	topograph	ic information,	ERP data, an	d land use upo	lates.				
Costs	Total proje	ect cost: \$1,000	0,000						
	Hillsborou	igh County: \$5	00,000						
	District: \$	500,000 with \$	350,000 budg	eted in previou	s years and \$150,000 re	equested in FY2018.			
		1	Evalu	ation					
Application Quality:	High	Application in	cluded all the	required inforr	nation identified in the C	FI Guidelines.			
Project Benefit	Medium	Identification	of flooding pro	blems that exi	st in the watershed and	solutions. Currently,			
		flood analysis	flood analysis models are available and are from 5 to 10 years old, and the watershed						
		includes regional or intermediate stormwater systems.							
Cost Effectiveness	High	Cost is \$4,00	0 or less/sq. n	<u>וו.</u>					
Past Performance:	Medium	Based on an	assessment o	f the schedule	and budget for the 10 o	ngoing projects.			
Complementary Efforts:	High	Cooperator's	Community R	ating System of	class is 5 and is in the 5	or better range.			
Project Readiness	High	The project is	ongoing and	on schedule.					
		1	Strategi	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	lplain Manage	ment: Develop better flo	odplain			
		information a	ind implement	floodplain ma	nagement programs to r	naintain storage and			
		conveyance	and to minimiz	ze flood damag	ge.				
		Overal	l Ranking and	Recommend	ation	<u>.</u>			
Fund as TA Phonity.	I his proje	ct updates floo	od risk in an ar	ea with existin	g detailed study informa	tion more than 5			
	years old.	that alloviate fl	product will be	e utilized for flo	ou insurance determinat	alon, help implement			
	developm	ent in the proje		iipiove water t	fuality, and enhance the	planning of luture			
	acvelopin		Func	lina					
Funding Source	P	rior	FY20	18	Future	Total			
District		\$350,000		\$150,000	\$0	\$500.000			
Hillsborough County		\$350,000		\$150,000	\$0	\$500.000			
Total		\$700,000		\$300.000	\$0	\$1.000.000			

Project No. N645	SW IMP - F	SW IMP - Flood Protection - 43rd Street Outfall Stormwater Improvements							
City of Tampa					FY2018				
Risk Level	Туре 3		Multi-Yea	r Contract:					
			Yes, 4 of	4					
		Description							
Description	Design, pe	Design, permitting, and construction to improve the existing drainage system for the 43rd Street							
	flooding T	his project is f	or Phase 2 of the regiona	I project which consists of (constructing the				
	outfall of t	he system to the	ne Bay. FY2018 funding v	vill be used to complete cor	nstruction of				
	conveyan	ce improvemer	nts to convey treated rund	off from the 40th Street pon	d (Phase 1 - N506)				
	southward	I to the receivir	ng system near 7th Aven	ue. A stormwater study and	model were				
	completed	I to evaluate th	is project in 2012.						
Measurable Benefit:	The contra	actual Measura	able Benefit will be to con	struct conveyance improve	ments, in				
Costs	Total proje	ect cost: \$4 10) 000 [.] (Design permitting	and construction)					
	City of Tar	mpa: \$2,050,00	00; (Includes \$57,000 of I	and acquisition costs as fur	nding match)				
	District: \$2	2,050,000 with	\$1,650,000 budgeted in	previous years and \$400,00	00 requested				
	in FY2018	in FY2018.							
		Evaluation							
Application Quality	High	Application in	cluded all the required in	formation identified in the C	FI Guidelines.				
Project Benefit	High	The Resource Benefit of this project will reduce the existing flooding problem during							
		project area a	and the project impacts the	e regional or intermediate	drainage system				
Cost Effectiveness	Medium	Costs are bas	sed on design. Engineers	costs estimates appear to	be reasonable				
		based on ava	ilable information.						
Past Performance	High	Based on an	assessment of the scheo	ule and budget for the 6 on	igoing projects.				
Complementary Efforts	Medium	Cooperator's	Community Rating Syste	m class is 6 and is in the 6	to 9 range.				
Project Readiness	High	The project is	ongoing and on schedu	е.					
		1	Strategic Goals						
Strategic Goals	Medium	Strategic Ini	tiative - Floodplain Man	agement: Develop better flo	odplain				
			and implement lioooplain	management programs to r	maintain storage and				
				nage.					
		Overal	I Ranking and Recomm	endation					
Fund as 1A Priority.	This is an	ongoing proje	ct which provides flood p	otection for structures and	streets during the				
	25 year e	vent. Project is	Phase 2 of the regional	mprovement plan within the	e watershed.				
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
District City of Tampa		\$1,650,000	\$400,00		\$2,050,000				
Total		\$3,300,000	\$400,00	50 0.80	\$2,050,000				

Project No. N665	Purified Re	eclaimed Wate	er - Clearwate	r Groundwat	er Replenishment Projec	ct Phase 3			
City of Clearwater						FY2018			
Risk Level:	Type 2			Multi-Year	Contract:				
				Yes, Year 4	of 7				
		Description							
Description:	The project	ct consists of d	esign, third pa	irty review, pe	ermitting and construction	for the full-scale			
	water purification plant, and the injection and monitor well systems at Clearwater's Northeast								
	Water Rec	vvater Reclamation Facility to recharge 2.4 mgd annual average of purified reclaimed water.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be to recha	rge 2.4 mgd annual avera	age of purified			
Costs	Total proje	et cost: \$32.7	16 000 (Desig	aquiler.	review permitting and co	Instruction)			
00313.	City of Cle	arwater: \$16.3	358.000	n, unita party	review, permitting, and ce				
	District: \$	16,358,000, wi	th \$3,685,600	budgeted in	previous years, \$8,000,00	00 requested in			
	FY2018 a	nd \$4,672,400	in future fund	ing.	· · · · ·	•			
			Evalu	ation					
Application Quality:	High	Application in	cluded all the	required info	rmation in the CFI Guideli	nes.			
Project Benefit:	High	The project w	vill beneficially	recharge 2.4	mgd of purified water into	o the Upper Floridan			
		aquifer on an	annual avera	ge basis. Aqu	lifer recharge will improve	groundwater levels in			
		the NIBWUC	A, reduce the	effects of sa	Itwater intrusion, and incr	ease the City's future			
Cost Effectiveness	Medium	The capital of	potential.	iect is \$13.63	s per and of water treated	and injected into the			
OUSt Effectiveness.	Wealum	Linner Floridan aquifer compared to the \$10 - \$15 range for Total Capital Cost/and of							
		water resource benefit.							
Past Performance:	High	ligh Based on an assessment of the schedule and budget of the 7 ongoing projects.							
Complementary Efforts:	High	h Cooperator has a program in place that includes metering and an incentive based							
		reuse rate structure for high volume users and has proactive reclaimed expansion							
		policies which maximize utilization and environmental benefits.							
Project Readiness:	High	Project is ong	joing and on s	chedule.					
Otrata dia Ossilar			Strategi	c Goals	a				
Strategic Goals:	High	Strategic Ini	tiative - Alteri	native Water	Supplies: Increase devel	opment of			
		Strategic Ini	tiative - Recla	imed Water	Maximize beneficial use	of reclaimed			
		water to offs	et potable wat	er supplies a	nd restore water levels an	d natural systems.			
		Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	ent: Develop			
		and impleme	ent programs,	projects and	regulations to maintain an	d improve water			
		quality.							
		Tampa Bay	Region Priorit	ty: Implemen	t Minimum Flow and Leve	I (MFL) Recovery			
		Strategies.	Desien Drieri		aka Thanataaaaa . Tamn	a Day, Laka Tarpan			
		and Lake Se	minole	y. Improve L	ake monolosassa, ramp	a bay, Lake Tarpon			
		Overa	I Ranking and	d Recommen	dation				
Fund as 1A Priority.	This ongo	ing project will	provide for co	st effective a	quifer replenishment of w	ater levels in the			
	NTBWUC	A. The City's t	hird party revie	ew and curre	nt project cost were appro	ved by the			
	Governing	Board in 201	6.						
			Func	ling					
Funding Source	P	rior	FY20	18	Future	Total			
		\$3,685,600		\$8,000,000	\$4,672,400	\$16,358,000			
		\$3,685,600 \$7 371 200		\$8,000,000 \$16,000,000	\$4,672,400 \$0,244,800	\$16,358,000			
Iotal		ψι,3ιΙ,200		ψ10,000,000	ψ3,344,000	ψυζ,110,000			

Project No. N700	WMP - Hill	sborough Rive	er/Tampa Byp	ass Canal W	MP Update				
Hillsborough County						FY2018			
Risk Level:	Туре 3			Multi-Year (Contract:				
			Deser	Yes, 3 of 3					
			Descri	ption					
Description:	Watershee	d Management	Plan (WMP) a	and model up	date, floodplain delineat	ion, and Best			
	Managem	vianagement Practices (DMP) alternative analysis for the Hillsborough River/ rampa Bypass							
		anar watersheu in milisonough county using uigital topographic information, ERP data, and							
	funding wi	l be used to c	omplete the wa	atershed man	agement plan, floodplair	n analysis and			
	alternative	ilternative analysis							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	I be the com	pletion of a WMP and m	odel update.			
	floodplain	delineation an	d BMP alterna	tive analysis	for the Hillsborough Rive	er/Tampa Bypass			
	Canal Wa	tershed in Hills	borough Coun	ity using digit	al topographical informa	tion , ERP data, and			
	land use u	ipdates.							
Costs:	Total proje	ect cost: \$1,000	0,000						
	Hillsborou	gh County: \$5	00,000						
	District: \$	500,000 with \$	350,000 budge	eted in previo	us years and \$150,000 r	requested in FY2018.			
	112.1	Evaluation							
Application Quality:	High	High Application included all the required information identified in the CFI Guidelines.							
Project Benefit:	Medium	Identification	of flooding pro	blems that ex	kist in the watershed and	I solutions. Currently,			
		flood analysis models are available and are from 5 to 10 years old, and the watershed							
Cost Effectiveness	Modium	Project cost r	onal or interme	is below the	mid_range of historic co	sts (between \$1 001			
COSt Enectiveness.	Medium	and \$6.000) f	or WMP updat	es. floodplair	n determination. and BM	P alternative analysis.			
Past Performance:	Medium	Based on an	assessment of	f the schedule	e and budget for the 10 o	ongoing projects.			
Complementary Efforts:	High	Cooperator's	Community Ra	ating System	class is 5 and is in the 5	or better range.			
Project Readiness:	High	The project is	ongoing and	on schedule.					
			Strategio	: Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manag	ement: Develop better fl	oodplain			
		information a	and implement	floodplain ma	anagement programs to	maintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		Overal	I Ranking and	Recommen	dation				
Fund as 1A Priority.	This proje	ct updates floc	od risk in an are	ea with existin	ng detailed study informa	ation more than 5			
	years old.	I ne resulting	product will be	utilized for fl	ood insurance determina	ation, help implement			
	developm	ent in the proje	ood risk and in	iprove water	quality, and enhance the	e planning of future			
	developm		Fund	lina					
Funding Source	Р	rior	FY20	18	Future	Total			
District		\$350,000		\$150,000	\$(\$500.000			
Hillsborough County		\$350,000		\$150,000	\$0	\$500.000			
Total		\$700,000		\$300,000	\$0	\$1,000,000			

Project No. N712	SW IMP - V	Vater Quality -	South Pass-A-Grille	Vay Water Quality & Flood I	mprovements			
St. Petersburg Beach		FY2018						
Risk Level:	Туре 3	Type 3 Multi-Year Contract:						
		Yes, Year 3 of 3						
			Description					
Description:	Design, pe	ermitting, and o	construction of nutrient	separating baffle boxes and	stormwater			
	conveyand	ce improvemer	nts to provide stormwat	er treatment for an area that	currently has no			
	water qua	ity intrastructure and to alleviate localized street flooding. District funding is to						
Maaaurahia Darafitu	complete o	design, permitt	ing and construction.					
Measurable Benefit:	The Meas	urable Benefit	which will be the continue	actual requirement, is the co	nstruction of LID and			
	conveyan	ce BIVIP's to tre	eat and reduce flooding	from approximately 64 acres	s of high density			
Costs	Total proid	stormwater ru	INOIT. 3.000 (Docian, pormitti	a construction)				
00515.	City of St	Potershura Be	ach: \$3,213,000	ig, construction)				
	District: \$2	3 213 000 with	\$2 112 500 budgeted i	n previous vears \$1 100 500) requested in EY2018			
	Biotriot: ¢t	5,210,000 With	Evaluation					
Application Quality:	High	Application in	cluded all of the requir	ed information identified in th	e CFI quidelines.			
Project Benefit:	Medium	The Resource	e Benefit of the project	is the reduction of pollutant le	pads to Boca Ciega			
		Bay by an es	timated 9 lbs/vear TP.	59 lbs/vear TN. and 7733 lbs	/vear TSS and			
		reduction of f	looding up to the 25 ye	ar/24 hour storm event.				
Cost Effectiveness:	Medium	m The estimated cost/lb of TN, TP and TSS, based on preliminary information, are above						
		the historical average of \$646/lb, \$4,715/lb, and \$20/lb respectively, and cost/acre						
		treated is above the historical average cost of \$46,947/acre treated for coastal/LID						
		water quality projects. The cost effectiveness is solely an analysis of the estimated						
		project cost as compared to the costs of similar projects. With consideration of flood						
		protection be	nefits, the project cost	effectiveness is ranked as Mo	edium.			
Past Performance:	High	Based on an	assessment of the sch	edule and budget for the 3 or	ngoing projects.			
Complementary Efforts:	High	Applicant has	an active storm water	utility that collects fees.				
Project Readiness:	High	The project is	ongoing and on scheo	ule.				
			Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water Quality	Maintenance and Improven	nent: Develop			
		and impleme	ent programs, projects a	ind regulations to maintain a	nd improve water			
		quality.						
		Tampa Bay	Region Priority: Impro	/e Lake Thonotosassa, Tamp	ba Bay, Lake Tarpon			
			Minole. I Panking and Pocom	mondation				
Fund as 1A Priority	This proje	ct will improve	water quality dischard	ng to Boca Ciega Bay and Ta	ampa Bay, a SWIM			
	priority wa	ater body, and	will also provide some	lood protection benefits for a	City evacuation			
	route. The	e Citv's third pa	irty review and current	project cost were approved b	by the Governing			
	Board on	August 30, 20	l6.	,	,			
			Funding					
Funding Source	Р	rior	FY2018	Future	Total			
St. Pete Beach		\$2,112,500	\$1,100,	500 \$0	\$3,213,000			
District		\$2,112,500	\$1,100	500 \$0	\$3,213,000			
Total		\$4,225,000	\$2,201,	\$000	\$6,426,000			
Project No. N713	WMP - Per	nberton Baker	Watershed Management	Plan Update				
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Hillsborough County					FY2018			
Risk Level:	Туре 3		Multi-Year	Contract:				
			Yes, 2 of 2					
			Description					
Description:	Watershee	Vatershed Management Plan (WMP) and model update, floodplain delineation, and Best						
	Managem	ent Practices (BMP) alternative analysis f	or the Pemberton/Baker C	Canal Watershed in			
	Allisborou	Ign County usir /MP and mode	lg digital topographic inform	nation, ERP data, and ian se data, EV2018 funding y	a use updates. The			
	complete	the WMP. floor	blain delineation, and alter	native analysis.				
Measurable Benefit:	The contra	actual Measura	able Benefit will be the com	pletion of a WMP and mo	del update,			
	floodplain	delineation an	d BMP alternative analysis	for the Pemberton/Baker	Canal Watershed in			
	Hillsborou	igh County usir	ng digital topographical info	rmation, ERP data, and la	and use updates.			
Costs:	Total proje	ect cost: \$400,0	000					
	Hillsborou	igh County: \$20	00,000 100,000 requested in provi	aue veers and \$100,000 r	aquastad in			
	EY2018	200,000 with \$	100,000 requested in previ	ous years and \$100,000 fe	equested in			
	112010.		Evaluation					
Application Quality:	High	Application in	cluded all the required info	rmation identified in the C	FI Guidelines.			
Project Benefit:	Medium	Identification	of flooding problems that e	xist in the watershed and	solutions. Currently,			
		flood analysis	flood analysis models are available and are from 5 to 10 years old, and the watershed					
		includes regio	includes regional or intermediate stormwater systems.					
Cost Effectiveness:	Medium	Project cost p	per square mile is below the	e mid-range of historic cos	ts (between \$4,001			
Dact Darformanco:	Modium	Based on an	or WWP updates, floodplai	n determination, and BMF	alternative analysis.			
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range			
Project Readiness:	High	The project is	ongoing and on schedule		or better range.			
Trojoot Roualitooo.	Tiigit		Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manac	ement: Develop better flo	odplain			
, i i i i i i i i i i i i i i i i i i i		information a	ind implement floodplain m	anagement programs to n	naintain storage and			
		conveyance	and to minimize flood dama	age.				
		Overal	I Ranking and Recommen	dation				
Fund as 1A Priority.	This proje	ct updates floo	d risk in an area with existi	ng detailed study informat	tion more than 5			
	years old.	that alleviate fl	product will be utilized for the	ood insurance determinat	non, help implement			
	developm	ent in the proje	ect area.	quality, and enhance the	planning of latare			
			Funding					
Funding Source	Р	rior	FY2018	Future	Total			
District		\$100,000	\$100,000	\$0	\$200,000			
Hillsborough County		\$100,000	\$100,000	\$0	\$200,000			
Total		\$200,000	\$200,000	\$0	\$400,000			

Project No. N730	SW IMP - F	SW IMP - Flood Protection - 8th Avenue S & 44th Street S Drainage Improvements						
City of St. Petersburg							FY2018	
Risk Level:	туре 3		I	Multi-Year C	Contract:			
			Descript	res, year 3	013			
Description	Decign n	armitting and a		ioni avida draina	and water quality imp	revenente that will		
Description:	alleviate fl	Design, permitting and construction to provide drainage and water quality improvements that will allowing a feather the childe Dark Neighborhood in the visibility of 8 th Avenue Courth and						
	44th Stree	et FY2018 fund	ting will be used	for constru	ction. This project is for F	hase II of the Citv's		
	Stormwate	er Master Plan	Project E-2-1 ar	nd has an a	oproved conceptual perm	lit.		
Measurable Benefit:	The contra	actual Measura	able Benefit will I	be to upgrad	de the existing drainage of	conveyance system		
	to convey	runoff from 14	.2 acres of highl	y urbanized	land use through a baffle	e box BMP.		
Costs	Total proje	ect cost: \$5,270	0,000 (Design, p	ermitting, a	nd construction)			
	City of St.	Petersburg: \$2	2,635,000					
	District: \$2	2,635,000 with	\$1,422,500 bud	geted in pre	vious years and \$1,212,	500 requested in		
	FY2018.		Evaluat	ion				
Application Quality:	Hiah	Application in	cluded all the re	auired infor	mation identified in the C	FI Guidelines.		
Project Benefit:	High	Structure and	street flooding	occurs in the	e project area, the projec	t impacts the		
	5	regional or in	termediate drain	age system	, and the Resource Bene	fit of this flood		
		protection pro	ject will reduce	the existing	flooding problem during	the 10-year, 1-hour		
		storm event.		-				
Cost Effectiveness:	Medium	Medium Costs are based on initial design. Costs appear to be reasonable based on available						
Past Performance	High	Based on an	assessment of t	he schedule	and budget for the 8 on	noina projects		
Complementary Efforts	High	Cooperator's	Community Rat	ing System	class is 5 and is in the 5	or better range		
Project Readiness	Hiah	The project is	ongoing and or	n schedule.		e. setter ranger		
,	·	.	Strategic (Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water Q	Quality Mair	tenance and Improvem	ent: Develop		
Ū	J	and impleme	ent programs, pro	ojects and re	egulations to maintain an	d improve water		
		quality.						
		Strategic Ini	tiative - Floodp	lain Manage	ement: Develop better flo	odplain		
		information a	ind implement fl	oodplain ma	inagement programs to n	naintain storage and	t	
		conveyance	and to minimize	flood dama	ge.			
Fund on 1A Driority	This is an	Overal	I Ranking and F	Recomment	dation	tus sta in the Obilds		
Fund as TA Phonty.	I NIS IS AN	borbood Thi	ct which provide	s riood prote	ection for structures and s	streets in the Childs		
	Creek.		s project will also			S to Clam Bayou		
			Fundir	ng				
Funding Source	Р	rior	FY2018	3	Future	Total		
District		\$1,422,500	4	61,212,500	\$0	\$2	,635,000	
City of St. Petersburg		\$1,422,500	9	61,212,500	\$0	\$2	,635,000	
Total		\$2,845,000	9	52,425,000	\$0	\$5	,270,000	

Project No. N743	Reclaimed Water-Pa	Reclaimed Water-Pasco Co. Starkey Ranch Reclaimed Water Transmission Phase B						
Pasco County	Project				FY2018			
Risk Level	туре 2		Multi-Year Con Yes, Year 3 of 3	n tract: 3				
		De	escription					
Description	Design, permitting a	nd construction	n of approximately 17	7,500 feet of 12 to 16-i	nch reclaimed			
	water transmission	mains and othe	er necessary appurte	nances to provide recl	aimed water to			
	mixed-use irrigation	customers (rea	sidential, commercial	I and civic) in the Stark	key Ranch			
Measurable Benefit:	The Measurable Be	nefit which wil	I be the contractual r	equirement is the supr	oly of 0.41 mad of			
	reclaimed water for	irrigation to mi	xed-use customers in	n the Northern Tampa	Bay Water Use			
	Caution Area (NTB)	VUČA).		•	,			
Costs	: Total project cost \$7	,910,000 (Des	ign, permitting, const	truction)				
	Pasco County: \$95	5,000 601.000 buda	atad in provinue voor	6254 000 requestor				
	District. \$955,000, 5	601,000 budge	valuation	s, \$354,000 requested	1 III F 1 2010.			
Application Quality:	High Applicati	on included all	of the required inform	mation identified in the	CFI guidelines.			
Project Benefit	High The sup	oly of 0.41 mgc	l of reclaimed water i	in the NTBWUCA.				
Cost Effectiveness	High \$6.16 pe	gh \$6.16 per gallon per day capital costs which is below the \$10 to \$15 per gallon						
	average	average for alternative supplies. The estimated cost effectiveness is \$1.49 per						
	thousand	thousand gallons of water resource benefit, which is within the average cost range for						
	reuse pr	reuse projects which typically range from a low of \$0.15/1,000 gpd for golf course						
Past Performance:	High Based o	n an assessme	ent of the schedule ar	nd budget for 12 ongoi	na proiects.			
Complementary Efforts:	High Pasco C	ounty reclaime	d water system inclu	ides metering and ince	entive based reuse			
	rate stru	ctures for high	volume water users a	and has pro-active rec	laimed water			
	expansio	on policies which	ch maximize utilizatio	on, water resource ben	efits, and			
Dreiget Deadinges	environn Drojost i	nental benefits.						
Project Readiness	High Project	s ongoing and						
Strategic Goals	High Strateg	c Initiative - R	eclaimed Water: Ma	vimize beneficial use (of reclaimed			
	water to	offset potable	water supplies and r	restore water levels an	d natural systems.			
	Tampa	Bay Region Pr	iority: Implement Mi	nimum Flow and Leve	I (MFL) Recovery			
	Strategi	es.						
Fund on 14 Dringity	0	verall Ranking	and Recommendat	ion				
Fund as TA Phonty.	the NTRWICA and	is cost effectiv	ued for funding as it i	reduces reliance on tra	autional sources in			
		IS COSt Checkly	Funding					
Funding Source	Prior	F	Y2018	Future	Total			
Pasco County	\$601	,000	\$354,000	\$0	\$955,000			
District	\$601	,000	\$354,000	\$0	\$955,000			
Total	\$1,202	,000	\$708,000	\$0	\$1,910,000			

Project No. N755	Study - Hil	Study - Hillsborough/Tampa/Plant City/Temple Terrace Reclaimed Water Recharge Site						
Hillsborough County	Modeling S	Study Phase 3				FY2018		
Risk Level:	Туре 3		Multi-Yea Yes, Yea	ar Contract: r 2 of 2				
			Description					
Description:	Modeling a provide M	Aodeling and evaluation of reclaimed water recharge sites in eastern Hillsborough County to provide MFL benefits in the Dover/Plant City, Northern Tampa Bay and Southern Water Use Caution Area (NTBWUCA / SWUCA).						
Measurable Benefit:	The contra	actual Measura	ble Benefit will be the e	aluation of MFL bene	efits of several reclaimed	b		
	water rech	narge options to	o utilize up to 25 mgd.					
Costs:	Iotal Proje	ect Cost: \$900,	000 (study)					
	District: \$4	911 County. 54: 150 000 with \$	250,000 250,000 budgeted in pro	wious vears and \$200	000 requested in			
	FY2018	100,000, with ¢						
			Evaluation					
Application Quality:	High	Application in	cluded the required info	mation identified in th	e CFI guidelines.			
Project Benefit:	High	Study will pro	vide data to evaluate the	e potential benefits of	up to 25 mgd of reclaim	ied		
		water recharg	e options within the Dov	er/Plant City, Norther	n Tampa Bay and SWL	ICA.		
Cost Effectiveness:	High	High Study costs are comparable to costs associated with similar District funded studies						
Past Performance:	Medium	Based on an	assessment of the sche	dule and budget for th	e 10 ongoing projects.			
Complementary Efforts:	High	Cooperator h	as a program in place th	at includes metering,	incentivized reuse rate			
	Ū	structures for	high volume users and	nas pro-active reclaim	ed water expansion po	licies		
		which maximi	ze utilization and enviro	nmental benefits.				
Project Readiness:	High	Project is ong	oing and on schedule.					
		1	Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Reclaimed Wat	er: Maximize benefici	al use of reclaimed			
		water to offse	et potable water supplies	and restore water lev	vels and natural system	S.		
		Tampa Bay I	Region Priority: Implem	ent Minimum Flow an	d Level (MFL) Recover	ý		
		Tampa Bay I	Region Priority: Improve	l ake Thonotosassa	Tampa Bay, Lake Tarn	on		
		and Lake Se	minole.		, Tampa Day, Eake Tarp	on		
		Overal	I Ranking and Recomm	endation				
Fund as 1A Priority.	This ongo	ing project is re	ecommended for funding	as it will provide valu	able site specific			
	reclaimed	recharge data	in the Dover/Plant City,	Northern Tampa Bay	and SWUCA and is cos	st		
	effective.							
Eunding: Ocurres		uie u	Funding	E. A.	Tetel			
District	р 	¢250.000	ΓΙΖΟΊδ Φροοιο		iotal در ا	\$450.000		
Hillsborough County		\$250,000 \$250,000	ອ200,0 ¢200,0		\$0	\$450,000 \$450,000		
Total		\$500,000	\$200,0	00	\$0	\$900.000		

Project No. N770	SW IMP - F	SW IMP - Flood Protection - Pent Street/Grosse Avenue Flooding Abatement					
Tarpon Springs					FY2018		
Risk Level:	Туре 3	Type 3 Multi-Year Contract:					
		Yes, Year 2 of 2					
			Description				
Description:	This projed	ct is the desigr	n, permitting, and construc	tion of a new stormwater n	nanagement facility		
	(SMF) loca	ated at the nor	theast corner of Grosse Av	venue and Cypress Street,	, expansion of the		
	existing SI	MF currently se	erving Tarpon Springs Eler	ment School located at the	northwest corner		
	of Levis A	enue and Pin	e Street, and installation o	f associated stormwater co	ollection systems.		
	Due to lac	k of stormwate	er infrastructure, the project	t area has experienced se	vere roadway		
	flooding, ir	Icluding a hurr	icane evacuation route, ar	nd structure flooding proble	ems. FY2018		
Maggurahla Danofiti	Tunding Wi	De used for c	construction.				
measurable benefit:	Ine contra	ictual Measura	tor collection evotome	Iction of one new and one	expanded SMFS		
Costs	Total proje		008 (design permitting an	d construction)			
00313.	City of Tar	non Springs: 9	390 (design, permitting, ar				
	District: \$4	52.498. with \$	64.088 budgeted in previo	ous year and \$388,410 reg	uested in FY2018.		
			Evaluation				
Application Quality:	High	Application in	cluded all of the required i	nformation identified in the	e CFI guidelines.		
Project Benefit:	High	The Resourc	e Benefit of this project wil	I reduce the existing floodi	na problem durina		
		the 25-year. 24-hour storm event. Structure and street flooding current occurs in the					
		project area a	and the project impacts the	e City's primary stormwater	r collection/treatment		
		systems.					
Cost Effectiveness:	Medium	Costs are bas	sed on preliminary design.	Engineer's costs estimate	es appear to be		
		reasonable b	ased on available informat	ion or are similar when co	mpared to similar		
		projects.					
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 1 on	going project.		
Complementary Efforts:	Medium	Cooperator's	Community Rating Syster	n class is 7 and is in the 6	to 9 range.		
Project Readiness:	High	Project is ong	joing and on schedule.				
			Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Ma	intenance and Improvem	ent: Develop		
		and impleme	ent programs, projects and	regulations to maintain an	id improve water		
		quality.	tiativa - Elecatelain Mana	nement: Dovolon bottor fla	adalain		
		information of	native - Floodplain Mana	gement. Develop beller in	polipialin maintain storage and		
		conveyance	and to minimize flood dam	anagement programs to r	naman storage and		
		conveyance		lage.			
		Ovoral	I Panking and Pocommo	ndation			
Fund as 1A Priority	The project	t will provide f	lood protection for streets	and structures during the '	25-vear 24-hour		
i and do in trinonty.	storm eve	nt and provide	net improvement to water	quality of an impaired wat	terbody		
	0.0.11 070		Funding				
Funding Source	Р	rior	FY2018	Future	Total		
District		\$64,088	\$388,410	\$0	\$452,498		
Tarpon Springs		\$64,089	\$388,41	\$0	\$452,500		
Total		\$128,177	\$776,821	\$0	\$904,998		

Project No. N782	SW IMP - F	W IMP - Flood Protection - Highland/Jasmine Avenue Flooding Abatement					
Tarpon Springs					FY2018		
Risk Level:	Туре 3		Multi-Year	Contract:			
		Yes, Year 2 of 2					
			Description				
Description:	This proje	ct is the desigr	n, permitting, and constructi	on to expand two existing	stormwater		
	managem	ent facilities (S	MFs) and outfall improvem	ent of the downstream SN	/F before		
	dischargin	ig into Lake Ta	rpon. Currently two roadwa	y intersections within the	project area		
	experienc	EV2018 fund	ing will be used to continue	opacted adjacent residen	lua		
Measurable Benefit:	The contr	<u>. F12016 Iuliu</u> actual Measur	able Benefit will be construct	tion of expanded SMEs a	nd the outfall into		
measurable benefit.	Lake Tarn	on		alon of expanded own s a			
Costs:	Total proje	ect cost: \$281,3	340 (design, permitting, and	d construction)			
	City of Tai	pon Springs: \$	5140,670	,			
	District: \$	140,670, with \$	85,870 budgeted in previou	us year and \$54,800 requ	ested in FY2018.		
		1	Evaluation				
Application Quality:	High	Application in	cluded all of the required in	formation identified in the	CFI guidelines.		
Project Benefit:	High	The Resourc	e Benefit of this project will	reduce the existing floodi	ng problem during		
		the 25-year, 2	24-hour storm event. Struct	ure and street flooding cu	rrent occurs in the		
		project area a	and the project impacts the	City's primary stormwater	collection/treatment		
	NA - allower	systems.		Engineer's costs actimate	e ennerte he		
Cost Enectiveness:	weatum	costs are based on preliminary design. Engineer's costs estimates appear to be					
		reasonable based on available information or are similar when compared to similar					
Past Performance:	High	Based on an	assessment of the schedul	e and budget for the 1 on	going project.		
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 7 and is in the 6	to 9 range.		
Project Readiness:	High	Project is ono	joing and on schedule.				
			Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	ent programs, projects and i	regulations to maintain an	d improve water		
		quality.					
		Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain		
		information a	and implement floodplain manager	anagement programs to r	naintain storage and		
		conveyance	and to minimize flood dama	ige. Ska Thanatasasaa Tama	a David aka Taman		
		and Jake Se	minole	ake monotosassa, ramp	a Bay, Lake Tarpon		
		Overal	I Ranking and Recommen	dation			
Fund as 1A Priority.	The proje	ct will provide 1	lood protection for streets a	and structures during the	25-year, 24-hour		
	storm eve	nt and provide	net improvement to water	quality of impaired waterb	ody.		
			Funding				
Funding Source	Р	rior	FY2018	Future	Total		
District		\$85,870	\$54,800	\$0	\$140,670		
Tarpon Springs		\$85,870	\$54,800	\$0	\$140,670		
Total		\$171,740	\$109,600	\$0	\$281,340		

Project No. N791	Reclaimed Wate	Reclaimed Water - Pasco Starkey Ranch Reclaimed Water Transmission Project - Phase					
Pasco County	с						FY2018
Risk Level:	Туре 2			Multi-Year (Yes, Year 2	Contract: of 3		
			Descrip	tion			
Description:	Design, permitt	ing and c	onstruction of a	pproximatel	y 5,700 feet of 12 to 16-in	ch reclaimed water	
	transmission m	ains and	other necessary	/ appurtenai	nces to supply residential,	commercial and	
	institutional cus	tomers in	the Phase C a	rea of the Si	tarkey Ranch developmer	nt.	
Measurable Benefit:	The Measurabl	e Benefit	, which will be th	ne contractu	al requirement, is the sup	ply of 0.29 mgd of	
	Caution Area (1			se custome	rs in the Northern Tampa	bay water use	
Costs:	Total project co	st: \$913,	600 (Design, pe	rmitting, cor	nstruction)		
	Pasco County:	\$456,800)	0,	,		
	District: \$456,8	00, with \$	336,661 budge	ted in FY20	17, \$11,266 requested in	FY2018, and	
	\$108,873 will b	e request	ed in future yea	Irs.			
Angelia eti en Orgelitar		lication in	Evaluat	tion	formation identified in the	CEL avridalinas	
Application Quality:	High App	Application included all of the required information identified in the CFI guidelines.					
Project Benefit:	High The	Tign I ne supply of 0.29 mgd of reclaimed water in the NTBWUCA.					
Cost Effectiveness:	High \$4.1	11gh \$4.19 per gallon per day capital cost which is below the \$10 to \$15 per gallon average					
	wate	ior alternative supplies. The estimated cost/benefit is \$1.01 per thousand gallons of water resource benefit which is within the cost range for reuse projects which twoically					
	rand	range from a low of \$0,15/1,000 gallons for golf course projects up to ~\$10,00/1,000					
	gallo	ons for re	sidential project	S.	0 1 7 1		
Past Performance:	High Bas	ed on an	assessment of	the schedul	e and budget for 12 ongoi	ng projects.	
Complementary Efforts:	High Pas	co Count	y's reclaimed wa	ater system	includes metering and inc	centive based reuse	
	rate	structure	s for high volum	ne water use	ers and has pro-active rec	laimed water	
	expa	ansion po	blicies which mai	ximize utiliz	ation, water resource ben	efits, and	
Project Readiness	High Proi	ect is one	noing and on scl	hedule			
rejectricuumooo	riigir [110]		Strategic	Goals			
Strategic Goals:	High Str	ategic Ini	tiative - Reclair	med Water:	Maximize beneficial use of	of reclaimed	
Ŭ	wat	er to offs	et potable water	supplies ar	nd restore water levels an	d natural systems.	
	Tar	npa Bay	Region Priority	: Implement	Minimum Flow and Leve	I (MFL) Recovery	
	Stra	ategies.					
Fund on 44 Dringitu		Overa	Ranking and	Recommen	dation		
Fund as 1A Priority.		roject is r	ecommended fo	or funding as	s it reduces reliance on tra	aditional sources in	
			Fundi	na			
Funding Source	Prior		FY201	8	Future	Total	
Pasco County		\$336,661		\$11,266	\$108,873	\$	\$456,800
District		\$336,661		\$11,266	\$108,873	\$	456,800
Total		\$673,322		\$22,532	\$217,746	\$	913,600

Project No. N792	Reclaimed Water - Pasco County River Edge Golf Course and Waters Edge Residential							
Pasco County	Reclaimed	Water Projec	t		FY2018			
Risk Level:	Type 2		Multi-Year	Contract:				
			Yes, Year 2	of 2				
	- ·		Description					
Description:	Design, pe	Jesign, permitting and construction of approximately 19,000 feet of 16-inch reclaimed						
	transmissi	on mains and	other necessary appurtenal	ices to supply a golf coul	rse and residential			
Measurable Benefit:	The Meas	y with reclaime	which will be the contractu	al requirement is the sur	only of 0.40 mad of			
	reclaimed	water for irriga	ation to a golf course and re	sidential customers in the	e Northern Tampa			
	Bay Water	r Use Caution	Area (NTBWUCA).					
Costs:	Total proje	ect cost \$2,500	,000 (design, permitting, ar	d construction)				
	Pasco Co	unty: \$1,250,0	00					
	District: \$	1,250,000; \$20	0,000 budgeted in FY2017	and the remaining \$1,05	50,000 is			
	requested	in FY2018.	-					
Application Quality	Lligh	Application in	Evaluation	formation identified in the				
Application Quality:	⊓ign Lliath		for the required in		e CFI guidelines.			
Project Benefit:	High	The supply of	r 0.40 mga of reclaimed war		• 4 - · ·			
Cost Effectiveness:	Medium	Addium \$10.41 per gallon per day capital costs which is within the \$10 to \$15 per gallon						
		thousand gal	liternative supplies. The est	inated cost enectiveness	erage cost range for			
		reuse projects which typically range from a low of \$0.15/1.000 callons for colf course						
		projects up to	\sim \$10.00/1,000 gallons for	residential projects.				
Past Performance:	High	Based on an	assessment of the schedul	e and budget for 12 ongo	ing projects.			
Complementary Efforts:	High	Pasco Count	y reclaimed water system ir	cludes metering and ince	entive based reuse			
		rate structure	s for high volume water use	ers and has pro-active rec	claimed water			
		expansion po	licies which maximize utiliz	ation, water resource ber	nefits, and			
		environmenta	al benefits.					
Project Readiness	High	Project is ong	poing and on schedule.					
Ctrete via Caala	Llieb		Strategic Goals		of model include			
Strategic Goals:	nigri	Strategic Ini	tiative - Reclaimed water:	Maximize beneficial use	of reclaimed			
		Tampa Bay	Region Priority: Implement	Minimum Flow and Levels and	MEL) Recovery			
		Strategies.	region i nonty. Implement					
		Overal	I Ranking and Recommen	dation				
Fund as 1A Priority.	This ongo	ing project is r	ecommended for funding as	s it reduces reliance on tr	aditional sources in			
	the NTBW	/UCA and is co	ost effective.					
			Funding					
Funding Source	P	rior	FY2018	Future	Total			
Pasco County		\$200,000	\$1,050,000	\$0	\$1,250,000			
District		\$200,000	\$1,050,000	\$0	\$1,250,000			
Total		\$400,000	\$2,100,000	\$0	\$2,500,000			

Project No. N803	WMP - And	lote River Wa	tershed Mana	igement Plar	ı		
Pinellas County						FY2018	
Risk Level:	Туре 3			Multi-Year	Contract:		
			_	Yes, Year 2	of 3		
			Descr	iption			
Description:	Complete	a Watershed N	Aanagement F	Plan (WMP) f	or the Anclote River Wate	rshed in Pinellas	
	County, th	rough and incl	uding floodpla	in analysis, L	evel of Service determina	ition (LOS), Surface	
	Water Res	source Assess	ment (SWRA)	, and Best Ma	anagement Practices (BM	Ps) Alternative	
	Analysis.	FY2018 fundin	g will be used	to complete	the Watershed Evaluation	and start the	
Maaamah la Dawafita	Floodplain	Analysis.					
Measurable Benefit:	The contra	actual Measura	able Benefit w	Ill be the com	pletion of a WMP that ide	ntifies floodplain ,	
	establishe	s level of serv	ice, evaluates	BMPs to add	Iress level of service defic	iencies, and	
	provides a	a geodatabase	with projected	results from	watersned model simulat	tions for floodplain	
Conto	managem	ent and water	quality manag	ement.			
Costs	Dinollog C	cupty: \$400.0					
	District: ¢/	0011119. 5400,00	JU 150 000 buda	otod in provid	NUE VOARE \$150.000 roque	stod in EV2018 and	
	\$100.000	anticinated in	future vears	eleu în previc	Jus years, \$150,000 reque	steu in Fi zu to anu	
	ψ100,000		Evalu	ation			
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.	
Project Benefit:	High	The WMP will analyze flooding problems that exist in the watershed. Currently, flood					
-	Ū	analysis models are not available and the watershed includes regional or intermediate					
		stormwater s	ystems.		-		
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than					
		\$50,000/sq mi) for WMPs completed in urban watersheds.					
Past Performance:	Medium	Based on an	assessment o	f the schedu	e and budget for the 4 on	going projects.	
Complementary Efforts:	High	Cooperator's	Community R	ating System	class is 5 and is in the 5	or better range.	
Project Readiness:	High	The project is	s ongoing and	on schedule.			
			Strategi	c Goals		-	
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Ass	sessment and Planning:	Collect and	
		analyze data	to determine	local and reg	lional water quality status	and trends to	
		support reso	urce manager	nent decisior	is and restoration initiative	estatein	
		strategic in	tiative - Floot	ipiain Manag	gement. Develop beller in	nointain storage and	
			and implement	. 11000piain m zo flood dam	anagement programs to r	naintain storage and	
		Conveyance			aye.		
		Overal	Ranking and	Recommen	dation		
Fund as 1A Priority.	This proje	ct identifies flo	od risk in an a	rea with no c	letailed study information	available The	
,	resulting r	product will be	utilized for floo	od insurance	determination, help imple	ment solutions that	
	alleviate flood risk and improve water guality, and enhance the planning of future development in						
	the projec	t area.	•	1 37	1 0	·	
			Fund	ding			
Funding Source	P	rior	FY20	18	Future	Total	
District		\$150,000		\$150,000	\$100,000	\$400,000	
Pinellas County		\$150,000		\$150,000	\$100,000	\$400,000	
Total		\$300,000		\$300,000	\$200,000	\$800,000	

Project No. N804	Reclaimed	Reclaimed Water - Hillsborough County Reclaimed Water Sun City Golf Course					
Hillsborough County	Expansion	l			FY2018		
Risk Level:	Type 2		Multi-Year	Contract:			
			Yes, Year 2	of 2			
			Description				
Description:	Constructi	on of approxin	nately 15,500 feet of 6 to 16	6-inch reclaimed water trai	nsmission mains		
	and other	necessary app	ourtenances to provide an a	Ilternative supply for the ir	rigation of seven golf		
Moosurable Repofit:	Courses IC	cated at Sun C	Lity Center in Hillsborougn	County.	volu of 2.0 mad of		
measurable beliefit.	reclaimed	water to sever	, which will be the contraction existing colf courses local	ted within the Most Impac	ted Area (MIA) of		
	the South	ern Water Use	Caution Area (SWUCA)				
Costs:	Total Proje	ect Cost: \$4,50	0,000 (Construction only)				
	Hillsborou	gh County: \$2	,250,000				
	District: \$2	2,250,000, with	n \$1,125,000 budgeted in F	Y2017 and \$1,125,000 re	quested in		
	FY2018.						
			Evaluation				
Application Quality:	High	Application in	icluded all the required info	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	The supply o	f 2.00 mgd of reclaimed wa	ter in the SWUCA.			
Cost Effectiveness:	High	\$3.07 per gallon per day capital cost which is below the \$10 to \$15 per gallon average					
		for alternative supplies. The estimated cost effectiveness is \$0.74 per thousand gallons					
		of water resource benefit which is within the cost range for reuse projects which					
		typically range from a low of \$0.15/1,000 gallons for golf course projects up to					
Past Performance:	Medium	b 10.00/ 1,000 gallons for residential projects. Based on an assessment of the schedule and hudget for 10 engoing projects.					
Complementary Efforts:	High	Hillsborough	County's reclaimed water s	system includes metering	and incentive based		
Complementary Errorte.	riigii	reuse rate str	uctures for high volume wa	iter users and has pro-act	ive reclaimed water		
		expansion po	licies which maximize utiliz	ation, water resource ben	efits, and		
		environmenta	al benefits.		·		
Project Readiness:	Medium	Project is exp	pected to begin on or before	e March 1, 2017			
		r	Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Reclaimed Water:	Maximize beneficial use of	of reclaimed		
		water to offs	et potable water supplies a	nd restore water levels an	d natural systems.		
		Tampa Bay	Region Priority: Improve L	ake Thonotosassa, Tampa	a Bay, Lake Tarpon		
		and Lake Se	minole.				
		Southern Re	egion Priority: Implement S	Southern Water Use Cauti	on Area (SWUCA)		
		Recovery St	rategy.	detion			
Fund as 1A Priority	This proje	ct is recomme	nded for funding as it reduc	es reliance on traditional	supplies in the MIA		
r and do intrinointy.	of the SW	UCA.	naca for funding as it reduc				
			Funding				
Funding Source	Р	rior	FY2018	Future	Total		
Hillsborough County		\$1,125,000	\$1,125,000	\$0	\$2,250,000		
District		\$1,125,000	\$1,125,000	\$0	\$2,250,000		
Total		\$2,250,000	\$2,250,000	\$0	\$4,500,000		

Project No. N817	Reclaimed	Water - Hillsb	orough Coun	ty Reclaimed	d Water Major User Con	nections		
Hillsborough County						FY2018		
Risk Level:	Type 2			Multi-Year (Contract:			
				Yes, Year 2	of 2			
			Descri	iption				
Description:	Design, pe	ermitting and c	onstruction of	approximatel	y 2,600 feet of 6 to 10-ind	ch reclaimed water		
	transmissi	ion mains and	other necessa	ry appurtenai	nces to provide an alterna	ative supply for the		
	irrigation of	of two golf cour	two golf courses located at the Tournament Players Club and the Summertree					
Measurable Benefit:	The Meas	GOILCIUD.	which will bo	the contractu	al requirement is the sur	anly of 0.15 mad of		
measurable Denent.	reclaimed	water at two o	olf courses lo	cated respect	ively within the Northern	Tampa Bay Water		
	Use Cauti	on Area (NTB)	VUCA) and wi	thin the Most	Impacted Area (MIA) of	the Southern Water		
	Use Cauti	on Area (SWU	CA).		······································			
Costs:	Total Proje	ect Cost: \$1,00	0,000 (Design	n, Permitting a	and Construction)			
	Hillsborou	igh County: \$5	00,000					
	District: \$	500,000 with \$	250,000 budge	eted in FY201	17 and \$250,000 requester	ed in FY2018.		
			Evalu	ation				
Application Quality:	Medium	Application in	cluded most c	of the required	information identified in	the CFI guidelines.		
Project Benefit	Hiah	The supply of	f 0 15 mgd of i	reclaimed wa	ter in the SWUCA and N	TRWUCA		
Cost Effectiveness:	Medium	\$11 11 per ga	llon per dav c	apital cost wh	hich is within the \$10 to \$	15 per gallon average		
	meanann	for alternative	for alternative supplies. The estimated cost effectiveness is \$2.68 per thousand callons					
		of water reso	of water resource benefit which is within the cost range for reuse projects which					
		typically range from a low of \$0.15/1,000 gallons for golf course projects up to ~						
		\$10.00/1,000 gallons for residential projects. Although the project appears cost						
		effective, the	effective, the project costs are above the range for similarly funded District projects.					
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for 10 ongo	ing projects.		
Complementary Efforts:	High	Hillsborough	County's recla	imed water s	ystem includes metering	and incentive based		
			licies which m	jii volume wa avimiza utiliz	ation water resource ber	appreciaimed water		
		environmenta	al benefits.					
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2016.			
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed		
		water to offse	et potable wat	er supplies ar	nd restore water levels ar	nd natural systems.		
		Tampa Bay	Region Priorit	ty: Improve La	ake Thonotosassa, Tamp	a Bay, Lake Tarpon		
		and Lake Se	minole.					
		Boowery St	egion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)		
		Overal	l Ranking and	Recommen	dation			
Fund as 1A Priority.	Project is	recommended	for funding as	s it reduces re	eliance on traditional sour	ces in the		
	NTBWUC	A and the MIA	of the SWUC	Α				
			Func	ling				
Funding Source	Р	rior	FY20	18	Future	Total		
Hillsborough County		\$250,000		\$250,000	\$0	\$500,000		
District		\$250,000		\$250,000	\$0	\$500,000		
Total		\$500,000		\$500,000	\$0	\$1,000,000		

Project No. N828	SW IMP - V	- Water Quality - McKay Creek Water Quality Improvements near Hickory Lane					
Pinellas County					FY2018		
Risk Level:	Type 2		Multi-Year Yes, Year 2	Contract: of 2			
	-		Description				
Description:	Constructi	Construction of stormwater BMPs to improve water quality in McKay Creek located in Pinellas					
	county. I	he County will on.	be using land acquisition c	osts as part of their fundin	g match for		
Measurable Benefit:	The contra	actual Measura	able Benefit will be the cons	struction of stormwater BN	IPs to treat		
	approxima	ately 3,824 acr	es of highly urbanized storr	nwater runoff. There will b	be no monitoring or		
O s a tax	performar	nce testing requ	uirements.	· · · · · · · · · · · · · · · · · · ·			
Costs:	Iotal proje	ect cost: \$600,0	000 (Land acquisition and c	construction)			
	FINEIIAS C						
	District: \$2	200,000 with \$	100,000 budgeted in previo	ous years, and \$100,000 r	equested in		
	FY2018.		· · · ·	• • • •	•		
			Evaluation				
Application Quality:	Medium	Application in	cluded most of the required	d information identified in	the CFI guidelines.		
Broject Bopofit	Hiah	District PM/CM had to work with cooperator to obtain remaining required information.					
Project Benefit.	riigii	an estimated 6,301 lb/yr TSS, and 157 lb/yr TN.					
Cost Effectiveness:	High	The estimated cost/lb of TSS and TN removed is lower than the historical average of					
		\$12/lb TSS and \$224/lb TN, and the cost/acre treated is below the historical average					
De et De efermene	Madium	cost of \$8,050	D/acre treated for Urban/Su	Iburban projects.			
Past Performance:	High	Based on an	assessment of the schedul	ility that collects food	going projects.		
Droject Readiness	High	Project is on	as an active stornwater ut	inty that collects lees.			
Project Readiness.	піцп		Stratogic Goals				
Strategic Goals	Medium	Stratogic Ini	tiativo - Wator Quality Mai	ntonanco and Improvom	ont: Develop		
otrategic obais.	INCULIII	and impleme	nt programs, projects and	regulations to maintain an	d improve water		
		quality.					
		Overal	I Ranking and Recommer	dation			
Fund as 1A Priority.	This ongo	ing project has	an effective sediment and	nutrient removal cost, an	d will continue		
	efforts by	the County to I	reduce stormwater impacts	to McKay Creek.			
			Funding				
Funding Source	P	rior	FY2018	Future	Total		
FDU1 District		\$100,000	\$100,000	\$0	\$200,000		
District Diselles County		\$100,000	\$100,000	\$0	\$200,000		
		৯ r6∠,500 \$362,500	৯০7,500 \$237,500	\$0 \$0	\$200,000 \$600,000		

Madeira Beach FY2018 Risk Level: Type 3 Multi-Year Contract: Yes, Year 2 of 2 Description: Design, permitting, and construction of stormwater retrofit BMPs in City of Madeira Beach to improve water quality. Measurable Benefit: The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73
Risk Level: Type 3 Multi-Year Contract: Yes, Year 2 of 2 Description: Design, permitting, and construction of stormwater retrofit BMPs in City of Madeira Beach to improve water quality. Measurable Benefit: The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73
Description Description: Design, permitting, and construction of stormwater retrofit BMPs in City of Madeira Beach to improve water quality. Measurable Benefit: The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73
Description: Design, permitting, and construction of stormwater retrofit BMPs in City of Madeira Beach to improve water quality. Measurable Benefit: The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73
Measurable Benefit: The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73
acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.
Costs: Total project cost: \$935,000 (Design, permitting, construction) City of Madeira Beach: \$467,500 District: \$467,500, with \$207,500 budgeted in previous years, and \$260,000 requested in FY2018.
Evaluation
Application Quality:HighApplication included all the required information identified in the CFI Guidelines.
Project Benefit: Medium The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 1,648 lb/yr TSS, and 34.4 Ib/yr TN.
Cost Effectiveness: Low The estimated cost/lb of TSS and TN removed is higher than the historical average of \$20/lb TSS and \$646/lb TN, and the cost/acre treated is above the historical average cost of \$46,947/acre treated for Coastal/LID projects.
Past Performance: High Based on the cooperator having no ongoing projects with the District they are ranked high.
Complementary Efforts: High The City has an active stormwater utility that collects fees.
Project Readiness: High Project is ongoing and on schedule.
Strategic Goals
Strategic Goals: High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. Additional Additiona Additiona Additional Additional Additiona Additiona
Overall Ranking and Recommendation
Fund as 1A Priority. This ongoing project will continue efforts by the City to reduce stormwater impacts to Boca Ciega Bay and Tampa Bay.
Funding
Funding Source Prior FY2018 Future Total
City of Madeira Beach \$207,500 \$260,000 \$0 \$467,500
District \$207,500 \$260,000 \$0 \$467,500 Total \$415,000 \$520,000 \$0 \$935,000

Project No. N846	Conservat	ion - Polk Cou	inty Landscap	e and Irrigat	tion Evaluation			
Polk County						FY201		
Risk Level:	Type 1			Multi-Year	Contract: No			
			Descri	ption				
Description:	This proje	This project will make available approximately 300 irrigation system evaluations to single family.						
	multi-famil	y, and comme	rcial customer	s. This will in	clude program administra	tion and		
	evaluation	s with recomm	nendations for	optimizing the	e use of water outdoors tl	nrough		
	Florida-Fri	endly Landsca	aping practices	and other ef	ficient irrigation best man	agement practices.		
	Approxima	ately 150 rain s	sensor devices	will be provi	ded and installed for proje	ect participants who		
	do not hav	e a functioning	g device. Also	included are	educational materials, pro	ogram promotion,		
	follow-up e	evaluations, ar	nd surveys nec	essary to en	sure the success of the pl	rogram.		
Macaurable Banafiti		ately 300 conse	ervation kits wi	ll also de ma	de available to project pa	nicipants.		
weasurable benefit.	a final ren	ort	adie Benefit wi	ii be impieme	entation of the program ar	ia the completion of		
Costs:	Total proje	ect cost: \$85,00	00					
	Polk Cour	County: \$42.500						
	District: \$4	District: \$42,500						
	Evaluation							
Application Quality:	High	Application included all the required information identified in the CFI Guidelines						
Project Benefit:	High	The benefit o	The benefit of the project is the conservation of approximately 42,000 gallons per day					
		in the Southe	rn Water Use	Caution Area	(SWUCA).			
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00) per thousand gallons sa	ved.		
Past Performance:	High	Based on the	assessment c	of the schedu	le and budget for the 8 or	ngoing projects		
Complementary Efforts:	Medium	Cooperator P	er capita is be	tween 75 - 12	25 gpcd.			
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1, 2018			
		1	Strategio	: Goals				
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation: Enl	nance efficiencies in all w	ater-use sectors.		
		Heartland R	egion Priority	: Implement S	Southern Water Use Caut	ion Area (SWUCA)		
		Recovery St	rategy.					
		Overal	II Ranking and	Recommen	dation			
Fund as High Priority.	Project wi	Il conserve pot	table water sup	oply in the SV	VUCA and is cost effectiv	e		
Engline Original			Fund	11ng 4.0	Estan	Tadal		
Funding Source	P	rior	F Y 20	10 0 40 500	Future			
		\$0		\$42,500	\$0	\$42,50		
		\$U ¢∩		942,500 \$85,000	ຽປ ເ	۵42,500 دوج ۱۵۵		
Iotal		Ф О		φορ,υυυ	Φ Ο	J \$05,000		

Project No. N856	WMP - Jack Creek Watershed Management Plan								
Highlands County			-			FY2018			
Risk Level:	Type 4			Multi-Year	Contract:	20 . 0			
		Yes, 3							
		Description							
Description:	Complete	Complete a Watershed Management Plan (WMP) for the Jack creek Josephine Creek watershed							
	in Highlan	in Highlands County, through and including floodplain analysis, Level of Service determination							
	(LOS), and	(LOS), and Best Management Practices (BMPs) alternative analysis. FY2018 funding will be							
	used to co	used to complete the watershed evaluation and begin the floodplain analysis. This will identify							
	the floodin	the flooding concerns in both the Lake Hill and Jack Creek areas.							
Measurable Benefit:	The comp	letion of a WM	P that will dev	elop better flo	oodplain information and i	mplement floodplain			
	managem	ent programs f	o maintain sto	rage and cor	veyance and to minimize	flood damage.			
Costs:	Multi-year	with future fur	ding:						
	Total proje	ect cost: \$600,0	000						
	Highlands	County: \$150	000						
	DISTRICT: \$4	150,000 requested in F	V2019 and ¢	200 000 antia	includ to be requested in	future vecre			
	\$150,000	requested in F	12016, and \$3	otion	apated to be requested in	luture years.			
Application Quality:	Madium			atton f the required	l information identified in t	the CEL quidelines			
Application quality.	Medium	District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information			
Project Benefit:	Hiah	The WMP wil	l analyze flood	ling problems	that exist in the watershe	ed. Currently, flood			
		analvsis mod	els are not ava	ailable or are	over 10 years old, and the	e watershed includes			
		regional or in	termediate sto	rmwater syst	ems.				
Cost Effectiveness:	High	Project cost p	er square mile	e is below the	mid-range of historic cos	ts (\$20,000 / sq mi			
	-	or less) for WMPs completed in rural watersheds.							
Past Performance:	High	h Based on an assessment of the schedule and budget for the 1 ongoing project.							
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 8 and is in the 6	to 9 range.			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017				
		1	Strategio	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	odplain			
		information a	ind implement	floodplain m	anagement programs to n	naintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		Strategic Ini	tiative - Emer	gency Flood	Response: Operate Disti				
		and water co		uctures, prov	nuing effective and efficier	lt assistance to state			
		major storm			i minimize noou uamage (uning and alter			
		Heartland P	events. Agion Priority	· Improvo Dic	lao Lakos Wintor Havon	Chain of Lakos and			
		Peace Creek	Canal		ige Lakes, willer Haven				
		Overal	Ranking and	Recommen	dation				
Fund as High Priority.	This proje	ct identifies flo	od risk in an a	rea with no d	etailed study information	available. The			
	resulting p	product will be	utilized for floo	d insurance	determination, help imple	ment solutions that			
	alleviate fl	ood risk and ir	nprove water o	quality, and e	nhance the planning of fu	ture development in			
	the projec	t area. Highlar	ds County qua	alifies for a 7	5% cost share as a REDI	community as			
	defined by	/ Florida Statut	e. Under Distr	ict Policy 130)-4, the Board can reduce	the requirements			
	for matchi	ng funds for R	EDI communit	ies.					
			Fund	ling					
Funding Source	P	rior	FY20	18	Future	Total			
Highlands County		\$0		\$50,000	\$100,000	\$150,000			
District		\$0		\$150,000	\$300,000	\$450,000			
I Total		\$0		\$200,000	\$400,000	ֆԵՍՍ,000			

Project No. N862	Reclaimed W	ater - Polk	County NERUSA CR 547	Reclaimed Water Transm	ission Project				
Polk County Utilities					FY2018				
Risk Level:	Type 2	Type 2 Multi-Year Contract:							
		Yes, Year 1 of 2							
		Description							
Description:	Design, perm	nitting and c	onstruction of approxima	ely 6,900 feet of 10 - 16 inc	ch reclaimed water				
	transmission	mains and	other necessary appurter	nances to supply approximation of the second s	itely 1,060				
	Areas of NEF	RUSA.		eserve, Greenneid village a	ind Shell Property				
Measurable Benefit:	The Measura	ble Benefit	, which will be the contra	tual requirement, is the sur	oply 0.377 mgd of				
	reclaimed wa	ater to reside	ential customers in the "F	idge Area" of the Central F	lorida Water				
	Initiative (CF	WI).							
Costs:	Total project	cost: \$869,	500 (Design, Permitting,	Construction)					
	Polk County:	\$434,750		240 and \$2004 750 antiain at	and the first same				
	District: \$434	,750 with \$	50,000 requested in FY2	J18 and \$384,750 anticipat	ed in tuture				
	years.		Evaluation						
Application Quality:	High A	pplication in	cluded the required infor	mation identified in the CFI	guidelines.				
Proiect Benefit:	High TI	he supply o	f 0.377 mgd of reclaimed	water to residential custom	ers in the "Ridge				
	A	Area" of the CFWI.							
Cost Effectiveness:	High \$2	2.73 per gal	lon per day capital cost v	hich is below the \$10 to \$1	5 per gallon average				
	fo	for alternative supplies. The estimated cost effectiveness is \$0.66 per thousand gallons							
	of	of water resource benefit which is within the cost range for reuse projects which							
	ty	pically rang	e from a low of \$0.15/1,0	UU gallons for golf course p	rojects up to				
Past Performance:		ased on an	assessment of the scher	ule and budget for 8 ongoir	na projects				
Complementary Efforts:	High P	olk County's	s reclaimed water system	includes metering and ince	entive based reuse				
	ra	ite structure	s for high volume water u	isers and has pro-active red	claimed water				
	ex	kpansion po	licies which maximize uti	lization, water resource ber	nefits, and				
	er	nvironmenta	al benefits.						
Project Readiness:	High P	roject is rea	dy to begin on or before	December 1, 2017.					
			Strategic Goals						
Strategic Goals:	High S	trategic Ini	tiative - Reclaimed Wate	r: Maximize beneficial use	of reclaimed				
	×	ater to offs	et potable water supplies	and restore water levels an	id natural systems .				
		Peace Creek	c Canal	Ridge Lakes, winter Haven	Chain of Lakes and				
	11	Overal	Ranking and Recomm	endation					
Fund as High Priority.	The project is	s recommer	nded for funding as it red	uces reliance on traditional	water sources in the				
	CFWI and is	cost effectiv	ve.						
			Funding						
Funding Source	Prio	r	FY2018	Future	Total				
District		\$0	\$50,00	0 \$384,750	\$434,750				
Polk County		\$0	\$50,00	0 \$384,750	\$434,750				
Total		\$0	\$100,00	iuj \$769,500	\$869,500				

Project No. N868	Reclaimed Water - Polk	Reclaimed Water - Polk County NERUSA Ernie Caldwell Blvd Reclaimed Water						
Polk County Utilities	Transmission Project			FY2018				
Risk Level:	: Туре 2	Type 2 Multi-Year Contract: No						
		Description						
Description:	Design, permitting and o transmission mains and residential irrigation cus	Design, permitting and construction of approximately 10,300 feet of 16 -24 inch reclaimed water transmission mains and other necessary appurtenances to supply approximately 1,100 residential irrigation customers in the Ridgewood Lake DRI Property Areas of NERUSA.						
Measurable Benefit:	The Measurable Benefit reclaimed water to resid Initiative (CFWI).	The Measurable Benefit, which will be the contractual requirement, is the supply 0.414 mgd of reclaimed water to residential customers in the "Ridge Area" of the Central Florida Water Initiative (CFWI).						
Costs:	Total project cost: \$2,11 District: \$1,056,500 Polk County: \$1,056,50	3,000 (Design, Permitting, Co)	onstruction)					
		Evaluation						
Application Quality:	High Application in	ncluded the required informat	tion identified in the CFI	guidelines.				
Project Benefit:	High The supply of Area" of the	gh The supply of 0.414 mgd of reclaimed water to residential customers in the "Ridge Area" of the CFWI.						
Cost Effectiveness:	High \$6.40 per ga for alternativ of water reso typically rang \$10.00/1,000	3. \$6.40 per gallon per day capital cost which is below the \$10 to \$15 per gallon average for alternative supplies. The estimated cost effectiveness is \$1.54 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course projects up to \$10,00/1,000 gallons for residential projects						
Past Performance:	High Based on an	assessment of the schedule	and budget for 8 ongoin	g projects.				
Complementary Efforts:	High Polk County rate structure expansion po environment	s reclaimed water system inc s for high volume water user blicies which maximize utiliza al benefits.	cludes metering and ince rs and has pro-active rec tion, water resource ben	ntive based reuse laimed water efits, and				
Project Readiness:	High Project is rea	idy to begin on or before Dec	ember 1, 2017.					
Strategic Goals:	High Strategic In water to offs Heartland F	Strategic Goals itiative - Reclaimed Water: N et potable water supplies and egion Priority: Improve Ridg	Maximize beneficial use o d restore water levels an ge Lakes, Winter Haven	of reclaimed d natural systems . Chain of Lakes and				
	Peace Cree	k Canal.						
Fund as High Priority.	Overa The project is recomme CFWI and is cost effect	II Ranking and Recommend nded for funding as it reduce ve.	lation s reliance on traditional v	water sources in the				
		Funding						
Funding Source	Prior	FY2018	Future	Total				
District	\$0	\$1,056,500	\$0	\$1,056,500				
	\$0 در	\$1,056,500	\$0 ແມ	\$1,056,500 \$2,113,000				
Total	\$0	\$2,113,000	\$0	\$2,113,000				

Project No. N880	WMP - For	t Meade Wate	rshed Management Plan						
Ft. Meade					FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
		Yes, Year 1 of 2							
		Description							
Description:	Complete	Complete the Watershed Management Plan (WMP) for the Fort Meade Watershed in the City of							
	Fort Mead	Fort Meade. FY2018 funding will be used to complete the WMP through data collection and							
	initial GIS	nitial GIS processing. Future funds will be needed to complete a geodatabase of model features,							
	model par	ameterization,	floodplain modeling and de	elineation, Surface Water	Resource				
	Assessme	nt, Level of Se	ervice determination, and B	est Management Practice	alternative analysis				
Maggurahla Banafiti	tasks.		hle Denefit will be eweter						
measurable Benefit:	informatio		able Benefit will be a waters	shed model and floodplain	i analysis;				
Costs	Total proje	n that is childa		ou damage and cost elled	clive alternatives.				
00313.	City of For	t Meade: \$40	000						
	District: \$1	120 000 (75%	REDI) with \$60 000 reques	ted in EY2018 and \$60.0	00 anticipated to				
	be reques	ted in future ve	ears.						
		,	Evaluation						
Application Quality:	High	Application in	cluded all the required info	rmation identified in the C	FI Guidelines				
Proiect Benefit:	High	igh The WMP will analyze flooding problems that exist in the watershed. Currently, flood							
	Ū	analysis mod	els are not available or are	over 10 years old, and the	e watershed includes				
		regional or in	termediate stormwater syst	ems.					
Cost Effectiveness:	High	Project cost p	per square mile is below the	e mid-range of historic cos	sts (\$30,000 / sq mi				
		or less) for WMPs completed in urban watersheds.							
Past Performance:	High	Based on coo	operator having no ongoing	projects with the District	they are ranked high.				
Complementary Efforts:	Low	Cooperator is	not participating in CRS p	rogram.					
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
		r	Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain				
		information a	and implement floodplain m	anagement programs to r	naintain storage and				
		conveyance	and to minimize flood dama	age.					
		Overal	I Ranking and Recommen	dation					
Fund as High Priority.	This proje	ct identifies flo	od risk in an area with no d	etailed study information	available. The				
	resulting p	product will be	utilized for flood insurance	determination, help imple	ment solutions that				
	alleviate fl	ood risk and ir	nprove water quality, and e	nhance the planning of fu	ture development in				
	the projec	t area. Fort Me	ade qualifies for a 75% co	st snare as a REDI comm	unity as defined by				
	FIORIDA Statute. Under District Policy 130-4, the Board can reduce the requirements for								
	matering		Funding						
Funding Source	Р	rior	FY2018	Future	Total				
Fort Meade		\$0	\$20.000	\$20.000	\$40.000				
District		\$0 \$0	\$60,000	\$60.000	\$120,000				
Total		\$0 \$0	\$80,000	\$80,000	\$160,000				

Project No. N888	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility						
Haines City					FY2018		
Risk Level:	Туре 2		Multi-Yea	r Contract:			
		Yes, Year 1 of 2					
			Description				
Description:	Evaluation	of reclaimed	water recharge sites, cor	ponents and advanced treater	atment necessary to		
	assist in m	eeting Minimu	m Flows and Levels (MF	Ls) on Lake Eva in the "Rid	ge Lakes" area of		
	the CFWI.						
Measurable Benefit:	The contra	actual Measura	able Benefit will be a feas	sibility study to evaluate the	MFL benefits of		
Costs	Total proid	water recharge	e options to improve the	Ridge Lakes area.			
00515.	Haines Cit	tv (25%) [,] \$75 ()00. (Sludy))00. (Eligible REDI Comn	uunity)			
	District (7	5%): \$225.000	of which \$112,500 is re	puested in FY2018 and \$11	2.500 is		
	anticipated	d to be request	ted in future fiscal years.		_,000.0		
	·	·	Evaluation				
Application Quality:	Medium	Application in	cluded most of the requi	red information identified in	the CFI guidelines.		
		District PM/C	M had to work with the c	poperator to obtain the remain	aining required		
		information.					
Project Benefit:	High	Study will pro	vide data to evaluate po	ential sites, components, co	osts and benefits of		
		up to 0.7 mgc	of reclaimed water recr	arge options to assist in me	eting MFLS on Lake		
Cost Effectiveness	High	The project of	osts are consistent with t	PTINE of costs for similar	dy funded District		
	riigii	projects.					
Past Performance:	High	gh Based on the cooperator having no ongoing projects with the District they are ranked					
		High.					
Complementary Efforts:	High	Haines City's	reclaimed water system	includes metering and ince	ntive based reuse		
		rate structure	s for high volume water	lisers and has pro-active rec	claimed water		
		environmenta	al henefits		ients, anu		
Project Readiness:	High	Project is rea	dy to begin on or before	December 1, 2017.			
-	-	-	Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Reclaimed Wate	er: Maximize beneficial use	of reclaimed		
		water to offse	et potable water supplies	and restore water levels ar	nd natural systems.		
		Heartland R	egion Priority: Improve	Ridge Lakes, Winter Haven	Chain of Lakes and		
		Peace Creek	Canal.				
Fund on High Drigrity	The project	Overal	I Ranking and Recomm	endation			
Fullu as high Fholity.	recharge	ct is recommen	ided for funding as it will if constructed would ass	st in meeting MELs on Lake	Fireclaimed water		
	l akes" are	ea of the CEW	Haines City qualifies for	r a 75% cost share as a RE	DI community as		
	defined by Florida Statute. Under District Policy 130-4 the Board can reduce the requirements						
	for matchi	ng funds for R	EDI communities.	· · · · · · · · · · · · · · · · · · ·			
			Funding				
Funding Source	Р	rior	FY2018	Future	Total		
District		\$0	\$112,5	\$112,500	\$225,000		
Haines City REDI		\$0	\$37,5	\$37,500	\$75,000		
Total		\$0	\$150,0	00 \$1 <u>50,000</u>	\$300,000		

Project No. N899	Study - Polk County Reclaimed Water Recharge Study in Dover/Plant City WUCA &							
Polk County Utilities	Northwest	Polk Areas					FY2018	
Risk Level:	Type 2	Ype 2 Multi-Year Contract: Yes, 1 of 2						
			Descri	ption				
Description:	This project develop a recharge of Northwest County an supply and supply opt in summer as part of FY2018. F concept. F activities n performan and permi The contra by Polk Co	This project request is for the second phase of an ongoing feasibility study by Polk County to develop a reclaimed water project concept to utilize up to 1.5 mgd of reclaimed water for aquifer recharge or other innovative methods to supplement groundwater supplies in Polk County's Northwest Regional Utility Service Area (NWRUSA). Phase 1 of this study was funded by the County and is ongoing in FY2017. Phase 1 includes: a review of the potential reclaimed water supply and recharge project options in the NWRUSA; and a desktop analysis of those water supply options, including costs, regulatory feasibility, and operation. Upon completion of Phase I in summer 2017, the County will select which reclaimed water supply option to further evaluate as part of a pilot study. Phase 2 of this study proposes to include District funding and begin in FY2018. Phase 2 will include a field scale investigation of the selected water supply project concept. Pilot testing and/or aquifer recharge testing will be included in this phase. Additional activities may include installing recharge and monitoring wells, collecting lithologic cores, aquifer performance testing and groundwater modeling. Phase 2 will also include the conceptual design and permitting of the selected reclaimed water supply/recharge project. The contractual Measurable Benefit will include the completion of a field scale feasibility study by Polk County to develop a reclaimed water project concept to utilize up to 1.5 mgd of						
Costs:	reclaimed and the co Total proje design, pe	reclaimed water for aquifer recharge or to supplement groundwater supplies in the CFWI region, and the conceptual design and permitting of the selected project. Total project cost: \$1,098,000 (Feasibility study, field-scale investigation/pilot testing, conceptual design, permitting)						
	Polk Coun	District: \$500,000 with \$250,000 requested in FY2018 and \$250,000 anticipated in FY2019. Polk County: \$500,000						
Application Quality:	High	Application in	cluded the reg	uired informa	tion identified in the CFI	guidelines.		
Project Benefit:	High	The project be reclaimed war recharge or to	enefit is the co ter project con o supplement (ompletion of a cept to utilize groundwater s	field scale feasibility stud up to 1.5 mgd of reclaim upplies in the CFWI regio	ly to develop a ed water for aquifer on.		
Cost Effectiveness:	High	The costs are	consistent wit	th the range o	f costs for similarly funde	d District projects.		
Past Performance:	High	Based on an	assessment of	f schedule an	d budget for 8 ongoing pr	ojects.		
Complementary Efforts:	High	Polk County's rate structure expansion po environmenta	s reclaimed wa s for high volu licies which m I benefits.	iter system ind me water use aximize utiliza	cludes metering and ince rs and has pro-active rec tion, water resource ben	ntive based reuse laimed water efits, and		
Project Readiness:	High	Phase 1 of th December 1,	is study is curr 2017.	ently ongoing	. Phase 2 of this project i	s ready to begin on		
	Llink		Strategio	c Goals				
Strategic Goals:	High Strategic Initiative - Alternative Water Supplies: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems . Heartland Region Priority: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.							
	High	Strategic Ini alternative so Strategic Ini water to offse Heartland Re Recovery Str	ources of wate tiative - Recla et potable wate egion Priority rategy.	native Water S r to ensure gr imed Water: I er supplies an : Implement S	Supplies: Increase develo oundwater and surface w Maximize beneficial use o d restore water levels and outhern Water Use Cauti	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA)		
	Tign	Strategic Ini alternative so Strategic Ini water to offse Heartland Re Recovery Str Overal	ources of wate tiative - Recla et potable wate egion Priority rategy. I Ranking and	native Water S r to ensure gr imed Water: I er supplies an : Implement S	Supplies: Increase develo oundwater and surface w Maximize beneficial use o d restore water levels and outhern Water Use Cauti	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA)		
Fund as High Priority.	The project mgd of rece	Strategic Ini alternative so Strategic Ini water to offse Heartland Ro Recovery Str Overal st is recommen- claimed water f	burces of wate tiative - Recla et potable wate egion Priority rategy. I Ranking and ided for fundin for recharge of	native Water S r to ensure gr imed Water: I er supplies an : Implement S I Recommend og as it will dev r to support gr	Supplies: Increase develo oundwater and surface w Maximize beneficial use of d restore water levels and outhern Water Use Cauti lation velop a project concept to oundwater supplies in the	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA) o utilize up to 1.5 e CFWI and is cost		
Fund as High Priority.	The project mgd of rec effective.	Strategic Ini alternative so Strategic Ini water to offse Heartland Re Recovery Str Overal et is recomment claimed water to	burces of wate tiative - Recla et potable wate egion Priority rategy. I Ranking and ided for fundin for recharge of Fund	native Water S r to ensure gr imed Water: I er supplies an : Implement S I Recommend g as it will dev r to support gr	Supplies: Increase develo oundwater and surface w Maximize beneficial use of d restore water levels and outhern Water Use Cauti dation velop a project concept to oundwater supplies in the	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA) o utilize up to 1.5 e CFWI and is cost		
Fund as High Priority.	The project mgd of receiption of the project mgd of receiption of the project mgd of receiption of the project mgd of the proje	Strategic Ini alternative so Strategic Ini water to offse Heartland Ro Recovery Str Overal ot is recommen claimed water for rior	burces of wate tiative - Recla et potable wate egion Priority rategy. I Ranking and inded for fundin for recharge of Fund FY20	native Water S r to ensure gr imed Water: I er supplies an : Implement S I Recommend g as it will dev r to support gr ling 18	Supplies: Increase develo oundwater and surface w Maximize beneficial use of d restore water levels and outhern Water Use Cauti lation velop a project concept to oundwater supplies in the Future	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA) o utilize up to 1.5 e CFWI and is cost Total		
Fund as High Priority. Funding Source Polk County	The project mgd of rect effective.	Strategic Ini alternative so Strategic Ini water to offse Heartland Re Recovery Str Overal ct is recommen- claimed water for \$98,000	ources of wate tiative - Recla et potable wate egion Priority rategy. I Ranking and ded for fundin for recharge of Fund FY20	ative Water S r to ensure gr imed Water: I er supplies an : Implement S I Recommend g as it will dev r to support gr ling 18 \$250,000	Supplies: Increase development oundwater and surface w Maximize beneficial use of d restore water levels and outhern Water Use Cauti lation /elop a project concept to oundwater supplies in the Future \$250,000	opment of vater sustainability. of reclaimed d natural systems . ion Area (SWUCA) o utilize up to 1.5 e CFWI and is cost Total \$	598,000	

Project No. N917	WMP - Frostproof Watershed Management Plan								
Frostproof					FY2018				
Risk Level:	Туре 3		Multi-Yea	ar Contract:					
			Yes, Yea	r 1 of 2					
		Description							
Description:	Complete	Complete the Watershed Management Plan (WMP) for the Frostproof Watershed in the City of							
	Frostproof	Frostproof. FY2018 funding will be used to complete Watershed Evaluation tasks through the							
	data collec	lata collection and initial GIS processing tasks. Future funding will be needed to complete WMP							
	tasks inclu	ding a SWRA,	LOS determination and	BMP alternative analysis. T	he City has				
	requested	requested to be in the lead role for this project and will be responsible for retaining consultants to							
Management la Davia 64	perform pr	oject tasks.							
Measurable Benefit:	The contra	ictual Measura	able Benefit will be a wat	ershed model and floodplair	n analysis;				
Casta	Information	that is critica	I to better identify risk of	flood damage and cost effe	ctive alternatives .				
Costs:	City of Fro	ct cost: \$120,0	00						
	District: \$0	SIPIOOI. \$30,0	00 EDI) with \$45,000 reque	stad in EV2018, and \$45.00	0 anticipated in				
	future vea	0,000 (75 % R	EDI) with \$45,000 reque	Steu III F 1 2010, and \$45,00					
		3.	Evaluation						
Application Quality:	High	High Application included all the required information identified in the CEL Guidelines							
Project Repofit:	High	The WMP will	Lanalyze flooding proble	me that exist in the watersh	ed Currently flood				
Project Benefit.	riigii	give the vivie will analyze flooding problems that exist in the watershed. Currently, flood							
		regional or in	termediate stormwater s	/stems	e watersneu meludes				
Cost Effectiveness:	Hiah	Project cost per square mile is below the mid-range of historic costs (\$30,000 / sq mi							
		or less) for WMPs completed in urban watersheds.							
Past Performance:	High	Based on coo	perator having no ongoi	ng projects with the District	they are ranked high.				
Complementary Efforts:	Low	Cooperator is	not participating in CRS	program.	· · ·				
Project Readiness:	High	Project is exp	bected to begin on or bef	pre December 1, 2017.					
	,		Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Mar	agement: Develop better flo	odplain				
Ŭ		information a	and implement floodplain	management programs to r	naintain storage and				
		conveyance	and to minimize flood da	mage.	C				
		Overal	I Ranking and Recomm	endation					
Fund as High Priority.	This proje	ct identifies flo	od risk in an area with no	detailed study information	available. The				
	resulting p	roduct will be	utilized for flood insurand	e determination, help imple	ment solutions that				
	alleviate fl	ood risk and ir	nprove water quality, and	d enhance the planning of fu	ture development in				
	the project area. Frostproof qualifies for a 75% cost share as a REDI community as defined by								
	Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for								
	matching f	unds for RED	communities.						
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
Frostproof		\$0	\$15,0	50 \$15,000	\$30,000				
District		\$0	\$45,0	00 \$45,000	\$90,000				
Total		\$0	\$60,0	50 \$60,000	\$120,000				

Project No. N918	Reclaimed W	Reclaimed Water-Polk County NERUSA FDC Grove Road Reclaimed Water Transmission						
Polk County Utilities	Project					F١	Y2018	
Risk Level	Type 2		м	ulti-Year Co	ontract: No			
	Description							
Description	Design, perr transmissior irrigation cus Estates, Tay	Design, permitting and construction of approximately 13,600 feet of 6 to 8 inch reclaimed water transmission mains and other necessary appurtenances to supply approximately 400 residential irrigation customers in the Natures Reserve, Polak/Cambria, County Walk Estates, Classic Estates, Taylor Made Property/Sunridge, Holly Grove Villas and other Areas of NERUSA.						
Measurable Benefit:	The Measur reclaimed w	The Measurable Benefit, which will be the contractual requirement, is the supply 0.142 mgd of reclaimed water to residential customers in the "Ridge Area" of the CFWI.						
Costs	Total project Polk County District: \$84	: cost: \$1,696 r: \$848,000 8,000 all reg	5,000 (Design, Pe uested in FY2018	ermitting, an 3.	d Construction)			
		· •	Evaluatio	on				
Application Quality:	Medium A L ii	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain the remaining required information						
Project Benefit:	High 1	The supply of Area" of the C	f 0.142 mgd of re CFWI.	claimed wat	er to residential custome	ers in the "Ridge		
Cost Effectiveness	: Medium \$ a c v v	ledium \$14.13 per gallon per day capital cost which is within the \$10 to \$15 per gallon average for alternative supplies. The estimated cost/benefit is \$3.40 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course projects up to \$10.00/1.000 gallons for residential projects						
Past Performance:	High E	Based on an	assessment of th	e schedule	and budget for 8 ongoin	g projects.		
Complementary Efforts:	High F r e e	Polk County's ate structure expansion po environmenta	reclaimed water s for high volume licies which maxi Il benefits.	system incl water users mize utilizat	ludes metering and ince s and has pro-active rec tion, water resource ben	ntive based reuse laimed water efits, and		
Project Readiness	High F	Project is rea	dy to begin on or	before Dece	ember 1, 2017.			
			Strategic G	oals				
Strategic Goals:	High	High Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.						
		Overal	I Ranking and R	ecommenda	ation			
Fund as High Priority.	The project CFWI and is	is recommer s cost effectiv	nded for funding a	is it reduces	s reliance on traditional v	vater sources in the		
			Funding					
Funding Source	Pric	or	FY2018		Future	Total		
District		\$0		\$848,000	\$0	\$84	8,000	
Polk County		\$0		\$848,000	\$0	\$84	8,000	
Total		\$0	\$	1,696,000	\$0	\$1,69	6,000	

Project No. N930	SW IMP - V	SW IMP - Water Quality - Lake Verona Stormwater Improvement Project							
Avon Park					FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
		Yes, Year 1 of 3							
		Description							
Description:	Design, pe	ermitting, and o	construction of stormwater	retrofit BMPs in the City of	f Avon Park to				
	improve w	ater quality dis	scharging to Lake Verona, a	a Lake Wales Ridge Lake	and Heartland				
	Region Pr	iority.							
Measurable Benefit:	The contra	actual Measura	able Benefit will be the cons	struction of stormwater BN	IPs to treat 31				
	testing rec	uirements	larging to Lake verona. In	lere will be no monitoring o	or performance				
Costs:	Total proje	ect cost: \$422	.455 (Design, permitting, c	onstruction)					
	City of Ave	on Park: \$105,	614 (Eligible REDI Commu	inity)					
	District: \$3	316,841 with \$	75,000 requested in FY201	8 and \$241,841 anticipate	ed to be				
	requested	in future years	3.						
		1	Evaluation						
Application Quality:	Medium	Application in	icluded most of the required	d information identified in t	the CFI guidelines.				
		District PM/C	M had to work with the coo	perator to obtain remainin	g required				
Project Benefit:	High	The Resource	e Renefit of this water quali	ity project is the reduction	of pollutant loads to				
r roject Denem.	i ngri	Lake Verona	by an estimated 113 lb/yea	ar TN and 3405 lb/yr TSS.					
Cost Effectiveness:	Medium	The estimate	d cost/lb of TN and TSS re	moved is lower than the h	istorical average of				
		\$224/lb TN and \$12/lb TSS, and the cost/acre is higher than the historical average							
		cost of \$8,05	0/acre treated for Urban/Su	ıburban projects.					
Past Performance:	High	Based on an	assessment of the schedul	le and budget for the 1 on	going project.				
Complementary Efforts:	Medium	The City has	a street sweeper program,	a stormwater maintenanc	e program and an				
Project Readiness	Medium	Project is rea	dy to begin on or before M	er. arch 1, 2018					
Troject Neddiness.	Wealdin		Strategic Goals						
Strategic Goals:	Hiah	Strategic Ini	tiative - Water Quality Mai	intenance and Improvem	ent [.] Develop				
	. ngri	and impleme	ent programs, projects and	regulations to maintain an	d improve water				
		quality.		•					
		Heartland R	egion Priority: Improve Rid	dge Lakes, Winter Haven	Chain of Lakes and				
		Peace Creek	c Canal.						
Fund on Lligh Driarity	This wasis	Overal	I Ranking and Recommen	Idation	normant Diam fan				
Fund as High Phonity.	I his proje	ct is cost effec	tive and is identified in the	District funded Best Mana	Benert The				
	project wil	l improve wate	er quality discharging to Lat	ke Verona ja Lake Wales l	Ridge Lake and				
	Heartland	Region Priorit	y. The City of Avon Park qu	alifies for a 75% cost sha	re as a REDI				
	communit	y as defined by	y Florida Statute. Under Dis	strict Policy 130-4, the Boa	ard can reduce the				
	requireme	nts for matchin	ng funds for REDI commun	ities.					
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
District		\$0	\$75,000	\$241,841	\$316,841				
Avon Park		\$0	\$25,000	\$80,614	\$105,614				
Total		\$0	\$100,000	\$322,455	\$422,455				

Project No. N931	SW IMP - V	Nater Quality -	Lake Gwyn East Surface	Water Restoration			
Polk County Natural					FY2018		
Resources Risk Lev	el: Type 2		Multi-Year C	Contract:			
			Yes, Year 1	of 2			
			Description				
Descriptio	n: Construct	ion of freshwat	er wetlands to treat stormwa	ater runoff and restore the	e eastern portion of		
	Lake Gwy	n in Polk Coun	ty, Florida.				
Measurable Benef	it: The contr	actual Measura	able Benefit will be the cons	truction and restoration o	f approximately 60		
	acres of f	reshwater wetla	ands to treat 378 acres of st	ormwater runoff. There v	vill be no monitoring		
	or perform	nance testing r	equirements.				
Cos	s: Total proj	ect cost: \$2,000	0,000 (Construction only)				
	Polk Coul	nty: \$1,000,000					
	District: \$	1,000,000 requ	lested in FY2018.				
Annlingtion Quali			Evaluation	information identified in			
Application Quali	y. weatum	District PM/C	M had to work with coopera	tor to obtain remaining re	equired information		
Project Bene	it: High	The Resource	e Benefit of this water qualit	v project is the reduction	of pollutant loads		
		within the Pe	ace Creek watershed by an	estimated 490 lbs/vear of	of TP and the		
		restoration of	approximately 60 acres of f	freshwater wetlands.			
Cost Effectivenes	s: High	The estimate	d cost/lb of TP removed is b	elow the historical avera	ge cost of \$896/lb,		
		and the cost/	acre treated is below the his	storical average cost of \$8	3,050/acre treated for		
		Urban/Suburban water quality projects.					
Past Performance	e: High	Based on an	assessment of the schedule	e and budget for the 8 on	going projects.		
Complementary Effor	s: High	Applicant has	an active stormwater utility	that collects fees, a stree	et sweeping		
		program, fert	lizer ordinance, and various	s other stormwater manag	gement and		
		monitoring pr	ograms.				
Project Readines	s: High	Project is rea	dy to begin on or before De	cember 1, 2017.			
		1	Strategic Goals				
Strategic Goa	s: High	Strategic Ini	tiative - Water Quality Mair	ntenance and Improvem	ent: Develop		
		and impleme	ent programs, projects and re	egulations to maintain an	d improve water		
		quality.			. . .		
		Heartland R	egion Priority: Improve Rid	ge Lakes, Winter Haven	Chain of Lakes and		
		Peace Creek	Canal.	dation			
Eund as High Priori		overal	ive and will improve water of	uality within the Peace C	rook watershed and		
i unu as riigir i non	restore a	orovimately 60	acres of fresh water wetlar	nds. The County and the	District		
	cooperati	vely funded the	Lake Gwyn West Surface \	Water Restoration project	which was		
	successfu	ally completed in	n FY16.				
		,	Funding				
Funding Source	F	rior	FY2018	Future	Total		
District		\$0	\$1,000,000	\$0	\$1,000,000		
Polk County		\$0	\$1,000,000	\$0	\$1,000,000		
Total		\$0	\$2,000,000	\$0	\$2,000,000		

Polk County Natural FY2018 Risk Level: Type 3 Multi-Year Contract: Yes, Year 1 of 2 Description Description: Design, permitting, and construction of freshwater wetlands adjacent to Crooked Lake in the Ridge Lakes Region of Polk County, Florida. Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: <th>Project No. N933</th> <th>Restoration</th> <th colspan="9">estoration - Crooked Lake West Wetland</th>	Project No. N933	Restoration	estoration - Crooked Lake West Wetland								
Resources Risk Level: Type 3 Multi-Year Contract: Yes, Year 1 of 2 Description Description Design, permitting, and construction of freshwater wetlands adjacent to Crooked Lake in the Ridge Lakes Region of Polk County, Florida. Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Project Benefit: High Application included all the required information identified in the CFI guidelines Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Heigh Strategic Goals Strategic Goals	Polk County Natural							FY2018			
Yes, Year 1 of 2 Description Description Description Description Description Description Description Description Description Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Poilk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Applicant has	Resources Risk Level:	Туре 3		Mu	lti-Year C	ontract:					
Description Design, permitting, and construction of freshwater wetlands adjacent to Crooked Lake in the Ridge Lakes Region of Polk County, Florida. Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines The Resource Benefit in High Application included all the required information identified in the CFI guidelines Cost Effectiveness: High Application and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Project is ready to begin on or before March 1, 2018. Strategic Goals Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify				Yes	s, Year 1 d	of 2					
Description: Design, permitting, and construction of freshwater wetlands adjacent to Crooked Lake in the Ridge Lakes Region of Polk County, Florida. Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The Resource of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration.				Description	n						
Ridge Lakes Region of Polk County, Florida. Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High Application Quality: High Application included all the required information identified in the CFI guidelines The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Verget is ready to begin on or bef	Description:	Design, per	mitting, and o	construction of fres	hwater we	etlands adjacent to Crook	ed Lake in the				
Measurable Benefit: The contractual Measurable Benefit is the restoration and enhancement of 900 acres of freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 District: \$400,000 District: \$400,000 District: \$400,000 Project Benefit: High Application included all the required information identified in the CFI guidelines Project Benefit: High Application included all the required information and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical env		Ridge Lake	idge Lakes Region of Polk County, Florida.								
freshwater wetlands adjacent to Crooked Lake. Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridne Lakes. Winter Haven Chain of Lakes and	Measurable Benefit:	The contra	he contractual Measurable Benefit is the restoration and enhancement of 900 acres of								
Costs: Total project costs: \$800,000 (Design, permitting and construction) Polk County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High Application included all the required information and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Bidge Lakes. Winter Haven Chain of Lakes and		freshwater	wetlands adja	acent to Crooked L	ake.						
Poix County: \$400,000 District: \$400,000 with \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High Application included all the required information and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Huproyee Ridge Lakes. Winter Haven Chain of Lakes and	Costs:	Total projec	t costs: \$800	,000 (Design, pern	nitting and	d construction)					
District: \$400,000 Wint \$100,000 requested in FY2018, and \$300,000 anticipated to be requested in future years. Evaluation Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes. Winter Haven Chain of Lakes and		Polk Count	y: \$400,000	100 000 requested		0 and \$200 000 antiaina	ted to be				
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Application Quality: High Application included all the required information identified in the CFI guidelines Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project Goals: Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration.		requested i	in luture years	Evaluation	ı						
Project Benefit: High The Resource Benefit of the project is the restoration and enhancement of approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Horove Ridge Lakes Winter Haven Chain of Lakes and	Application Quality:	Hiah	Application in	cluded all the requ	ired infor	mation identified in the CF	-l auidelines				
Approximately 900 acres of freshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project Readiness: Medium Strategic Goals: High Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes Winter Haven Chain of Lakes and the store and store and the store and the store and the st	Project Benefit:	High	The Resource	e Benefit of the pro	ect is the	restoration and enhance	ment of				
Wales Ridge Lake and Heartland Region Priority. Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project Readiness: Medium Project Readiness: Medium Project Is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes. Winter Haven Chain of Lakes and	r rojour Donom.		approximatel	v 900 acres of fres	hwater we	etlands adjacent to Crook	ed Lake, a Lake				
Cost Effectiveness: High The estimated cost/acre of natural systems restoration is below the historical average of \$53,326/acre. Past Performance: High Based on an assessment of the schedule and budget for the 8 ongoing projects. Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes. Winter Haven Chain of Lakes and			Wales Ridge Lake and Heartland Region Priority.								
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Complementary Efforts: High Applicant has an active stormwater utility that collects fees, a street sweeping program, fertilizer ordinance, and various other stormwater management and monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes. Winter Haven Chain of Lakes and	Past Performance:	High	Based on an	assessment of the	schedule	and budget for the 8 ong	oing projects.				
Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals: Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and	Complementary Efforts:	High	Applicant has	an active stormwa	ater utility	that collects fees, a stree	t sweeping				
Monitoring programs. Project Readiness: Medium Project is ready to begin on or before March 1, 2018. Strategic Goals Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes. Winter Haven Chain of Lakes and			program, ferti	lizer ordinance, an	d various	other stormwater manage	ement and				
Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and	Drojact Boodinass	Modium	monitoring pr	ograms. dy to bogin on or b	oforo Ma	roh 1 2018					
Strategic Goals: High Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and	Project Readiness.	Medium	Project is rea	Construction of D		1011 1, 2010.					
environmentally sensitive ecosystems and implement plans for protection or restoration.	Stratogic Goals:	High	Strategia Ini	Strategic Go	ais tion and l	Destanation : Identify critic					
restoration.	Strategic Obais.	riigii	environment	ally sensitive ecos	uon anu i /stems ar	nd implement plans for pro	tection or				
Heartland Region Priority: Improve Ridge Lakes Winter Haven Chain of Lakes and			restoration.								
I Heardand Region Friendy, improve Ridge Lakes, whiter haven on all of Lakes and			Heartland R	egion Priority: Imp	prove Ride	ge Lakes, Winter Haven C	Chain of Lakes and				
Peace Creek Canal.			Peace Creek	Canal.							
Overall Ranking and Recommendation			Overal	I Ranking and Red	commend	lation					
Fund as High Priority. This project is cost effective and will restore and enhance natural systems adjacent to Crooked	Fund as High Priority.	This project is cost effective and will restore and enhance natural systems adjacent to Crooked									
Lake, a Lake Wales Ridge Lake and Heartland Region Priority.		Lake, a Lake Wales Ridge Lake and Heartland Region Priority.									
Funding				Funding							
Funding Source Prior FY2018 Future Total District mode mod<	Funding Source	Pri	ior	FY2018	400.000	Future	Total				
District \$0 \$100,000 \$300,000 \$400,000 Date \$0 \$100,000 \$300,000 \$400,000			\$0	\$	100,000	\$300,000	\$	400,000			
POIX County \$0 \$100,000 \$300,000 \$400,000 Table \$0 \$200,000 \$600,000 \$200,000			\$0 •0	\$ •	200,000	\$300,000	\$	\$400,000			

Project No. N936	SW IMP - W	W IMP - Water Quality - Lake Eva Alum Stormwater Treatment System									
Haines City					FY2018						
Risk Level:	Type 2		Multi-Year	Contract: No							
	Description										
Description:	Construction quality. La verified im Maximum	construction of an aluminum sulfate (alum) injection system in Lake Eva to improve water uality. Lake Eva is in the Lake Wales Ridge which is a Heartland Region Priority. Lake Eva is a erified impaired water body under the Florida Department of Environmental Protection Total faximum Daily Load (TMDL) Program.									
Measurable Benefit:	The contra treat a 590 performan	ne contractual Measurable Benefit will be construction of an alum injection stormwater BMP to eat a 590 acre contributing basin draining to Lake Eva. There will be no monitoring or erformance testing requirements.									
Costs:	The project Haines Cit District: \$3	he project cost: \$400,000 (Construction) laines City: \$100,000 (Eligible REDI Community) District: \$300,000 requested in FY2018.									
			Evaluation								
Application Quality:	Medium	Application di cooperator to	d not include required infor obtain required informatior	mation. District PM had to າ.	work with						
Project Benefit:	High	HighThe Resource Benefit of this water quality project is the reduction of pollutant loads to Lake Eva, an FDEP impaired waterbody, by an estimated 90 lbs/yr TP.									
Cost Effectiveness:	High	High The estimated cost/lb of TP removed are below the historical average of \$896/lb, and the cost/acre treated is below the historical average cost for urban/suburban projects of \$8,050/acre treated.									
Past Performance:	High	High Based on the cooperator having no ongoing projects with the District they are ranked high.									
Complementary Efforts:	High	Haines City h	as an active Stormwater U	tility that collects fees.							
Project Readiness:	High	Project is read	dy to begin on or before De	ecember 1, 2017.							
			Strategic Goals								
Strategic Goals:	High	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.									
Fund on Llink Drinniku	TI: ::	Overal	Ranking and Recommen	dation							
Fund as high Phonity.	This project is cost effective and will continue efforts by the City to improve water quality in Lake Eva, a Lake Wales Ridge Lake and Heartland Region priority. Lake Eva is a verified impaired lake under the FDEP TMDL program. Haines City recently became eligible and qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.										
Eunding Ocurres		ri a r	Funding	Enterna	Tetc						
Haines City	Pi	10 1	F12010 \$100.000	ruture	10tal						
		\$U ¢0	φ 100,000 ¢200 000	¢۵ ۵0	\$ 100,000 \$200,000						
Total		\$0 \$0	\$400.000	\$0	\$400,000						

Project No. N939	Study - Lake June-in-Winter Watershed Protection Project										
Highlands County						FY	r2018				
Risk Level:	Type 4			Multi-Year	Contract: No						
			Descri	ption							
Description:	Study to e system res basin. The propose co and/or nat Lake June	ystem restoration projects in the Lake June-in-Winter watershed, a 44 square mile drainage asin. The Water Quality Assessment Plan is to provide a water quality assessment and to propose conceptual BMPs including stormwater improvement projects with an emphasis on LID and/or natural system restoration projects in support of reducing nutrient and sediment loads to ake June-in-Winter, a Lake Wales Ridge Lake and Heartland Region Priority.									
Measurable Benefit:	The contra	The contractual Measurable Benefit is the completion of the study.									
Costs:	Total Proje Highlands District: \$	Total Project Cost: \$187,000 (Study) Highlands County: \$46,750 (Eligible REDI Community) District: \$140,250 requested in FY2018.									
		1	Evalu	ation							
Application Quality:	Medium	District PM/C	M had to work	with the coo	perator to obtain required	information.					
Project Benefit:	Medium	edium The Resource Benefit of the project is a study that will provide an assessment of water quality loading and identify a prioritized list of conceptual stormwater BMPs and/or natural system restoration options, that if constructed, will improve water quality and enhance natural systems. Lake June-in-Winter is in the Lake Wales Ridge, a Heartland Region priority.									
Cost Effectiveness:	Medium	Medium The estimated cost effectiveness is comparable to \$4,500/square mile used for evaluation of other prior water quality assessment studies with similar size watersheds.									
Past Performance:	High	High Based on the assessment of the schedule and budget for the 1 ongoing project.									
Complementary Efforts:	High	Applicant has Program, Exc Program, and system.	s four complem otic removal/tre I Applicant ma	nentary effort eatment Prog intains nature	s; Environmentally Sensit rams, Adopt a Pond or A e parks and open spaces	ive Lake Purchase dopt a Highway within the park					
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1, 2018.						
		1	Strategi	c Goals							
Strategic Goals:	HighStrategic Initiative - Water Quality Assessment and Planning: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.										
Fund as High Priority.	The proje	ct will provide a	an assessmen	t of nutrient lo	pading and identify future	stormwater					
, end de right henry	improvement/natural system restoration projects to improve water quality. Lake June-in-Winter is in the Lake Wales Ridge, a Heartland Region priority. Highlands County qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities. The District will procure a consultant to do the assessment and will be the lead on the project.										
	_		Func	ling							
Funding Source	P	rior	FY20	18	Future	Total	0.050				
District		\$0		\$140,250	\$0	\$140	0,250				
		\$U \$0		940,750 \$187,000	<u>\$</u> ሀ ፍበ	\$40 \$10	0,750				
Iotai		ψ	l	ψι07,000	ΨŪ	ψιο	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

Project No. N848	SW IMP - V	W IMP – Water Quality – Rainbow Springs Innovative Stormwater Retrofit – CP 71									
Marion County						FY2018					
Risk Level:	Type 2			Multi-Year C	ontract: No						
	-		Descr	iption							
Description:	Constructi	on of stormwa	ter BMPs to re	etrofit three dry	retention systems tha	t are within 1.5 miles					
	of Rainboy	Rainbow Springs with a manufactured soil amendment.									
Measurable Benefit:	The contra	actual Measura	able Benefit w	ill be the const	ruction of stormwater E	BMP's to treat					
	approxima	tely 78 acres	of low density	residential sto	rmwater runoff within t	he Rainbow River					
Casta	Springshe	pringsned.									
Costs:	Marion Co	Iorian project cost. \$555,000 (Construction)									
	District: \$2	276 500 reque	o sted in FY201	8							
			Evalu	ation							
Application Quality:	High	Application ir	cluded all the	required inform	mation identified in the	CFI guidelines.					
Project Benefit:	High	The Resourc	e Benefit of th	e Water Qualit	y project is the reduction	on of pollutant loads to					
		Rainbow Spr	ings, a SWIM	priority water l	ody, by an estimated	125 lbs/ yr TN.					
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of \$224, and									
		the cost/acre treated is below the historical average cost of \$8,050/acre treated for									
		urban/suburban water quality projects. The cost effectiveness is solely an analysis of									
	1 Kada	the estimated project cost as compared to the cost of similar projects.									
Past Performance:	High	Based on an	assessment C	or the schedule	and budget for the 2 c	ongoing projects.					
Complementary Efforts:	High		ounty Stormv	ater Section is	s funded by a yearly sto	tion ordinances in 2008					
		and 2009 Th	e Board also	approved the 2	2016-2017 Stormwater	Public Education Plan					
Project Readiness:	High	Project is rea	dy to begin or	or before Dec	cember 1, 2017.						
-	<u> </u>	,	Strategi	c Goals							
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Main	tenance and Improve	ment: Develop					
		and impleme	ent programs,	projects and re	egulations to maintain a	and improve water					
		quality.									
	Northern Region Priority: Improve northern coastal spring systems.										
		Overa	II Ranking an	d Recommend	lation						
Fund as High Priority.	This proje	ct improves st	ormwater qua	ity and reduce	s nutrients entering the	e Rainbow Springs					
	springshed. Due to the close proximity of these projects to the headspring, they are an										
	Important	component of	the long-term	goal to improv	re water quality in the s	springsnea.					
Eunding Source	Funding Extension Extension Extension										
Marion County		۱ ۵ ۱ ۵۷	1120	\$276.500		50 \$276 500					
District		ው (12		\$276.500	ч Ф	\$0 \$276.500					
Total		\$0 \$0		\$553,000	\$	50 \$553.000					

Project No. N860	Conservat	nservation - Citrus County Water Sense® Labeled Irrigation Controller								
Citrus County							FY2018			
Risk Level:	Type 1			Multi-Year	Contract: No					
	-		Descri	ption						
Description:	Financial i	ncentives to re	esidential custo	omers for the	installation of approxima	tely 75 Water				
	Sense lab	eled irrigation	controllers at r	esidential ho	mes in the Citrus County	service area. Also				
	included a	re educational	materials, pro	gram promot	ion, surveys and an orier	ntation with the				
Mossurable Bonefit:	The centre	er to assist in ta	amiliarizing the	e resident wit	n the new equipment.	ad the completion of				
weasurable beliefit.	a final rep	ort.			entation of the program a					
Costs:	Total Proje	ect Cost: \$33,7	'50							
	Citrus Cou	trus County: \$16,875								
	District: \$1	6,875								
Application Quality	Lligh	Application in	Evaluation of the	ation	rmation identified in the C	CEL Quidelines				
Application Quality:	⊓ign Lliab					FI Guidelines.				
Project Benefit:	підп	Tign I ne benefit of this project is an estimated 16,658 gallons per day water conserved in the Northern Planning Region of the District								
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00) per thousand gallons sa	aved.				
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 3 on	igoing projects.				
Complementary Efforts:	Medium	The cooperat	or encourages	s, supports ar	nd provides incentives for	water conservation				
		programs with	hin its services	8.						
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.					
			Strategio	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enl	nance efficiencies in all w	ater-use sectors.				
		Northern Re	gion Priority:	Ensure long-	term sustainable water s	upply.				
		Overal	I Ranking and	l Recommen	dation					
Fund as High Priority.	Project wi	I conserve pot	able water in t	he Northern	Planning Region of the D	istrict and is cost				
	effective.		Euro	ling						
Eunding Source	D	rior	Func EV20	18	Euturo	Total				
District		<u>\$0</u>	1120	\$16 875	sn		\$16 875			
Citrus County		φ0 \$0		\$16.875	\$0 \$0		\$16.875			
Total		\$0 \$0		\$33,750	\$0		\$33,750			

Project No. N873	WMP - Cha	WMP - Chassahowitzka River Watershed Management Plan								
Citrus County	1					FY2	2018			
Risk Level	Type 4			Multi-Year	Contract:					
				Yes, Year 1	of 4					
		Description								
Description	Complete	a Watershed N	Management F	Plan (WMP) i	ncluding floodplain analysi	s, Stormwater				
	Level of S	evel of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best								
	County E	County, FY2018 funding will be utilized to complete portions of the Watershed Evaluation phase								
	of the proi	of the project, which includes Project Development. LiDAR Acquisition, and Evaluation of								
	Existing In	Existing Information.								
Measurable Benefit:	The comp	letion of a WM	P that will dev	elop better fl	oodplain information and i	mplement floodplain				
	managem	ent programs	to maintain sto	brage and con	nveyance and to minimize	flood damage.				
Costs	Total proje	ect cost: \$925,	000							
	Citrus Cou	unty: \$462,500								
	District: \$4	462,500 with \$	100,000 reque	ested in FY20	18 and \$362,500 anticipat	ted to be				
	requested	in luture years	s. Evalu	ation						
Application Quality	Hiah	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.				
Project Benefit	High	The Resourc	e Benefit of the	e proiect is th	e WMP will analyze floodi	ng and water guality				
		problems that exist in the watershed to identify risk of flood damage, water quality								
		issues, and cost effective alternatives. Currently, flood analysis models are not								
		available or are over 10 years old, and the watershed includes regional or intermediate								
		stormwater systems.								
Cost Effectiveness	Medium	Medium Project cost per square mile is in the mid-range of historic costs (\$20,001 to \$30,000 /								
Past Performance	Hiah	Based on an	assessment o	f the schedul	e and budget for the 3 ond	poing projects.				
Complementary Efforts	High	Cooperator's	Community R	ating System	class is 5 and is in the 5	or better range.				
Project Readiness	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.	-				
			Strategi	c Goals						
Strategic Goals	High	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improveme	ent: Develop				
		and impleme	ent programs,	projects and	regulations to maintain and	d improve water				
		quality.								
		information a	tlative - Flood	ipiain Manag floodolain m	jement: Develop better flo	ooplain				
		conveyance	and to minimiz	ze flood dam	anagement programs to n age.	anitani storage and				
					-9					
		Overal	I Ranking and	d Recommer	dation					
Fund as High Priority.	This proje	ct identifies flo	od risk in an a	rea with no d	letailed study information a	available. The				
	resulting p	product will be	utilized for floo	od insurance	determination, help impler	ment solutions that				
	alleviate flood risk and improve water quality, and enhance the planning of future development in									
	the project	t area.	- E.m.	lina						
Funding Source		rior	Fund EV20	18	Futuro	Total				
Citrus County			1120	\$100.000	\$362,500	\$462	2,500			
District		\$0 \$0		\$100.000	\$362.500	\$462	2.500			
Total	1	\$0		\$200,000	\$725,000	\$925	5,000			

Project No. N891	WMP – No	WMP – North Citrus Withlacoochee River Watershed Management Plan								
Citrus County						FY2018				
Risk Level:	Type 4			Multi-Year	Contract:					
				Yes, Year 1	of 3					
		Description								
Description:	Complete	a Watershed I	Management F	Plan (WMP) ii	ncluding floodplain analys	is, Stormwater				
	Level of S	evel of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best								
	Managem	vianagement Practice (BMP) alternative for the Withiacoochee River Watershed In Citrus								
	of the proi	f the project, which includes Project Development. LiDAR Acquisition, and Evaluation of								
	Existing In	Existing Information.								
Measurable Benefit:	The comp	letion of a WN	IP that will dev	elop better fl	podplain information and i	mplement floodplain				
	managem	ent programs	to maintain sto	brage and cor	nveyance and to minimize	flood damage.				
Costs:	Total proje	ect cost: \$825,	000							
	District: \$	unty: \$412,500	150 000 roque	stad in EV20	18 and \$262 500 anticina	tod to bo				
	requested	in future vear	s		ro and \$202,500 anticipa					
	roquootou	in lataro your	Evalu	ation						
Application Quality:	High	Application ir	cluded all the	required info	rmation identified in the C	FI Guidelines.				
Project Benefit:	High	The Resourc	e Benefit of the	e project is th	e WMP will analyze flood	ing and water quality				
		problems that exist in the watershed to identify risk of flood damage, water quality								
		issues, and cost effective alternatives. Currently, flood analysis models are not								
		available or are over 10 years old, and the watershed includes regional or intermediate								
Cost Effectiveness	Medium	STORTWATER SYSTEMS.								
OUST Enectiveness.	Medium	sq mi) for WMPs completed in rural watersheds								
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 3 on	going projects.				
Complementary Efforts:	High	Cooperator's	Community R	ating System	class is 5 and is in the 5	or better range.				
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.					
		1	Strategi	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	ent: Develop				
		and impleme	ent programs,	projects and	regulations to maintain an	d improve water				
		guanty.	tiative - Floor	Inlain Manad	lement : Develop better flo	odnlain				
		information a	and implement	floodplain m	anagement programs to n	naintain storage and				
		conveyance	and to minimiz	ze flood dama	age.	<u><u></u></u>				
		Overa	II Ranking and	d Recommen	dation					
Fund as High Priority.	This proje	ct identifies flo	od risk in an a	rea with no d	etailed study information	available. The				
	resulting p	product will be	utilized for floo	od insurance	determination, help imple	ment solutions that				
	alleviate f	lood risk and ir t area	nprove water of	quality, and e	nnance the planning of fu	ture development in				
	the project		Func	dina						
Funding Source	Р	rior	FY20	18	Future	Total				
Citrus County		\$0		\$150,000	\$262,500	\$412,500				
District		\$0		\$150,000	\$262,500	\$412,500				
Total		\$0		\$300,000	\$525,000	\$825,000				

Project No. N907	WMP - Hom	IP - Homosassa River WMP Alternative Analysis									
Citrus County						FY2018					
Risk Level	: Type 4			Multi-Year C	Contract: No						
		Description									
Description	: Complete th Citrus Cour funds will b Service ana Practice (B	Complete the Watershed Management Plan (WMP) for the Homosassa River Watershed in Citrus County. Governing Board approved floodplains were developed in June 2014. FY2018 unds will be used to complete the alternative analysis tasks including Stormwater Level of Ciervice analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative analysis.									
Measurable Benefit:	The comple manageme	e completion of a WMP that will develop better floodplain information and implement floodplain anagement programs to maintain storage and conveyance and to minimize flood damage.									
Costs	: Total projec Citrus Cour District: \$8	Ital project cost: \$175,000 trus County: \$87,500 strict: \$87,500 requested in EY2018									
		,	Evalı	ation							
Application Quality	: High	Application in	cluded all the	required infor	mation identified in the (CFI Guidelines.					
Project Benefit	: High	The Resource Benefit of the project is to identify risk of flood damage, water quality issues, and cost effective alternatives. Flood analysis models are available and are 2 years old. The LOS, SWRA, and BMP analysis have not been done and the watershed includes regional or intermediate stormwater avatame.									
Cost Effectiveness	: High	Project cost p	per square mil	e is reasonabl	le when compared to sin	nilar projects.					
Past Performance	: High	Based on an	assessment of	of the schedule	e and budget for the 3 or	ngoing projects.					
Complementary Efforts	: High	Cooperator's	Community F	Rating System	class is 5 and is in the 5	or better range.					
Project Readiness	: High	Project is rea	dy to begin or	n or before De	cember 1, 2017.						
			Strategi	c Goals							
Strategic Goals	: High	 h Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. 									
		Overal	I Ranking an	d Recommen	dation						
Fund as High Priority.	Watershed service issu	model is com ues, alternativ	nplete. This pr ve improveme	oject will ident nts, and cost l	tify water quality issues, benefit information for im	flood level of provement areas.					
			Fun	ding							
Funding Source	Pri	ior	FY20	007 500	Future	Total					
Citrus County		\$0		\$87,500	\$0	\$87,500					
		<u>\$0</u> در		\$87,500	\$(در	۶87,500 ¢175,000					

Project No. N919	WMP - Litt	WMP - Little Jones Creek Watershed Management Plan									
Sumter County BOCC						FY2018					
Risk Level:	Type 4			Multi-Year	Contract:						
				Yes, Year 1	of 3						
			Descri	ption							
Description:	Complete	a Watershed M	Aanagement F	Plan (WMP) ii	ncluding floodplain analysi	s, Stormwater					
	Level of S	Level of Service analysis (LOS), Surface water Resource Assessment (SWRA), and Best Management Practice (RMP) alternative for the Little Janua Creak Watershed in Sumter County									
	Managem	ent Practice (E	SIVIP) alternativ	e for the Littl	e Jones Creek Watersned	in Sumter County.					
	project w	nich includes F	Project Develor	oment LiDAF	Ω Acquisition and Evaluat	ion of Existing					
	Informatio	n.									
Measurable Benefit:	The comp	The completion of a WMP that will develop better floodplain information and implement floodplain									
	managem	ent programs	to maintain sto	rage and cor	nveyance and to minimize	flood damage.					
Costs:	Total proje	ect cost: \$960,	000								
	Sumter Co	ounty: \$480,00	0								
	District: \$4	480,000 with \$	160,000 reque	sted in FY20	18 and \$320,000 anticipat	ted to be					
	requested	In future years	5. Evalu	ation							
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the CI	El Guidelines.					
Project Benefit:	High	The Resourc	e Benefit of the	e project is th	e WMP will analyze floodi	ng and water quality					
r reject Benefit.		problems that	t exist in the w	atershed to i	dentify risk of flood damag	e, water quality					
		issues, and c	ost effective a	Iternatives. C	Currently, flood analysis mo	odels are not					
		available or a	ire over 10 yea	ars old, and th	ne watershed includes reg	ional or intermediate					
		stormwater systems.									
Cost Effectiveness:	Medium	Im Project cost per square mile is in the mid-range of historic costs (\$20,001 to \$30,000 /									
De et De uferun en est	Lline	sq mi) for WN	/IPs completed	in rural wate	ersheds.	ist they are replied					
Past Performance:	High	based on the	cooperator na	aving no ongo	bing projects with the Distr	ict they are ranked					
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 7 and is in the 6 t	o 9 range.					
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.						
	5	, , ,	Strategi	c Goals	, ,						
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improveme	ent: Develop					
	U	and impleme	ent programs, j	projects and	regulations to maintain and	d improve water					
		quality.									
		Strategic Ini	tiative - Flood	lplain Manag	ement: Develop better flo	odplain					
		information a	and implement	floodplain m	anagement programs to m	naintain storage and					
		conveyance	and to minimiz	ze flood dama	age.						
		Overel	Donking one	December	detter						
Eund as High Priority	This proje	Overal oct identifies flo	od risk in an a	rea with no d	etailed study information a	wailable. The					
r und do riight honty.	resulting r	broduct will be	utilized for floc	nd insurance	determination help impler	ment solutions that					
	alleviate flood risk and improve water quality, and enhance the planning of future development in										
	the projec	t area.	•			•					
			Func	ling							
Funding Source	Р	rior	FY20	18	Future	Total					
Sumter County		\$0		\$160,000	\$320,000	\$480,000					
District		\$0		\$160,000	\$320,000	\$480,000					
Total		\$0		\$320,000	\$640,000	\$960,000					

Project No. N921	Conservat	ion - Bay Laur	el 2018 Irrigation (Controll	er / ET Sensor Upgrade	Project				
BLCCDD							FY2018			
Risk Level:	Type 1		Mul	ti-Year	Contract: No					
			Descriptior	า						
Description:	This proje	ct, with Bay La	urel Center Comm	unity De	velopment District, will ma	ake available				
	approxima	itely 300 evapo	otranspiration (ET)	weather	-based irrigation controlle	ers and ET sensors	to			
	utility cust	lity customers that have existing in-ground irrigation systems. An irrigation contractor will be								
	with the he	stalling the new ≥ 1 controller and ≥ 1 sensor at residential homes, and providing an orientation to the homeowner to assist in familiarizing the resident with the new equipment								
Measurable Benefit:	The contra	actual Measura	able Benefit will be	impleme	entation of the program ar	nd the completion of	F			
	a final rep	ort.								
Costs:	Total proje	ect cost: \$87,52	20							
	BLCCDD:	\$43,760								
	District: \$4	13,760	Evaluation							
Application Quality:	High	Application in	cluded all the requi	ired info	rmation identified in the C	El Guidelines				
Project Benefit:	High	The benefit o	f the project is the (ation of approximately 22	794 gallons per day	/			
roject benent.	. ngri	in the Northern Planning Region of the District.								
Cost Effectiveness:	High	Project cost e	effectiveness is belo	ow \$3.00) per thousand gallons sa	ved.				
Past Performance:	High	Based on the	cooperator having	no ongo	oing projects with the Dist	rict they are ranked				
		high.								
Complementary Efforts:	Medium	The cooperat	or encourages, sup vice area	oports, a	nd provides incentives for	r water conservation	ו			
Project Readiness:	High	Project is rea	dy to being on or be	efore De	cember 1, 2017.					
		1	Strategic Goa	als						
Strategic Goals:	High	Strategic Ini	tiative - Conservat	t ion : Enl	nance efficiencies in all w	ater-use sectors.				
		Northern Region Priority: Ensure long-term sustainable water supply.								
		Overal	I Ranking and Rec	ommen	dation					
Fund as High Priority.	Project will conserve potable water supply in the Northern Planning Region of the District and is									
	cost effect	live.	Funding							
Eunding Source	Prince EV2018 Euture Total									
District		\$0		643,760	\$0		\$43.760			
BLCCDD		\$0 \$0		\$43,760	\$0		\$43,760			
Total		\$0		687,520	\$0		\$87,520			

Project No. N922	Conservat	Conservation - Bay Laurel Florida Water Star Rebate Pilot Project								
BLCCDD						FY2018				
Risk Level:	Type 1			Multi-Year	Contract: No					
			Descri	ption						
Description:	This proje	ct, with Bay La	urel Center Co	ommunity De	velopment District, is a p	lot program with				
	financial ir	ncentives to ho	me builders fo	r building ho	mes to Florida Water Sta	r (FWS) standards				
	and subm	itting proof of F	WS certification	on for these I	homes. FWS homes mee	t specific				
	water-effic	ter-efficiency criteria inside the homes in appliances and fixtures and outside the homes in								
	landscape	scape and irrigation design and installation. This project will provide a \$700 rebate per home								
		home builders to assist with the additional costs associated with building and certifying								
Measurable Benefit:	The contr	actual Measure	el lineu nomes able Benefit wi). Il ha implome	entation of the program a	ad completion of a				
	final repor	t.	bie benefit wi		chatter of the program a					
Costs:	Total proje	ect cost: \$52,50	00							
	BLCCDD:	\$26,250								
	District: \$2	26,250								
			Evalu	ation						
Application Quality:	High	ligh Application included all the required information identified in the CFI Guidelines								
Project Benefit:	High	igh The benefit of the project is the conservation of approximately 9,900 gallons per day in								
		the Northern	Planning Regi	on of the Dis	trict.					
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.0	0 per thousand gallons sa	aved				
Past Performance:	High	Based on the	cooperator ha	aving no ong	oing projects with the Dis	trict they are ranked				
Complementary Effortes	Modium	The cooperat		eupporte a	and provides incentives fo	r water conservation				
Complementary Enorts.	Medium	within its serv	vice area	s, supports, e						
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017					
	J	-	Strategi	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: En	hance efficiencies in all w	ater-use sectors.				
	Northern Region Priority: Ensure long-term sustainable water supply.									
		Overal	I Ranking and	l Recommer	ndation					
Fund as High Priority.	Project wi	II conserve pot	able water sup	oply in the No	orthern Planning Region of	of the District and is				
	cost effective.									
			Func	ling						
Funding Source	P	rior	FY20	18	Future	Total				
District		\$0		\$26,250	\$0	\$26,250				
BLCCDD		\$0		\$26,250	\$0	\$26,250				
Total		\$0		\$52,500	\$C	\$52,500				

Project No. N711	Reclaimed Water - Braden River Utilities Reclaimed Water Transmission Line Project										
Braden River Utilities						FY2018					
Risk Level:	Type 2			Multi-Year	Contract:						
				Yes, Year 3	of 3						
			Descr	iption							
Description:	Constructi	ion of a reclaim	ned water trans	smission mai	n extension to serve Lake	ewood Ranch via					
	Braden Ri	ver Utilities. Th	nis transmissio	on main will m	ove additional reclaimed	water flows sourced					
	from the C	City of Sarasota	a further east a	and north to n	neet residential and recre	ation irrigation					
	City of Bro	of Bradenton. The easterly transmission main will consist of approximately 17 000 feet of 16									
	to 20-inch	nch nineline. The porthern transmission main will consist of approximately 17,000 feet of									
	12 to 20-ir	nch pipeline. Ti	ne project also	includes an	11.4 MG storage reservo	ir at the northern					
	terminus a	and a passive of	denitrification p	pilot system.							
Measurable Benefit:	The Meas	leasurable Benefit, which will be the contractual requirement, is the supply of 1.0 mgd of									
	reclaimed	d water and storage of 11.4 mg for current and future Lakewood Ranch residents. In									
	addition, a	on, a report documenting the value of the passive denitrification pilot system on water									
• •	quality wil	l be required.									
Costs:	Iotal proje	otal project cost: \$4,600,000 (Construction only) (\$300,000 cost increase from what was									
	BRU: \$2 ?										
	District: \$2	2.300.000. with	\$2.150.000 b	oudaeted in p	revious vears and \$150.0	00 (District share					
	of cost inc	rease) reques	ted in FY2018		····· ,··· ,···· ,···· ,··· ,·						
			Evalu	ation							
Application Quality:	Medium	Application in	cluded most c	of the required	d information identified in	the CFI Guidelines.					
	112.1	District PM had to work with cooperator to obtain remaining required.									
Project Benefit:	Hign	High The supply of 1.0 mgd and storage of 11.4 mg of reclaimed water in the SWUCA.									
Cost Effectiveness:	High	\$4.60 per gai	Ion capital cos	st which is be	ow the \$10 to \$15 per ga	illon average for					
		water resource	pplies. The es	hich is within t	the cost range for reuse r	rojects which					
		typically rang	e from a low c	of \$0.15/1,000) apd for golf course proje	ects up to ~					
		\$10.00/1,000	gpd for reside	ential projects		ł					
Past Performance:	High	Based on the	cooperator ha	aving no ongo	ping projects with the Dist	rict.					
Complementary Efforts:	High	Cooperator h	as a program	in place that	meters users, has a volur	ne based rate					
		structure, and	has pro-activ	reclaimed e	expansion policies which	maximize utilization.					
Project Readiness:	High	Project is an	ongoing and c	on schedule.							
Strategia Casley	Llink	Cturate min Ini	Strategi		Maximina hanafisial waa	of real-size of					
Strategic Goals:	High	Strategic Ini	tiative - Recia	ar supplies ar	Maximize beneficial use	of reciaimed					
		Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	ent: Develop					
		and impleme	ent programs,	projects and i	egulations to maintain ar	nd improve water					
		quality.									
	Southern Region Priority: Implement Southern Water Use Caution Area (SWUCA)										
		Recovery St	rategy.								
Eurod on Llink Driamite	The rest	Overal	Ranking and	d Recommen	dation	water equirees in the					
Fund as high Fholity.		and is cost offo	ctive The pro	ig as it reduction is not ran	ked 1A due to a cost incr	water sources in the					
	SWOCA and is cost effective. The project is not ranked 1A due to a cost increase.										
Funding Source	Р	rior	FY20	18	Future	Total					
Braden River Utilities		\$2,150,000		\$150,000	\$0	\$2,300,000					
District		\$2,150,000		\$150,000	\$0	\$2,300,000					
Total		\$4,300,000		\$300,000	\$0	\$4,600,000					
Project No. N786	Dona Bay Surface Water Storage Facility										
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Sarasota County					FY2018						
Risk Level:	Type 2		Multi-Year	Contract:							
			Yes, Year 1	of 2							
	Description										
Description:	Third party	Third party review and construction of a 380 acre surface water storage and treatment facility to									
	improve w	ater quality in	Dona Bay. This Facility is t	he second stage of the im	plementation plan						
	for the Do	na Bay Waters	shed Management Plan.								
Measurable Benefit:	The contra	ne contractual Measurable Benefit will be the construction of a 380 acre storage and treatment									
	facility. Th	ere will be no	monitoring or performance	testing.							
Costs:	Total Proje	ect Cost: \$8,00	00,000 (Third party review,	Construction only)							
	Sarasota	County: \$4,00	0,000								
	District: \$4	1,000,000, with	n \$1,200,000 requested in I	FY2018 and \$2,800,000 re	equested in future						
	years										
			Evaluation								
Application Quality:	Medium	The applicati	on included most of the req	uired information identifie	d in the CFI						
		Guidelines. L	District PM/CM had to work	with cooperator to obtain	remaining required						
Ducie of Dour off	Lliab	Information.	- Denefite of the project is	the reduction of colluterat l							
Project Benefit:	підп	ontimated 04	0 lbe/weer of TN and a 10%	ine reduction of pollutant i	babitet of over 77						
		acres	U IDS/year OF TN and a TO /								
Cost Effectiveness	High	The estimate	d cost/lb of TN removed is	higher than historical aver	age of \$224/lb. The						
	riigii	cost effective	cost effectiveness is solely an analysis of the estimated project cost as compared to								
		the costs of s	similar projects. However, t	he project will offer a signi	ficant benefit related						
		to improved saltwater habitat and increased salinity in Dona Ray									
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 5 on	going projects.						
Complementary Efforts:	High	Sarasota County has active water quality programs funded by a fee-based, stormwater									
. ,	Ū	utility. Saraso	ta County conducts public	education and water quali	ty programs,						
		provides for s	street sweeping and other s	tormwater maintenance p	rograms supported						
		by a fertilizer	ordinance and by a pet wa	ste ordinance,							
Project Readiness:	Low	Project const	ruction is not expected to b	egin until after March 1, 2	018.						
			Strategic Goals								
Strategic Goals:	High	Strategic In	itiative - Water Quality Mai	intenance and Improvem	ent: Develop						
		and impleme	ent programs, projects and	regulations to maintain an	d improve water						
		quality.									
		Strategic In	itiative - Conservation and	Restoration: Identify criti	cal						
		environment	ally sensitive ecosystems a	and implement plans for pr	otection or						
		restoration.									
		Southern R	egion Priority: Improve Ch	arlotte Harbor, Sarasota E	Bay and						
		Shell/Prairie	Joshua creeks.								
Eupd as High Priority	The Coop	overa	in Ranking and Recommen	normitting using its own fu	inda In an affart to						
i unu as riigh i nonty.	evnedite r	project constru	ction in EV2018 the Coone	permitting using its own it	ualify contractor by						
	August 20	17 and to rece	vive hids by early-2018 Th	Point of the property of the pro-q	third party review						
	in the first quarter of FY2018 Anticipating favorable results from the third party review, and with										
	the understanding that the Governing Board will need to provide approval to proceed, this project										
	is recommended for funding.										
			Funding								
Funding Source	Р	rior	FY2018	Future	Total						
District		\$0	\$1,200,000	\$2,800,000	\$4,000.000						
Sarasota County		\$0	\$1,200,000	\$2.800.000	\$4.000.000						
Total		\$0	\$2.400.000	\$5,600,000	\$8,000.000						
	ı		,=,,	.,,							

Project No. N823	AWS Interconnect - PRMRWSA Regional Integrated Loop System - Phase 3B								
PRMRWSA						FY2018			
Risk Level	Type 2			Multi-Year C	ontract:				
				Yes, Year 2 ()f 5				
	·	Description							
Description	The project	he project will design and construct an extension of the Authority's Regional Integrated Loop							
	System to	rces within the	Authority's for	ister and deliv	ery system for existing a				
	Authority's	s regional pipeli	ine system fro	m the current	terminus of the Phase 3	A Interconnect			
	along Cov	v Pen Slough, r	northward app	roximately 5.2	miles to Clark Road (SI	R-72) in central			
	Sarasota	County. The pr	oject may incl	ude 7 mgd of I	oumping, chemical trim,	metering, and 5 mg			
	storage fa	cilities as deter	rmined by prel	iminary desigr	n. District funding in FY2	017 included			
	preliminar	y design and T	PR as this pro	ject has a cor	ceptual construction est	imate greater than			
	\$5 million	dollars. It's ant	icipated that the	he 3rd party re	eview will be completed to	by March 31, 2017.			
Measurable Benefit:	The Meas	<u>1 F Y 20 18 WIII S</u> Surable Benefit	which will be	the contracture	a permitting work.	uction of a			
measurable Denem.	componei	nt of the Region	nal Integrated	Loop System	to deliver an estimated 7	mod of alternative			
	water sup	plies, promote	regional resou	Irce managem	ent efforts, and support	water supply goals			
	within the	SWUCA.	5	U	· • • •				
Costs	Total proje	ect cost: \$26,96	67,000 (desigr	n, permitting, 3	rd party review, construe	ction)			
	PRMRWS	SA: \$14,568,50	0						
	District: \$	11,898,500							
	State: \$50	JU,UUU oct requires a Tl	PR of 30% de	sian nlans nria	or to approval to proceed	l with final			
	desian. pe	ermitting, and c	onstruction. T	he initial conc	eptual total project cost i	s \$26.967.000.			
	The Distri	ct's proposed s	hare excludes	non-eligible l	and acquisition costs.				
			Evalu	ation					
Application Quality:	High	Application in	cluded all the	required inform	mation identified in the C	FI Guidelines.			
Project Benefit:	High	The resource	benefit is the	improved regi	onal distribution of alterr	native water supplies			
Cost Effectiveness	Medium	The cost effect	ctiveness appe	ears reasonab	le and consistent with th	e District 's average			
		costs for simil	lar projects.						
Past Performance:	High	Based on an	assessment o	f the schedule	and budget for 2 ongoin	ng projects.			
Complementary Efforts:	High	Applicant prov	vides wholesa	le alternative	water supplies to Charlo	tte, DeSoto, and			
Project Readiness	Hiah	Project is read	dv to begin on	or before Dec	cember 1, 2017, pending	TPR and approval by			
	g.i	District in Mar	rch 2017 and	Sarasota Cour	nty's approval of funding	for final design work			
		order.				-			
		T	Strategi	c Goals					
Strategic Goals:	High	Strategic Init	tiative - Alterr	native Water S	Supplies: Increase deve	opment of			
		alternative so	ources of wate	r to ensure gr	oundwater and surface v	vater sustainability.			
		Bocovory Str	gion Priority:	Implement So	outhern Water Use Caut	ion Area (SWUCA)			
		Overal	l Ranking and	Recommend	lation				
Fund as High Priority.	Governing	g Board approv	al is required	to proceed be	yond 30% design and T	PR. Total project			
	costs are anticipated to decrease, based on draft preliminary design indicating that pumping and					ng that pumping and			
	storage components may not be necessary, and minimal land acquisition on private lands are								
	needed along preferred route.								
Funding Source	Funding					Total			
PRMRWSA	- F	\$2 082 500	1120	\$1,620,000	\$10 866 000	\$14 568 500			
District		\$760 000		\$470,000	\$10,668,500	\$11 898 500			
State		\$360,000		\$140.000	\$000,000 \$0	\$500.000			
Total		\$3,202,500		\$2,230,000	\$21,534,500	\$26,967,000			

Project No. N833	ASR – City	of North Port	ASR – Perma	anent Facilitie)S		
City of North Port							FY2018
Risk Level:	Type 2			Multi-Year C	Contract:		
				Yes, Year 2	of 2		
			Descri	ption			
Description:	The project	ct is for the des	ign, permitting	g and construc	ction of the permanent su	urface facilities for a	à
	potable wa	ater ASR syste	m. The site te	sting for the m	nobilization of arsenic us	ing partially treated	
	surface wa	ater was comp	leted in FY201	6 as part of p	roject K120. Based on th	ne favorable results	,
	this project	t will design, p	ermit and cons	struct this faci	lity at its intended full-sca	ale operation,	
	facilition a	converting the	temporary sur	the EDED m	used during the testing to	o permanent surrac	e
Measurable Benefit:	The contra	actual Measura	al lesting that	ll be a five ve	ay require for operation p	very of 60 MG/vr for	
modourabio Bononii.	notable us	se in the SWU	CA during the a	drv season fol	llowing a startup period l	asting five years to	
	build an a	dequate buffer	volume.		ioning a startap period i		
Costs:	Total proje	ect cost: \$1,110),319				
	City of No	rth Port: \$770,	319				
	District: \$3	340,000 with \$	110,000 budge	eted in previou	us years and \$230,000 re	equested in FY201	8.
			Evalua	ation			
Application Quality:	Medium	Application in	cluded most o	of the required	information identified in	the CFI guidelines.	
Broject Bonofity	High	The bonefit of	ad to work with	the dovelopr	tor to obtain remaining re	tive potable water	<u>. </u>
Project benefit.	riigii	supply in the	SWUCA for us	se during the (dry season	live polable water	
Cost Effectiveness:	Medium	\$14.40 per ga	allon per day c	apital cost wh	hich is within the \$10 to \$	15 per gallon	
		average for a	Iternative supp	lies. The cos	t effectiveness includes	1 0	
		design/permit	ting/constructi	ion capital cos	st associated with related	d project K120.	
Past Performance:	High	Based on an	assessment o	f the schedule	e and budget the 4 ongoi	ing projects.	
Complementary Efforts:	High	Cooperator p	er capita is 63	gpcd which is	s below the 75 gpcd goa	I for conservation.	
Project Readiness:	High	Project is ong	joing and on s	chedule.			
		1	Strategio	c Goals			
Strategic Goals:	High	Strategic Ini	tiative - Alterr	native Water	Supplies: Increase deve	lopment of	
		alternative so	ources of wate	r to ensure gr	oundwater and surface	water sustainability.	
		Boowery St	egion Priority:	Implement S	outhern water Use Caut	ion Area (SVUCA)	1
		Overal	l Ranking and	Recommen	dation		
Fund as High Priority.	This multi	-vear project w	as approved i	n FY2016 at a	a total cost of \$680.000 v	vith the District	
, , , , , , , , , , , , , , , , , , ,	funding \$3	340,000. With 1	he completion	of project tes	sting, total cost is determ	ined to be	
	\$1,110,31	\$1,110,319. The City will fund the entire difference in cost. District funding remains at \$340,000.					-
	This proje	This project is an effective alternative water supply project and will result in the development of					
	60 MG/yr	alternative pot	able water sup	oply in the SW	UCA for use during the	dry season.	
	_		Func	ling			
Funding Source	<u>Р</u>	rior	FY20	18	Future	Total	¢040.000
		\$110,000		\$230,000	\$0		\$340,000
		\$110,000		\$200,319 \$200 210		¢	\$770,319 1 110 310
Iotal	1	φ ∠ ∠0,000		JOSO'S 18	Ф О	イ マー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー・ブー	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Project No. N840	Conservat	Conservation - Venice Advanced Metering Analytics Project						
City of Venice						FY2018		
Risk Level:	Type 1			Multi-Year	Contract: No			
			Descrip	otion				
Description:	Implement	mplementation of a software program that will promote and encourage water conservation by						
	utility cust	ility customers. This project will allow software platform setup, including a utility side						
	dashboard	d, and initially w	vill be available	for 5,000 cu	istomers. The program is	expected to expand		
	as advanc	ed metering in	frastructure (Al	Is installe	ed throughout the City over	er the next several		
	years. The	e software will	perform at least	t three of the	e conservation related fun	ctions that are listed		
	in the CFI	guidelines, po	tentially includir	ng: providing	a customer portal log-in	and graphing		
	customer	water use over	r time; promotin	g utility cons	servation incentives and r	ebates based on		
	property a	ppraiser data a	and water use of custom	iata; detectil pers about w	ig and alerting customers	s to leaks on a daily		
Measurable Benefit:	The contra	actual Measura	able Benefit will	be impleme	entation of the program an	nd the completion of		
	a final rep	ort.						
Costs:	Total proje	ect cost: \$22,00	00					
	City of Ve	nice: \$11,000						
	District: \$7	11,000						
			Evalua	tion				
Application Quality:	High	Application in	cluded all the r	equired info	mation identified in the C	FI Guidelines.		
Project Benefit:	High	The benefit o	f the project is t	he conserva	ation of approximately 3,8	00 gallons per day in		
		Southern Wa	ter Use Cautior	Area (SWL	JCA).			
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00) per thousand gallons sa	ved.		
Past Performance:	High	Based on an	assessment of	the schedul	e and budget for the 3 on	going projects.		
Complementary Efforts:	Medium	Cooperator p	er capita is bet	ween 75 - 12	25 gpcd.			
Project Readiness:	Medium	Project is rea	dy to being on o	or before Ma	arch 1, 2018.			
		I	Strategic	Goals				
Strategic Goals:	High	Strategic Ini	tiative - Conse	rvation: Enl	nance efficiencies in all w	ater-use sectors.		
		Southern Re	egion Priority:	Implement S	Southern Water Use Cauti	ion Area (SWUCA)		
		Recovery St	rategy.					
		Overal	I Ranking and	Recommen	dation			
Fund as High Priority.	Project wi	Il conserve pot	able water sup	oly in the SV	VUCA and is cost effective	e		
	Funding							
Funding Source	P	Prior FY2018 Future Total						
		\$0		\$11,000	\$0	\$11,000		
City of Venice		\$0		\$11,000	\$0	\$11,000		
Total		\$0		\$22,000	\$0	\$22,000		

Project No. N842	Restoratio	n – City of Bra	adenton Aquifer Protec	tion Recharge Well			
City of Bradenton					FY2018		
Risk Level:	Type 2		Multi-Ye	ar Contract: No			
	-		Description				
Description	The project Park High nutrient loa District fur \$5 million provide the permitting the TPR.	The project is for the 30% design and third party review (TPR) of one recharge well in the Avon Park High Producing Zone of the Upper Floridan aquifer and associated facilities to help prevent nutrient loading to the Manatee River and Tampa Bay and to replenish groundwater in the MIA. District funding is for 30% design and TPR as this project has a conceptual project estimate of \$5 million dollars. The FY2018 funding request is to complete 30% design and TPR which will provide the necessary information to support funding in future years to complete design, permitting and construction. The City is conducting its own feasibility study which will be used in the TPR					
Measurable Benefit:	The contra proposed facilities to	actual Measura project to cons	able Benefit will be the c struct one recharge well undwater in the MIA.	ompletion of 30% design an in the Upper Floridan aquife	d TPR of this r and associated		
Costs:	Total proje City of Bra District: \$5 complete request fu	ect cost: \$1,000 adenton: \$500, 500,000 with \$ design, permit nding to comp	D,000 (30% design and t 000 500,000 requested in FY ting and construction is s lete design, permitting a	hird party review) ′2018. The conceptual estin 65,000,000. It is anticipated nd construction in future yea	nate to that the City will ars.		
			Evaluation				
Application Quality:	High	Application in	cluded all the required in	nformation identified in the C	CFI Guidelines.		
Project Benefit:	Medium	head in the Upper Floridan aquifer through a portion of the MIA to contribute toward achieving the SWUCA SWIMAL, reducing the potential for further salt water intrusion by recharging the aquifer with an average of 5 MGD of water (15 MGD maximum). Future stages may include storm water transmission infrastructure to the recharge					
Cost Effectiveness:	High	This project's	costs are typical of rech	arge wells.			
Past Performance:	High	Based on an	assessment of the sche	dule and budget for the 2 or	ngoing projects.		
Complementary Efforts:	High	The City has (WDMP) to m measures an #2650.	developed and impleme nanage and protect the 0 d District water shortage	nted a Water Demand Mana City's water supply. It include orders enforceable pursua	agement Plan es conservation nt to City Ordinance		
Project Readiness:	High	Project is rea	dy to begin on or before	March 1, 2018.			
		Γ	Strategic Goals				
Strategic Goals:	High	Strategic Ini alternative so Southern Re Recovery St	tiative - Alternative Wa burces of water to ensur egion Priority: Implement rategy.	ter Supplies: Increase deve e groundwater and surface on the Southern Water Use Caut	lopment of water sustainability. ion Area (SWUCA)		
Fund as High Priority.	Overall Ranking and Recommendation Requested funds are to conduct 30% design and TPR, the results of which will provide the District with better information to confirm the resource benefits and cost effectiveness of the project. The TPR will also be used to evaluate modeling results of potential impacts to current water use permit holders. The viability of the proposed recharge location needs to be confirmed through the City's feasibility study, the 30% design, the TPR, and the evaluation of modeling results. The project is ranked high as it is expected to complement other efforts being pursued by the District to increase water levels in the MIA and contribute towards achieving the SWUCA SWIMAL.						
			Funding				
Funding Source	P	rior	FY2018	Future	Total		
District		\$0	\$500,0		\$500,000		
		\$U ¢∩	0,000¢ ۹۱ ۵۵۵ م		\$500,000		
Iotai		ψυ	φ1,000,0	ΨΟ ΦΟ	φ1,000,000		

Project No. N849	City of Ver	City of Venice – Toilet Rebate – Phase 6					
City of Venice							FY2018
Risk Level:	Type 1		Mu	Iti-Year Co	ontract: No		
			Description	n			
Description:	Financial i	ncentives to re	sidential customer	rs for the re	eplacement of conventio	nal toilets with	
	high-efficie	ency toilets tha	t use 1.28 gallons	per flush o	or less and to commercia	al customers for	
	the replac	ement of conve	entional toilets with	n ultra-low f	low toilets that use 1.6	gallons per flush or	
	less. This	project will inc	ude rebates and p	rogram adr	ministration for the repla	acement of	
	approxima	ately 250 high 1	low toilets. In addit	tion, 200 do	o-it-yourself water conse	ervation kits will be	
	tablete Al	 These including and and and and and and and and and and	e educational mate	erials, low-t	now snower neads, and	reak detection dye	
	the progra	im	e program promotic		veys necessary to ensu	Te the success of	
Measurable Benefit:	The contra	actual Measura	able Benefit will be	the implem	nentation of the program	n and the	
	completio	n of a final rep	ort.	•	1 0		
Costs:	Total proje	ect costs: \$45,0	000;				
	City of Ve	City of Venice: \$22,500;					
	District: \$2	22,500					
	L II ale	A number of the number of	Evaluation	ן 	una stiene internatifie al in the		
Application Quality:	High	Application in		equirea into	A new second sec		
Project Benefit:	High	The benefit o	t this project is an e	estimated 4	4,868 gpd of water cons	served in the	
Cost Effectiveness:	High	Project cost e	effectiveness is bel	ow \$3.00 n	oer thousand gallons sa	ved	
Past Performance:	High	Based on an	assessment of the	schedule a	and budget for the 3 on	aoina proiects	
Complementary Efforts:	Medium	Cooperator p	er capita is betwee	en 75 and 1	125 gcpd.	99 pj	
Project Readiness:	High	Project is rea	dy to begin on or b	efore Dece	ember 1, 2017.		
	J	1	Strategic Go	als			
Strategic Goals:	High	Strategic Ini	tiative - Conserva	tion : Enha	nce efficiencies in all wa	ater-use sectors.	
		Southern Re	egion Priority: Imp	lement Sou	uthern Water Use Cauti	on Area (SWUCA)	
		Recovery St	rategy.			, , , , , , , , , , , , , , , , , , ,	
		Overal	I Ranking and Red	commenda	ation		
Fund as High Priority.	This proje	ct conserves p	otable water suppl	ly in the SV	VUCA and is cost effect	ive.	
	Funding						
Funding Source	P	rior	FY2018	<u>*00 500</u>	Future	Total	¢00 500
		\$0		\$22,500	\$0		\$22,500
		ზს დი		₽∠2,500 \$45,000	ზ0 დი		\$45.000
Iotal		\$U		φ40,000	\$U		φ40,000

Project No. N854	ASR – PRI	/IRWSA Partia	Ily Treated Wa	ter ASR			
PRMRWSA						FY2018	
Risk Level:	Туре 3			Multi-Year Co	ontract: No		
			Descrip	otion			
Description:	The project treated ware Water Sup using parti aquifer at system. At FY2018 fu provide the permitting	The project consists of site feasibility testing, 30% design and third party review of a partially treated water aquifer storage and recovery project located at the Pease River Manasota Regional Water Supply Authority (PRMRWSA) ASR facility. Feasibility pilot testing will be implemented using partially treated surface water pumped from Reservoir No. 1 to recharge the Upper Floridan aquifer at two existing ASR wells and subsequently delivered back to the raw water reservoir system. As this project has a conceptual construction estimate greater than \$5 million dollars, the FY2018 funding request is to complete testing, 30% design and third party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.					
Measurable Benefit:	The contra and third p	actual Measura party review.	able Benefit will	be the comple	etion of the feasibility te	sting, 30% design,	
Costs:	Total proje PRMRWS District: \$	ect cost: \$241,0 A: \$120,500 I20,500. The	000 (feasibility f	testing, 30% demotes the second se	esign, third party review ete design, permitting a	nd	
	constructio	on is \$7,750,00	JU. Evalua	tion			
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI guidelines. District Project Manager had to work the cooperator to obtain remaining required information					
Project Benefit:	High	High The benefit of this project is to increase the PRMRWSA system drinking water supply capacity and reliability at the current facility by 3 mgd and will potentially improve water levels in the Southern Water Use Caution Area.					
Cost Effectiveness:	High	High The capital cost for the facility supply capacity improvement is \$2.58 per gpd. Capital cost for the net long-term recharge is \$2.38 per gpd. These capital costs compare favorably with the less than \$9.99 standard for Total Capital Cost/gpd of water resource					
Past Performance:	High	Based on an	assessment of	the schedule a	and budget of the 2 ong	oing projects.	
Complementary Efforts:	High	Cooperator h reuse rate str policies whicl	as a program ir ructure for high n maximize utili	n place that inc volume users zation and env	cludes metering and an and has proactive recla vironmental benefits.	incentive based imed expansion	
Project Readiness:	High	Project is rea	dy to begin on	or before Dece	ember 1, 2017.		
		I	Strategic	Goals			
Strategic Goals:	High	Strategic Ini alternative so Southern Re Recovery St	tiative - Altern ources of water egion Priority: rategy.	ative Water Su to ensure gro Implement Sou	upplies: Increase devel undwater and surface v uthern Water Use Cauti	opment of vater sustainability. on Area (SWUCA)	
Fund as High Priority.	Overall Ranking and Recommendation The PRMRWSA is requesting funds for feasibility testing, 30% design, and third party review. The results from the testing, 30% design and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project increases the PRMRWSA drinking water supply capacity and net recharge volume to the Upper Floridan aquifer. The 2015 PRMRWSA's Regional Water Supply Plan indicates that additional water supplies will be required in 2023. The schedule for completion of this project is close to 2023 and would provide for a portion of the required additional supply needed.						
	_		Fundi	ing			
Funding Source	P	rior	FY201	\$ \$120 E00	Future	Total	
		\$U ¢∩		\$120,500 \$120,500	<u>۵</u> ۵	\$120,500	
Total		پر \$0		\$241,000	\$0 \$0	\$241,000	
	1	1-		, ,	,		

Project No. N858	WMP - City	of Arcadia W	atershed Management Pla	in	
City of Arcadia					FY2018
Risk Level:	Туре 3		Multi-Year	Contract:	
			Yes, Year 1	of 2	
			Description		
Description:	Complete	the Watershed	Management Plan (WMP)	for the Arcadia Watershe	ed in the City or
	Arcadia. F	Y2018 funding	y will be used to complete V	Vatershed Evaluation task	s and Watershed
	Managem	ent Plan tasks	through Watershed Model	Parameterization. Future	funding will be
	needed to	complete the	Vatershed Evaluation, Wat	ersned Management Plar	n, Level of Service
	Determina	to be in the lo	valer Resource Assessmen	it, and BIMP Alternative A	nalysis. The City is
Measurable Benefit:	The contr	rtual Moasur	ad fole for the project.	bod model and floodalain	analysis:
Measurable Defiert.	informatio	n that is critica	to better identify risk of flo	od damage and cost effect	i dildiysis, rtive alternatives
Costs	Total proje	ect cost: \$300			
	City of Arc	adia: \$75.000			
	District: \$2	225,000 (75%	REDI) with \$120,000 funde	d in FY2018, and \$105,00	00 anticipated to
	be reques	ted in future ye	ears.		
		, i i i i i i i i i i i i i i i i i i i	Evaluation		
Application Quality:	High	Application ir	cluded all the required info	rmation identified in the C	FI Guidelines
Project Benefit:	High	The WMP wil	I analyze flooding problems	that exist in the watershe	ed. Currently, flood
-		analysis mod	els are not available or are	over 10 years old, and the	e watershed includes
		regional or in	termediate systems.		
Cost Effectiveness:	Medium	Project cost p	per square mile is in the mic	I-range of historic costs (\$	\$30,001 to \$50,000 /
		sq mi) for WN	IPs completed in urban wa	tersheds.	
Past Performance:	High	Based on coo	operator having no ongoing	projects with the District I	they are ranked high.
Complementary Efforts:	Low	Cooperator is	s not participating in the Cor	mmunity Rating System p	rogram.
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.	
		I	Strategic Goals		
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	oodplain
		information a	and implement floodplain m	anagement programs to n	naintain storage and
		conveyance	and to minimize flood dama	age.	
		Overa	I Ranking and Recommen	dation	
Fund as High Priority.	This proje	ct identifies flo	od risk in an area with no d	etailed study information	available. The
	resulting product will be utilized for flood insurance determination, help implement solutions that				
	alleviate flood risk and improve water quality, and enhance the planning of future development in				
	the project area. Arcadia qualifies for a 75% cost share as a REDI community as defined by				
	rionua statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities				
	matorning		Funding		
Fundina Source	Р	rior	FY2018	Future	Total
Arcadia		\$0	\$40.000	\$35,000	\$75.000
District		\$0	\$120.000	\$105.000	\$225.000
Total		\$0	\$160,000	\$140,000	\$300,000

Project No. N877	Manatee C	natee County – Toilet Rebate – Phase 11					
Manatee County							FY2018
Risk Level:	Type 1			Multi-Year	Contract: No		
			Descri	ption			
Description:	Financial i	ncentives to re	sidential custo	omers for the	replacement of convention	onal toilets with	
	high-efficie	ency toilets tha	t use 1.28 gall	ons per flust	n or less and to commerci	al customers for	
	the replace	ement of conve	entional toilets	with ultra-lov	w flow toilets that use 1.6	gallons per flush or	- -
	less. This	project will incl	lude rebates a	nd program a	administration for the repla	acement of	
	approxima	ately 1,500 high	n flow toilets. A	lso included	are educational materials	s, program	
Maggurahla Danafitu	promotion	, and surveys i	necessary to e	nsure the su	ccess of the program.		
Measurable Benefit:	The contra	actual Measura	able Benefit Wi	li be the impi	ementation of the program	m and the	
Costs	Total proje	rt cost: \$226	500				
00313.	Manatee (County: \$113.2	50				
	District: \$	113.250					
		-,	Evalua	ation			
Application Quality:	High	Application in	cluded all of th	ne required ir	nformation identified in the	e CFI Guidelines.	
Project Benefit:	High	The benefit o SWUCA.	f this project is	an estimate	d 39,571 gpd of water co	nserved in the	
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00	0 per thousand gallons sa	ived.	
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 4 on	going projects.	
Complementary Efforts:	Medium	Cooperator p	er capita is be	tween 75 and	d 125 gcpd.		
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1, 2018.		
		1	Strategio	c Goals			
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: En	hance efficiencies in all w	ater-use sectors.	
		Southern Re	egion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)	
		Recovery St	rategy.				
		Overal	I Ranking and	Recommen	ndation		
Fund as High Priority.	This proje	ct conserves p	otable water s	upply in the	SWUCA and is cost effect	tive.	
Funding Course	Funding						
Funding Source	P	Prior FY2018 Future Total					¢112 050
		ა ე		\$110,20U	 დი		\$113,23U
Total		\$0 \$0		\$226,500	\$0 \$0		\$226.500

Project No. N881	Reclaimed	Reclaimed Water - Arcadia Golf Course Reclaimed Water Storage Reservoir						
City of Arcadia							FY2018	
Risk Level:	Туре 2			Multi-Year (Contract: No			
		Description						
Description:	Design, pe	Design, permitting, and construction of a 600,000 gallon storage pond, approximately 600 feet of						
	8 inch recla	nch reclaimed water transmission mains and other necessary appurtenances to supply						
	additional	itional reclaimed water to the Arcadia Golf Course.						
Measurable Benefit:	The Measu	urable Benefit,	which will be th	he contractu	al requirement, is the sup	oply of 0.10 mgd of	Ť	
Costs	Total proie	ct cost: \$300 (00 (Design Pe	ermitting and	Construction).		-	
	District: \$2	25,000; all of	which is reques	sted in FY20	18			
	City of Arc	adia: \$75,000	(REDI Commu	nity)				
			Evaluat	tion				
Application Quality:	High	Application in	cluded the requ	uired informa	ation identified in the CFI	guidelines.		
Project Benefit:	High	The supply of	f 0.10 mgd of re	claimed wat	ter in the SWUCA.			
Cost Effectiveness:	High	\$4.00 per gal	lon per day cap	ital cost whi	ch is below the \$10 to \$1	5 per gallon avera	ge	
		for alternative	e supplies. The	estimated c	ost effectiveness is \$0.96	per thousand gall	ons	
		of water reso	e from a low of	CO 15/1 000	the cost range for reuse	projects which		
		\$10.00/1.000	gallons for resi	idential proie	ects.			
Past Performance:	High	Based on the	cooperator hav	ving no ongo	ping projects with the Dist	rict they are ranke	d	
		high.						
Complementary Efforts:	High	Arcadia's rec	laimed water sy	stem includ	es metering and incentive	e based reuse rate		
		structures for	high volume wa	ater users a	nd has pro-active reclaim	ed water expansion	n	
		benefits.	i maximize utiliz	zalion, wale	r resource benefits, and e	environmentai		
Project Readiness:	High	Project is rea	dy to begin on a	or before De	ecember 1, 2017			
			Strategic	Goals				
Strategic Goals:	High	Strategic Ini	tiative - Reclaiı	med Water:	Maximize beneficial use	of reclaimed		
		water to offse	et potable water	r supplies ar	nd restore water levels an	nd natural systems		
		Southern Re	gion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)	
		Recovery St	rategy.	Improvo Chr	arlatta Harbor, Sarasata E	Pay and		
		Shell/Prairie/	Joshua creeks.			bay and		
		Overal	I Ranking and	Recommen	dation			
Fund as High Priority.	The project	t is recommer	nded for funding	g as it reduce	es reliance on traditional	water sources in th	ıe	
	SWUCA a	nd is cost effe	ctive. Arcadia q	ualifies for a	a 75% cost share as a RE	DI community as		
	defined by	defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements						
	for matchin	ng tunas for R	EDI communitie	es.				
Funding Source	Pi	rior	FY201	8	Future	Total		
District		\$0		\$225,000	\$0		\$225.000	
Arcadia		\$0		\$75,000	\$0		\$75,000	
Total		\$0		\$300,000	\$0		\$300,000	

Project No. N889	Study - Mill Creek Wate	er Quality Plan						
Manatee County				FY2018				
Risk Level:	: Туре 4	Multi-Y	ear Contract: No					
		Description						
Description:	Study to evaluate wate restoration projects in t The Surface Water Res and to propose concep and/or natural system	udy to evaluate water quality impacts, stormwater improvement BMPs and natural system storation projects in the Mill Creek watershed, which drains approximately 14 square miles. The Surface Water Resource Assessment (SWRA) is to provide an assessment for nutrients and to propose conceptual BMPs including stormwater improvement with an emphasis on LID and/or natural system restoration projects in support of reducing nutrient loads in the watershed.						
Measurable Benefit:	The contractual Measu	rable Benefit will be the	completion of the study.					
Costs	: Total Project Cost: \$63 Manatee County: \$31, District: \$31,500 reque	,000 (Study) 500 sted in FY2018.						
		Evaluation						
Application Quality:	High Application	included all the required	information identified in the C	CFI Guidelines.				
Project Benefit:	High The Resourn nutrient load natural syst enhance na impaired for Tampa Bay	The Resource Benefit of the project is a study that will provide an assessment of nutrient loading and identify a prioritized list of conceptual stormwater BMPs and/or natural systems restoration options, that if constructed, will improve water quality and enhance natural systems. The creek drains 14 square miles, has been listed as impaired for water quality by FDEP, and drains to the Manatee River and ultimately						
Cost Effectiveness:	High \$4,500 or le the WMP a	\$4,500 or less/square mile for the SWRA and BMP alternatives analysis elements of the WMP and comparable to Joe's Creek (N516) a similar size watershed and other						
	prior water	quality assessment stud	es of similar size watersheds.					
Past Performance:	High Based on a	n assessment of the sch	edule and budget for the 4 on	igoing projects.				
Complementary Efforts:	maintenanc	e program, public educa ue to fertilizers and pet w	tion outreach and adopted or vaste disposals.	dinances for load				
Project Readiness:	: Medium Project is re	ady to begin on or befor	e March 1, 2018.					
		Strategic Goals						
Strategic Goals:	High Strategic II and implem quality. Strategic II environmen restoration. Tampa Bay	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Terms Device Device						
	and Lake S	Seminole.						
Fund as High Priority.	Overall Ranking and Recommendation The project will provide an assessment of nutrient loading and identify future natural systems restoration and/or stormwater improvement projects to improve water quality discharging to the Manatee River and ultimately to Tampa Bay, a SWIM priority water body. The District will procure a consultant to do the assessment and will be the lead on the project.							
		Funding		-				
Funding Source	Prior	FY2018	Future	Total				
District	\$	U \$31	500 \$0	\$31,500				
		0 \$31. 0 \$31.	000 \$0 000 \$0	\$31,500				
IOtal	۴ ۲	-γ03	ψυ	ψ00,000				

Project No. N912	ASR – Braden River Utilities ASR Feasibility							
Braden River Utilities				FY2018				
Risk Level:	Type 2	Multi-Year	Contract:					
		Yes, Year 1	of 3					
		Description						
Description:	Perform third party rev	ew and reclaimed water Aqu	ifer Storage and Recover	y (ASR) feasibility				
	studies at two sites eac	ch including the construction	of an ASR well, two stora	ge zone wells and				
	one upper zone monito	ne upper zone monitoring well; partial infrastructure consisting of simplified control systems,						
	temporary piping, pum	emporary piping, pumps and other associated infrastructure necessary to sufficiently and						
	cost-effectively perform	ost-effectively perform two cycle tests in accordance with Florida Department of Environmental						
	Protection (FDEP) peri	nit requirements. Operation p	permit applications will be	submitted for each				
Maasurahla Bonofit:	Site proven to be feasing	ble based on the two cycle te	sts performed.					
		Table Benefit will be the cons	struction and testing or two	UASR Wells.				
Costs:	deliverables)	95,000 (Third party review, co	onstruction, testing, and re	equired permit				
	Braden River Htilities	\$2 997 500						
	District: \$2 997 500 \$	2,937,500 945 625 requested in EY20	18 and \$1 051 875 antici	nated to be				
	requested in future yea	irs.						
		Evaluation						
Application Quality:	High The applica	tion included all the required	information identified in the	he CFI Guidelines				
Project Benefit:	High The benefit	of this project is optimization	of reclaimed water suppl	ies through				
	increasing	vet weather storage, reducing	g reliance on groundwate	r and contributing to				
	the recover	y of the MIA of the SWUCA.	Also reduces reclaimed w	ater discharge to the				
	bay decrea	sing nutrients and improving	water quality. The two init	tial sites would				
	provide app	proximately a combined 3 to 4	MGD injection and recov	very capacity.				
	Feasibility a	it these two initial sites could	also result in the develop	ment of four				
Coot Effectiveness	additional s	ites with the peak injection ca	apacity of 19 MGD.	acibility. The project				
COSt Effectiveness.		onable for the testing scope	ists for similarly funded Di	istrict projects				
Past Performance:	High Based on th	ne cooperator having no ongo	ping projects with the Dist	rict they are ranked				
	high.	5	51 51	····,···				
Complementary Efforts:	High BRU has a	opted a Water Conservation	Conservation Plan that h	as been submitted to				
	the District	as part of its Water Use Pern	nit. BRU also secured a M	laster Reuse Permit				
	with the FD	EP and is currently amending	g their WUP to place 4.0 I	MGD on stand-by.				
Project Readiness:	High The project	is ready to begin on or befor	e December 1, 2017.					
		Strategic Goals						
Strategic Goals:	High Strategic I	nitiative - Alternative Water	Supplies: Increase devel	opment of				
	alternative	sources of water to ensure g	roundwater and surface v	vater sustainability.				
	water to of	finitative - Rectaineu water. Iset notable water supplies a	nd restore water levels an					
	Southern	Region Priority: Implement S	Southern Water Use Cauti	ion Area (SWUCA)				
	Recovery	Strateov.						
	Over	all Ranking and Recommen	dation					
Fund as High Priority.	The Cooperator will fu	nd 100 percent design and co	onstruction permit in FY20	017. District will				
	complete the third part	y review in the first quarter of	f FY2018. Anticipating fav	orable results from				
	the third party review, and with the understanding that the Governing Board will need to provide							
	approval to proceed, this project is recommended for funding.							
Eugeline October	Funding							
District			¢1 051 075	10tal				
BDI I	1 a		φ1,001,070 ¢1 Ω51 075	\$2,337,500 €2,007 500				
		0 \$1,945,625 0 \$2,901,250	\$1,001,875 \$2,102,750	\$2,997,500 \$5 QQ5 000				
Iotai	1 4	φ5,091,200	φ2,105,750	φ0,990,000				

Project No. N920	Reclaimed Water-West Villages to Sarasota County South Reclaimed Water								
West Villages Improv.	Transmiss	ion Project			FY2018				
Dist. Risk Level:	Type 2 Multi-Year Contract: No								
		Description							
Description:	Design, pe transmissi irrigation c	Design, permitting, and construction of approximately 5,000 feet of 12 inch reclaimed water transmission mains and other necessary appurtenances to supply approximately 620 residential irrigation customers in the West Villages Community.							
Measurable Benefit:	The Meas reclaimed	urable Benefit, water to reside	, which will be the contract ential customers in the SW	ual requirement, is the sup /UCA.	oply 0.250 mgd of				
Costs:	Total proje District: \$3 West Villa	ect cost: \$712,0 356,000, all of ges: \$356,000	000 (Design, Permitting, ar which is requested in FY20	nd Construction) 018.					
			Evaluation						
Application Quality:	High	Application in	cluded the required inform	ation identified in the CFI	guidelines.				
Project Benefit:	High	The supply 0.	.250 mgd of reclaimed wat	er to residential customers	s in the SWUCA.				
Cost Effectiveness:	High	\$3.81 per gallon per day capital cost which is below the \$10 to \$15 per gallon average for alternative supplies. The estimated cost/benefit is \$0.92 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course projects up to \$10.00/1,000 gallons for residential projects							
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked High.							
Complementary Efforts:	High	West Village's rate structure expansion po environmenta	s reclaimed water system i s for high volume water us ilicies which maximize utiliz al benefits.	ncludes metering and ince ers and has pro-active rec zation, water resource ber	entive based reuse claimed water nefits, and				
Project Readiness:	High	Project is rea	dy to begin on or before D	ecember 1, 2017.					
			Strategic Goals						
Strategic Goals:	High	Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. Southern Region Priority: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.							
Fund on High Driggity	The second	Overal	I Ranking and Recomme	ndation					
Fund as High Priority.	SWUCA a	nd is cost effe	ctive.	ces reliance on traditional	water sources in the				
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
District		\$0	\$356,000	\$0	\$356,000				
West Villages Improvement		\$0	\$356,000	\$0	\$356,000				
Total		\$0	<u>\$7</u> 12,000	\$0	\$712,000				

Project No. N528	SW IMP - Flood Protection - Upper Peninsula Stormwater Improvements Vasconia Box								
City of Tampa	Culvert				FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
		Yes, 4 of 4							
		Description							
Description:	Design, pe the Manha was identi	he Manhattan and El Prado area to relieve residential structure and street flooding. The project was identified in the Basis of Design Report (BODR) developed in September 2013. FY2018							
	funding is	ig is an increase in funding to complete construction of the outfall conveyance							
Measurable Benefit:	The contra	erits. actual Measura	able Renefit will be to upor	ade the existing drainage	conveyance system				
	with water	ouality treatm	ent system. in accordance	with the final permitted de	esian plans.				
Costs:	Total proje	ect cost: \$10,6	97,712 (Design, permitting	, land acquisition, construct	ction) (\$4,187,712				
	cost increa	ase from what	was originally approved)						
	City of Tar	npa: \$5,348,8	56						
	District: \$	5,348,856 with	\$3,255,000 budgeted in p	revious years and \$2,093,	856 (District share of				
	cost increa	ase) requested	Fin FY2018.						
Application Quality:	Low	Evaluation Application included most of the required information identified in the OEL suid-lines. In							
Application Quality.	LOW	cooperation with City staff. District staff confirm cost effectiveness and resource							
		benefit increases based on a recently completed Benefit/Cost Analysis.							
Project Benefit:	High	Structure and street flooding occur in the project area, the project impacts the regional							
		or intermediate drainage system, and the project will reduce the existing flood							
		problem.							
Cost Effectiveness:	High	Senefit/Cost	ratio is greater than or equ d roads.	al to 1. Benefits include av	olded damages to				
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 6 on	going projects.				
Complementary Efforts:	Medium	Cooperator's	Community Rating System	n class is 6 and is in the 6	to 9 range.				
Project Readiness:	High	The project is	ongoing and on schedule						
			Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Mana	gement: Develop better flo	oodplain				
		information a	ind implement floodplain n	nanagement programs to r	maintain storage and				
		conveyance	and to minimize flood dam	age.					
				1.4					
Eund as High Priority	This is an	Overal	Ranking and Recommend st which provides fleed pro-	tootion for structures and	stroots drainago				
r und do riight honty.	system for	the Manhatta	n and Fl Prado area. The	project includes a revised	scope of work				
	which incr	eases the reso	ource benefit and project c	ost from what the Board h	as previously				
	approved.								
			Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$3,255,000	\$2,093,856	\$0	\$5,348,856				
City of Tampa		\$3,255,000	\$2,093,856	\$0	\$5,348,856				
Total		\$6,510,000	\$4,187,712	\$0	\$10,697,712				

Project No. N635	Restoration - Pasco County Crews Lake Natural Systems Construction Phase								
Pasco County					FY2018				
Risk Level	Туре 2	Type 2 Multi-Year Contract: No							
			Description						
Description:	Constructi wetlands i constructio permitting and permit million dol constructio 2011.	Construction of infrastructure to provide reclaimed water to restore approximately 200 acres of wetlands in and adjacent to Crews Lake. The FY2018 funds are requested to complete construction. The FY16 funds were budgeted to complete third party preview, final design and permitting services. The FY15 funds were budgeted for 30% design, environmental monitoring, and permitting services. This project has a conceptual construction estimate greater than \$5 million dollars and the District is requiring a third party review of 30% design plans to confirm construction costs and resource benefits. A feasibility study was completed by Pasco County in 2011.							
Measurable Benefit:	The contra 200 acres	actual Measura of freshwater	able Benefit will be the enha wetlands.	ancement and restoration	of approximately				
Costs	Total proje constructio Pasco Co District: \$2 FDEP: \$4	ect cost: \$8,49 on) unty: \$2,124,4 2,124,442 with ,248,885	7,770 (environmental monit 43 \$365,885 budgeted in prev	oring, design & permitting rious years, \$1,758,557 re	g, 3rd party review, and equested for FY2018.				
Application Quality:	Hiah	Application in	cluded all the required info	rmation identified in the C	FI Guidelines				
Project Benefit:	High	The benefit o Aquifer by an freshwater we	The benefit of this project is the reduction of pollutant loads to the Upper Floridan Aquifer by an estimated 53,272 lbs/year TN and will create and enhance an area of freshwater wetlands using reclaimed water						
Cost Effectiveness:	High	\$2.36 per gallon of capital cost, which is below the \$10 to \$15 per gallon average for alternative supplies. The \$7.96 per pound of total Nitrogen removed is below the average cost \$224/lb and the \$42,489 per acre restored is below the average cost of \$53,326.							
Past Performance:	High	Based on an	assessment of the schedul	e and budget for the 12 o	ngoing project.				
Complementary Efforts:	High	The County h maintains nat Adopt-a-Pond stormwater u	as an active environmenta ture parks and open spaces d and Adopt-a-Road progra tility that collects fees.	lly sensitive land purchase s within the park system. ⁻ ms. Additionally, Pasco C	e program and The County operates county has an active				
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
		r	Strategic Goals						
Strategic Goals:	High	Strategic Ini and impleme quality. Strategic Ini environment restoration. Northern Re	tiative - Water Quality Mai ent programs, projects and i tiative - Conservation and ally sensitive ecosystems a gion Priority: Improve nor	ntenance and Improvem regulations to maintain an Restoration: Identify critind implement plans for protections for protections and the statement of the stateme	ent: Develop Id improve water ical rotection or ms.				
Eurod on High Driarity	The Court	Overal	I Ranking and Recommen	dation	upo 2017				
Fund as High Priority.	The County is anticipated to complete 30% design and third party review in June 2017. Contractually, the County will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the 30% design, third party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY2018 funding to complete construction. This project will restore wetland systems in and adjacent to Crews Lake and will allow Pasco County to beneficially use reclaimed water while increasing the amount of nitrogen treatment.								
Funding Source	D	rior	EV2018	Futuro	Total				
Pasco County	P	\$365 885	\$1 758 558	sn	101dl \$2 124 443				
District		\$365 885	\$1,758,550	ው ምር	φ2,124,443 \$2,124,443				
FDFP		φ303,003 ¢Ω	\$4 248 885	پ ې ۵۵	<u>Ψ</u> 2, 124,442 <u></u> \$1 248 885				
Total		\$731,770	\$7,766,000	\$0 \$0	\$8,497,770				

Project No. N734	WMP - Curlew Creek and Smith Bayou Watershed Management Plan								
Pinellas County						FY2018			
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, Year 3	of 3				
		Description							
Description:	Complete	Complete a Watershed Management Plan (WMP), Sea Level Rise (SLR), and Critical Storm							
	Analysis fo	or the Curlew (Creek and Smi	th Bayou Wa	tersheds in Pinellas Cour	nty, through and			
	including f	loodplain anal	sis, Level of s	Service deterr	nination (LOS), Surface	Water Resource			
	Assessme	nt (SWRA), ar	d Best Manag	jement Practi	ces (BMPs) Alternative A	nalysis. FY2018			
	funding wi	will be used to complete the Floodplain Analysis and start the Alternative Analysis, SLR							
	Analysis, a	and Critical Sto	orm Analysis.						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the deve	elopment of a watershed r	nodel, floodplain			
	analysis, a	and sea level r	se analysis in	cluding inforn	nation that is critical to be	tter identify risk of			
	flood dam	age, opportuni	ties to improve	e water qualit	y, and cost effective alter	natives.			
Costs:	Total proje	ect cost: \$880,0	000						
	Pinellas C	ounty: \$440,00)0						
	District: \$4	140,000 with \$	350,000 budge	eted in previo	us years and \$90,000 rec	quested for FY2018.			
	NA 11		Evalu	ation					
Application Quality:	Medium	Application in	cluded most o	of the required	i information identified in	the CFI Guidelines.			
Broject Bonofity	High	The WMP wil	au to work with	ling problems	that exist in the watershi	ad Currently flood			
Project Benefit.	riigii	analysis mod	els are not av	allable or are	over 10 years old and th	e watershed includes			
		regional or in	termediate sto	inable of ale	ems	e watershed includes			
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than							
	2011	\$50,000/sq mi) for WMPs completed in urban watersheds. This is a heavily urbanized							
		watershed.							
Past Performance:	Medium	m Based on an assessment of the schedule and budget for the 4 ongoing projects.							
Complementary Efforts:	High	Cooperator's	Community R	ating System	class is 5 and is in the 5	or better range.			
Project Readiness:	High	The project is	ongoing an o	n schedule.					
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Ass	essment and Planning:	Collect and			
		analyze data	to determine	local and reg	ional water quality status	and trends to			
		support reso	urce managen	nent decision	s and restoration initiative	es.			
		Strategic Ini	tiative - Flood	lplain Manag	ement: Develop better flo	oodplain			
		information a	ind implement	floodplain ma	anagement programs to r	naintain storage and			
		conveyance	and to minimiz	ze flood dama	ige.				
Fund on Llink Drivity		Overal	l Ranking and	l Recommen	dation				
Fund as High Priority.	This is an	ongoing proje	ct which identi	fies flood risk	in an urban area with no	detailed study			
	informatio	n available. Tr	e resulting pro		Itilized for flood insurance	e determination, neip			
		solutions that	alleviales 1100	u lisk aliu III Curlew Creek	and Smith Bayou Water	sheds. The project			
	planning of future development in the Curlew Creek and Smith Bayou Watersheds. The project								
	from what	the Board has	previously an	proved.					
			<u>Func</u>	ling					
Funding Source	Р	rior	FY20	18	Future	Total			
District		\$350,000		\$90,000	\$0	\$440,000			
Pinellas County		\$350,000		\$90,000	\$0	\$440,000			
Total		\$700,000		\$180,000	\$0	\$880,000			

Project No. N748	SW IMP - Flood Protection - Dale Mabry Henderson Trunkline - Upper Peninsula								
City of Tampa	Watershed	Drainage Imp	provements			FY2018			
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, 3 of 6					
			Descri	iption					
Description:	This proje	This project is for design, permitting and construction to improve the existing drainage system							
	for the Dal	e Mabry High	vay and Hend	erson Boulev	ard area in the City of Tar	npa to relieve			
	commercia	commercial and street flooding. An alternative analysis was completed in 2012 and identified this							
	project as	a preferred alt	ernative. Fund	ling was app	roved in FY16 for 30% de	sign and third party			
	review. Th	e District requ	ired a third par	rty review be	cause the conceptual con	struction estimate			
	is greater	than \$5 million	dollars. The F	Y2018 fundi	ng request is for construc	tion.			
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be complet	ion of design, permitting a	and construction of			
	the draina	ge conveyanc	e system BMP	's to reduce f	flooding in approximately	533 acres of highly			
0	urbanized	basin.	0000 (da sian						
Costs:	City of Tor	ct cost: \$40,0	JU,UUU (desigr	i, permitting a	and construction; design/t	bulla)			
	District: \$	npa. \$20,000,0	JUU 5 ©1 000 000 I	oudgeted in r	voore \$4.000.00	0 requested in			
	EY2018 a	nd \$15 000 00	Ω anticinated t	o he request	ed in future years	o requested in			
	112010 0	10 \$10,000,00	Evalu	ation					
Application Quality:	Hiah	Application included all the required information identified in the CEL Guidelines.							
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during							
Fioject Benefit.	riigii	the 2.33 year. 24 hour storm event. Structure and streat flooding currently occurs in							
		the project area and the project impacts the regional or intermediate drainage system							
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7. Benefits include							
		avoided damages to structures and roads.							
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 6 on	going projects.			
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 6 and is in the 6	to 9 range.			
Project Readiness:	High	The project is	ongoing and	on schedule.					
			Strategi	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	Iplain Manag	jement: Develop better flo	odplain			
		information a	and implement	floodplain m	anagement programs to r	naintain storage and			
		conveyance	and to minimiz	ze flood dama	age.				
		Overa	I Ranking and	d Recommen	dation				
Fund as High Priority.	The City is	s anticipated to	complete the	30% design	and third party review by	December 2017.			
	Contractu	ally, the City w	ill need Gover	ning Board a	pproval to proceed beyon	d this task.			
	Anticipating favorable information from the third party review, and with the understanding that								
	the Gover	ning Board wil	I need to provi	de approval f	to proceed, Staff is recom	imending FY2018			
	funding fo	r construction.	If constructed	, this project	will provide flood protection	on for structures and			
	streets du	ring the 2.33-y	ear, 24-nour s	torm event. H	Project area serves as the	main evacuation			
	route for S	south Tampa.	Fund	lina					
Eunding Source	D	rior	Func EV20	48 18	Euturo	Total			
District	F	\$1,000,000	F120	\$4,000,000	\$15,000,000	101dl \$20,000,000			
City of Tompo		\$1,000,000		\$4,000,000	\$15,000,000	\$20,000,000			
		\$1,000,000		\$4,000,000	\$15,000,000	\$20,000,000			
Total		\$2,000,000		\$8,000,000	\$30,000,000	\$40,000,000			

Project No. N773	SW IMP - Flood Protection - Cypress Street Outfall Regional Stormwater Improvements								
City of Tampa						FY2018			
Risk Level:	Туре 3			Multi-Year Yes, 2 of 4	Contract:				
		Description							
Description	This project for the We	This project is for design, permitting and construction to improve the existing drainage system for the West Riverfront and North Hyde Park areas in the City of Tampa to relieve structure and street flooding. This project is for construction of Phase 2 of the project which extends the Phase							
	1 outfall w	1 outfall which was funded solely by the City of Tampa. Funding was approved in FY2017 for							
	30% desig conceptua is for desig	30% design and third party review. The District required a third party review because the conceptual construction estimate is greater than \$5 million dollars. The FY2018 funding request is for design and construction							
Measurable Benefit:	The contra	actual Mesural	ole Benefit will	be completic	n of design, permitting ar	nd construction of			
	the proposition	sed project to o	construct drain	age conveya	nce system BMP's to red	uce flooding in			
Costs:	Total proje	ect cost: \$30,0	0,000 (design	n, permitting a	and construction, design/b	build)			
	City of Tar	mpa: \$15,000,0	000		•				
	District: \$	15,000,000 wit	h \$500,000 bu	dgeted in pre	evious years, \$1,000,000	requested in			
	FY2018 a	nd \$13,500,00	0 anticipated t	o be requeste	ed in future years.				
Application Quality	Maaliuma	Annii antian in	Evalua	ation	l information identified in .	the OEL swidelines			
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.							
Project Benefit:	High	The Resourc	e Benefit of thi	s project will	reduce the existing floodi	ng problem during			
		the 25 year, 24-hour storm event. Structure and street flooding currently occurs in the							
Cost Effectiveness	Modium	project area and the project impacts the regional or intermediate drainage system.							
COSt Effectiveness.	Medium	avoided dam	and is less ind	ires and road	iei illali ol equal io 0.7. d				
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget for the 6 on	going projects.			
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 6 and is in the 6	to 9 range.			
Project Readiness:	High	Project is rea	dy to begin on ted.	or before De	ecember 1st of the fiscal y	ear the funding is			
		l sonig roquoo	Strategio	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	Iplain Manag	ement: Develop better flo	odplain			
			and to minimiz	tioodpiain m ze flood dam:	anagement programs to r	naintain storage and			
					.90.				
		Overal	l Ranking and	Recommen	dation				
Fund as High Priority.	The City is	s anticipated to	complete the	30% design	and third party review by	December 2017.			
	Contractu	ally, the City w	ill need Gover	ning Board a	pproval to proceed beyon	d this task.			
	Anticipatir	ng favorable in	formation from	the third par	ty review, and with the un	derstanding that			
	the Gover	the Governing Board will need to provide approval to proceed, Staff is recommending FY2018							
	structures	and streets du	unstruction. If	constructed,	unis project will provide fic	bou protection for			
	31 4014185		Fund	lina					
Funding Source	Р	rior	FY20	18	Future	Total			
District		\$500,000		\$1,000,000	\$13,500,000	\$15,000,000			
City of Tampa		\$500,000		\$1,000,000	\$13,500,000	\$15,000,000			
Total		\$1,000,000		\$2,000,000	\$27,000,000	\$30,000,000			

Project No. N776	Reclaimed Water - Hillsborough County 19th Avenue Reclaimed Water Transmission								
Hillsborough County	Main		-			FY2018			
Risk Level:	Type 2			Multi-Year	Contract:				
		Yes, Year 2 of 2							
		Description							
Description:	Constructi	on of approxin	nately 19,000 f	feet of 20 to 3	30-inch reclaimed water to	ransmission mains			
	and other	necessary app	ourtenances to	supply 2,000) residential irrigation cus	tomers in the			
	Harbour Is	sle and Waters	et South deve	lopments and	d future additional resider	itial irrigation and			
Measurable Benefit:	The Meas	The Measurable Renefit, which is the contractual requirement, is the supply of 1.20 mad of							
measurable Denemt.	reclaimed	water for irrig	tion nurnoses	in the Most I	mnacted Area (MIA) of th	ne SWIICA			
Costs:	Total proje	ect cost: \$5,42	7,343 (Constru	uction)					
	Hillsborou	gh County: \$2	,713,672	,					
	District: \$2	2,713,671, with	1,000,000 b	udgeted in F	Y2017 and \$1,713,671 re	equested in FY2018.			
	The project	ct was approve	ed in FY2017 v	vith a total co	st of \$6,098,000 (\$3,049	,000 District share),			
	however b	based upon ac	tual bids, the to	otal cost has	been reduced by \$670,6	57 with no change			
	in scope.								
			Evalu	ation					
Application Quality:	Hiah	Application in	cluded the red	uired informa	ation identified in the CFI	auidelines.			
Project Benefit:	High	The supply of	f 1.20 mad of i	reclaimed wa	ter for irrigation purposes	in the Most Impacted			
		Area of the S	WUCA. The p	roiect will als	o allow for the future sup	ply of up to 8.60 mad			
		to the South	Hillsborough A	rea Recharg	e Project (SHARP/SHAR	E) and additional			
		residential irrigation customers in the MIA of the SWUCA.							
Cost Effectiveness:	High	\$9.05 per gallon per day capital cost which is less than the \$10 to \$15 per gallon							
		average for alternative supplies. The estimated cost effectiveness is \$2.18 per							
		thousand gallons of water resource benefit which is within the cost range for reuse							
		projects which typically range from a low of \$0.15/1,000 gallons for golf course							
		projects up to	°∼\$10.00/1,00	0 gallons for	residential projects. The	project costs are			
Bast Porformanco	Modium	Based on an	in the range of	f the schedul	and budget for 10 ong	ecis.			
Complementary Efforte	High	The County's	reclaimed wa	ter system in	cludes metering and ince	intive based reuse			
	riigii	rate structure	s for high volu	me water us	ers and has pro-active re	claimed water			
		expansion po	licies which m	aximize utiliz	ation, water resource bei	nefits, and			
		environmenta	al benefits.		,	,			
Project Readiness:	High	Project is ong	joing and on s	chedule.					
		1	Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed			
		water to offs	et potable wat	er supplies a	nd restore water levels ar	nd natural systems.			
		Tampa Bay	Region Priorit	ty: Improve L	ake Thonotosassa, Tamp	a Bay, Lake Tarpon			
		and Lake Se	minole.	Imploment	Southorn Mator Lloo Cout	ion Aroa (SM/LICA)			
	Southern Region Priority: Implement Southern Water Use Caution Area (SWUCA)								
		Overa	l Ranking and	d Re <u>commen</u>	dation				
Fund as High Priority.	Project is	recommended	for funding as	s it reduces re	eliance on traditional wate	er sources in the			
	SWUCA a	ind is cost effe	ctive. The proj	ect is not ran	ked 1A because the total	costs have been			
	reduced b	y \$670,657 wi	th no change i	n scope or be	enefit.				
			Fund	ling					
Funding Source	P	rior	FY20	18	Future	Total			
		\$1,000,000		\$1,713,671	\$C	\$2,713,671			
		\$1,000,000		\$1,/13,672	\$0	\$2,713,672			
Iotal	1	⊅∠,∪∪ ∪,∪∪Ս			\$0	φο,427,343			

Project No. N836	SW IMP - F	/ IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 1 & 2							
Pasco County					FY2018				
Risk Level:	Туре 3	Type 3 Multi-Year Contract:							
		Yes, Year 1 of 2							
	_	Description							
Description:	Land acqu	Land acquisition, design, permitting, and construction for conveyance improvements within Units							
	1 and 2 of	Zephyr Creek	, the most downstream port	tions of the overall Zephyr	Creek Watershed.				
	Unit 1 con	sists of acquis	ition of floodplain easement	is south of Chancey Road	to account for				
	increased	conveyance c	anacity for the creek system	from C Avenue to US Hi	ahway 301				
Measurable Benefit:	The contra	actual Measura	able Benefit will be the redu	ction of structure and stre	et flooding during				
	the 100 ye	ear, 24 hour st	orm event through the cons	truction of conveyance im	provements within				
	the Zephy	r Creek Water	shed Units 1 and 2.	,	1				
Costs:	Total proje	ect cost: \$2,15	0,000 (Land acquisition, dea	sign, permitting, construct	ion)				
	Pasco Co	unty: \$1,075,0	00						
	District: \$1	1,075,000 with	\$150,000 requested in FY2	2018, and \$925,000 antici	pated to				
	be reques	ted in future ye	Evaluation						
Application Quality:	Medium	edium Application included most of the required information identified in the CEL quidelines							
Application Quality.	wicdiam	District PM had to work with cooperator to obtain remaining required information.							
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during							
		the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the							
		project area and the project impacts the intermediate drainage system.							
Cost Effectiveness:	High	Benefit/cost r	atio is greater than or equa	I to 1. Benefits include avo	bided damages to				
Deet Derfermenen	Lliab	structures an	d roads.	a and hudget for the 12 a	agoing projecto				
Past Performance:	Modium	Cooperator's	Community Pating System	e and budget for the 12 of	to 9 range				
Complementary Enorts:		Droiget in roa	du to bogin on or before Do		to 9 range.				
Project Readiness.	HIGH	FIOJECLISTEA	Stratogic Goals						
Stratogic Goals	Modium	Stratogic Ini	tiativo Eloodolain Manag	amant: Dovolon bottor fla	odplain				
Strategic Obais.	Medium	information a	and implement floodplain manag	anagement programs to n	naintain storage and				
		conveyance	and to minimize flood dama	age.	lantan otorago ana				
				5					
		Overal	I Ranking and Recommen	dation					
Fund as High Priority.	This proje	ct will reduce s	structure and street flooding	during the 100 year, 24 h	nour storm event by				
	constructi	constructing conveyance improvements within the Zephyr Creek Watershed Units 1 and 2 and is							
	cost effect	tive.	—						
	_		Funding		■ 4 •				
Funding Source	<u>Р</u>	rior	FY2018	Future	Iotal				
District Resear County		\$0	\$150,000	\$925,000	\$1,075,000				
Table County		\$0	\$100,000 \$300,000	\$925,000 \$1 850 000	\$1,075,000				

Project No. N837	Reclaimed Water - Pasco County Cypress Preserve Reclaimed Water Transmission								
Pasco County	Project					FY201			
Risk Level:	Type 2			Multi-Year Yes, 1 of 2	Contract:				
	-		Descri	iption					
Description:	Design, pe	Design, permitting and construction of approximately 3,000 feet of 10 to 14 inch reclaimed water							
	transmissi	on mains and	other necessa	ry appurtena	nces to supply approxima	tely 557 single			
	family hon	ily homes, 284 multi-family homes, and approximately 15 acres of common areas in the							
Measurable Benefit:	The Meas	urable Benefit	. which will be	the contractu	al requirement. is the sur	pply of 0.19 mad of			
	reclaimed	water to reside	ential custome	rs in the Nor	th Tampa Bay Water Use	Caution Area			
	(NTBWUC	CA).							
Costs:	Total proje	ect cost: \$350,0	000 (design, p	ermitting, and	d construction)				
	District: \$	175.000 with 1	, 7.500 requeste	ed in FY2018	and \$157.500 anticipate	d in future			
	years.	-,	,						
		Evaluation							
Application Quality:	High	High Application included the required information identified in the CFI guidelines.							
Project Benefit:	High	The supply 0.19 mgd of reclaimed water to residential customers in the NTBWUCA.							
Cost Effectiveness:	High	\$3.07 per gallon per day capital cost for the water resource benefit, which is below the							
		is \$0.75 per thousand gallons of water resource benefit which is within the cost range							
		for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf							
		course projec	ts up to \$10.0	0/1,000 gallo	ons for residential projects				
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for 12 ongo	ing projects.			
Complementary Efforts:	High	Pasco reclair	hed water syst	tem includes	metering and incentive ba	ased reuse rate			
		policies which	n maximize uti	lization. wate	r resource benefits, and e	environmental			
		benefits.		,					
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.				
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed			
		Tampa Bay	et potable wat	er supplies a	t Minimum Flow and Levels and	l (MEL) Recovery			
		Strategies.	Region i nom	y. mpicmen					
		Överal	I Ranking and	d Recommen	dation				
Fund as High Priority.	Project pr	ovides cost eff	ective reclaim	ed water sup	plies in the NTBWUCA.				
Eunding Course		uie u	Func	ling	Euture	Total			
Pasco County	р 	רוטר ¢ח	F ¥ 20	\$17 500	Future \$157 500	10tai \$175.00			
District		پن ۵۳		\$17,500	\$157.500	\$175.00			
Total		\$0		\$35,000	\$315,000	\$350,00			

Project No. N841	SW IMP - Flood Protection - Forest Hills West								
Pasco County					FY2018				
Risk Level:	Type 2	Type 2 Multi-Year Contract: No							
		Description							
Description:	Constructi	Construction of conveyance improvements within the western portion of the Forest Hills							
	neighborh intermedia	eighborhood and construction of additional connections and improvements to the ultimate Itermediate system outfall.							
Measurable Benefit:	The contra	The contractual Measurable Benefit will be the reduction of flooding in the 100 year, 24 hour							
	storm eve	nt through the	construction of conveyanc	e and outfall improvement	ts.				
Costs:	Total proje	ect cost \$1,200	,000 (Construction)						
	Pasco Co	unty: \$600,000)						
	District: \$6	600,000 with \$	600,000 requested in FY20)18.					
		I	Evaluation						
Application Quality:	Medium	Application in District PM ha	cluded most of the require ad to work with cooperator	d information identified in to obtain remaining requi	the CFI guidelines. red information.				
Project Benefit:	High	The Resourc	e Benefit of this project will	reduce the existing floodi	ing problem during				
		the 100 year,	24 hour storm event. Strue	cture and street flooding c	currently occurs in the				
		project area and the project impacts the intermediate drainage system.							
Cost Effectiveness:	High	Benefit/cost ratio is greater than or equal to 1. Benefits include avoided damages to							
Dact Darformanco:	High	Based on an	u 1080S. assessment of the schedu	le and hudget for the 12 o	paoina projects				
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6	to 9 range				
Project Posdines:	High	Project is rea	dy to begin on or before D	acember 1, 2017	to 9 range.				
Project Neadiness.	Tilgn		Stratogic Goals						
Stratagia Coolou	Madium		Strategic Goals	rement: Dovelop better fle	adalain				
Strategic Goals:	Medium	strategic ini	tiative - Floodplain Manag	gement: Develop beller lic	pouplain				
		conveyance	and to minimize flood dam	anayement programs to r ane	naman storage and				
		conveyance		ago.					
		Overal	Ranking and Recommer	ndation					
Fund as High Priority.	This proie	ct will reduce s	structure and street flooding	a during the 100 year. 24	hour storm event by				
	constructi	ng conveyance	and outfall improvements	within the Forest Hills nei	ighborhood.				
		· ·	Funding		- 				
Funding Source	Р	rior	FY2018	Future	Total				
District		\$0	\$600,000	\$0	\$600,000				
Pasco County		\$0	\$600,000	\$0	\$600,000				
Total		\$0	\$1,200,000	\$0	\$1,200,000				

Project No. N844	WMP - Pea	eak/Volume Sensitive							
Hillsborough County							FY2018		
Risk Level:	Туре 3			Multi-Year	Contract: No				
	Description								
Description:	Completio	Completion of analyses of updated Watershed Management Plans and models to identify peak							
	sensitive,	tive, volume sensitive and restriction location areas within Hillsborough County and creation							
	of a geoda	atabase to store, manage, and access the results. These areas were initially identified							
	in 2002 ba	sed on the Co	sed on the County's 2001 version of 17 hydrologic/hydraulic models. Numerous model						
	updates ha	ave been com	pleted since 20	002. The geo	database will include rest	triction event,			
	nistorical f	looaing inform	ation and mas	ter plan prop	bet are utilized by SM/EM	atabase will be			
	staff and th	eu in the wate		ent staff for a	nal are utilized by SWFW	and land			
	developme	ent review.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the crea	tion of the geodatabase t	to identify peak			
	sensitive,	volume sensit	ve and restrict	ion location a	areas within Hillsborough	County.			
Costs:	Total proje	ct cost: \$400,	000						
	Hillsborou	gh County: \$2	00,000						
	District: \$2	200,000 reque	sted in FY201	3.					
	1.12.1	A	Evalu	ation	una ati ang internetifia at ing the a				
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.							
Project Benefit:	High	The Resource Benefit of this project will provide updated areas of concern to the							
		SWFWMD Regulatory staff and the County's Land Development staff for review.							
		Currently, the areas of concern were identified using the County's 2001 version 17							
Cost Effectiveness:	High	Cost is \$4.00	0 or less/sa. n	ni.					
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for the 10 c	ongoing projects.			
Complementary Efforts:	High	Cooperator's	Community R	ating System	class is 5 and is in the 5	or better range.			
Project Readiness	High	Project is rea	dy to begin on	or before De	ecember 1st of the fiscal y	year the funding is			
-	C C	being reques	ted.			_			
			Strategi	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	lplain Manag	ement: Develop better flo	oodplain			
		information a	and implement	floodplain ma	anagement programs to i	maintain storage a	nd		
		conveyance	and to minimiz	ze flood dama	age.				
Fund on Lligh Drinrity		Overa	l Ranking and	l Recommen	dation				
Fullu as high Fholity.	Project Wil	i provide nece	ssary information		porated into the watersr				
	Developm	ent review put	noses Geoda	tabase will n	rovide neak sensitive vol	lume sensitive and			
	restriction	location areas	,						
			Func	ling					
Funding Source	P	rior	FY20	18	Future	Total			
District		\$0		\$200,000	\$0		\$200,000		
Hillsborough County		\$0		\$200,000	\$0		\$200,000		
Total		\$0		\$400,000	\$0		\$400,000		

Project No. N845	Conservat	ion - Pasco Co	ounty Florida Wa	iter Star R	lebate Pilot Project			
Pasco County		FY2018						
Risk Level:	Туре 1		м	lulti-Year	Contract: No			
	Description							
Description:	A pilot pro	gram with fina	ncial incentives to	home bu	ilders for building homes	to Florida Water		
	Star (FWS	ar (FWS) standards and submitting proof of FWS certification for these homes. FWS homes						
	meet spec	ific water-effic	iency criteria insid	de the hon	nes in appliances and fixt	ures and outside		
	the homes	s in landscape	and irrigation des	sign and in	stallation. This project wil	l provide a \$700		
	rebate per	home for hom	ne builders to assi	ist with the	e additional costs associa	ted with building		
	and certify	ing approxima	tely 100 FWS-ce	rtified hom	ies.			
Measurable Benefit:	The contra	actual Measura	able Benefit will b	e the impl	ementation of the prograr	n and the		
	completion	n of a final rep	ort.					
Costs:	Total proje	ect costs: \$70,0	000					
	Pasco Co	unty: \$35,000						
	District: \$3	35,000						
		Evaluation						
Application Quality:	High	Application included all of the required information identified in the CFI Guidelines.						
Project Benefit:	High	The benefit of this project is the conservation of approximately 13,200 gallons per day						
		in the Northe	rn Tampa Bay Wa	ater Use C	aution Area (NTBWUCA)			
Cost Effectiveness:	High	Project cost e	effectiveness is be	elow \$3.00) per thousand gallons sa	ved.		
Past Performance:	High	Based on an	assessment of th	e schedul	e and budget for the 12 o	ngoing projects.		
Complementary Efforts:	Medium	Cooperator p	er capita is betwe	een 75 and	d 125 gcpd.			
Project Readiness:	High	Project is rea	dy to begin on or	before De	ecember 1, 2017.			
			Strategic G	ioals				
Strategic Goals:	High	Strategic Ini	tiative - Conserv	vation: Enl	hance efficiencies in all w	ater-use sectors.		
		Tampa Bay	Region Priority:	Implement	t Minimum Flow and Leve	l (MFL) Recovery		
		Overal	I Ranking and R	ecommen	dation			
Fund as High Priority.	This proie	ct conserves c	otable water sup	ply in the I	NTBWUCA and is cost eff	ective.		
	- p - g-		Funding	g				
Funding Source	Р	rior	FY2018		Future	Total		
Pasco County		\$0		\$35,000	\$0	\$35,000		
District		\$0		\$35,000	\$0	\$35,000		
Total		\$0		\$70,000	\$0	\$70,000		

Project No. N850	SW IMP - FI	ood Protecti	on - Sea Pines	s Neighborhood	I Flood Abatement					
Pasco County							FY2018			
Risk Level:	Туре 3			Multi-Year Co	ntract: No					
	-		Descri	iption						
Description	This project conveyance County. Dis includes mu third party r to complete	I his project is for 30% design and third party review of new and upgraded stormwater conveyance systems and storage ponds within the Sea Pines neighborhood in western Pasco County. District funding is for 30% design and third party review as this project is complex and includes multiple land acquisitions. The FY2018 funding request is to complete 30% design and third party review which will provide the necessary information to support funding in future years to complete land acquisition, design, permitting and construction.								
Measurable Benefit:	The contrac review of th	he contractual Measurable Benefit will be the completion of the 30% design and third party eview of this proposed project to construct new stormwater conveyance and storage systems								
Costs	Total project Pasco Cour District: \$15 The concept anticipated construction	Fotal project cost: \$300,000 (30 percent design, third party review) Pasco County: \$150,000 District: \$150,000 The conceptual estimate to complete design, permitting and construction is \$3,000,000. It is anticipated that Pasco County will request funding to complete design, permitting and construction in future years								
			Evalu	ation						
Application Quality:	Medium	n Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.								
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.								
Cost Effectiveness:	High	Benefit/cost ratio is greater than 1. Benefits include avoided damages to structures and roads.								
Past Performance:	High	Based on an	assessment o	f the schedule a	ind budget for the 12 o	ngoing projects.				
Complementary Efforts:	Medium	Cooperator's	Community R	ating System cla	ass is 6 and is in the 6	to 9 range.				
Project Readiness:	High	Project is rea	dy to begin on	or before Dece	mber 1, 2017.					
			Strategi	c Goals						
Strategic Goals:	Medium	Strategic In information a conveyance	tiative - Flood and implement and to minimiz	Iplain Managen floodplain mana ze flood damage	nent: Develop better flo agement programs to r e.	oodplain naintain storage and	d			
		Overa	II Ranking and	d Recommenda	tion					
Fund as High Priority.	y. The County is requesting funds to complete the 30% design and third party review only. The results from the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing new stormwater conveyance and storage ponds. It has a high resource benefit and is cost effective.									
Funding Source	D:	or	Func	18	Euture	Total				
District	Pri	UI ¢۸	F120	\$150,000	Future ¢∩	Iotai	\$150.000			
Pasco County		ው ው ው		\$150,000	ው ወ		\$150,000			
Total				\$300 000	\$0 \$0		\$300.000			
iulai	1	ψŪ		<i>4000,000</i>	ΨŬ		, ,			

Project No. N852	Pasco Cou	Pasco County – Toilet Rebate – Phase 11						
Pasco County							FY2018	
Risk Level:	Type 1			Multi-Year	Contract: No			
			Descr	iption				
Description:	Financial i	ncentives to re	sidential custo	omers for the	replacement of convention	onal toilets with		
	high-efficie	ency toilets tha	t use 1.28 gal	lons per flush	n or less and to commerci	al customers for		
	the replac	ement of conve	entional toilets	with ultra-low	w flow toilets that use 1.6	gallons per flush or		
	less. This	project will incl	lude rebates a	nd program a	administration for the repl	acement of		
	approxima	ately 500 high f	low toilets. Als	so included a	re educational materials,	program promotion		
	and surve	ys necessary t	o ensure the s	success of the	e program.			
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ill be the impl	ementation of the program	m and the		
Control	Completion	n of a Final Re						
00515.	Pasco Co	unty: \$50,000	,000					
	District: \$	50 000						
	Biotriot: Q	50,000	Evalu	ation				
Application Quality:	High	Application in	cluded all of t	he required ir	nformation identified in the	e CFI Guidelines.		
Project Benefit:	High	The benefit of this project is an estimated 13,640 gpd of water conserved in the						
		Northern Tampa Bay Water Use Caution Area (NTBWUCA).						
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.00	0 per thousand gallons sa	aved.		
Past Performance:	High	Based on an	assessment o	f the schedul	le and budget for the 12 c	ngoing projects.		
Complementary Efforts:	Medium	Cooperator p	er capita is be	tween 75 and	d 125 gcpd.			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.			
		1	Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: En	hance efficiencies in all w	ater-use sectors.		
		Tampa Bay	Region Priori	t y : Implemen	t Minimum Flow and Leve	el (MFL) Recovery		
		Strategies.						
		Overal	l Ranking and	d Recommen	ndation	e		
Fund as High Priority.	This proje	ct conserves p	otable water s	supply in the	N I BWUCA and is cost ef			
Funding Source	•	rior	Fund	410 19	Euturo	Total		
Pasco County	P	101 ¢∩	F120	\$50.000			\$50.000	
District								
Total		\$0 \$0		\$100,000	\$0		\$100.000	

Project No. N855	Restoration – South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1								
Hillsborough County						FY2018			
Risk Level	Туре 3			Multi-Year	Contract:				
				Yes, Year 1	of 4				
		Description							
Description	Third Part	y Review (TPF	R) of the Count	y's 30% desig	gn, completion of FY2018	8 design and			
	permitting	ermitting, and initiation of construction for Phase 1 of the South Hillsborough Aquifer Recharge							
	Expansior	xpansion (SHARE) project. The Phase 1 project, if approved, will construct 9,500 feet of							
	transmissi	anomission maino, ucoign, permit, and construct two recitative wells (2 mgu eddit) and eight ponitoring wells: and install associated appurtenances. The SHARE project expands upon of							
	the County	ionitoring wells, and install associated appunchances. The SHARE project expands upon of the County's current recharge project (N297) and upon completion will consist of up to seven							
	recharge v	echarge wells with a total recharge flow of up to 14 mod in Southern Hillsborough. TPR of the							
	County's 3	County's 30% design will be required per the District's CFI quidelines, as this project has a							
	conceptua	conceptual cost greater than \$5 million.							
Measurable Benefit:	The contra	actual Measure	eable Benefit v	vill be comple	tion of the TPR, complet	ion of FY2018			
	design an	d permitting, a	nd completion	of FY2018 co	onstruction.				
Costs	Total proje	ect cost: \$5,03	0,000 (30% de	sign, TPR, su	ubsequent FY2018 desig	n permitting, and			
	initiation o	f construction)	705 000 (1 1		0 (000/ 1				
	Hillsborou	gn County: \$2	,765,000 (Inclu	udes \$500,00	0 for 30% design paid so	biely by the County)			
	Concentu	2,200,000 al estimate to (complete desid	n nermitting	and construction is \$10	200.000. It is			
	anticipate	d the County w	/ill request fun	dina to compl	lete the project in future v	/ears.			
		, , , , , , , , , , , , , , , , , , ,	Evalu	ation					
Application Quality:	Medium	Medium Application included the required information identified in the CFI guidelines. Clarifying							
		information was also obtained through meetings with the County.							
Project Benefit:	High	High The benefit of this project, if constructed, is to expand the use of reclaimed water to							
		recharge non	-potable portio	ons of the Up	per Floridan aquifer to co	ntribute towards			
		the SMUCA	SWUCASWI	MAL and SION	w the rate of saltwater int	rusion in the IVIIA of			
Cost Effectiveness	Hiah	High The project costs are consistent with the range of costs for similarly funded District							
		projects.							
Past Performance:	Medium	Based on ass	sessment of th	e schedule a	nd budget for 10 ongoing) projects.			
Complementary Efforts:	High	Hillsborough	County's recla	imed water s	ystem includes metering	and incentive based			
		reuse rate str	uctures for hig	jh volume wa	ter users and has pro-ac	tive reclaimed water			
		expansion po	licies which m	aximize utiliz	ation, water resource ber	nefits, and			
Project Peadiness	High	Project is rea	dy to begin on	or before De	cember 1, 2017				
Project Reduiness	Tilgh	FIDJECLISTEA	Strategi						
Strategic Goals	High	Strategic Ini	tiative - Recla	imed Water	Maximize beneficial use	of reclaimed			
Offategie Obais.	riigii	water to offs	et potable wat	er supplies ar	nd restore water levels ar	nd natural systems.			
		Tampa Bay	Region Priorit	v: Implement	Minimum Flow and Leve	el (MFL) Recoverv			
		Strategies.				())			
		Overa	I Ranking and	d Recommen	dation				
Fund as High Priority.	Requeste	d funds are to	conduct TPR of	of the County	's 30% design, complete	subsequent			
	FY2018 d	esign and perr	nitting, and ini	tiate construc	tion in FY2018. Contract	ually, the County			
	will need (Governing Boa	ird approval to	proceed bey	ond the IPR. The IPR v	vill also be used to			
	favorable	information fro	m the TPP or	impacts to cu	derstanding that the Gov	verning Board will			
	need to pr	rovide approva	I to proceed s	staff is recom	mending FY2018 funding	to complete design			
	and initiat	e construction	in FY2018. Re	esults from th	e TPR will provide the Di	strict with			
	informatio	n to confirm ar	nticipated reso	urce benefits	and cost effectiveness o	f the project. The			
	project is	ranked high as	it is expected	to compleme	ent other efforts being put	rsued by the			
	District to	contribute tow	ards achieving	the SWUCA	SWIMAL.				
			Func	ling					
Funding Source	P	rior	FY20	18	Future	Total			
		\$0		\$2,265,000	\$0	\$2,265,000			
		\$500,000		\$2,205,000	\$U ¢n	\$2,765,000			

Project No. N859	SW IMP - F	lood Protecti	on - Holiday Hi	II Drainage	Improvement				
Pasco County						FY2018			
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, Year 1	of 2				
		Description							
Description:	Land acqu	isition, design	, and constructi	on of the ex	pansion of an existing sto	rmwater pond and			
	the additio	on of a new pui	mp station and	outfall for the	e Holiday Hills Subdivision	n in Pasco County.			
	The neigh	e neighborhood receives offsite, intermediate system flows and experiences routine flooding.							
		project includes the purchase of parcels adjacent to an existing stormwater pond and the							
	outfall to t	he north of the	subdivision	with Outlan p					
Measurable Benefit:	The contra	actual Measura	able Benefit will	be the redu	ction of flood elevations of	during the 25 year.			
	24 hour st	orm event thro	ough the expansion	sion of an ex	sisting stormwater pond a	nd addition of a			
	pump stat	ion and associ	ated outfall pip	ing.	•				
Costs:	Total proje	ect cost: \$1,10	0,000 (Land ac	quisition, de	sign, permitting, construct	tion)			
	Pasco Co	unty: \$550,000) (Includes \$20	0,000 of land	d acquisition costs as fund	ding match)			
	District: \$	550,000 with \$	100,000 reques	sted in FY20	18, and \$450,000 anticipa	ated to be			
	requested	requested in future years.							
Application Quality	Modium	Evaluation							
Application Quality:	Medium	District PM had to work with cooperator to obtain remaining required information							
Project Benefit:	Hiah	The Resource Benefit of this project will reduce the existing flooding problem during							
		the 25 year, 24 hour storm event. Structure and street flooding currently occurs in the							
		project area and the project impacts the intermediate drainage system.							
Cost Effectiveness:	High	Benefit/cost ratio is greater than or equal to 1. Benefits include avoided damages to							
		structures an	d roads.						
Past Performance:	High	Based on an	assessment of	the schedul	e and budget for the 12 o	ngoing projects.			
Complementary Efforts:	Medium	Cooperator's	Community Ra	ting System	class is 6 and is in the 6	to 9 range. Benefits			
Ducient Dendinger	Madium	include avoid	ed damages to	structures a	ind roads.				
Project Readiness:	Mealum	Project is rea	dy to begin on	Or before Ma	arch 1, 2018.				
Strategia Casley	Madiuma	Cturate aria Inc	Strategic	Goals	ement: Develop better fle	- daleia			
Strategic Goals:	medium	information a	tiative - Flood	floodolain m	ement: Develop better lid	pouplain maintain storage and			
		conveyance	and to minimize	e flood dama	anagement programs to r	namain storage and			
					.90.				
		Overal	Ranking and	Recommen	dation				
Fund as High Priority.	This proie	ct will reduce s	structure and st	reet flooding	during the 25 year. 24 h	our storm event by			
,	expanding	an existing st	ormwater pond	and constru	icting a new pump station	and associated			
	outfall pip	ing and is cost	effective.						
			Fundi	ing					
Funding Source	Р	rior	FY201	8	Future	Total			
District		\$0		\$100,000	\$450,000	\$550,000			
Pasco County		\$0		\$100,000	\$450,000	\$550,000			
Total		\$0		\$200,000	\$900,000	\$1,100,000			

Project No. N863	Reclaimed	Water - Hillsb	orough County Summerfi	eld Sports Complex						
Hillsborough County					FY2018					
Risk Level:	Type 2		Multi-Year	Contract: No						
	Description									
Description:	Design, pe pump stati	ermitting and c on; and other	onstruction of an interconne necessary appurtenances t	ected transmission line, o supply contracted rec	a reclaimed water laimed water flows to					
Moasurable Bonofit:	The Mean	Inneuro neius localed al the Summerneio Sports Complex In Hillsborough County.								
measurable benefit.	reclaimed Water Use	water for irriga	ation purposes within the Mo (SWUCA).	ost Impacted Area (MIA	(a) of the Southern					
Costs:	Total proje Hillsborou District: \$7	ct cost: \$155,0 gh County: \$7 7,500 all in FN	000 (Design, permitting and 7,500 Y2018.	construction)						
			Evaluation							
Application Quality:	High	Application in	cluded all the required info	rmation identified in the	CFI Guidelines.					
Project Benefit:	High	The supply of	f 0.065 mgd of reclaimed w	ater within the MIA of th	e SWUCA.					
Cost Effectiveness:	High	\$3.16 per gallon per day capital cost which is below the \$10 to \$15 per gallon average for alternative supplies. The estimated cost effectiveness is \$0.76 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course projects up to								
Past Performance:	Medium	Medium Based on an assessment of the schedule and budget for 10 ongoing projects								
Complementary Efforts:	High	Hillsborough metering and has pro-active environmenta	County's reclaimed water s incentive based reuse rate e reclaimed water expansio al benefits.	ystem has a program ir structures for high volu n policies which maxim	n place that includes ime water users and ize utilization, and					
Project Readiness:	High	Project is exp	pected to begin on or before	December 1, 2017						
			Strategic Goals							
Strategic Goals:	High	High Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. Southern Region Priority: Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy								
		Overal	ll Ranking and Recommen	dation						
Fund as High Priority.	This project of the SWI	ct is recomme UCA	nded for funding as it reduc	es reliance on traditiona	al supplies in the MIA					
Funding Source	Pi	rior	FY2018	Future	Total					
Hillsborough County		\$0	\$77,500	\$	\$77,500					
District		\$0	\$77,500	\$	\$0 \$77,500					
Total		\$0	\$155,000	\$	\$0 \$155,000					

Project No. N867	SW IMP - F	lood Protecti	on - Palm Avenue Floodin	g Abatement						
Tarpon Springs					FY2018					
Risk Level:	Туре 3		Multi-Year Yes, Year 1	Contract: of 2						
	-	Description								
Description:	This projed	This project is the design, permitting, and construction of a new stormwater management facility (SMF)								
	located at	ocated at the southeast corner of the intersection of Gulf Road and Tarpon Drive, and installation of								
	associated	stormwater c	ollection system along Pal	m Avenue and Tarpon Driv	e. Due to lack of					
	Stormwate	rmwater intrastructure, the project area has experienced structure and roadway flooding problems.								
Measurable Benefit:	The contra	ictual Measura	able Benefit will be constru	ction of a new SMF and as	sociated					
	stormwate	r collection sy	stems.							
Costs:	Total proje	ct cost: \$499,	958 (design, permitting, an	d construction)						
	City of Tar	pon Springs: \$	5249,979							
	District: \$2	49,979 with \$	49,387 requested in FY201	18 and \$200,592 anticipate	ed in future					
Application Quality:	High	Application in	Evaluation ocluded all of the required in	nformation identified in the	CEL quidelines					
Project Benefit:	High	High The Resource Report of this project will reduce the existing fleeding problem during								
r roject benent.	i ligit	the 25-year. 24-hour storm event. Structure and street flooding current occurs in the								
		project area a	and the project impacts the	City's primary stormwater	collection/treatment					
		systems.								
Cost Effectiveness:	Medium	Medium Costs are based on preliminary design. Engineer's costs estimates appear to be								
		projects								
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 1 on	going project.					
Complementary Efforts:	Medium	Cooperator's	Community Rating System	n class is 7 and is in the 6	to 9 range.					
Project Readiness:	High	Project is rea	dy to start on or before De	cember 1, 2017.						
			Strategic Goals							
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Ma	intenance and Improvem	ent: Develop					
		and impleme	ent programs, projects and	regulations to maintain an	d improve water					
		quality.	tiative - Floodolain Manar	rement : Develop better flo	odnlain					
		information a	and implement floodplain manage	anagement programs to n	naintain storage and					
		conveyance	and to minimize flood dam	age.	Ũ					
		Overa	II Ranking and Recommer	ndation						
Fund as High Priority.	The project	t will provide	flood protection for streets	and structures during the 2	25-year, 24-hour					
	storm eve	iii and provide	Funding	quality of impaired waterb	oay					
Funding Source	P	rior	FY2018	Future	Total					
District	•	\$0	\$49.387	\$200,592	\$249.979					
Tarpon Springs		\$0	\$49.387	\$200,592	\$249,979					
Total		\$0	\$98,774	\$401,184	\$499,958					

Project No. N870	SW IMP - F	IMP - Flood Protection - Colonial Manor Drainage Improvement							
Pasco County					FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
		Yes, Year 1 of 2							
		Description							
Description:	Land acqu	and acquisition, design, permitting, and construction of grass swales and culverts to capture							
	and rerout	reroute stormwater within the intermediate drainage system of the Colonial Manor							
	neighborh	nood. The existing system is inadequate to handle receiving stormwater flows and the							
	redirection	on or nows and expansion of existing curverts will enable the system to recover quicker							
Moasurable Bonofit:	The centr	reducing nood	i elevations.	uction of flood alovations d	luring the 25 year				
Measurable Defiert.	24 hour st	orm event thro	able Benefit will be the fedu	iction of nood elevations of iss swales and culverts to	redirect stormwater				
	flows	onn event thic	agin the construction of gra						
Costs:	Total proje	ect cost: \$2,40	0,000 (Land acquisition, de	sign, permitting, construct	ion)				
	Pasco Co	unty: \$1,200,0	00 (Includes \$100,000 of la	ind acquisition costs as fu	nding match)				
	District: \$7	1,200,000 with	\$134,000 requested in FY2	2018, and \$1,066,000 ant	icipated to be				
	requested	uested in future years.							
	Evaluation								
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines.							
	LUmb	District PM had to work with cooperator to obtain remaining required information.							
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during							
		nie 25 year, 24 nour storm event. Structure and street nooding currently occurs in the							
Cost Effectiveness:	High	Benefit/cost r	atio is greater than or equa	I to 1 Benefits include av	oided damages to				
	. ngn	structures an	d roads.						
Past Performance:	High	Based on an	assessment of the schedul	e and budget for the 12 o	ngoing projects.				
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6	to 9 range.				
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
			Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain				
		information a	and implement floodplain m	anagement programs to n	naintain storage and				
		conveyance	and to minimize flood dama	age.					
		Overal	I Ranking and Recommen	dation					
Fund as High Priority.	This proje	ct will reduce s	structure and street flooding	during the 25 year, 24 ho	our storm event by				
	constructi	ng grass swale	es and culverts to reroute st	tormwater flows within the	Colonial Manor				
	neighborn		Eunding						
Funding Source	P	rior	FY2018	Future	Total				
District			\$134.000	\$1.066.000	\$1,200,000				
Pasco County		\$0	\$134.000	\$1,066.000	\$1,200.000				
Total		\$0	\$268,000	\$2,132,000	\$2,400,000				

Project No. N875	Conservat	ion - St. Peter	sburg Florida	Water Star F	Rebate Pilot Project		
City of St. Petersburg						FY	2018
Risk Level:	Type 1			Multi-Year	Contract: No		
			Descri	ption			
Description:	A pilot pro	gram with fina	ncial incentives	s to home bu	ilders for building homes	to Florida Water	
	Star (FWS) standards ar	nd submitting p	proof of FWS	certification for these hor	nes. FWS homes	
	meet spec	ific water-effic	iency criteria ir	nside the hor	nes in appliances and fixt	ures and outside	
	the homes	in landscape	and irrigation o	design and ir	stallation. This project wi	ll provide a \$700	
	rebate per	home for hom	e builders to a	issist with the	e additional costs associa	ted with building	
	and certify	ing approxima	tely 71 FWS-c	ertified home	es.		
Measurable Benefit:	The contra	actual Measura	able Benefit is	the impleme	ntation of the program an	d the completion of	
	the final re	eport.					
Costs:	Total proje	ect cost: \$49,70	00				
	City of St.	Petersburg: \$2	24,850				
	District: \$24,850						
Application Quality:	High	Application in	cluded all of tr	ne required in	nformation identified in the	e CFI Guidelines.	
Project Benefit:	High	The benefit of this project is an estimated 9,400 gallons per day of water conserved in					
		the Northern	Tampa Bay Wa	ater Use Cau	ution Area (NTBWUCA).		
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.00	0 per thousand gallons sa	ved.	
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget of the 8 one	going projects.	
Complementary Efforts:	Medium	Cooperator p	er capita is be	tween 75 and	d 125.		
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2017.		
		,	Strategio	: Goals			
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation: En	hance efficiencies in all w	ater-use sectors.	
		Tampa Bay	Region Priorit	y: Implemen	t Minimum Flow and Leve	el (MFL) Recovery	
		Strategies.					
		Overal	I Ranking and	Recommen	ndation		
Fund as High Priority.	This proje	ct conserves v	vater supply in	the NTB WU	JCA and is cost effective.		
			Fund	ing			
Funding Source	Р	rior	FY20	18	Future	Total	
District		\$0		\$24,850	\$0	\$24	4,850
City of St. Petersburg		\$0		\$24,850	\$0	\$24	4,850
Total		\$0		\$49,700	\$0	\$49	9,700

Project No. N876	City of Nev	w Port Richey	- Toilet Rebate	– Phase 4						
New Port Richey						FY20				
Risk Level:	Type 1		Ν	Multi-Year	Contract: No					
		Description								
Description:	Financial i	I incentive to residential customers for the replacement of conventional toilets with								
	high-efficie	ency toilets tha	ncy toilets that use 1.28 gallons per flush or less and to commercial customers for							
	the replac	ement of conve	entional toilets w	ith ultra-lov	v flow toilets that use 1.6	gallons per flush or				
	less. This	project will inc	lude rebates and	l program a	administration for the repla	acement of				
	approxima	ately 80 high flo	ow toilets. Also in	ncluded are	e educational materials, p	rogram promotion,				
Maggurahla Danafitu	and surve	ys necessary t	o ensure the suc		e program.					
Measurable Benefit:	completio	actual Measura	ort	be the imple	ementation of the program	n and the				
Costs:	Total proje	ect costs: \$14,9	940							
	City of Ne	w Port Richey:	\$7,470							
	District: \$7	District: \$7,470								
		Evaluation								
Application Quality:	Medium	Application in	cluded most of t	he required	d information identified in	the CFI guidelines.				
		District PM had to work with cooperator to obtain remaining required information.								
Project Benefit:	High	The benefit o	f this project is a	n estimate	d 1,874 gpd of water cons	served in the Northern				
Cost Effectiveness:	High	Project cost e	effectiveness is h		DWUCA).	ved				
Past Performance:	Medium	Based on an	assessment of t	he schedul	e and budget for the 3 on	aoina proiects				
Complementary Efforts:	Medium	Cooperator p	er capita is betw	een 75 and		going projecto.				
Project Readiness:	High	Project is rea	dy to begin on o	r before De	cember 1, 2017.					
	i ligit		Strategic (Goals						
Strategic Goals:	High	Strategic Ini	tiative - Conser	vation: Enl	nance efficiencies in all w	ater-use sectors.				
		Tampa Bay	Region Priority:	Implement	Minimum Flow and Leve	l (MFL) Recovery				
		Strategies.	,	·						
		Overal	II Ranking and F	Recommen	dation					
Fund as High Priority.	This proje	ct conserves p	otable water sup	oply in the I	NTB WUCA and is cost ef	fective.				
			Fundin	Ig						
Funding Source	P	rior	FY2018	67 470	Future	Total				
		\$0 \$7,470 \$0 \$7,470 \$7,470								
		\$0 \$0		\$7,470	\$0 \$0	\$7,4				
Total		\$0		\$14,940	\$0	\$14,94				

Project No. N878	WMP - Pas	IP - Pasco County LiDAR Data Collection								
Pasco County							FY2018			
Risk Level:	Type 4			Multi-Year C	contract: No					
			Descri	ption						
Description:	The project	ct is part of a C	ounty-wide top	ographic info	ormation mapping effo	ort that will include				
	approxima	proximately 780 square miles within the District's boundaries. Existing topographic datasets								
	of the Cou	unty no longer accurately represent land usage changes arising from an increase in								
	population	occurring within the County from 2004 to 2016 which has resulted in significant								
	landscape	modifications,	and substanti	al infrastructu	re improvements of S	State Highways. The				
	County is	proposing to u	pdate topograp	ohic changes	using Light detection	and range (LiDAR)				
	data for th	e entire Count	y. LIDAR uses	an advanced	laser distance-measi	uring device and				
	geographi	c reference sys	stem that auto	mates the cap	oture of surface eleva	tions at a fraction of tr	ie			
	standard r	vious mapping	ographic man	ning	I LECHHOLOGY IS COUSIS					
Measurable Benefit:	The contr	actual Measure	ble Benefit wi	l be the count	ty wide around elevat	ion data and manning				
measurable Denemi.	nroducts i	ising aerial LiF	AR photogram	metric manni	ing systems	ion data and mapping				
Costs:	Total proje	ouucis using aenai LiDAR photogrammetric mapping systems.								
	Pasco Co	Pasco County: \$500.000								
	District: \$500,000 requested in FY2018.									
Evaluation										
Application Quality:	High	ligh Application included all the required information identified in the CFI Guidelines.								
Project Benefit:	High	The benefit of this project is the identification of topographic information that can								
		identify flooding problems that exist in the watershed and solutions. Currently, Light								
		detection and range (LiDAR) data are available and are from 5 to 10 years old. The								
		entire county	will be update	d at the same	time and will aide in	the development of				
	Madium	Cost estimate	uture watershe	d updates.	haaad an available in	formation or are simila				
Cost Enectiveness:	Medium	when compar	red to similar p	roiects.		iornation of are simila	11			
Past Performance:	High	Based on an	assessment of	the schedule	and budget for the 1	2 ongoing projects.				
Complementary Efforts:	Medium	Cooperator's	Community Ra	ating System	class is 6 and is in the	e 6 to 9 range.				
Project Readiness:	High	Project is rea	dy to begin on	or before Dec	cember 1st 2017.					
			Strategio	: Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manage	ement: Develop bette	r floodplain				
		information a	and implement	floodplain ma	nagement programs	to maintain storage ar	าd			
		conveyance	and to minimiz	e flood dama	ge.					
		Overal	I Ranking and	Recommend	dation					
Fund as High Priority.	Project wi	ll provide valua	able data that i	s necessary for	or watershed manage	ement plan updates ar	ıd			
	regulatory	purposes.								
			Fund	ing						
Funding Source	P	rior	FY20	18	Future	Total				
District		\$0		\$500,000		\$U	\$500,000			
Pasco County		\$0		\$500,000		\$0	\$500,000			
Total		\$0		\$1,000,000		\$0 \$	51,000,000			

Hillsborough County FY2018 Risk Level: Type 2 Multi-Year Contract: No Description: This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace. The project is proposed to recover the flood storage system up to the 10 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. FY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision. Measurable Benefit: The contractual Measurable Benefit will be the construction of conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision. Measurable Benefit: The contractual Measurable Benefit will be the construction of conveyance improvements for Ounly: 5700,000 District FMCM had to work with the coperator to obtain remaining required information identified most of the required information identified in the CFI guidelines. District PMCM had to work with the coperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project rate and the project rate of the project class is 5 and is in the 5 or better range. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 ye	Project No. N883	SW IMP - F	lood Protectio	on - Temple Terrac	e Highway Draina	age Improveme	nts			
Risk Level: Type 2 Multi-Year Contract: No Description Description: This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace Highway in the Bind Pond area of the Hillsborough River Watershed in the city of Temple Terrace. The project is proposed to recover the flood storage system up to the 10 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. FY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision. Measurable Benefit: The contractual Measurable Benefit will be the construction of conveyance improvements, in accordance with the final permitted design plans. Costs: Total project cast: \$14,00,000 (Construction) Hillsborough County: \$700,000 District \$700,000 Oxited amost of the required information identified in the CFI guidelines. District \$700,000 requested in FY2018. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project insects the regional or informediate drainage system. Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and traces. Cost Effectiveness: High Cooperator's Community Rating System class is 5 and is in the 5 or better range. </th <th>Hillsborough County</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>FY2018</th>	Hillsborough County						FY2018			
Description Description This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace. The project is proposed to recover the flood storage system up to the 10 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. FY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision. Measurable Benefit: Measurable Benefit: Total project cost: \$14.00.000 (Construction) High The contractual Measurable Benefit will be the construction of conveyance improvements, in accordance with the final permitted design plans. Costs: Total project cost: \$14.00.000 (Construction) High The contractual Measurable Benefit will be the construction of obtain remaining required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently cocurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided dam	Risk Level	Type 2		Mul	ti-Year Contract:	No				
Description: This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace. The project is proposed to recover the flood storage system up to the 10 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. PY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling France. Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision. Measurable Benefit: The contractual Measurable Benefit will be the construction of conveyance improvements, in accordance with the final permitted design plans. Costs: Total project cost: \$1,400.000 (Construction) Hillsborough County; \$700.000 District: S700.000 requested in FY2018. Evaluation Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Project Benefit: High Application included most of the reguined information identified system. Periopect Reference: High Application includes wolded damages to structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Project Benefit: High Cost Effectiveness: High Cost Effectiveness: High Cooperator's Community Rating System class is 5 and is in the 5 or better range.	Description									
Measurable Benefit: accordance with the final permitted design plans. Costs: Total project cost: \$1,400,000 (Construction) Hillsborough County: \$700,000 District: \$700,000 reguested in FY2018. Application Quality: Medium Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and steet flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads. Past Performance: Medium Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Project Scommunity Rating System class is 5 and is in the 5 or better range. Project Readiness: High Strategic Goals Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Under structure Funding Funding Strategic N000 \$0 \$700,000 Fund as High Priority This project will reduce the	Description	This proje station on the city of 10 year, 2 acres. FY2 conveyand Apartment	This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace Highway in the Blind Pond area of the Hillsborough River Watershed in he city of Temple Terrace. The project is proposed to recover the flood storage system up to the 0 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. FY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision.							
accordance with the final permitted design plans. Costs: Total project cost: \$1,400,000 (Construction) Hillsborough County: \$700,000 District: \$700,000 requested in FY2018. Application Quality: Medium Application Quality: Medium Application Quality: Medium Project Benefit: High High Project West The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Project Readiness: High Project Readiness: High Project Readiness: Strategic Coals: Strategic Goals: Strategic Initiative - Floodplain Management: Develop better floodplain information and implement flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Total as High Priority. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Source Prior FV2018 Future	Measurable Benefit:	The contra	actual Measura	able Benefit will be	he construction o	f conveyance im	nprovements, in			
Costs: Total project cost: \$1,400,000 (Construction) Hillsborough County: \$700,000 District: \$700,000 requested in FY2018. Evaluation Application included most of the required information identified in the CFI guidelines. District PWCM had to work with the cooperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Project Readiness: High Project Readiness: High Strategic Goals: Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Sig \$700,000 Strategic Ocols \$700,000 Strategic Notion Sig \$700,000 Strategic Notion \$0		accordance	ce with the fina	I permitted design	lans.					
Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads. Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Cooperator's Community Rating System class is 5 and is in the 5 or better range. Project Readiness: High Strategic Goals Strategic Goals Strategic Goals: Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation Funding Funding Funding Funding Source Prior FY2018 Future Total Strate Strate of Strate	Costs	Total proje	ect cost: \$1,40	0,000 (Construction	ו)					
Evaluation Application Quality: Medium Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads. Past Performance: Medium Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Cooperator's Community Rating System class is 5 and is in the 5 or better range. Project Readiness: High Strategic Goals Strategic Goals Strategic Goals: Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation Funding Funding Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 <		District: \$	700 000 reque	00,000 sted in FY2018						
Application Quality: Medium Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Project Benefit: High The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system. Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads. Past Performance: Medium Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Cooperator's Community Rating System class is 5 and is in the 5 or better range. Project Readiness: High Strategic Goals Strategic Goals Strategic Goals: Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Fund as High Priority. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0		District. ψ	100,000 10400	Evaluation						
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Cost Effectiveness: High Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads. Past Performance: Medium Based on an assessment of the schedule and budget for the 10 ongoing projects. Complementary Efforts: High Cooperator's Community Rating System class is 5 and is in the 5 or better range. Project Readiness: High Project is ready to begin on or before December 1st of the fiscal year the funding is being requested. Strategic Goals: Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation Verall Ranking and Recommendation Fund as High Priority. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Source Prior FV2018 Future Total District \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$0	Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.							
Past Performance:MediumBased on an assessment of the schedule and budget for the 10 ongoing projects.Complementary Efforts:HighCooperator's Community Rating System class is 5 and is in the 5 or better range.Project Readiness:HighProject is ready to begin on or before December 1st of the fiscal year the funding is being requested.Strategic Goals:MediumStrategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.Fund as High Priority.This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route.Funding SourcePriorFY2018FutureTotalDistrict\$0\$700,000\$0\$700,000\$0\$700,000Hillsborough County\$0\$700,000\$0\$700,000\$0\$700,000Killsborough County\$0\$1400,000\$0\$1400,000\$0\$1400,000	Cost Effectiveness	High	Benefit/Cost ratio is great than or equal to 1. Benefits include avoided damages to structures and roads.							
Complementary Efforts:HighCooperator's Community Rating System class is 5 and is in the 5 or better range.Project Readiness:HighProject is ready to begin on or before December 1st of the fiscal year the funding is being requested.Strategic Goals:MediumStrategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.Verall Ranking and RecommendationThis project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route.Funding SourcePriorFY2018FutureTotalDistrict\$0\$700,000\$0\$700,000Hillsborough County\$0\$700,000\$0\$700,000Killsborough County\$0\$700,000\$0\$700,000Total\$0\$700,000\$0\$700,000	Past Performance:	Medium	Based on an	assessment of the	schedule and bud	lget for the 10 or	ngoing projects.			
Project Readiness:HighProject is ready to begin on or before December 1st of the fiscal year the funding is being requested.Strategic GoalsStrategic Goals:MediumStrategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.Overall Ranking and RecommendationFund as High Priority.This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route.FundingFunding SourcePriorFY2018FutureTotalDistrict\$0\$700,000\$0\$700,000Hillsborough County\$0\$700,000\$0\$700,000Total\$0\$700,000\$0\$700,000Sol\$1 400,000\$0\$740,000	Complementary Efforts:	High	Cooperator's	Community Rating	System class is 5	5 and is in the 5 o	or better range.			
Strategic Goals Strategic Goals: Strategic Goals: Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation Fund as High Priority. Fund as High Priority. Funding Cource Mil reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$1,400,000	Project Readiness	High	Project is rea	dy to begin on or b	efore December 1	st of the fiscal ye	ear the funding is			
Strategic Goals Strategic Goals: Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Overall Ranking and Recommendation Overall Ranking and Recommendation Fund as High Priority. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 \$700,000 \$0 \$700,000 \$1400,000 <td< th=""><th></th><th></th><th>being reques</th><th>ted.</th><th></th><th></th><th></th></td<>			being reques	ted.						
Overall Ranking and Recommendation Fund as High Priority. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 \$700,000 Hillsborough County \$0 \$\$1,400,000 \$\$1,400,000	Strategic Goals:	Medium	Strategic Goals Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.							
Fund as high Phonty. This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route. Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 \$700,000 Hillsborough County \$0 \$700,000 \$0 \$1400,000	Fund on Lligh Drinrity	TI: :	Overal	I Ranking and Rec	ommendation	40 041	1 1			
Funding Funding Funding Source Prior FY2018 Future Total District \$0 \$700,000 \$0 \$700,000 Hillsborough County \$0 \$700,000 \$0 \$700,000 Total \$0 \$1400,000 \$0 \$1400,000	Fund as High Phonty.	Temple Te	ct will reduce t errace Highway	ne existing flooding / is a main evacuati	problem up to the on route.	e 10 year, 24-ho	pur storm event.			
Putting source Prior Prizoro Puttre Total District \$0 \$700,000 \$0 \$700,000 Hillsborough County \$0 \$700,000 \$0 \$700,000 Total \$0 \$1400,000 \$0 \$1400,000	Funding Source		rior	Funding		Luturo	Total			
Hillsborough County \$0 \$700,000 \$0 \$700,000 Total \$0 \$1400,000 \$0 \$1400,000	District	P	101 ¢∩	¢12010		¢∩	\$700.000			
Total \$0 \$1 400 000 \$0 \$1 400 000	Hillsborough County		ው በቃ	ې د ۲	20,000	لې مې	\$700,000			
	Total		پر \$0	\$1.4 \$1.4	00,000	\$0 \$0	\$1,400.000			

Project No. N890	Conservat	ion - St. Peters	sburg Reside	ntial Clothes	Washer Rebate Pilot Pre	oject			
City of St. Petersburg						FY2018			
Risk Level:	Type 1			Multi-Year	Contract: No				
	Description								
Description:	A pilot pro	gram with fina	ncial incentive	s to residentia	al customers for the repla	cement of high flow			
	clothes wa	nes washer with an EPA Energy Star certified high efficiency model. The EPA Energy Star							
	program n	ow includes a	v includes a maximum standard for water use for clothes washers. This project will						
	include rel	bates and prog	iram administr	ation for the r	replacement of approximation of approximation of approximation of approximation of a sector of the s	ately 100 high flow			
	clotnes wa	ashers up to \$1	25 per rebate	. Also include	ed are educational materia	ais, program			
Measurable Benefit:	The contr	, and surveys i	ble Renefit wi	ill be the impli	ementation of the program.	n and the			
	completio	n of a final repo	ort.						
Costs:	Total proje	ct costs: \$24,7	700						
	City of St.	Petersburg: \$	12,350						
	District: \$	12,350							
			Evalu	ation					
Application Quality:	High	Application in	cluded all of the	he required in	formation identified in the	e CFI Guidelines.			
Project Benefit:	High	The benefit of this project is the conservation of approximately 1,500 gallons per day in							
Cost Effectiveness:	Medium	LITE IN I D WUCA. Project cost affectiveness is between \$3.01 and \$6.00 per thousand gallops saved							
Dast Parformance:	High	Based on an	assessment o	f the schedul	e and budget for the 8 on	aoina projects			
Complementary Efforts:	Medium	Cooperator c	ompliance per	capita is bet	ween 75 and 125 gcpd.	going projects.			
Project Readiness:	High	Proiect is rea	dv to begin on	or before De	ecember 1. 2017.				
.,		.,	Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enh	nance efficiencies in all w	ater-use sectors.			
		Tampa Bay	Region Priori	ty: Implement	Minimum Flow and Leve	l (MFL) Recoverv			
		Strategies.		,					
		Overal	I Ranking and	d Recommen	dation				
Fund as High Priority.	This proje	ct conserves p	otable water s	supply in the I	NTB WUCA and is a uniq	ue pilot project in			
	this area.	The City has b	een involved i	in water cons	ervation efforts for many	years and their			
	nistorical	conservation e	πorts have be	en successful	l. 				
Eunding Source	D	rior	Func EV20	48 48	Euturo	Total			
District		101 ¢۵	1120	\$12 350	Future ¢∩	101ai \$12.350			
City of St. Petersburg		φυ \$0		\$12,350	\$0	\$12,350			
Total		\$0 \$0		\$24,700	\$0 \$0	\$24,700			
Project No. N901	SW IMP - Flood Protection - Port Richey Alternative Outfall								
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Pasco County					FY2018				
Risk Level:	Туре 3		Multi-Yea	r Contract: No					
	-		Description						
Description:	This project for the Port through a under 19 t a channel.	In sproject is for conceptual design, 30% design and third party review of an alternative outfall for the Port Richey Slough system. Currently, stormwater flows from the Magnolia Valley area through a slough system which eventually discharges north under Ridge Road and then west under 19 to the Gulf of Mexico. Flooding is experienced as the wetland slough area narrows into a channel. This project will provide an alternative outfall that connects the slough system to an evidting outful to the Culf just eact the f Pidge Road. District funding is for 20% design and third							
	party revie funding re provide the permitting	party review as this project has complex design and land acquisition elements. The FY2018 unding request is to complete conceptual design, 30% design and third party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.							
Measurable Benefit:	The contra design, an Port Riche	actual Measura nd third party re ay Slough.	able Benefit will be the co eview of this proposed pro	mpletion of the conceptual oject to construct an alterna	design, 30% tive outfall for the				
Costs:	Total proje Pasco Cor District: \$2 The conce total of \$2	Total project cost: \$450,000 (Conceptual design, 30% design, third party review) Pasco County: \$225,000 District: \$225,000 The conceptual estimate to complete design, land acquisition, permitting, and construction is a total of \$2,800,000 (\$1,400,000 District share). It is anticipated that the County will request							
	fulluling to	complete des	Evaluation	ruction in future years.					
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.							
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage							
Cost Effectiveness:	High	Benefit/cost r structures an	atio is greater than or equ d roads.	ual to 1. Benefits include av	oided damages to				
Past Performance:	High	Based on an	assessment of the sched	ule and budget for the 12 o	ngoing projects.				
Complementary Efforts:	Medium	Cooperator's	Community Rating Syste	m class is 6 and is in the 6	to 9 range.				
Project Readiness:	High	Project is rea	dy to begin on or before I	December 1, 2017.					
			Strategic Goals						
Strategic Goals:	Medium	Strategic Ini information a conveyance	tiative - Floodplain Man and implement floodplain and to minimize flood da	agement: Develop better flo management programs to r mage.	podplain maintain storage and				
		Overa	I Ranking and Recomm	endation					
Fund as High Priority.	The County is requesting funds to complete the conceptual design, 30% design, and third party review only. The results of the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing an alternative outfall for the Port Richey slough system and is cost effective.								
	_		Funding						
Funding Source	<u>Р</u>	rior	FY2018	Future	Total				
Pasco County		\$U ¢∩	⇒∠∠⊃,UL ¢??5.00	יטן \$U וח פח	\$225,000 \$225,000				
Total		30 \$0	\$450,00	0 \$0	\$450,000				

Project No. N904	WMP - City	WMP - City of St. Petersburg Watershed Management Plan							
City of St. Petersburg					FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
			Yes, Year 1	of 3					
		Description							
Description:	Watershee	Watershed Management Plan (WMP) for the City of St. Petersburg in Pinellas County, through							
	and includ	ling floodplain	analysis, Level of Service of	letermination (LOS), Surfa	ace Water Resource				
	Assessme	sment (SWRA), and Best Management Practices (BMPs) alternative analysis. The City of							
	St. Peters	burg last comp	leted a citywide stormwate	r master plan in 1994. FY	2018 funding will				
	be used to	o start the Wate	ershed Evaluation.						
Measurable Benefit:	The contra	actual Measura	able Benefit will be the com	pletion of a watershed mo	odel and floodplain				
	analysis ir	ncluding inform	ation that is critical to bette	er identify risk of flood dam	nage, opportunities				
	to improve	e water quality	and cost effective alternat	ives.					
Costs:	Iotal proje	ect cost: \$1,80	0,000						
	City of St.	Petersburg: \$	900,000 250 requested in EV2018 (and CC10 750 anticipated	in future veere				
	District. 5	900,000, \$261,	Evaluation	and \$616,750 anticipated	in luture years.				
Application Quality	Modium		Evaluation voluded most of the require	d information identified in	the CEL quidelines				
Application Quality.	Medium	District PM b	ad to work with Cooperator	to obtain remaining requi	red information				
Project Benefit	Hiah	The WMP wil	l analyze flooding problem:	s that exist in the watershe	ed Currently flood				
i roject Benefit.		analysis mod	els are not available or are	over 10 years old, and th	e watershed includes				
		regional or in	termediate stormwater svs	tems.					
Cost Effectiveness:	High	Project cost per square mile is in the low-range of historic costs (less than \$30,000/sq							
	Ū	mi) for WMPs completed in urban watersheds.							
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 8 on	going projects.				
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range.				
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
			Strategic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Mai	intenance and Improvem	ent: Develop				
	-	and impleme	ent programs, projects and	regulations to maintain an	d improve water				
		quality.							
		Strategic Ini	tiative - Floodplain Manag	gement: Develop better flo	odplain				
		information a	and implement floodplain m	anagement programs to r	naintain storage and				
		conveyance	and to minimize flood dam	age.					
		Tampa Bay	Region Priority: Improve L	ake Thonotosassa, Tamp	a Bay, Lake Tarpon				
		and Lake Se	minole.						
Fund as High Priority	This projo	Overal	od risk in an area with no c	lotation	available. The				
i unu as riigh i nonty.	resulting r	oroduct will be	utilized for flood insurance	determination help imple	ment solutions that				
	alleviate f	lood risk and ir	norove water quality and e	enhance the planning of fu	ture development in				
	the project	t area.	nproto nator quality, and c						
	, .j.		Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$0	\$281,250	\$618,750	\$900,000				
City of St. Petersburg		\$0	\$281,250	\$618,750	\$900.000				
Total		\$0	\$562,500	\$1,237,500	\$1,800,000				

Project No. N909	Conservat	ion - St. Peters	sburg Sensible	Sprinkling	Program, Phase 8			
City of St. Petersburg						FY2018		
Risk Level:	Туре 1		N	/lulti-Year	Contract: No			
			Descript	ion				
Description:	This proje	ct will make av	ailable approxim	ately 300 i	rrigation evaluations to si	ngle family,		
	multi-famil	ly and commer	cial customers.	This will inc	clude program administrat	tion and evaluations		
	with recon	nmendations fo	or optimizing the	use of wat	er outdoors through Florid	da-Friendly		
	Landscapi	ing TM practice	es and other effic	cient irrigati	ion best management pra	ctices.		
	Approxima	ately 300 rain s	sensor devices w	ill be provi	ded and installed for proje	ect participants who		
	do not hav	e a functioning	g device. Also ind	cluded are	the educational materials	, program		
	promotion	, follow-up eva	luations and sur	veys neces	sary to ensure the succe	ss of the program.		
Measurable Benefit:	The contra	actual Measura	able Benefit will b	be the cont	inuation of the program a	nd a final report.		
Costs:	Total proje	ect cost: \$100,0	000					
	City of St.	Petersburg: \$	50,000					
	District: \$8	50,000						
		Evaluation						
Application Quality:	High	Application in	cluded all the re-	quired info	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	The benefit of this project is an estimated 56,000 gallons per day of water conserved in						
		the NTB WU	CA.					
Cost Effectiveness:	High	Project cost e	effectiveness is b	elow \$3.00) per thousand gallons sa	ved.		
Past Performance:	High	Based on an	assessment of the	he schedul	e and budget for the 8 on	going projects.		
Complementary Efforts:	Medium	Cooperator p	er capita is betw	een 75 and	d 125.			
Project Readiness:	High	Project is rea	dy to begin on o	r before De	ecember 1, 2017.			
			Strategic C	Goals				
Strategic Goals:	High	Strategic Ini	tiative - Conserv	vation: Enh	nance efficiencies in all w	ater-use sectors.		
		Tampa Bay	Region Priority:	Implement	t Minimum Flow and Leve	el (MFL) Recovery		
		Strategies.	U	•				
		Overal	I Ranking and R	Recommen	dation			
Fund as High Priority.	This proje	ct conserves v	vater supply in th	e NTB WU	ICA and is cost effective.			
			Fundin	g				
Funding Source	Р	rior	FY2018		Future	Total		
District		\$0		\$50,000	\$0	\$50,000		
City of St. Petersburg		\$0		\$50,000	\$0	\$50,000		
Total		\$0		\$100,000	\$0	\$100,000		

Project No. N913	SW IMP - F	Flood Protection - Ironbark Flood Abatement							
Pasco County	1				FY2018				
Risk Level	Туре 3		Multi-Year Yes, Year 1	Contract: of 2					
			Description						
Description	Land acquestorage bar following r within the street floo	uisition, design asin for flood a najor storm ev 111 acre close ding.	, permitting, and construction batement as well as an em ents in the Gulf Highlands in d basin will relieve flooding	on of interconnected wet p ergency outfall connectior neighborhood. Constructio i impacts to residential pro	oond areas to a dry n for recovery on of the BMPs operties and reduce				
Measurable Benefit:	The contra hour storn areas.	e contractual Measurable Benefit will be the reduction of flood elevations for the 100 year, 24 ur storm event floodplain through the construction of conveyance to connect wet and dry pond eas							
Costs	Total proje Pasco Co District: \$2 requested	Total project cost: \$4,110,000 (Land acquisition, design, permitting, construction) Pasco County: \$2,055,000 (Includes \$238,000 of land acquisition costs as funding match) District: \$2,055,000 with \$75,000 requested in FY2018, and \$1,980,000 anticipated to be requested in future years.							
Application Quality	Medium	M Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information							
Project Benefit	: High	The Resource Benefit of this project 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 intermediate drainage system							
Cost Effectiveness	: High	Benefit/cost r structures an	atio is greater than or equa d roads.	I to 1. Benefits include av	oided damages to				
Past Performance	High	Based on an	assessment of the schedul	e and budget for the 12 or	ngoing projects.				
Complementary Efforts	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6	to 9 range.				
Project Readiness	: High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
			Strategic Goals						
Strategic Goals	: Medium	ledium Strategic Initiative - Floodplain Management : Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.							
	_	Overa	II Ranking and Recommer	ndation					
Fund as High Priority.	This proje constructi	ct will reduce s ng conveyance	structure and street flooding e additions in the Gulf High	g during the 100 year, 24 h lands neighborhood and is	nour storm event by s cost effective .				
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
		\$0	\$75,000	\$1,980,000	\$2,055,000				
		\$0 \$0	\$75,000 \$150,000	\$1,980,000 \$3,960,000	\$2,055,000 \$4 110 000				

Project No. N923	WMP - Tarp	VMP - Tarpon Springs Watershed Evaluation								
Tarpon Springs						FY2018				
Risk Level:	Туре 3			Multi-Year C	ontract: No					
		Description								
Description:	This project stormwate canal, culv inventory v bank elevat of the projet implement	This project is to initiate a City-wide watershed evaluation through development of a detailed GIS stormwater inventory. This centralized mapping system will consist of feature classes such as canal, culverts, ditches, ponds, pipes, inlets, manhole, outfalls, and structures. In addition, the inventory will also include important attributes to be collected such as type, condition, top of bank elevation, top width upstream, bottom width, invert, size, slope, and material. End product of the project will allow system wide viewing of the City's stormwater network and support the implementation of a future Watershed Management Plan (WMP).								
Measurable Benefit:	The contra	ctual Measura	able Benefit wil	l be developm	nent of a City-wide GIS stormw	vater inventory.				
Costs:	Total proje City of Tar District: \$1	ct cost: \$200,0 pon Springs: \$ 00,000 reques	000 6100,000 sted in FY2018							
		• • • • •	Evalua	ition						
Application Quality:	High	Application in	cluded all of th	e required inf	ormation identified in the CFI	guidelines.				
Project Benefit:	High	The benefit of a critical com	f this project is ponent of a wa	the developm tershed evalu	nent of a City-wide GIS stormw nation and the foundation of a f	vater inventory, future WMP.				
Cost Effectiveness:	Medium	Project cost p urbanized wa	er square mile tershed.	is comparabl	e to similar effort completed in	n highly				
Past Performance:	High	Based on an	assessment of	the schedule	and budget for the 1 ongoing	project.				
Complementary Efforts:	Medium	Cooperator's	Community Ra	ating System	class is 7 and is in the 6 to 9 ra	ange.				
Project Readiness:	High	Project is rea	dy to start on o	r before Dece	ember 1, 2017.					
			Strategic	Goals						
Strategic Goals:	High	ighStrategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.								
		Overal	I Ranking and	Recommend	lation					
Fund as High Priority.	This project will initiate a City-wide watershed evaluation through development of a detailed GIS stormwater inventory which would support implementation of a future WMP to develop better floodplain information, evaluate water quality issues, and identify specific Best Management Practices to address flooding and water quality issues within the watersheds.									
Funding Source	Pi	rior	FY201	18	Future	Total				
District		 \$0	1120	\$100.000	\$0	\$100.000				
Tarpon Springs		\$0		\$100.000	\$0	\$100.000				
Total		\$0		\$200,000	\$0	\$200,000				

Project No. N924	WMP - Lak	e Tarpon Wat	ershed Manageme	ent Plan				
Pinellas County						FY2018		
Risk Level:	Туре 3		Mu	Iti-Year C	ontract:			
			Yes	s, Year 1 d	of 2			
			Descriptio	n				
Description:	Complete	a Watershed I	Management Plan	(WMP) fo	r the Lake Tarpon waters	hed in Pinellas		
	County, th	rough and inc	luding floodplain ar	nalysis, Le	evel of Service determina	tion (LOS), and		
	Best Mana	agement Pract	ices (BMPs) altern	ative anal	ysis. FY2018 funding wil	l be used to		
Maaaurahia Darafitu	complete t	he Watershed	Evaluation and be	gin the FI	oodplain Analysis.	10 11:		
measurable benefit:		actual Measura	able Benefit will be	to develo ridoptify r	ip a watershed model and	a fioodpiain		
	alternative				isk of flood damage, and			
Costs:	Total proje	ect cost: \$400,	000					
	Pinellas C	ounty: \$200,0	00					
	District: \$2	200,000; \$50,0	000 requested in F	′ 2018, an	d \$150,000 anticipated to	o be		
	requested	in future year	S.					
			Evaluatior	1				
Application Quality:	Medium	Application in	Included most of the	required	information identified in t	the CFI guidelines.		
Project Benefit:	High	The WMP wi	ll analyze flooding i	nrohlems	that exist in the watershe			
Project Denent.	riigii	analysis models are not available or are over 10 years old, and the watershed includes						
		regional or intermediate stormwater systems.						
Cost Effectiveness:	High	Watershed Management Plans – cost/sq. mile of watershed Urban - \$30,000 or						
		less/sq.mi.						
Past Performance:	Medium	Medium Based on an assessment of the schedule and budget for the 4 ongoing project.						
Complementary Efforts:	High	igh Pinellas County has a CRS score of 5						
Project Readiness:	High	Project is rea	dy to begin on or b	efore Dec	cember 1st of the fiscal y	ear the funding is		
		being reques	ted.	ale				
Stratogic Goals	High	Strategia Ini	Strategic Go	n Monogo	ment: Dovelop better fle	odplain		
Strategic Goals.	пуп	information a	and implement floo	dolain ma	inagement programs to n	naintain storage and		
		conveyance	and to minimize flo	od dama	ge.	naman otorago ana		
		Strategic Ini	itiative - Emergend	cy Flood l	Response: Operate Dist	rict flood control		
		and water co	onservation structu	res, provi	ding effective and efficier	nt assistance to state		
		and local go	vernments and the	public to	minimize flood damage of	during and after		
		major storm	events.		ka Thanatasasaa Tama	- Devideka Taman		
		and Lake Se	minole	nprove La	ke monotosassa, ramp	a Bay, Lake Tarpon		
		Overa	II Ranking and Re	commend	lation			
Fund as High Priority.	This proje	ct identifies flo	od risk in an area	with no de	tailed study information	available. The		
	resulting p	product will be	utilized for flood in	surance d	letermination, help imple	ment solutions that		
	alleviate fl	ood risk and ir	mprove water quali	ty, and en	hance the planning of fu	ture development in		
	the projec	t area.	F					
Eurodin v Oouroo	-	uie u	Funding		Enterna	Tett		
Pipellas County	<u>Р</u>	ר וטר פה		\$50,000		10101 (000 000		
		ው ጉ		\$50,000	\$150,000 \$150,000	¢200,000		
		پر ۵۳	\$		\$300,000	\$400,000		

Project No. N943	Restoration - Central Pasco Recharge Wetlands Facility Optimization									
Pasco County							FY2018			
Risk Level:	Туре 2			Multi-Year	Contract:					
	Yes, Year 1 of 3									
		Description								
Description:	The project will evaluate the performance of a constructed wetlands recharge facility (the Central									
	Pasco County E	asco County Beneficial Water Reuse Project) and develop guidelines for control of the wetland								
	cells in order to	ells in order to optimize reclaimed water use, groundwater recharge, and wetland environmental								
	project N666 T	gri anu u na facility	is currently u	nder constru	as co-iunded by the Distri					
	during the sumr	her of 20	17. As part of	this project.	operational parameters rel	ated to water level				
	management wi	ll be ass	essed based o	on cell by cell	impacts to local groundw	ater levels, loading				
	requirements se	t forth in	the N666 Agr	eement, and	by plant establishment.					
Measurable Benefit:	The contractual	Measura	able Benefit wi	ill be the colle	ection and evaluation of op	perational data and				
	the completion	of a tech	nical report on	optimization	of recharge in a construct	ted wetlands				
	recharge facility									
Costs:	Pasco County:	ST: \$280,	000.							
	District \$140.00	0 with 9	, 60.000 reque	sted for FY20	18 and \$80 000 anticinal	ted to be				
	requested in fut	ure year	S.							
	·	, i i i i i i i i i i i i i i i i i i i	Evalu	ation						
Application Quality:	Medium Appl	Medium Application included most of the required information identified in the CFI guidelines.								
	Distr	District PM/CM had to work with cooperator to obtain remaining required information.								
Project Benefit:	High The	High The benefit of this project is the optimization of recharge in a constructed wetlands								
Cost Effectiveness	High Costs are comparable to similar projects performed or funded by the District									
Past Performance:	High Base	ed on an	assessment o	f the schedul	e and budget of 12 ongoin	na projects.				
Complementary Efforts:	High Cou	ntv's recl	aimed water s	vstem includ	es metering and incentive	based reuse rate				
	struc	tures for	high volume	water users a	nd has proactive reclaime	d water expansion				
	polic	ies whic	h maximize uti	lization, wate	r resource benefits, and e	nvironmental				
	bene	fits.		- (D	1 0017					
Project Readiness:	High Proje	ect is rea	dy to begin on	or before De	ecember 1, 2017.					
Stratogic Goales		togio Ini	Strategr	c Goals	Maximiza banafiaial uga	of rooloimod				
otrategic obais.	wate	er to offs	et potable wat	er supplies a	nd restore water levels an	d natural systems.				
	Stra	tegic In	tiative - Minin	num Flows a	nd Levels Establishment	and Recovery:				
	То р	revent s	ignificant harm	n and reestab	lish the natural ecosystem	n, determine MFL's				
	and	where I	necessary, dev	elop and imp	element recovery plans.					
	Tam	ipa Bay	Region Priori	ty: Implemen	t Minimum Flow and Leve	I (MFL) Recovery				
	Stra	tegies.	I Panking and	Bocommon	dation					
Fund as High Priority	This project will	provide	information or	individual w	etland cell recharge rates	and optimal plantin	a			
	schemes, which	will max	kimize the rech	narge rates a	nd treatment of the facility	, as well as	5			
	provide useful i	nformatio	on to assist wit	h the design	of future similar facilities.					
			Fund	ding						
Funding Source	Prior		FY20	18	Future	Total				
Pasco County		\$0		\$60,000	\$80,000		\$140,000			
District		\$0		\$60,000	\$80,000		\$140,000			
Total	1	\$0		\$120,000	\$160,000		\$280,000			

Project No. W024	FY2018 Ta	FY2018 Tampa Bay Environmental Restoration Fund							
ТВЕР						FY2018			
Risk Level:	Type 1		Multi-Year	Contract: No					
		Description							
Description:	The Tamp research a manages Restore A	The Tampa Bay Environmental Restoration Fund (TBERF) was established to fund restoration, research and education initiatives in Tampa Bay. The Tampa Bay Estuary Program (TBEP) manages the fund and secures local funding to leverage with funds obtained nationally by the Restore America's Estuaries (RAE) through environmental fines and philanthropic gifts.							
Measurable Benefit:	The proje	t will fund nun	nerous water quality improv	vement and habitat restor	ation projects				
Casta	throughou Total proje	t the Tampa B	ay watershed.						
Costs:		50 000	JUU						
	District: \$	350.000 reque	sted in FY2018 (District sh	are includes a 10% admi	nistrative fee for				
	each gran	t managed by	the TBEP.						
	Ŭ	, j	Evaluation						
Application Quality:	High	Application in	cluded all the required info	ormation identified in the (CFI guidelines.				
Project Benefit:	High	gh Water quality improvement and habitat restoration in Tampa Bay, a SWIM Priority Water Body.							
Cost Effectiveness:	High	High District funds will be leveraged with other local, federal, private, and penalty funds.							
Past Performance:	High	Based on an	assessment of the schedu	le and budget for the 3 or	ngoing projects.				
Complementary Efforts:	High	igh TBEP developed a model fertilizer ordinance that was used by the Cities of St. Petersburg and Tampa, Manatee County and Pinellas County. TBEP also implemented education campaigns for the fertilizer ordinances and for dog waste							
Project Readiness:	High	Project is rea	dy to begin on or before D	ecember 1, 2017.					
	J		Strategic Goals						
Strategic Goals:	High	Strategic Ini and impleme quality. Tampa Bay and Lake Se	tiative - Water Quality Ma ent programs, projects and Region Priority: Improve L minole.	intenance and Improven regulations to maintain a .ake Thonotosassa, Tamp	nent: Develop nd improve water ba Bay, Lake Tarpo	n			
		Overa	I Ranking and Recommen	ndation					
Fund as High Priority.	Due to the leveraging of local, federal, private, and penalty funds, this project is a very cost effective means to implement water quality and habitat restoration projects for Tampa Bay, a SWIM priority water body. The District has provided funding for the TBERF since FY2013. For FY2013 - FY2016 the TBERF funded 34 projects at a total grant amount of \$2.5 million (six District projects were funded at a grant amount of \$796,170).								
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
IBEP District		\$0	\$350,000	\$0		\$350,000			
District		\$0	\$350,000	\$(\$350,000			
Total		\$0	\$700,000	\$0	/	Φ/00,000			

Project No. W210	SW IMP - Water Quality - St. Petersburg Pier Park								
City of St. Petersburg						FY2018			
Risk Level	Type 2			Multi-Year	Contract: No				
	_	Description							
Description	Construct	ion of stormwa	ter improveme	nt LID BMPs	for currently untreated p	aved areas at the			
	Pier appro	bach in the City	of St. Peterst	ourg and the	reduction of pollutant load	ds to Tampa Bay, a			
	SWIM pric	prity waterbody							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of LID BMPs to t	reat stormwater			
		n a 9 acre urba	anized watersr	ied. There wi	ill be no monitoring or per	formance testing			
Costs	Total proje	ect cost: \$150.0	000 (Construct	ion)					
	City of St.	Petersburg: \$	75,000						
	District: \$	75,000 request	ted in FY2018.						
		1	Evalua	ation					
Application Quality	Medium	Application in	cluded most o	f the require	d information identified in	the CFI guidelines.			
Droiget Depetit	High	District PM/CM had to work with cooperator to obtain remaining required information.							
Project Benefit	. rugu	Tampa Bay by an estimated 42 lbs/year of TN							
Cost Effectiveness	High	The estimated cost/lb of TN removed is below the historical average cost of \$646/lb							
	Ū	and the per acre treated is below the historical average cost of \$46,947 for coastal/LID							
		water quality projects.							
Past Performance	High	Based on an	assessment o	f the schedul	e and budget for the 8 or	going projects.			
Complementary Efforts	High	The City has	an active storr	nwater utility	that collects fees.				
Project Readiness	Medium	The project is	s ready to begi	n on or befor	re March 1, 2018.				
			Strategio	: Goals					
Strategic Goals	High	Strategic Ini	tiative - Water	Quality Mai	Intenance and Improvem	ient: Develop			
		and impleme	ent programs, p	brojects and	regulations to maintain ar	id improve water			
		Tampa Bay	Region Priorit	v. Improve I	ake Thonotosassa Tamr	a Bay I ake Tarpon			
		and Lake Se	minole.	J p. e . e _					
		Overa	ll Ranking and	l Recommen	ndation				
Fund as High Priority.	The proje	ct will reduce s	tormwater imp	acts to Tamp	oa Bay, a SWIM priority w	aterbody through a			
	reduction	in sediment ar	nd nutrient load	ling.					
			Func	ling	= /	-			
Funding Source	P	rior •••	F Y 20	\$75.000	Future				
City of St. Detoreburg		<u>\$</u> 0 دم		\$75,000 \$75,000	 مر	\$75,000			
Total		\$0 \$0		\$150.000	\$0	\$150.000			

Project No. W303	Restoratio	storation - Boyd Hill Nature Preserve								
City of St. Petersburg						FY2018				
Risk Level:	Type 4			Multi-Year	Contract: No					
		Description								
Description:	Design, pe	ermitting, and o	construction of	freshwater v	vetlands and coastal upla	ands within the Boyd				
	Hill Nature	e Preserve in F	inellas County	, Florida whi	ch is in the Tampa Bay w	atershed. The				
	District wil	I be the lead o	n this project a	nd will procu	ire the consultant and con	ntractor.				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ll be the crea	tion, restoration, and enh	nancement				
	approxima	ately 30 acres	of freshwater a	ind upland ha	abitats in the Tampa Bay	watershed.				
Costs:	lotal proje	ect cost: \$900,	000 (Design, p	ermitting and	construction)					
	District: \$	Petersburg: \$	450,000 stad in EV2018	2						
		+30,000 Teque	Fyalua	ation						
Application Quality:	Hiah	Application in	cluded all the	required info	rmation identified in the (CFI quidelines.				
Project Benefit	High	The Resourc	e Benefit will b	e the creatio	n restoration and enhan	cement of 30 acres of				
		freshwater w	etland and coa	stal upland h	abitats within the Tampa	Bay watershed . a				
		SWIM priority	waterbody.			- ,				
Cost Effectiveness:	High	High The estimated cost/acre is below the historical average cost of \$53,326/acre.								
Past Performance:	High	High Based on an assessment of the schedule and budget for the 8 ongoing projects.								
Complementary Efforts:	High	h City of St. Petersburg has an active stormwater utility that collects fees, an								
		environmenta	ally sensitive la	nds purchas	e program, exotic remova	al/treatment programs,				
		an adopt a po	ong/highway pi	rogram, and	have an active land man	agement presence				
Duck of Decilians		permanently	on-site.	an hafana Da						
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018.					
			Strategic	: Goals						
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation and	Restoration: Identify cri	tical				
		restoration	any sensitive e	cosystems a	ind implement plans for p	orotection or				
		Tampa Bay	Region Priorit	v [.] Improve I	ake Thonotosassa, Tamr	na Bay, Lake Tarnon				
		and Lake Se	minole.	J. Improvo E		bu buy, Euko Turpon				
		Overa	I Ranking and	Recommen	dation					
Fund as High Priority.	The proje	ct is cost effect	tive and will inc	crease natura	al systems within the Tarr	npa Bay watershed ,				
	a SWIM p	riority waterbo	dy. The Distric	t will be the I	ead on this project and w	vill procure the				
	consultan	t and contracto	or.							
			Fund	ing						
Funding Source	P	rior	FY20	18	Future	Total				
District		\$0		\$450,000	\$0	\$450,000				
City of St. Petersburg		\$0		\$450,000	\$0	×450,000				
Total	1	\$0		\$900,000	\$0	עטט,000 גע				

Project No. W305	SW IMP - V	Nater Quality	Roosevelt S	tormwater R	etrofit Project				
Pinellas County							FY2018		
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, 1 of 2					
			Descr	iption					
Description:	Design, pe	Design, permitting and construction stormwater treatment BMPs in the Roosevelt Basin, in							
	Pinellas C	ounty, which c	Irains to Old T	ampa Bay, a	SWIM Priority Waterbody	. The retrofit			
	proposes	to increase the	watershed to	Include an ai	rea not currently receiving	stormwater			
Moasurable Bonofit:		and improve n	ntrogen remov	al in the exist	ing pond. tion of stormwater retrofit	PMDe te treat			
MedSurable Defiert.		actual Measura	able Benefit w	atorshod Th	ction of stormwater retront	BIMPS to treat			
	testing rec	alery 21 acres o puirements		alersneu. m					
Costs:	Total proje	ect cost: \$701,	020 (Design, p	permitting and	l construction)				
	Pinellas C	ounty: \$350,5	10	Ū.					
	District: \$3	350,510, \$50,0	00 requested	in FY2018, a	nd \$300,510 anticipated to	o be			
	requested	l in future years	S.						
		1	Evalu	ation					
Application Quality:	Medium	Application in	cluded most o	of the required	d information identified in t	the CFI guidelines			
		District PM/CM had to work with the cooperator to obtain remaining required							
Broject Bopofit:	High	The Resource	e Benefit of th	is water quali	ty project is the reduction	of pollutant loads	to		
Fioject benefit.	riigii	Tampa Bay	a SWIM priorit	v waterbody	by an estimated 157 lbs/v	/ear of TN	10		
Cost Effectiveness:	Medium	Medium The estimated cost/lb of TN removed is below the historical average cost of \$224/lb							
		and the cost	per acre treate	ed is above th	e historical average cost	of \$8,050/acre	,		
		treated for ur	ban/suburban	water quality	projects.				
Past Performance:	Medium	Based on an	assessment o	of the schedul	e and budget for the 4 on	going projects.			
Complementary Efforts:	High	Applicant has	s an active sto	rm water utilit	y that collects fees.				
Project Readiness:	High	The project is	s ready to beg	in on or befor	e December 1, 2017.				
		1	Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	ent: Develop			
		and impleme	ent programs,	projects and i	regulations to maintain an	d improve water			
		quality.				5 · · · -			
		Tampa Bay	Region Priori	ty: Improve L	ake Thonotosassa, Tampa	a Bay, Lake Tarpo	n		
			I Ranking an	d Recommen	dation				
Fund as High Priority.	The proie	ct is cost effect	tive and will im	prove water	quality draining from a wa	tershed that			
0 ,	discharge	s to Tampa Ba	y, a SWIM Pri	ority waterbo	dy.				
			Fund	ding					
Funding Source	Р	rior	FY20	18	Future	Total			
District		\$0		\$50,000	\$300,510		\$350,510		
Pinellas County		\$0		\$50,000	\$300,510		\$350,510		
Total		\$0		\$100,000	\$601,020		\$701,020		

Project No. N886	WMP - City of Davenport Watershed Evaluation and Stormwater Utility Rate Study								
Davenport		FY2018							
Risk Level:	Type 4	Type 4 Multi-Year Contract: No							
	-	Description							
Description	The project existing st infrastruct Improvem	The project involves performing Watershed Evaluation tasks required to evaluate the City's existing stormwater utility rate structure and billing methodology through the following efforts : infrastructure inventory and database development; cost estimates for needed future Capital Improvements; stormwater utility rate study; and community outreach and public presentations.							
Measurable Benefit:	The comp	letion of a WM	IP that will develop better f	loodplain information and i	mplement floodplain				
	managem	ent programs	to maintain storage and co	nveyance and to minimize	flood damage.				
Costs	Total proje City of Da District: \$2	ect cost: \$50,00 venport: \$25,0 25,000 in FY20	00 00 018						
			Evaluation						
Application Quality:	Medium	Application in District PM/C	ncluded most of the require M had to work with cooper	d information identified in a ator to obtain remaining re	the CFI guidelines. equired information.				
Project Benefit:	Medium	The developr	ment of watershed infrastru	cture and cost information	that can be used to				
		develop a Ca	ipital Improvement Plan. C	urrently, flood analysis mo	dels are not available				
		or are over 1	0 years old, and the waters	shed includes regional or in	ntermediate				
Cost Effectiveness	Medium	sommader Systems.							
	meanan	urbanized watersheds.							
Past Performance:	High	Based on coo	operator having no ongoin	g projects with the District	they are ranked high.				
Complementary Efforts:	Low	Cooperator is	s not participating in the Co	ommunity Rating System p	rogram.				
Project Readiness:	High	The project is	s ready to begin on or befo	re December 1, 2017.					
		1	Strategic Goals						
Strategic Goals:	Medium	Strategic Ini information a conveyance	itiative - Floodplain Mana and implement floodplain n and to minimize flood dam	gement: Develop better flo nanagement programs to r age.	oodplain naintain storage and				
		Overa	I Ranking and Recomme	ndation					
Fund as Medium Priority.	This project will initiate a City-wide watershed evaluation through development of a detailed GIS stormwater inventory and Capital Improvement cost estimate which will support evaluation and refinement of the City's stormwater utility rate structure and billing methodology. The resulting product will be utilized to help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.								
			Funding						
Funding Source	P	rior	FY2018	Future	Total				
Davenport		\$0	\$25,000	\$0	\$25,000				
District		\$0	\$25,000	\$0	\$25,000				
1 Total	1	\$0	I \$50.000	50	\$50.000				

Project No. N898	Reclaimed Water - Haines City Reclaimed Water Tank and Pump Stations Project								
Haines City	1				FY2018				
Risk Level:	Type 2		Multi-Year	Contract: No					
			Description						
Description:	This project	This project is for conceptual sizing, preliminary design, 30% design and third party review of an							
•	expansion	expansion to the City's reclaimed water storage and pumping infrastructure. The infrastructure							
	may includ	le a reclaimed	water storage tank, a low p	pressure reuse transfer pu	mp station, a high				
	pressure re	ressure reuse pump station, telemetry controls and other necessary appurtenances to supply							
	existing re	use customers	s and to enable future expa	nsions of the City's reuse	system . District				
	funding is	for 30% desig	n and third party review, as	this project has a concept	ual estimate of				
	nearly \$5 r	nillion dollars.	The FY2018 funding reque	st is to complete 30% des	ign and third party				
	review whi	ch will provide	the necessary information	to support funding in futur	e years to complete				
	design, pe	rmitting, and c	construction.						
Measurable Benefit:	The contra	ictual Measura	able Benefit will be the com	pletion of 30% design and	third party review				
0 a a tau	of a future	project to con	struct reclaimed water stora	age and pumping enhance	ments.				
Costs	District	CT COST: \$300,0	JUU (Conceptual design, 30	% design, third party revie	W)				
	Hainos Cit	25,000, (75%) v: \$75,000 T	he City's original concentur	Sleu III F 12010. Nastimato to complete dor	an normitting				
	and constr	y. \$75,000. 1	ne City S Original Conceptus	share) It is anticipated the	at the City will				
	request fu	nding to comp	lete design permitting and	construction in future vea	re				
	requestru		Evaluation						
Application Quality:	Medium	Application in	cluded most of the required	d information identified in t	ne CEL quidelines				
	Wealdin	District PM/C	M had to work with the coo	perator to obtain the remain	ining required				
		information.			0				
Project Benefit:	Medium	Medium The benefit of this project if constructed, would be the improvement of reclaimed water							
		availability to enable future reclaimed water system expansions.							
Cost Effectiveness:	High	High The project costs are consistent with the range of costs for similarly funded District							
		projects.							
Past Performance:	: High	Based on the	cooperator having no ongo	ping projects with the Distr	ict they are ranked				
O and a sector of the star	Lline	Hign.	realizing d water avatem in	oludoo motoring and incon	tive based reuse				
Complementary Efforts:	High	names City s	s for high volume water us	ciudes metering and incen	aimed water				
		expansion no	licies which maximize utiliz	ation water resource bene	afite and				
		environment	al henefits						
Proiect Readiness	Hiah	Project is rea	dv to begin on or before De	ecember 1. 2017.					
,		- ,	Strategic Goals						
Strategic Goals:	Hiah	Strategic Ini	tiative - Reclaimed Water:	Maximize beneficial use o	f reclaimed				
g		water to offs	et potable water supplies a	nd restore water levels and	l natural systems.				
		Heartland R	egion Priority: Implement	Southern Water Use Cauti	on Area (SWUCA)				
		Recovery St	rategy.		, , , , , , , , , , , , , , , , , , ,				
		Overa	I Ranking and Recommen	dation					
Fund as Medium Priority.	The project	t is recommen	nded for funding as it will de	evelop a plan for cost effec	tive reclaimed				
	water stora	age and pump	ing infrastructure, which if o	constructed would enable f	uture projects to				
	reduce rel	iance on tradit	ional water sources in the "	Ridge Lakes" area of the (CFWI. Haines City				
	qualifies for	qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under							
	District Policy 130-4, the Board can reduce the requirements for matching funds for REDI								
	communiti	es.	Funding						
Funding Course		rio r	Funding	Future	Toto				
Funding Source	Pi	10ľ		Future	IOTAL				
		\$0	\$225,000	\$0	\$225,000				
Haines City REDI		\$0	\$75,000	\$0	\$75,000				
Total		\$0	\$300,000	\$0	\$300,000				

Project No. N926	Restoration - Lake Eva & Lake Henry Restoration							
Haines City		FY2018						
Risk Level:	Туре 3			Multi-Year O Yes, Year 1	Contract: of 2			
		Description						
Description:	This proje based on Henry and alleviating The FY20 estimate is proceed b	nis project is 30% design and third party review for the Lake Eva & Lake Henry restoration ased on preliminary design being developed through N830 (Feasibility Study) to connect Lake lenry and Lake Eva through natural systems. This will include restoring regional water bodies, lleviating flooding, optimizing water retention within the region, and improving water quality. The FY2018 funding request it to complete engineering design. The conceptual construction cost stimate is greater than \$5 million dollars therefore Governing Board approval is required to roceed beyond 30% design and third party review.						
Measurable Benefit:	The contra connect L	actual Measura ake Henry and	able Benefit wi Lake Eva thro	ill be completi ough natural s	on of 30% design and thi systems.	ird party review to		
Costs:	Total proje Haines Ci District: \$3 proceed w greater the	Total project cost: \$400,000 (30% design, third party review, final design, and permitting) Haines City: \$100,000 (Eligible REDI Community) District: \$300,000. This project requires third party review of 30% design for approval to proceed with final design, permitting and construction. The total project cost is estimated to be greater than \$5 million dollars.						
Application Quality:	Hiah	Application in	cluded all of t	he required in	formation identified in the	e CEL quidelines		
Project Benefit:	Medium	 n The benefit of this project is to identify and quantify the benefits possible for each area of responsibility: flood protection, natural systems, water quality and water supply insure feed by the Central Elevide region. 						
Cost Effectiveness:	Medium	Aedium Costs are based on planning level estimate and appear to be reasonable based on available information.						
Past Performance:	High	High Based on the cooperator having no ongoing projects with the District.						
Complementary Efforts:	High	High The cooperator has an active stormwater utility that collects assessments and instituted a Lakes Management Initiative.						
Project Readiness:	Medium	Project is rea requested.	dy to begin on	or before Ma	arch 1st of the fiscal year	the funding is being	g	
		I	Strategi	c Goals				
Strategic Goals:	High	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Reace Creek Canal						
Fund as Medium Priority.	The City is	s anticipated to	complete the	a 30% design	and third party review in	FY2018.		
	Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipated favorable information from the third party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY2018 funding for completion of design. If constructed, the project is anticipated to best meet regional integrated water resources needs. Haines City qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.							
			Fund	ding				
Funding Source	P	rior	FY20	18	Future	Total	A AAA A AA	
		\$0		\$300,000	\$0		\$300,000	
		\$0 \$0		\$100,000 \$400.000	\$0 \$0		\$100,000	

Project No. N	937	Study - Sa	udy - Saddle Creek Audubon Tract Restoration							
Polk County	Natural		FY20							
Resources	Risk Level:	Type 2	Type 2 Multi-Year Contract: No							
			Description							
	Description:	This proje	ct will further e	valuate the co	ncept of utilizi	ng a 138 acre former p	hosphate mine site			
		located ad	ocated adjacent to Saddle Creek to improve water quality and natural systems. Saddle Creek is							
		a FDEP in	DEP impaired water body. A feasibility study was completed in 2005 to evaluate the site for							
		water qua	lity treatment a	nd limited floo	d protection.	Since that time the Wa	tershed Management			
		Plan has b	peen updated a	and other proje	ects have beer	n implemented in the w	atershed. A current			
		feasibility	analysis is nee	ded to evaluat	e project bene	efits using the updated	model. The Florida			
		Audubon	Society current	ly owns the pr	oject site and	is working with the Co	unty to deed the			
		project site	e over to the C	ounty.						
Measura	able Benefit:	The contra	actual Measura	able Benefit is	the completion	n of a Feasibility Study	to evaluate feasible			
	0	Solutions t	o improve wat	er quality and	natural system	ns in the Saddle Creek	watershed.			
	Costs:	Total proje	Ct COSt: \$100,0	JUU (Feasibility	/ Study)					
		District: \$4	11y. \$30,000 50 000 request	ed in EV2018						
		District. w		Evalua	ation					
Applica	ation Quality:	Medium	Application in	cluded most o	f the required	information identified i	n the CFI Guidelines.			
			District PM w	orked with coc	perator to obt	ain remaining informat	ion.			
Pro	oject Benefit:	High	The feasibility	/ study will ide	ntify and quar	ntify resource benefits a	associated with water			
			quality, flood	quality, flood protection and natural systems enhancements.						
Cost E	ffectiveness:	Medium	Costs are reasonable and comparable to project costs on similar projects funded by							
			the District.							
Past F	Performance:	High	Based on an	assessment or	f the schedule	and budget for 8 ongo	bing projects.			
Compleme	ntary Efforts:	High	Polk County	has an active s	stormwater Mu	unicipal Separate Taxin	ig Unit (MSTU). The			
			County also r	naintains an e	nvironmentali	y sensitive land purcha	ise program, performs	3		
			exolic remova	ai/treatment pr	ograms, and r	naintains numerous na	ature parks within its			
Projec	t Readiness	High	Project is rea	dy to begin on	or before Dec	cember 1 2017				
Trojec		Tign		Strategi	Goals					
Str	ategic Goals:	Medium	Strategic Ini	tiativo - Wator	: Quality Main	tenance and Improve	ment: Develop			
- Out		Weaturn	and impleme	ent programs	projects and re	equilations to maintain a	and improve water			
			quality.	in programo, p						
			4							
			Overal	l Ranking and	Recommend	dation				
Fund as Me	dium Priority.	The proje	ct will further in	vestigate feas	ible solutions	to address water quali	ty, flood protection			
	,	and natura	al systems enh	ancements uti	ilizing a 138-a	cre former phosphate	mine adjacent to			
		Saddle Cr	eek, a FDEP i	mpaired water	body.		5			
				Fund	ling					
Funding	Source	Р	rior	FY20	18	Future	Total			
District			\$0		\$50,000	\$	50	\$50,000		
Polk County			\$0		\$50,000	\$	60	\$50,000		
То	otal		\$0		\$100,000	\$	50	\$100,000		

Project No. N940	SW IMP - V	Vater Quality -	Lake Hunter BMP Projec	t					
City of Lakeland					FY2018				
Risk Level:	Туре 3		Multi-Year	Contract:					
		Yes, Year 1 of 2							
		Description							
Description:	Design, pe	Design, permitting and construction of stormwater BMPs for untreated runoff discharging to Lake							
	Hunter, a	er, a FDEP impaired waterbody, located in the City of Lakeland.							
Measurable Benefit:	The contra	actual Measura	able Benefit will be the cons	struction of stormwater BM	IPs to treat runoff				
	from a 84	acre urbanized	d watershed. There will be	no monitoring or performa	nce testing				
Control	Total proje	ents.	00 (Decian permitting on	d construction)					
00515.	City of La	keland: \$466 9	900 (Design, permitting and						
	District: \$4	466.990 with \$	74.125 requested in FY201	8 and \$392,865 anticipate	ed to be				
	requested	l in future years	6.						
	·		Evaluation						
Application Quality:	High	Application in	cluded all of the required in	nformation identified in the	CFI guidelines.				
Project Benefit:	High	The Resourc	e Benefit of this water qual	ity project is the reduction	of pollutant loads to				
		Lake Hunter,	a FDEP impaired waterboo	dy, by an estimated 272 lb	s/yr of TN, 53 lbs/yr				
		of TP and 5960 lbs/yr of TSS.							
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is below the historical averages of \$224/lb, the							
		estimated cost/lb of TP removed is below the historical averages of \$896/lb, the							
		estimated cost	strid of 155 removed is del	ow the historical averages	ro troated for				
		urban/suburb	an water quality projects						
Past Performance:	Hiah	Based on the	cooperator having no ong	oing projects with the Dist	ict they are ranked				
	U	high.		01 9					
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.					
Project Readiness:	High	Project is exp	ected to begin on or before	e December 1, 2017.					
		1	Strategic Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Water Quality Mai	intenance and Improvem	ent: Develop				
		and impleme	ent programs, projects and	regulations to maintain an	d improve water				
		quality.							
Eund as Modium Priority	The proje	Overal	I Ranking and Recommer	idation					
Fund as Medium Fn0mly.	impaired	u is cost effect vaterbody	ive and will improve water	quality discharging to Lake	e numer, a FDEP				
	impaireu	waterbody.	Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$0	\$74,125	\$392,865	\$466,990				
City of Lakeland		\$0	\$74.125	\$392,865	\$466.990				
Total		\$0	\$148,250	\$785,730	\$933,980				

Project No. N851	SW IMP - V	Vater Quality	- CR 40 & 336	Drainage Im	provements				
Marion County						FY2018			
Risk Level:	Type 2			Multi-Year	Contract: No				
		Description							
Description:	The project	ct is for the cor	nstruction of sw	ales and cul	verts under CR 40, near f	the intersection of			
	CR 336, w	CR 336, which will reduce pollutant loads to the Withlacoochee River and reduce street flooding							
	in the area	the area.							
Measurable Benefit:	The contra	actual Measur	able Benefit wil	I be the cons	struction of swales and cu	lverts to treat			
	stormwate	er runoff from a	in approximate	ly 79 acres o	of area. There will be no n	nonitoring or			
	performar	ice testing req	uirements.	· ,					
Costs:	Iotal proje	ect cost: \$293,	000 (Construct	ion)					
	District: \$	146,50 reque	U stad in EV2018	2					
	District. ø	140,500 Teque	Sieu III F 12010	ation					
Application Quality:	Medium	Application in		f the required	t information identified in	the CEL quidelines			
Application Quality.	Medium	District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information.			
Project Benefit:	Medium	The Resourc	e Benefit of the	e project is to	reduce existing street flo	oding up to and			
-		including the	100-year, 24-h	iour storm ev	ent, and pollutant loads t	o the Withlacoochee			
		River by an e	stimated 47 lb	s/year of TN	and 7 lbs/year of TP. The	e project impacts the			
		intermediate	drainage syste	m.					
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is above the historical average cost of \$224 and							
		the per acre	treated is below	v the historic	al average cost of \$8,050) for urban/suburban			
		water quality	projects. The	estimated cos	st/lb of TP removed is ab	ove the historical			
		average cost of \$896 and the per acre treated is below the historical average cost of							
		\$8,050 for ur	ban/suburban	water quality	projects. The cost effecti	veness is solely an			
Past Porformanco:	High	Based on an	assessment of	the schedul	e and budget for the 2 on	agina projects.			
Complementary Efforts:	High	The County I	as an active st	tormwater ut	ility that collects fees.				
Project Readiness:	Medium	The project is	ready to begin	n on or befor	e March 1, 2018.				
	moulan		Strategic	Goals					
Strategic Goals:	Hiah	Strategic In	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop			
enalogie ecale.	riigii	and impleme	ent programs, p	projects and i	regulations to maintain ar	nd improve water			
		quality.		- ,					
		Strategic In	tiative - Flood	plain Manag	ement: Develop better flo	oodplain			
		information a	and implement	floodplain m	anagement programs to r	maintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		Overa	ll Ranking and	Recommen	dation				
Fund as Medium Priority.	The proje	ct will reduce s	tormwater imp	acts to the W	/ithlacoochee River throu	gh a reduction in			
	sediment and nutrient loading. The project provides flood protection for the intermediate drainage								
	system th	rough conveya	ince improvem	ent.					
Eurodia O	_		Fund	ing	E.A.	T -4-1			
Funding Source	Р	rior	F ¥ 20'	10 0140 F00	Future	Iotal			
		\$0		\$146,500	\$0	\$146,500			
District		\$0		\$146,500	\$0	\$146,500			
Total		\$0		\$293,000	\$0	\$293,000			

Project No. N838	SW IMP - F	SW IMP - Flood Protection - City of Bradenton 71st St W Improvements						
City of Bradenton					FY2018			
Risk Level:	Туре 3		Multi-Year Yes, Year 1	Contract: of 2				
			Description					
Description:	The project	ct consists of th	ne design, permitting and c	onstruction of improvemer	nts to the existing			
	drainage s	system along 7	1st Street West located in	the City of Bradenton. A V	VMP has been			
	recently co	ompleted and p	provides the flooding exten	t of the project area along	with this alternative			
	as a flood	reduction and	water quality improvement	project.				
Measurable Benefit:	The contra	actual Measura	able Benefit will be the desi	gn, permitting and constru	ction of drainage			
Casta	system im	provements al	ong /1st Street West in the	e City of Bradenton.				
Costs:	City of Bra	ect cost: \$120,0 adenton: \$60.0	000 (Design, permitting, an	a construction)				
	District: \$6	60 000 with \$3	00 0.000 requested in EY2018	and \$30,000 anticipated	to be requested in			
	future vea	irs.	0,000 10400000 111 12010					
	,		Evaluation					
Application Quality:	Medium	Application in	cluded most of the require	d information identified in t	the CFI guidelines.			
		District CM h	ad to work with cooperator	to obtain remaining requir	ed information.			
Project Benefit:	Medium	The Resource	e Benefit of the project will	reduce the existing floodir	ng problem during the			
		25-year, 24-hour storm event. Street flooding currently occurs in the project area and						
	1 Kada	the project in	pacts the regional or interr	nediate drainage system.				
Cost Effectiveness:	High	roads.	ratio is great than or equal	to 1. Benefits include avoi	ded damages to			
Past Performance:	High	Based on an	assessment of the schedu	e and budget for the 2 on	going projects.			
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6	to 9 range.			
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.				
		1	Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	jement: Develop better flo	odplain			
		information a	and implement floodplain m	anagement programs to n	naintain storage and			
		conveyance	and to minimize flood dam	age.				
Fund on Madium Driarity	TI :	Overal	I Ranking and Recommer	idation				
Fund as medium Phonity.	to a critica	ct reduces stre	et flooding, provides additi	onal water quality treatme	nt and safe passage			
		a facility (Seab	Funding					
Funding Source	P	rior	FY2018	Future	Total			
District			\$30.000	\$30,000	\$60,000			
City of Bradenton		99 .\$0	\$30.000	\$30.000	\$60,000			
Total		\$0 \$0	\$60,000	\$60,000	\$120,000			

Project No. N857	SW IMP - F	lood Protecti	on - Riverside	Village Drain	age Improvement			
Pasco County						FY20		
Risk Level	Туре 3			Multi-Year C	ontract:			
				Yes, Year 1 c	of 3			
			Descri	ption				
Description	This proje	ct is for 30% d	esign and third	party review	of channel and culvert u	pgrades for the		
	primary dr	ainage system	ns within the Ri	verside Village	e neighborhood. District	funding is for 30%		
	design an	esign and third party review as this project has a conceptual construction estimate greater						
	than \$5 m	illion dollars. I	he FY2018 fur	iding request i	s to complete 30% desi	gn and third party		
	review wh	icn will provide	e the necessary	/ Information to	o support funding in futu	ire years to		
Measurable Benefit:	The contr	actual Measur	ung and consu able Benefit wil	l be the comp	letion of the 30% design	and third party		
medsurable Denem.	review of	this proposed	project to consi	truct channel a	and culvert upgrades	rand third party		
Costs	Total proje	ect cost: \$500.	000 (30% desi	an and third pa	arty review)			
	Pasco Co	unty: \$250,000) ``	5	, ,			
	District: \$2	250,000						
	The conce	eptual estimate	e to complete d	esign, permitt	ing, and construction is	\$7,711,800		
	(\$3,855,9	00 District sha	re). It is anticip	ated that the C	County will request addit	ional funding to		
	complete	design, permit	ting, and const	ruction in futur	re years.			
Application Quality	NA 11		Evalua	ation		the OFI muidelines		
Application Quality:	Medium	Vedium Application included most of the required information identified in the CFI guidelines.						
Project Benefit:	Medium	The Resourc	e Benefit of this	s project, if co	nstructed, will reduce th	e existina floodina		
]		problem during the 100 year, 24 hour storm event. Street flooding currently occurs in						
		the project area and the project impacts the intermediate drainage system.						
Cost Effectiveness	Low	Benefit/cost r	atio is less tha	n 0.7. Benefits	s include avoided dama	ges to roads.		
Past Performance:	High	Based on an	assessment of	f the schedule	and budget for the 12 o	ngoing projects.		
Complementary Efforts:	Medium	Cooperator's	Community Ra	ating System of	class is 6 and is in the 6	to 9 range.		
Project Readiness	High	Project is rea	dy to begin on	or before Dec	ember 1, 2017.			
		1	Strategio	: Goals				
Strategic Goals:	Medium	Strategic Ini	itiative - Flood	plain Manage	ment: Develop better flo	oodplain		
		information a	and implement	floodplain ma	nagement programs to r	maintain storage and		
		conveyance	and to minimiz	e flood damag	ge.			
Fund on Madium Driarity	The Original	Overa	I Ranking and	Recommend	ation	incomentational as each a		
Fund as medium Fhonty.	roviow on	ty is requestin	of the 30% dee	piete the cond	third party roviow will p	agn, and third party		
	with bette	r information to	o confirm the re	source benef	its and cost effectivenes	s of constructing		
	this project	ct. If constructe	ed, this project	will reduce str	eet flooding during the 1	100 year, 24 hour		
	storm event by upgrading channels and culverts in the primary stormwater system within the							
	Riverside	Village neighb	orhood.					
			Fund	ing				
Funding Source	Р	rior	FY20	18	Future	Total		
District		\$0		\$250,000	\$0	\$250,0		
Pasco County		\$0		\$250,000	\$0	\$250,0		
Total		\$0		\$500,000	\$0	\$500,0		

Project No. N865	SW IMP - Flood Protection - Magnolia Valley Storage and Wetland Enhancement							
Pasco County						FY2018		
Risk Level:	Туре 3			Multi-Year Co	ontract: No			
			Descr	iption				
Description:	This project Storage an contributing former golf Magnolia \ 30% desig million doll which will design, pe	This project is for conceptual design, 30% design and third party review 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). District funding is for 30% design and third party review as this project has a conceptual estimate greater than \$5 million dollars. The FY2018 funding request is to complete 30% design and third party review which will provide the necessary information to support funding in future years to complete design exemiting and exact ution						
Measurable Benefit:	The contra design, an wetland er	ictual Measura d third party re	able Benefit w eview of this p	ill be the comple roposed project	etion of the conceptual t to construct stormwate	design, 30% er storage and		
Costs	Total proje Pasco Cou District: \$3 The conce (\$6,200,00	ct cost: \$600, unty: \$300,000 00,000 ptual estimate 00 District shar	000 (Conceptu) e to complete o re). It is anticip	ual design, 30% design, permittin pated that the C	design, third party reving ng, and construction is a ounty will request fundi	ew) \$12,400,000 ng to complete		
	design, pe	milling, and c	Evalu	ation				
Application Quality:	Medium	Application in District PM ha	ncluded most of ad to work with	of the required in the cooperator to	nformation identified in obtain remaining requi	the CFI guidelines.		
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage						
Cost Effectiveness:	Low	Benefit/cost r structures an	atio is less tha d roads.	an or equal to 0	.7. Benefits include avo	ided damages to		
Past Performance:	High	Based on an	assessment c	of the schedule	and budget for the 12 o	ngoing projects.		
Complementary Efforts:	Medium	Cooperator's	Community R	ating System c	lass is 6 and is in the 6	to 9 range.		
Project Readiness:	High	Project is rea	dy to begin or	or before Dece	ember 1, 2017.			
Strategic Goals:	High	Strategic Ini and impleme quality. Strategic Ini information a conveyance	Strategi itiative - Wate ent programs, itiative - Flood and implement and to minimi	c Goals r Quality Maint projects and reg dplain Manager t floodplain man ze flood damag	enance and Improvem gulations to maintain ar nent: Develop better flo agement programs to r e.	ent: Develop nd improve water podplain maintain storage and		
		Overal	II Ranking and	d Recommenda	ation			
Fund as Medium Priority.	The County is requesting funds to complete the conceptual design, 30% design, and third party review only. The results of the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by excavating storage within the former Magnolia Valley golf course. In addition, the added storage and wetland enhancement will have water quality benefits to stormwater discharges.							
Funding October		dan	Fund	aing	E	Tetel		
Funding Source	<u> </u>	1 0ľ	FY20	\$300.000	Future			
Pasco County	 	<u>م</u>		\$300,000 \$300,000	ზ0 ლი	\$300,000 \$200,000		
	┼────	ጋሮ በ ደ		\$600,000	ې ۵ ۵ ۱۹:	\$300,000		
iotai	<u> </u>	ΨŪ	I	<i>+</i> ,	\$ 3	ļ <i>\$222,000</i>		

Project No. N866	WMP - City	of Treasure I	sland Watershed Manager	ment Plan					
City of Treasure Island		or moustais i	olaria Matoronoa managoi		EV2019				
Risk Level:	Type 3		Multi-Year	Contract: No	112010				
	71		Description						
Decerintian) Materia has								
Description:	Watersnet	n Managemeni nelude Waters	t Plan (WWP) for the City of	tion of a watershed mode	as County. The				
	Master Pla	aster Plan, Level of Service (LOS) Determination, and Best Management Practices (BMPs)							
	Alternative	ternative Analysis. FY2018 funding will be used to start and complete the WMP.							
Measurable Benefit:	The contra	actual Measura	able Benefit will be the deve	elopment of a long term st	ormwater				
	managem	ent plan and w	vatershed model that will all	low for the City of Treasur	e Island to propose				
	more refin	ed flood prote	ction and water quality impr	ovement projects in the fu	uture.				
Costs:	Total proje	ct cost: \$198,	700						
	City of Tre	asure Island:	\$99,350						
	District: \$9	9,350 with \$9	9,350 requested in FY2018	l.					
			Evaluation						
Application Quality:	Medium	Application in	icluded most of the required	d information identified in t	the CFI Guidelines.				
	النعام	District PM ha	ad to work with Cooperator	to obtain remaining requi	red information.				
Project Benefit:	High	analysis mod	li analyze liooding problems	over 10 years old, and the	ed. Currentiy, 11000				
		analysis models are not available or are over 10 years old, and the watershed includes							
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than							
	2011	\$50,000/sg mi) for WMPs completed in urban watersheds.							
Past Performance:	High	High Based on an assessment of the schedule and budget for the 5 ongoing projects.							
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6	to 9 range.				
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2017.					
			Strategic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Mai	ntenance and Improvem	ent: Develop				
		and impleme	ent programs, projects and	regulations to maintain an	d improve water				
		quality.							
		Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain				
		information a	and implement floodplain m	anagement programs to n	naintain storage and				
		conveyance		age.					
		Overal	I Denking and Decommon	detion					
Fund as Medium Priority	This proje	ct identifies flo	od risk in an area with no d	etailed study information :	available. The				
r and do modiant rhong.	resulting r	roduct will be	utilized for flood insurance	determination, help imple	ment solutions that				
	alleviate fl	ood risk and ir	mprove water quality, and e	nhance the planning of fu	ture development in				
	the projec	t area.			,				
			Funding						
Funding Source	Р	rior	FY2018	Future	Total				
District		\$0	\$99,350	\$0	\$99,350				
City of Treasure Island		\$0	\$99,350	\$0	\$99,350				
Total		\$0	\$198.700	\$0	\$198,700				

Project No. N872	WMP - Silv	ver/Twin Lake	Watershed Management P	lan Update				
Hillsborough County					FY2018			
Risk Level:	Туре 3	Type 3 Multi-Year Contract: No						
	-	Description						
Description:	Watershee Managem Hillsborou existing W LiDAR dat	Vatershed Management Plan (WMP) and model update, floodplain delineation, and Best Aanagement Practices (BMP) alternative analysis for the Silver/Twin Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2006 land use data. The County will be utilizing new iDAR data obtained from project NZ67 to complete the WMP update						
Measurable Benefit:	The contra and BMP digital top	actual Measura alternative ana ographic inforr	able Benefit will be the WMI alysis for the Silver/Twin Lal nation, ERP data, and land	^D and model update, floor ke Watershed in Hillsboro use updates.	dplain delineation ugh County using			
Costs	Total proje Hillsborou District: \$2	ect cost: \$50,0 igh County: \$2 25,000 request	00 5,000 ted in FY2018.					
Application Quality:	Hiah	Application in	cluded all the required info	mation identified in the C	El Guidelines			
Project Benefit:	Medium	Identification flood analysis includes regio	Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.					
Cost Effectiveness:	Low	 Project cost per square mile is below the low-range of historic costs (greater than \$6,000) for WMP updates, floodplain determination, and BMP alternative analysis. 						
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for the 10 or	ngoing projects.			
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range.			
Project Readiness:	High	Project is rea being reques	dy to begin on or before De ted.	cember 1st of the fiscal y	ear the funding is			
			Strategic Goals					
Strategic Goals:	Medium	Jum Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.						
		Overa	II Ranking and Recommen	dation	·· ·· -			
Fund as Medium Phonity.	years old. solutions developm	This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.						
Eunding Source		rior	Funding EV2018	Euturo	Total			
District	P	1101 (12)	\$25.000	ruture ¢∩	10tai \$25.000			
Hillsborough County		οφ Ω <u>₹</u>	\$25,000	0# 	\$25,000			
Total		\$0 \$0	\$50.000	\$0	\$50,000			

Project No. N887	SW IMP - Water Quality - Delaney Creek Improvements								
Hillsborough County						FY2018			
Risk Level:	Type 2			Multi-Year (Contract: No				
		Description							
Description:	Constructi	Construction of stormwater improvement BMPs and conveyance to those BMPs for untreated							
	runoff con	tributing to Del	aney Creek, a l	FDEP nutrie	nt impaired waterbody in	Hillsborough			
	County.	bounty.							
Measurable Benefit:	The contra	actual Measura	able Benefits wi	Il be the con	struction of stormwater B	MPs to treat runoff			
	from a 130) acre highly u	rbanized waters	shed. There	will be no monitoring or p	berformance testing			
Costs	Total proje	nt cost: \$346	126 (Construction	on only)					
00010.	Hillsborou	ah County: \$1	73.063	on only)					
	District: \$	173,063 reque	sted in FY2018.						
			Evalua	tion					
Application Quality:	Low	Application d	id not include th	ne required in	nformation identified in th	e CFI guidelines.			
	1 U.s.b	District PM/C	District PM/CM had to work with the cooperator to obtain all the required information.						
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to							
Cost Effectiveness:	Hiah	The estimated cost/lb of TN removed is below the historical average cost of \$224, and							
	i ngi i	the cost/acre treated is below the historical average cost of \$8.050/acre for							
		Urban/Subur	ban water qualit	ty projects.					
Past Performance:	Medium	Based on an	assessment of	the schedule	e and budget for the 10 o	ngoing projects.			
Complementary Efforts:	High	The County h	nas an active sto	ormwater uti	lity that collects fees.				
Project Readiness:	High	Construction	is expected to b	pegin on or b	pefore December 1, 2017	1			
		1	Strategic	Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop			
		and impleme	ent programs, pi	rojects and r	regulations to maintain an	id improve water			
		quality.							
		Overal	Bonking and	Pagamman	dation				
Fund as Medium Priority	The proje	overal ct is cost effect	tive and will imp	rove water (uation quality discharged to Dela	anev Creek, an			
	identified	FDEP impaired	d waterbody.		quality alconarged to Delt	ancy crock, an			
			Fundi	ng					
Funding Source	Р	rior	FY201	8	Future	Total			
District		\$0		\$173,063	\$0	\$173,063			
Hillsborough County		\$0		\$173,063	\$0	\$173,063			
Total		\$0		\$346,126	\$0	\$346,126			

Project No. N894	WMP - Hill	sborough Cou	inty Floodplain Redelir	eation				
Hillsborough County					FY2018			
Risk Level:	Туре 3		Multi-Ye	ar Contract: No				
	Description							
Description	New flood project will project N7 in the prev provide be Currently, version 17 floodplain	New floodplain delineation for approximately 10 watersheds within Hillsborough County. The project will be utilizing the new LiDAR data that was collected from the cooperatively funded project N767 Hillsborough County LiDAR. Previous LiDAR data used to delineate the floodplain n the previous watershed updates ranged from 2006 to 2011. The new floodplain delineation will provide best available information to SWFWMD Regulation staff and County development staff. Currently, FEMA's effective 100 year floodplain was developed based on the County's 2001 version 17 watershed hydrologic/hydraulic model results. The information produced from the floodplain will also be provided to FEMA for future map revisions.						
Measurable Benefit:	The contra	actual Measura	able Benefit will be comp	letion of the floodplain delin	eation for			
Costs	Total proje Hillsborou District: \$1	ct cost: \$300,0 gh County: \$1 150,000 reque	50,000 50,000 Sted in FY2018.	reduity.				
Application Quality	High	Application in	Evaluation	oformation identified in the (
Application Quality:	⊓igii Lliab							
Project Benefit:	High	floodplain del	ineations are over 10 ye stormwater systems.	according to new LIDAR dat ars old, and the watershed	a. Currentiy, the includes regional or			
Cost Effectiveness:	High	Cost is \$4,00	0 or less/sq. mi.					
Past Performance:	Medium	Based on an	assessment of the sche	dule and budget for the 10 o	ongoing projects.			
Complementary Efforts:	High	Cooperator's	Community Rating Syst	em class is 5 and is in the 5	or better range.			
Project Readiness	High	Project is rea being reques	dy to begin on or before ted.	December 1st of the fiscal	year the funding is			
			Strategic Goals					
Strategic Goals:	Medium	Strategic Ini information a conveyance	tiative - Floodplain Mar and implement floodplain and to minimize flood da	nagement: Develop better fl management programs to amage.	oodplain maintain storage and			
		Overal	I Ranking and Recomn	nendation				
Fund as Medium Priority.	Project wi Hillsborou 2001 vers FEMA for	roject will provide updated floodplain delineation for approximately 10 watersheds within fillsborough County. FEMA's effective 100 year floodplain was developed based on the County's 001 version 17 watershed hydrologic/hydraulic model results. New results will be provided to EMA for future updates to the maps.						
	_		Funding					
Funding Source	P	rior	FY2018	Future	Total			
		\$0	\$150,0		\$150,000			
		\$0	\$150,0		\$150,000 \$150,000			
Total		\$0	\$300,0	UUJ \$C	y \$300,000			

Project No. N897	WMP - Duo	k Pond Water	shed Management Plan U	pdate	
Hillsborough County					FY2018
Risk Level:	Туре 3		Multi-Year	Contract: No	
			Description		
Description:	Watershee Managem County us WMP and obtained f	d Management ent Practices (ing digital topo model are bas rom project N7	t Plan (WMP) and model up BMP) alternative analysis f ographic information, ERP of sed on 2006 land use data. 767 to complete the WMP u	odate, floodplain delineatio for the Duck Pond Watersl data, and land use update The County will be utilizin pdate.	on, and Best hed in Hillsborough s. The existing ng new LiDAR data
Measurable Benefit:	The contra and BMP topograph	actual Measura alternative ana ic information,	able Benefit will be the WM alysis for the Duck Pond Wa ERP data, and land use u	P and model update, flood atershed in Hillsborough C odates.	dplain delineation County using digital
Costs:	Total proje Hillsborou District: \$	ect cost: \$250,0 gh County: \$12 125,000 reques	000 25,000 sted in FY2018.		
	1.12. 1		Evaluation	uuu atiisuu istaastifia diis tha O	El Outidalia a a
Application Quality:	High	Application in	iciuded all the required info	rmation identified in the C	FI Guidelines.
Project Benefit:	Medium	Identification flood analysis includes regio	of flooding problems that e s models are available and onal or intermediate stormv	xist in the watershed and are from 5 to 10 years old vater systems.	solutions. Currently, I, and the watershed
Cost Effectiveness:	Low	Project cost p \$6,000) for W	per square mile is below the ///////////////////////////////////	e low-range of historic cos termination, and BMP alte	ts (greater than ernative analysis.
Past Performance:	Medium	Based on an	assessment of the schedu	e and budget for the 10 o	ngoing projects.
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range.
Project Readiness:	High	Project is rea being reques	dy to begin on or before De ted.	ecember 1st of the fiscal y	ear the funding is
			Strategic Goals		
Strategic Goals:	Medium	Strategic Ini information a conveyance	itiative - Floodplain Manag and implement floodplain m and to minimize flood dam	Jement: Develop better flo anagement programs to n age.	oodplain naintain storage and
		Overal	I Ranking and Recommer	Idation	
Fund as Medium Priority.	I his proje years old. solutions t developm	ct updates floc The resulting that alleviate floc ent in the proje	od risk in an area with exist product will be utilized for f ood risk and improve water ect area.	ng detailed study information in a study information in a study in a study in a study in a study information a study information and a study informati	tion more than 5 ion, help implement planning of future
	_		Funding		
Funding Source	P	rior	FY2018	Future	Total
Listiict		\$U #0	j \$125,000 ¢125,000	\$U \$0	\$125,000
Total		\$0 \$0	\$125,000 \$250,000	\$0 \$0	\$125,000 \$250,000

Project No. N903	WMP - Eas	t Lake Waters	hed Management Plan Up	date	
Hillsborough County					FY2018
Risk Level:	Туре 3		Multi-Year	Contract: No	
	-		Description		
Description:	Watershee Managem County us WMP and obtained f	d Management ent Practices (ing digital topc model are bas rom project N7	t Plan (WMP) and model up BMP) alternative analysis f ographic information, ERP c sed on 2006 land use data. '67 to complete the WMP u	date, floodplain delineation or the East Lake Watersh lata, and land use update The County will be utilizin pdate.	on, and Best ed in Hillsborough s. The existing ıg new LiDAR data
Measurable Benefit:	The contra and BMP topograph	actual Measura alternative ana iic information,	able Benefit will be the WMI alysis for the East Lake Wat ERP data, and land use up	and model update, floor ershed in Hillsborough Co odates.	dplain delineation bunty using digital
Costs	Total proje Hillsborou District: \$	ect cost: \$100, gh County: \$5 50,000 request	000 0,000 ted in FY2018.		
Application Quality	Lligh	Application in	Evaluation	mation identified in the C	El Cuidelines
Application Quality:	Modium	Application	of flooding problems that a		aclutional Currently
Project Benefit:	Medium	flood analysis	s models are available and onal or intermediate stormw	are from 5 to 10 years old vater systems.	, and the watershed
Cost Effectiveness:	Low	Project cost p \$6,000) for W	per square mile is below the ///////////////////////////////////	e low-range of historic cos ermination, and BMP alte	ts (greater than ernative analysis.
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for the 10 o	ngoing projects.
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5	or better range.
Project Readiness	High	Project is rea being reques	dy to begin on or before De ted.	cember 1st of the fiscal y	ear the funding is
		1	Strategic Goals		
Strategic Goals:	Medium	Strategic Ini information a conveyance	itiative - Floodplain Manag and implement floodplain m and to minimize flood dama	ement: Develop better flo anagement programs to n age.	odplain naintain storage and
Fund on M. P. D		Overal	l Ranking and Recommen	dation	
Fund as Medium Priority.	This proje years old. solutions developm	ct updates floc The resulting that alleviate floc ent in the proje	od risk in an area with existi product will be utilized for fl ood risk and improve water ect area.	ng detailed study informat ood insurance determinat quality, and enhance the	tion more than 5 ion, help implement planning of future
	_	•	Funding		₩
Funding Source	<u>Р</u>	rior	F Y 2018	Future	Iotal
		\$U ¢0		\$U ¢0	\$50,000
		\$0 \$0	\$50,000 \$100,000	\$0 \$0	\$50,000 \$100,000

Project No. N906	SW IMP - V	Vater Quality	Hemlock Dri	ve Stormwate	r System Improvement	s
New Port Richey						FY2018
Risk Level:	Туре 3			Multi-Year C	contract: No	
	-		Descr	iption		
Description:	Design, pe	ermitting and c	onstruction of	stormwater im	provement BMPs conne	ected to the main
	stormwate	r pipeline alon	g Hemlock Dr	ive within the	City of New Port Richey.	
Measurable Benefit:	The contra	actual Measura	able Benefit w	ill be the desig	n and construction of sto	ormwater BMPs to
	treat appr	oximately 12 a	cres of urbani	zed watershed	I. There will be no monite	oring or performance
Costs	Total proje	quirements.)0 (Design ne	rmitting and (Construction)	
00515.	City of Ne	w Port Richev	\$30,000			
	District: \$3	30,000 request	ed in FY2018			
		· ·	Evalu	ation		
Application Quality:	Medium	Application in	cluded most c	of the required	information identified in	the CFI guidelines.
		District CM h	ad to work wit	h cooperator to	o obtain remaining requi	red information.
Project Benefit:	Medium	The Resourc	e Benefit of th	is water quality	y project is the reduction	of pollutant loads
			wer Coastal W	atersned by a	n estimated 4, 150 lbs/yr	or 188 and 24 lbs/yr
Cost Effectiveness:	Hiah	The estimate	d cost/lbs of T	N and TSS re	moved are below the his	torical average of
		\$224/lb and \$	612/lb respecti	ively, and cost	/acre treated is below the	e historical average
		cost of \$8,05	0/acre for urba	an/surburban v	vater quality projects.	_
Past Performance:	Medium	Based on an	assessment c	of the schedule	and budget for the 3 on	going projects.
Complementary Efforts:	High	The City has	an active stor	mwater utility f	hat collects fees.	
Project Readiness:	High	Project is rea	dy to begin or	or before Dec	cember 1, 2017.	
		I	Strategi	c Goals		
Strategic Goals:	Medium	Strategic Ini	tiative - Wate	r Quality Mair	itenance and Improvem	ent: Develop
		and impleme	ent programs,	projects and re	egulations to maintain ar	nd improve water
		quality.				
		0	I Deukina en	Decement		
Fund as Medium Priority	This proje	ct is cost effec	tive and provid	des water qua	lity improvements to a n	on-priority water
r and do modiant r nonty.	body for a	n area where	treatment is no	ot currently pro	wided.	
	,		Fund	ding		
Funding Source	Р	rior	FY20)18	Future	Total
District		\$0		\$30,000	\$0	\$30,000
City of New Port Richey		\$0		\$30,000	\$0	\$30,000
Total		\$0		\$60,000	\$0	\$60,000

Project No. N915	SW IMP - F	lood Protecti	on - Lower Sprir	g Branch C	onveyance Improveme	ents
Pinellas County						FY2018
Risk Level	туре 3		Ν	lulti-Year Co	ontract:	
			Y	es, Year 1 o	f 3	
			Descript	on		
Description	 Design, per Branch of construction 	ermitting, and o Stevenson Cro on (County).	construction of co eek in Pinellas C	onveyance in ounty. FY20	nprovements along the 18 funding will be used	Lower Spring for design (City) and
Measurable Benefit:	The contra	actual Measura	able Benefit will b	e the conve	yance improvements at	the Douglas
	Avenue, S	Springtime Ave	nue, Overbrook /	Avenue and S	Sunset Point Road cros	sings of the Lower
Costs	Total proje	ect cost: \$3.32	0.000 (Design in	ermitting co	nstruction)	
00313	Pinellas C	ounty: \$500.0	0,000 (Design, p	sinntang, coi		
	City of Cle	earwater: \$1,16	50.000			
	District: \$	1,660,000 with	\$625,000 budge	ted in FY20 ²	18, and \$1,035,000 anti	cipated to be
	requested	in future year				
			Evaluati	on		
Application Quality	Low	District PM h	ad to work with th	ne Cooperato	or to obtain required info	ormation and
		Cooperator w	vas unable to pro	vide required	d information.	
Project Benefit	High	The Resourc	e Benefit of this	project will re	educe the existing floodi	ng problem during
		the 100 year,	24-hour storm e	vent, providi	ing flood relief for appro	ximately 11 homes.
		Structure and	d street flooding o	currently occ	urs in the project area a	ind the project
Cost Effectiveness	Low	Record on ave	egional or interm	ediate draina	age system.	than 0.7. Ronofite
COSt Effectiveness	LOW	include avoid	led damages to s	tructures and	d roads.	than 0.7. Denents
Past Performance	Medium	Based on an	assessment of th	ne schedule	and budget for a combi	ned 11 ongoing
		projects.			-	
Complementary Efforts	High	Cooperator's	Community Rati	ng System c	class is 5 and is in the 5	or better range.
Project Readiness	High	Project is rea	dy to begin on o	before Dece	ember 1, 2017.	
			Strategic C	oals		
Strategic Goals	Medium	Strategic Ini	itiative - Floodpl	ain Manageı	ment: Develop better flo	oodplain
		information a	and implement flo	odplain mar	nagement programs to r	maintain storage and
		conveyance	and to minimize	flood damag	je.	
		Overa	II Ranking and R	ecommenda	ation	
Fund as Medium Priority.	This proje	ct will reduce a	structure and stre	et flooding d	during the 100 year, 24	hour storm event by
	Constructi	ng conveyance	e improvements a	along the Lov	wer Spring Branch of Si	
	for this pr	Duniy. The Dis	strict is still evalu	aung whethe	er of not third party revie	ew will be required
	ior this pr	Jeci.	Fundin	a		
Funding Source	P	rior	FY2018	9	Future	Total
District		\$0		\$625,000	\$1.035.000	\$1.660.000
Pinellas County		پې ۵۳		\$500,000	\$0	\$500,000
City of Clearwater		φυ 		\$125,000	\$1.035.000	\$1 160 000
Total		\$0 \$0	\$	1,250,000	\$2,070,000	\$3,320,000

Project No. N941	SW IMP - V	Vater Quality	Allens Creek Improveme	nts at Plumb Elementary	,
Pinellas County	1				FY2018
School Board Risk Level:	Type 2		Multi-Year	Contract: No	
	-		Description		
Description:	Constructi	on of ditch bar	nk stabilization and planting	gs along both banks of 1,1	50 linear feet of
	shoreline f	to improve wat	er quality in Allen's Creek,	also known as Stephen's	Creek. The project
	location is	in the vicinity	of Plumb Elementary Scho	ol in the City of Clearwate	r.
Measurable Benefit:	The contra	actual Measura	able Benefit will be the con	struction of 1,150 linear fe	et of bank
	stabilizatio	on in Allen's Cr	eek. There will be no moni	toring or performance test	ing requirements.
Costs:	Total proje	ect cost: \$1,50	0,000 (Construction only)		
	Pinellas C	ounty School	Board: \$625,000		
		earwater: \$250	,000 stad in EV2018		
	District. ad	525,000 reque	Steu III F 12010.		
Application Quality	Madiuma	Application in	Evaluation	d information identified in	
Application Quality.	wealum	District PM/C	M had to work with cooper	ator to obtain remaining re	equired information.
Project Benefit:	Medium	The Resourc	e Benefit of this water qual	ity project is the reduction	of pollutant loads to
		Allen's Creek	by an estimated 18,000 lb	s/year TSS.	
Cost Effectiveness:	Medium	The estimate	d cost/lb of TSS removed i	s below the historical aver	age cost of \$12/lb for
		urban/surbur	pan water quality projects a	and the cost/linear foot of	shoreline restored is
De et De efermene	LUmb	more than the	e \$269/linear foot for histor	ical shoreline restoration p	projects.
Past Performance:	High	high.	cooperator naving no ong	oing projects with the Dist	rict they are ranked
Complementary Efforts:	High	Pinellas Cou	nty has an active stormwat	er utility that collects fees.	
Project Readiness:	Medium	Project is rea	dy to begin on or before M	arch 1, 2018.	
			Strategic Goals		
Strategic Goals:	Medium	Strategic Ini	tiative - Water Quality Ma	intenance and Improvem	ent: Develop
		and impleme	ent programs, projects and	regulations to maintain an	d improve water
		quality.			
		Overa	I Ranking and Recommen	ndation	
Fund as Medium Priority.	The proje	ct is cost effect	ive and will reduce stormw	ater impacts to Allen's Cr	eek through a
	reduction	in sediment lo	ad.		
			Funding		
Funding Source	P	rior	FY2018	Future	Total
City of Clearwater		\$0	\$250,000	\$0	\$250,000
District		\$0	\$625,000	\$0	\$625,000
Pinellas County School Boa		\$0	\$625,000	\$0	\$625,000
Total	1	\$0	\$1,500,000	\$0	\$1,500,000

Project No. N944	Study – Mag	nolia Valley	Slough Resto	ration		
Pasco County						FY2018
Risk Level:	Туре 3			Multi-Year (Contract: No	
			Descrip	otion		
Description:	This project	is for concep	otual design/fea	asibility of 13	0 acres of wetland enhar	ncement and
	restoration p	roject in the	Salt Spring Sp	ringshed, a s	second magnitude, nutrie	nt-impaired spring.
Measurable Benefit:	The contract	tual Measura	able Benefit wil	be concept	ual design/feasibility for e	enhancement and
	restoration o	of approxima	tely 130 acres	of wetlands i	in the Salt Spring Springs	shed.
Costs:	Total project	cost: \$175,0	000 (conceptua	I design/feas	sibility)	
	Pasco Coun	ty: \$87,5000)			
	District: \$87,	,500	Evalua	tion		
Application Quality:	High A	onlication in	cluded all of th	e required in	formation identified in the	e CEL quidelines
Project Papafit	High T	bo bonofit o	f this water au		the completion of conce	ontual design for
Project Benefit:		rojects to er	hance and res	tore approvir	mately 130 acres of wetla	pluar design for
		educe nutrie	nt loading in th	e Salt Sprinc	Springshed Salt Spring	is verified to be
	ir	npaired by F	DEP. This proi	iect will also	reduce the potential for f	looding by providing
	a	dditional wa	ter storage.			
Cost Effectiveness:	High T	he cost effe	ctiveness is sol	lely an analy	sis of the estimated proje	ect cost as compared
	to	o the costs o	f similar projec	ts such as P	128 (Inglis WWTF Feasil	oility Study) and
	N	1771 (Herna	ndo County Ad	vanced Wast	tewater Treatment Mast F	Plan Feasibility
	s	Study).				
Past Performance:	High B	Based on an	assessment of	the schedule	e and budget for the 12 o	ngoing projects.
Complementary Efforts:	High P	asco Count	y has an active	, environmer	ntally sensitive land purch	hase program and
	n	naintains nat	ure parks and	open spaces	within the park system.	The County operates
	A	dopt-a-Pond	d and Adopt-a-I	Road progra	ms. The County also has	an active stormwater
Droject Readinees	U U	tility that col	lects tees.	ar hoforo Do	acmbor 1, 2017	
Project Readiness.		TOJECT IS TEA	dy to begin on			
Strategia Casley		Nanata alia Jusi	Strategic		ntenence and loop of	anti Develen
Strategic Goals:	High	Strategic Ini	tiative - water	Quality Mail	ntenance and improvem	ient: Develop
		anu impierrie ruality	ant programs, p		eguiations to maintain ai	
		Strategic Ini	tiative - Conse	rvation and	Restoration: Identify crit	tical
	e	environment	ally sensitive e	cosystems a	nd implement plans for p	rotection or
	r	estoration.	5	,		
		<u>Overal</u>	l Ranking and	Recommen	dation	
Fund as Medium Priority.	This project	is cost effec	tive and will im	prove water	quality discharged to Sal	t Spring , a
	non-priority	waterbody.				
			Fund	ing		
Funding Source	Pric	or	FY201	8	Future	Total
District		\$0		\$87,500	\$0	\$87,500
Pasco County		\$0		\$87,500	\$0	\$87,500
Total		\$0		\$175,000	\$0	\$175,000

Project No: W027	TBEP Comprehensive Ma	nagement Plan Developm	ent and Implementation	
Risk Level: Type 1	Project Category: Water E	Body Protection & Restora	tion Planning	
Region: Tampa Bay				
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:
		Description		
Description:	This project provides fundin Agreement which established contributed funding to the T identified in the TBEP Comp to sit on the technical, mana Management Consortium of existing multi-year agreement amended and restated Inter May 19, 2015.	Ig for the Tampa Bay Estuar ed the TBEP as an independ BEP since 1990 to carry out prehensive Conservation an agement and policy (Govern f the program. Beginning in ent to account for changes to rlocal Agreement that was a	y Program (TBEP) as outlin dent special district in 1998. I the administration and imp d Management Plan. The D ing Board Member) boards FY2017, the District and the o the TBEP's funding strated pproved by the Governing B	ed in the Interlocal The District has lementation of projects District also provides staff and the Nitrogen e TBEP amended the gy included in the Board at its meeting on
Benefit:	This project's support of the and other state and local ac Additionally, this project pro	TBEP creates an opportuni gencies to implement resour wides for leveraging funding	ity for a cohesive effort betv ce management decisions a between the partners.	veen the District, TBEP and restoration activities.
Cost:	Total project cost: \$874,809 District: \$874,809 with \$14 \$569,013 anticipated to be) 1,793 budgeted in prior year requested in future years thr	rs, \$164,003 requested in F rough FY2021.	Y2018, and
		Evaluation		
Resource Benefit:	This project's support of the between the District, TBEP and restoration activities.	and other state and local ag	im creates an opportunity for jencies to implement resour	or a cohesive effort rce management decisions
Cost Effectiveness:	Costs are consistent with th	e FY2015 agreement as am	nended in FY2017 between	the District and the TBEP.
Project Readiness:	The project is ready to begi	n on October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	 Water Quality and Assess Water Quality Maintenance Conservation and Restorat 	nent Planning and Improvement ion		
Regional Priorities:	- Improve Lake Thonotosass	sa, Tampa Bay, Lake Tarpon	and Lake Seminole.	
		Additional Information		
Additional Information:	Tampa Bay is a SWIM prior Agency (USEPA) as an esti Tampa Bay National Estuar partner) to assist the region Bay. In 1998, the "National" an Interlocal Agreement bei program. Partners include t Hillsborough, Manatee and Interlocal Agreement was a increase from the FY2015/F Agreement allows for an op funding to the Tampa Bay E	ity water body and was iden uary of Federal Significance y Program (TBNEP) was es in developing a comprehen designation was dropped fr tween the program partners he EPA, Florida Department Pinellas counties and the cit mended in May 2015 and ap FY2016 amount by 2.5% ead tion to reduce the proposed Environmental Restoration F Funding	tified in 1990 by the US Em and included it in the Natio tablished in 1991 (with the sive plan for the restoration om the program name as a and commits the partners t to f Environmental Protectio tes of St. Petersburg, Tamp poproved by the Governing E ch year until 2021. The ame annual contribution increas und (TBERF) or to projects	vironmental Protection nal Estuary Program. The District as a founding and protection of Tampa result of the execution of o annual funding of the on (FDEP), the District, ba and Clearwater. The Board to allow costs to ended Interlocal se if the District provides
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	\$141 793	\$164 003	\$569.013	\$874 809
Total	\$141,793	\$164,003	\$569,013	\$874,809

Project No: W526	CHNEP Comprehensive	lanagement Plan Develop	ment and Implementation	
Risk Level: Type 1	Project Category: Water I	Body Protection & Restora	tion Planning	
Region: Heartland				
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:
		Description		
Description:	This project provides fundir Plan. The District has contr and implementation of proje Plan, and the District provid Board Member) of the provid Punta Gorda (the Host Age	ng for the Charlotte Harbor N ibuted annual funding to the ects identified in the CHNEP les staff to sit on the technic ram. The District enters into ncy for the CHNEP) to imple	lational Estuary Program (C CHNEP since 1997 to carry Comprehensive Conservat al, management and policy annual cooperative agreem ment projects identified in t	HNEP) Annual Work y out the administration ion and Management committees (Governing hents with the City of he Annual Work Plan.
Benefit:	This project's support of the CHNEP and other state and activities. Additionally, this	CHNEP creates an opportude of the creates and opportune of the creates	unity for a cohesive effort be nt resource management de ng funding between the part	etween the District, ecisions and restoration ners.
Cost:	Total FY2018 request: \$13 District: \$130,000	30,000		
	-	Evaluation		
Resource Benefit:	This project's support of the CHNEP and other state and activities. Projects containe hydrologic alterations, wate watersheds and the Charlo	CHNEP creates an opportunation of the creates and the character of the	Inity for a cohesive effort be nt resource management de Work Plan address manage abitat loss within the Peace	etween the District, ecisions and restoration ement issues concerning and Myakka River
Cost Effectiveness:	Project is cost effective and leveraged with other partner	at the same funding level p rs to implement projects ide	reviously approved by the E ntified in the Annual Work F	Board. Funding will be Plan.
Project Readiness:	The project is ready to begi	n on October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	 Water Quality and Assess Water Quality Maintenance Conservation and Restoration 	nent Planning a and Improvement tion		
Regional Priorities:	- Improve Charlotte Harbor,	Sarasota Bay and Shell/Prair	ie/Joshua creeks.	
		Additional Information		
Additional Information:	Charlotte Harbor is designat body and was identified by estuary of Federal Significa this designation, the CHNE restoration and protection of Water Management District and local agencies from the Comprehensive Conservati entity on their contribution t	ted as a Surface Water Impl the United States Environme nce and subsequently includ P was established to assist to of Charlotte Harbor. Partners to USEPA, Florida Department watershed. The goals and so on and Management Plan for o restore the Harbor.	rovement and Management ental Protection Agency (US ded in the National Estuary the region in developing a c in the CHNEP include the l nt of Environmental Protect strategies for the Harbor are or Charlotte Harbor which pr	(SWIM) priority water SEPA) in 1995 as an Program. As a result of omprehensive plan for the District and South Florida ion, other state, federal, e identified in the rovides guidance to each
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	Annual Request	\$130,000	Annual Request	\$130,000
Total	Annual Request	\$130,000	Annual Request	\$130,000

Project No: W612	SBEP Comprehensive Ma	anagement Plan Developm	ent and Implementation	
Risk Level: Type 1	Project Category: Water	Body Protection & Restora	tion Planning	
Region: Southern				
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems: X	Flood Protection:
		Description		
Description:	This project provides fundir Agreement which establish contributed annual funding projects identified in the SE staff to sit on the technical, Historically, the District enter Beginning in FY2015, the District enter through FY2019.	ng for the Sarasota Bay Estu ed the SBEP as an independ to the SBEP since 1990 to c BEP Comprehensive Conserv management and policy (Go ered into annual agreements District developed a multi-yea	ary Program (SBEP) as out dent special district in 2005. arry out administration and vation and Management Pla overning Board Member) co to provide its share of fund ar agreement to provide ann	lined in the Interlocal The District has implementation of an and the District provides mmittees of the program. ling to the SBEP. rual funding for the SBEP
Benefit:	This project's support of the and other state and local a Additionally, this project pro	e SBEP creates an opportun gencies to implement resour ovides for leveraging funding	ity for a cohesive effort betw ce management decisions a between the partners.	veen the District, SBEP and restoration activities.
Cost:	Total project cost: \$665,00 District: \$665,000 with \$39 anticipated to be requested)0 99,000 budgeted in prior year I in future years through FY2	rs, \$133,000 requested in F 019.	Y2018, and \$133,000
		Evaluation		
Resource Benefit:	This project's support of the and other state and local as	e SBEP creates an opportun gencies to implement resour	ity for a cohesive effort betw ce management decisions a	veen the District, SBEP and restoration activities.
Cost Effectiveness:	Costs are consistent with the	ne 5 year agreement betwee	n the District and SBEP effe	ective FY2015.
Project Readiness:	The project is ready to beg	in on October 1, 2017.		
		Strategic Goals		
Strategic Initiatives:	 Water Quality and Assess Water Quality Maintenance Conservation and Restora 	ment Planning e and Improvement tion		
Regional Priorities:	- Improve Charlotte Harbor,	Sarasota Bay and Shell/Prain	ie/Joshua creeks.	
		Additional Information		
Additional Information:	Sarasota Bay is designated Protection Agency (USEPA National Estuary Program. established in 1989 to assis of Sarasota Bay. In 2004, t execution of an interlocal a partners to an annual fundi Department of Environmen Bradenton, and the town of Comprehensive Conservati for each entity on their cont	d as a SWIM priority waterbo A) in 1989 as an estuary of Fe As a result of this designation st the region in developing a he "National" designation was greement between the prograng commitment. Partners in tal Protection, Sarasota and f Longboat Key. The goals and ion and Management Plan (Contribution to restore the Bay.	dy and was identified by the ederal Significance and sub n, the Sarasota Bay Nation comprehensive plan for the is dropped from the program am partners. The Interlocal the SBEP include the Distri- Manatee counties, the citie nd strategies for the Bay are CCMP) for Sarasota Bay wh	US Environmental sequently included in the al Estuary Program was restoration and protection n name as a result of the Agreement commits the ct, USEPA, Florida s of Sarasota and e identified in the nich provides the guidance
Eunding Source	Drier	EV2018 Postucated	Eutore	Tetal
	\$399,000	\$133,000	\$133,000	\$005,000
l otal	\$399,000	\$133,000	\$133,000	\$665,000

Project No: H015	Wells with Poor Wate	er Quality in the SWUCA Ba	ck-Plugging Program	
Risk Level: Type 1	Project Category: Fac	cilitating Agricultural Resou	rce Management Systems	
Region: Southern				
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:
		Description		
Description:	This is an ongoing pro- Use Caution Area (SW which has the potentia provided for this project cost has been \$584,68 reimbursed to a maxim back-plug borehole inter this program.	gram for cost-share and techn /UCA) for back-plugging irriga I to become a significant cons st since FY2002. Since progra 5 with a total District reimburs hum of \$6,500 per well, with re erval. The Shell, Prairie, and	ical assistance to well owners tion wells that produce highly tituent of the watershed ecos m inception in FY2002 throug sement of \$402,350. Qualifyin imbursement determined by loshua Creek (SPJC) watersh	s within the Southern Water mineralized groundwater, ystem. Funding has been th FY2017, the total project g landowners are dimensions of the neds are priority areas for
Benefit:	Back-plugging is a reco of highly mineralized g District. Older, or deep cross-connect with and long-term pumping ofte For growers there are of successful back-plug elevated crop yields, d fouling of irrigation equ	ommended practice to modify roundwater that often occurs er irrigation wells with poorly d degrade upper aquifer zone en has serious affects on the several advantages of well ba gging efforts demonstrate tha ecreases in soil-water require ipment.	irrigation wells by identifying from deeper groundwater sou constructed or damaged casir s, and the volume of dissolved ecosystem and water quality of ck-plugging. Research studie reduced salts in groundwate ments and pumping costs, an	and restricting the intrusion rces in certain areas of the ng intervals can d salts accumulated over downstream of these wells. s along with several years r irrigation often results in d reduced corrosion and
Cost:	Total FY2018 request: District: \$30.000	\$30,000		
	. ,	Evaluation		
Resource Benefit:	This project will improv watersheds. District-led chloride concentrations	ve water quality to downstrear d back-plugging efforts within s in groundwater from irrigatic	n receiving water bodies such the SPJC watersheds have s n wells an average of nearly (as the SPJC uccessfully reduced 60 percent.
Cost Effectiveness:	The cost for a typical b owners reimbursed a r	ack-plug since project incepti naximum of \$6,500 per well.	on averages about \$7,200 pe	r completion, with well
Project Readiness:	Project is ongoing.			
		Strategic Goals		
Strategic Initiatives:	- Water Quality Mainter	nance and Improvement		
Regional Priorities:	- Improve Charlotte Har	rbor, Sarasota Bay and Shell/F	rairie/Joshua creeks.	
		Additional Information		
Additional Information:	In 2000, the City of Pur with concerns for declin investigations have ind wells was the most like The Back-Plugging Pro SWUCA, and later bec (FARMS) program in 2	nta Gorda contacted Florida I ning water quality trends obse licated that highly mineralized aly source adversely impacting ogram was initiated in 2002 to ame an addition to the Facilit 2005.	Department of Environmental rved in their public water sup groundwater produced from g water quality in the Punta G improve water quality in wate ating Agricultural Resources N	Protection and the District ply reservoir. Field older, or deeper irrigation orda reservoir downstream. ershed systems of the Management Systems
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	Annual Req	uest \$30,0	00 Annual Reques	t \$30,000
Total	Annual Reg	uest \$30.0	00 Annual Reques	\$30.000

Project No: H017	Facilitating Agricultural R	esource Management Sys	tems (FARMS) Program	
Risk Level: Type 1	Project Category: Facilita	ting Agricultural Resource	e Management Systems	
Region: Districtwide				
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems:	Flood Protection:
	•	Description		
Description:	The Facilitating Agricultural management practice (BMF developed by the District an purpose of the FARMS initia	Resource Management Sys) cost-share reimbursement d the Florida Department of ative is to provide cost-share	stems (FARMS) Program is t program. The program is a Agriculture and Consumer ofunding for agricultural BM	an agricultural best a public/private partnership Services (FDACS). The IPs.
Benefit:	The FARMS Program has fi quality within the Shell, Prai natural systems impacted b the Upper Myakka River wa Southern Water Use Cautio Dover/Plant City Water Use the northern areas of the Di resources. Each project's pe	ve specific goals: 1) Reduce rie and Joshua Creek water y excess irrigation and surfa tershed; 3) Offset 40 million n Area (SWUCA) by 2025; 4 Caution Area (DPCWUCA) strict. These goals are critica erformance is tracked to det	e groundwater use and/or ir sheds; 2) Reduce groundwater runoff within the F gallons per day (mgd) of g 4) Reduce frost/freeze pum by 2020; and 5) Prevent gr al in the District's overall str ermine its effectiveness tow	nprove surface water ater use and/or improve flatford Swamp region of roundwater within the bage by 20% within the oundwater impacts within ategy to manage water vard program goals.
Cost:	Funding will be used for: - District Grants: FARMS B - Contracted Services for D	02,560 MP projects (\$6,000,000) vistrict Projects: Trade show	and community outreach (\$2,560)
		Evaluation	· · · · ·	
Resource Benefit:	It is estimated that FARMS	projects have reduced grour	ndwater use, District-wide, I	oy nearly 27 mgd.
Cost Effectiveness:	Groundwater offsets accom gallons saved.	plished through FARMS pro	jects have a cost of approx	imately \$1.90 per 1,000
Project Readiness:	Project is ongoing.			
		Strategic Goals		
Strategic Initiatives:	 Regional Water Supply Pla Alternative Water Supplies Conservation Water Quality Maintenance 	nning and Improvement		
Regional Priorities:	 Improve northern coastal s Ensure long-term sustainat Implement Southern Water Improve Charlotte Harbor, s 	pring systems. ble water supply. Use Caution Area (SWUCA) Sarasota Bay and Shell/Prair) Recovery Strategy. ie/Joshua creeks.	
		Additional Information		
Additional Information:				
		Funding		
Funding Source	Prior	FY2018 Requested	Future	Total
Ad Valorem	Annual Request	\$6,002,560	Annual Request	\$6,002,560
Total	Annual Request	\$6,002,560	Annual Request	\$6,002,560

Risk Level: Type 1 Project Category: Facilitating Agricultural Resource Management Systems Region: Districtwide Areas of Responsibility: Water Supply: X Water Quality: Natural Systems: Flood Protection: Description Description: Mini-FARMS compliments the Facilitating Agricultural Resource Management Systems (FARMS) program, which is a cost share reimbursement program for agricultural projects that conserve water and protect water quality within the District. The Mini-FARMS program is for farms less than 100 acres and has reimbursed growers up to 75 percent of project costs up to a maximum of \$5,000. This year the request includes increasing the \$5,000 cap to \$8,000. The Mini-FARMS program is managed by the Florida Department of Agriculture and Consumer Services (FDACS). FDACS works with local soil and water conservation districts and the University of Florida Institute for Food and Agricultural Sciences (IFAS) to promote the program. Since 2011 and through March 2017, a total of \$567,827 in total project costs are affiliated with the Mini-FARMS program compliments the FARMS program by assisting in the five FARMS goals: 1) Reduce groundwater use and/or improve surface water quality within the Shell, Prairie and Joshua Creek watersheds; 2) Reduce groundwater use and/or improve natural systems impacted by excess irrigation and surface water runoff within the Flatford Swamp region of the Upper Myakka River watershed; 3) Offset 40 million gallons per day (mgd) of groundwater within the Southern Water Use Caution Area (DPCWUCA) by 2020; and 5) Prevent groundwater impacts within the northern springs coast area. These goals are critical in the District's overall strategy to manage water resources.
Region: Districtwide Areas of Responsibility: Water Supply: X Water Quality: Natural Systems: Flood Protection: C Description: Mini-FARMS compliments the Facilitating Agricultural Resource Mangement Systems (FARMS) program, which is a cost share reimbursement program for agricultural projects that conserve water and protect water quality within the District. The Mini-FARMS program is for farms less than 100 acres and has reimbursed growers up to 75 percent of project costs up to a maximum of \$5,000. This year the request includes increasing the \$5,000 cap to \$8,000. The Mini-FARMS program is managed by the Florida Department of Agriculture and Consumer Services (FDACS). FDACS works with local soil and water conservation districts and the University of Florida Institute for Food and Agricultural Sciences (IFAS) to promote the program. Since 2011 and through March 2017, a total of \$567,827 in total project costs are affiliated with the Mini-FARMS program compliments the FARMS program by assisting in the five FARMS goals: 1) Reduce groundwater use and/or improve surface water quality within the Shell, Prairie and Joshua Creek watersheds; 2) Reduce groundwater use and/or improve natural systems impacted by excess irrigation and surface water runoff within the Flatford Swamp region of the Upper Myakka River watershed; 3) Offset 40 million gallons per day (mgd) of groundwater within the Dover/Plant City Water Use Caution Area (DPCWUCA) by 2020; and 5) Prevent groundwater impacts within the northern springs coast area. These goals are critical in the Districts overall strategy to manage water resources.
Areas of Responsibility: Water Supply: X Water Quality: Natural Systems: Flood Protection: Description: Description: Mini-FARMS compliments the Facilitating Agricultural Resource Mangement Systems (FARMS) program, which is a cost share reimbursement program for agricultural projects that conserve water and protect water quality within the District. The Mini-FARMS program is for farms less than 100 acres and has reimbursed growers up to 75 percent of project costs up to a maximum of \$5,000. This year the request includes increasing the \$5,000 cap to \$8,000. The Mini-FARMS program is managed by the Florida Department of Agriculture and Consumer Services (FDACS). FDACS works with local soil and water conservation districts and the University of Florida Institute for Food and Agricultural Sciences (IFAS) to promote the program. Since 2011 and through March 2017, a total of \$567,827 in total project costs are affiliated with the Mini-FARMS program compliments the FARMS program by assisting in the five FARMS goals: 1) Reduce groundwater use and/or improve surface water quality within the Shell, Prairie and Joshua Creek watersheds; 2) Reduce groundwater use and/or improve natural systems impacted by excess irrigation and surface water runoff within the Flatford Swamp region of the Upper Myakka River watershed; 3) Offset 40 million gallons per day (mgd) of groundwater within the Dover/Plant City Water Use Caution Area (DPCWUCA) by 2020; and 5) Prevent groundwater impacts within the northern springs coast area. These goals are critical in the District's overall strategy to manage water resources.
Description Description: Mini-FARMS compliments the Facilitating Agricultural Resource Mangement Systems (FARMS) program, which is a cost share reimbursement program for agricultural projects that conserve water and protect water quality within the District. The Mini-FARMS program is for farms less than 100 acres and has reimbursed growers up to 75 percent of project costs up to a maximum of \$5,000. This year the request includes increasing the \$5,000 cap to \$8,000. The Mini-FARMS program is managed by the Florida Department of Agriculture and Consumer Services (FDACS). FDACS works with local soil and water conservation districts and the University of Florida Institute for Food and Agricultural Sciences (IFAS) to promote the program. Since 2011 and through March 2017, a total of \$567,827 in total project costs are affiliated with the Mini-FARMS program, with \$381,130 reimbursed to growers. Benefit: The Mini-FARMS program compliments the FARMS program by assisting in the five FARMS goals: 1) Reduce groundwater use and/or improve surface water quality within the Shell, Prairie and Joshua Creek watersheds; 2) Reduce groundwater use and/or improve natural systems impacted by excess irrigation and surface water runoff within the Flatford Swamp region of the Upper Myakka River watershed; 3) Offset 40 million gallons per day (mgd) of groundwater within the Southern Water Use Caution Area (SWUCA) by 2025; 4) Reduce frost/freeze pumpage by 20% within the Dover/Plant City Water Use Caution Area (DPCWUCA) by 2020; and 5) Prevent groundwater impacts within the northern springs coast area. These goals are critical in the District's overall strategy to manage water resources.
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Cost: Total F Y2018 request: \$100,000 District: \$100,000
Evaluation
Resource Benefit: Best management practices reimbursed through the Mini-FARMS program have been shown to reduce groundwater use.
Cost Effectiveness: The maximum cost share amount available from the Mini-FARMS program in the past has been \$5,000 per project. This year it is requested that the maximum cost share amount available through Mini-FARMS program be increased to \$8,000 per project. The increase will serve several purposes: 1) to increase participation in the program, 2) to allow funding of more projects in the Central Florida Water Initiative (CFWI), and 3) to account for the increase in project costs due to technological advancements.
Project Readiness: Project is ongoing.
Strategic Goals
Strategic Initiatives: - Regional Water Supply Planning - Alternative Water Supplies - Conservation - Water Quality Maintenance and Improvement
Regional Priorities: - Improve northern coastal spring systems. - Ensure long-term sustainable water supply. - Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. - Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.
Additional Information
Additional Information: The strategic water conservation goal for agriculture in the CFWI is 4.3 million gallons per day (mgd). Lack of financial resources impeded the ability of agricultural producers to implement best management practices (BMPs), especially those practices that require significant up-front cost. This challenge is especially pronounced for small operations, which often face high per-acre implementation costs, as well as additional barriers on financing, making them a critical audience for water conservation programs in the region. The District has 2,049 water use permits in the the CFWI, of those 1,794 are less than 100,000 gallons per day (gpd) on small farms. The CFWI has some unique physiographic areas that limit the effectiveness and practicality of alternative water supply (AWS) to reduce Upper Floridan groundwater use. Within the CFWI, conservation is largely accomplished through precision irrigation with pump automation or irrigation conversions. Due to the project cost of precision irrigation and automation, and the vast number of small permits, Mini-FARMS is a perfect match to incentivize smaller operations to implement water saving BMPs.
Funding Source Prior EV2018 Requested Eutro Total
Ad Valorem Annual Request \$100,000 Annual Request \$100,000
Total Annual Request \$100,000 Annual Request \$100,000
Project No: H094

Risk Level: Type 3
Region: Heartland
Areas of Responsibility:
Description:
Benefit:
Cost:
Resource Benefit:
Cost Effectiveness:
Project Readiness:
Strategic Initiatives:
Regional Priorities:
Additional Information:
Funding Source
Ad Valorem
Total

Project No: B099	Quality of Water Improv	ement Program (QWIP) for	Plugging of Abandoned W	/ells
Risk Level: Type 1	Project Category: Well	Plugging		
Region: Southern				
Areas of Responsibility:	Water Supply:	Water Quality: X	Natural Systems:	Flood Protection:
		Description		
Description:	The FY2017-18 funding request is for the continuance of the District's Quality of Water Improvement Program (QWIP) which provides funding assistance to landowners for the proper abandonment of artesian wells. Pursuant to Florida Statutes. Ch. 373.206, any abandoned artesian well having a detrimental impact on the District's water resources must be properly plugged. The program reimburses landowners up to 100 percent of the well plugging costs in qualified counties. The maximum reimbursement per well is \$6,000, and the annual maximum per landowner is \$18,000. Approximately 200 wells are properly plugged each year. Over \$14 million has been reimbursed to landowners since the program's inception in 1974.			
Benefit:	The abandonment of well improperly constructed w insufficient casing depths and/or wasteful flow to the	s prevents the waste and cont ater wells. Multiple aquifers ca , waters of various qualities ar e surface.	tamination of potable water in become interconnected fi e allowed to mix, resulting i	from deteriorated or om deteriorated or n aquifer contamination
Cost:	Total FY2018 request: \$5 District: \$500,000	00,000		
	FY2018 funding will be used for: - District Grants: 200 well plug reimbursements to landowners (\$475,000) - Contracted Services for District Projects: Manatee and Sarasota County well abandonment oversight (\$25,000)			
		Evaluation		
Resource Benefit:	Many wells constructed before current well construction standards were established either do not have enough casing or have deteriorated casing that exposes several aquifers of varying water quality and pressures. This allows good water supplies to be contaminated or have uncontrolled water flowing out of the well at land surface, resulting in significant waste of water. The QWIP provides an incentive to landowners to plug abandoned artesian wells found on their properties which reduces cross connection of water quality between aquifers and wasted water			
Cost Effectiveness:	Plugging of poorly design to contaminated aquifers landowners to abandon th	ed and deteriorating wells will and saltwater intrusion. The C nese wells and protects water	prevent interconnection of a WIP reimbursement progra quality within potable aquife	aquifers which could lead m provides an incentive to ers.
Project Readiness:	This is an ongoing landow	vner reimbursement program t	hat will continue on Octobe	r 1, 2017.
		Strategic Goals		
Strategic Initiatives:	- Water Quality Maintenan	ce and Improvement		
Regional Priorities:	- Implement Southern Wat	er Use Caution Area (SWUCA) Recovery Strategy.	
		Additional Information		
Additional Information:		F		
Funding Occurs	Data	Funding	End-me	Total
Funding Source	Prior		Future	
Ad valorem	Annual Reque	St \$500,000	Annual Request	\$500,000
Total	Annual Reque	st \$500,000	Annual Request	\$500,000

Project No: P443	Dover & Plant City Autom	atic Meter Reading			
Risk Level: Type 1	Project Category: Water L	Jse Permitting			
Region: Tampa Bay					
Areas of Responsibility	Water Supply: X	Water Quality:	Natural Systems:	Flood Protection:	
		Description			
Description	The Dover/Plant City Water	Use Caution Area (DPCWL	JCA) was created in 2011.	These rules include water	
	withdrawal metering and rep bolders. Metering is require	porting requirements that the	e District will fund for existin	ig agricultural permit	
	Meter Reading (AMR) devic	ces are also required. This m	nay require up to 626 flow n	neters and 961 AMR	
	devices associated with 539	water use permits within the	e DPCWUCA. The installat	ion of flow meters is being	
	installation and can elect to	mbursement program where be reimbursed directly or ha	the permittee is responsible the reimbursement paid	e for the flow meter	
	contractor. The installation of	of AMR devices will be perfo	ormed directly by the Distric	t using contracted	
Donofit	services.	District to collect accurate	and the all success and data for		
Denent	DPCWUCA. This will ensure	e consistent data and elimin	ate the cost of programming	g the ePermitting system	
	to accept various data form	ats.	1 0		
Cost	Total project cost: \$4,897,7	743 I 601 405 hudgeted in prior v	waara \$206.248 requested	in EV2019 and no	
	anticipated future funds.				
	EV2040 funding will be used				
	- District Grants: Flowmete	r installation reimbursement	s (\$250.000)		
	- Contracted Services for D	District Projects: Meter opera	tion and maintenance (\$46	,248)	
	_	Evaluation			
Resource Benefit	This information will be used responsibilities, permit com	This information will be used by staff to make resource decisions related to water allocation, well mitigation responsibilities, permit compliance, and groundwater modeling.			
Cost Effectiveness	Funding request is consistent with established flow meter costs and estimated number of flow meters to be installed in FY2018.				
Project Readiness	This project is ongoing.				
		Strategic Goals			
Strategic Initiatives	- Regional Water Supply Pla	nning (MEL) Establishment and P			
Regional Priorities	- Finantia Flows and Levels	he water supply	ecovery		
Regional Thomas	- Implement Minimum Flow a	and Level (MFL) Recovery St	rategies.		
		Additional Information			
Additional Information	:				
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	\$4,601,495	\$296,248	\$0	\$4,897,743	
Total	\$4,601,495	\$296,248	\$0	\$4,897,743	

Project No: P259	Youth Water Resources E	ducation Program			
Risk Level: Type 1	Project Category: Educati	ion			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection: X	
		Description			
Description	E Each year, this program edu students and teachers in the field trip programs, teacher districts. The program also freshwater resources, such posttests confirm an averag	Each year, this program educates an estimated 240,000 students and teachers, representing a third of the students and teachers in the District, about freshwater resources through Splash! school grants, grade-level field trip programs, teacher trainings, the Envirothon and other hands-on programming in 15 county school districts. The program also offers additional educational resources to help increase students' knowledge of freshwater resources, such as publications, electronic teaching tools and water test kits. Project pre- and posttests confirm an average water resources knowledge gain of 31% in participating students.			
Benefit	This project helps fulfill the education under the Core B District's counties are educa incorporated District materia grants, field trips and educa not occur without this program incorporated in this program instilling in students at a you	This project helps fulfill the District's Strategic Plan, which includes engagement through outreach and education under the Core Business Processes. More than one-third of students and teachers in 15 of the District's counties are educated through the program. In eight of those counties, school districts have incorporated District materials into their curriculum, ensuring across-the-board student impacts. District grants, field trips and education materials are the catalyst for a level of water resources education that would not occur without this program. Also, research shows that hands-on learning experiences, like those incorporated in this program, are more likely to result in sustainable knowledge gain and behavior change by instilling in students at a young age the importance of water resources protection and conservation.			
Cost	 Total FY2018 request: \$54 District: \$548,525 FY2018 funding will be used District Grants: 15 county (\$530,000) Contracted Services for D 	Total FY2018 request: \$548,525 District: \$548,525 FY2018 funding will be used for: - District Grants: 15 county school district field trips and classroom water resource education for students (\$530,000) - Contracted Services for District Projects: Teacher training and curriculum tool development (\$18,525)			
Evaluation					
Resource Benefit:	it: Research shows that hands-on learning experiences, like those incorporated in this program, are more likely to result in sustainable knowledge gain and behavior change by instilling in students at a young age the importance of water resources protection and conservation. By promoting the conservation and protection of water resources, the District delays the need for initiating costly water resource development or restoration				
Cost Effectiveness	The annual cost and reach hour received of water reso	of this program averages ou urces education.	t to \$2.34 per student reach	ned and \$.76 per contact	
Project Readiness:	As this is an ongoing project fiscal year.	t, the proposed FY2018 proj	ect is ready for implementa	tion at the start of the	
		Strategic Goals			
Strategic Initiatives:	- Conservation - Water Quality Maintenance	and Improvement			
Regional Priorities:	Ensure long-term sustainable water supply. Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal. Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.				
Additional Information					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$548,525	Annual Request	\$548,525	
Total	Annual Request	\$548,525	Annual Request	\$548,525	

Project No: P268	Public Water Resources E	ducation Program			
Risk Level: Type 1	Project Category: Educati	on			
Region: Districtwide					
Areas of Responsibility:	Water Supply: X	Water Quality: X	Natural Systems: X	Flood Protection: X	
		Description			
Description:	This program educates the 2) Spanish translations for e	public about the District's co educational materials, and 3	ore mission through 1) decis) public service announcem	ion-maker water schools, ents through social media.	
Benefit:	This project helps fulfill the I education under the Core B community leaders, and oth and encourages improved p allows the District to send in platforms are used to comm	This project helps fulfill the District's Strategic Plan, which includes engagement through outreach and education under the Core Business Processes. Decision-maker water schools provide elected officials, community leaders, and other decision makers with factual information about their county's water resources and encourages improved public policy and decision making regarding water resource issues. Social media allows the District to send information to the public in a timely, cost-efficient way. The District's social media platforms are used to communicate the District's mission, goals and culture.			
Cost:	Total FY2018 request: \$8,000 District: \$8,000 FY2018 funding will be used for: - District Grants: Decision-maker water schools with government agencies (\$5,500) - Contracted Services for District Projects: Public service announcements and language translation (\$2,500)				
		Evaluation			
Resource Benefit:	By promoting the conservati costly water resource develo	By promoting the conservation and protection of water resources, the District delays the need for developing costly water resource development or restoration projects.			
Cost Effectiveness:	The bulk of funding in this p decision-maker water schoo the general public at a cost always positive and knowled 272,047 and the cost per rea	The bulk of funding in this project is allocated to decision-maker water schools. In FY2015, the decision-maker water schools educated 200 elected officials, municipal and county staff, stakeholders and the general public at a cost of \$27.50 per person or \$2.79 per contact hour. Participant evaluations are always positive and knowledge gains are self-reported. The total reach for paid social media in FY2016 was 272.047 and the cost per reach was less than one penny.			
Project Readiness:	As this is an ongoing project fiscal year.	As this is an ongoing project, the proposed FY2018 project is ready for implementation at the start of the fiscal year.			
		Strategic Goals			
Strategic Initiatives:	- Conservation				
Regional Priorities:	 Improve northern coastal sp Ensure long-term sustainable 	oring systems. ble water supply.			
		Additional Information			
Additional Information:					
		Funding			
Funding Source	Prior	FY2018 Requested	Future	Total	
Ad Valorem	Annual Request	\$8,000	Annual Request	\$8,000	
Total	Annual Request	\$8,000	Annual Request	\$8,000	

Project:	Florida Forever W	ork Plan Land Purchas	es		
Project Type:	Lands Acquired t	Lands Acquired through the Florida Forever Program			
Physical Location:	District's 16-Cour	ity Region			
Physical Description:	To Be Determined	1			
Projected Completion Date:	Ongoing				
	_	Description			
Background:	The District has recognized land acquisition as one of its primary tools for achieving its statutory responsibilities. Section 373.139, Florida Statutes, authorizes the District to acquire fee simple or less-than-fee interests to the lands necessary for flood control, water storage, water management, conservation and protection of water resources, aquifer recharge, water resource and water supply development, and preservation of wetlands, streams and lakes. The District purchases land and interests in land through fee simple land acquisition and acquisition of less-than-fee simple interests (e.g., conservation easements) under the State's Florida Forever program. The Florida Forever program provides funding for land acquisition and capital improvements to state agencies, the water management districts (WMDs) and local governments. The authorized uses for the Florida Forever Trust Fund (FFTF) for the WMDs include land acquisition, the Surface Water Improvement and Management (SWIM) program, water resource development, and regional water supply development and restoration. An important aspect to the WMDs expenditures of Florida Forever funds is that at least 50 percent of the allocation from the FFTF must be spent on land acquisition. It is projected that the District will have an estimated \$11.2 million available in prior year funds for land acquisitions (fee or less-than-fee) under the Florida Forever program. This includes \$4.3 million of prior year allocations held by the State of Florida in the FFTF. The release of these funds is subject to approval by the Florida Department of Environmental Protection. The remaining \$6.9 million is held in the District's investment accounts. These funds were generated from the sale of land or real estate interests				
Alternative(s):	The alternatives to would be to place a these alternatives a	purchasing necessary lan additional regulations and are not within the District's	nd or interests to achieve restrictions on lands request authority.	statutory responsibilities uiring protection. Many of	
		Cost			
Basic Construction Costs:	No construction co	sts are associated with th	is request.		
Other Project Costs:	For FY2018, \$10.9 million is budgeted for land acquisition and \$300,000 is included for associated ancillary costs such as appraisals, title insurance, environmental site assessments, and documentary stamps. No funding is currently projected for land acquisition and associated ancillary costs from FY2019 through FY2022.				
		Funding			
FY2018 Requested I	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$11,200,000	\$0	\$0	\$0	\$0	

Project:	Data Collection S	te Acquisitions			
Project Type:	Land and Interest	s in Land Acquired for I	Data Collection Sites		
Physical Location:	District's 16-Cour	ty Region			
Physical Description:	To Be Determined	l			
Projected Completion Date	: Ongoing	Ongoing			
		Description			
Background:	The District acquire groundwater sustai sites necessary to District relies upon levels and water qu utilized for a large water intrusion and establish and modi of the Floridan and District computer m	The District acquires perpetual easements, as well as new sites, for sites necessary to assess groundwater sustainability and development of water supply solutions and to preserve existing sites necessary to construct a Districtwide network of groundwater monitoring wells. The District relies upon a network of groundwater monitor wells to provide information on water levels and water quality of various aquifer systems. The data obtained from these wells is utilized for a large variety of tasks including potentiometric surface map construction, salt water intrusion and other contaminant status reporting, site specific project work, efforts to establish and modify minimum levels, and assessment of current water supplies. Regulation of the Floridan and the intermediate aquifers depend on the data collected from these sites. District computer models also rely heavily on water level information.			
Alternative(s):	An alternative to ob Flows and Minimur critical for performa would be to obtain site is generally low to have some form addition, the hetero allow for a good co	An alternative to obtaining permanent easement for key well sites that are used for Minimum Flows and Minimum Water Levels (MFLs) and have an extensive history of data collection critical for performance monitoring of the MFLs program, as well as other District initiatives would be to obtain new sites. The cost to obtain a permanent easement on an existing well site is generally lower than the cost to replace that well site because the new site will still need to have some form of title interest, including well construction costs to replace the wells. In addition, the heterogeneity of the aquifer systems might impact the new well location and not			
		Cost			
Basic Construction Costs:	No construction co	sts are associated with th	is request.		
Other Project Costs:	For FY2018, \$70,000 is budgeted for acquisition of perpetual easements in support of the District's network of groundwater monitoring wells. In addition, \$124,000 is budgeted for associated ancillary costs such as appraisals, title insurance, environmental site assessments, and documentary stamps. It is projected that the same level of funding of \$194,000 will be requested from FY2019 through FY2022. Funding for future years pending Governing Board approval through the				
		Funding			
FY2018 Requested	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$194,000	\$194,000	\$194,000	\$194,000	\$194,000	

Project:	Districtwide Roof Projects	and HVAC Replacemen	t, Facility Capital Renov	ation, and Pavement	
Project Type:	Repairs and Reno	vations			
Physical Location:	Brooksville, Tamp	a, Sarasota and Lake H	ancock Offices		
Physical Description:	Repairs and Reno	vations as Required			
Projected Completion Date:	Ongoing				
	,	Description			
Background:	Starting in FY2002, replacement and re (HVAC) systems to improvements, HV/ building improvements will meet U.S. Gree Design (LEED) initi footprint.	the Governing Board cre pair of the District facility be capitalized. Staff has AC system replacements, ents and minimizes the op in Building Council's (USC atives for reducing energy	ated an ongoing program roofs, heating, ventilation developed a multi-year s and renovation projects v portunity for building dam GBC) Leadership in Energy consumption which will r	to invest in the , and air conditioning chedule for roof which allows planning for hage. The HVAC system gy and Environmental reduce the carbon	
	The District current driveway pavement management syste engineering firm to that preventative m paved surfaces by depressions and po in-depth recycling of condition of the exist	ly owns and maintains ov at its four office locations ms represent a significant conduct an inventory and aintenance treatment wout approximately seven to te otholes, double micro surf of existing pavement and us sting asphalt.	er 781,000 square feet of s. This pavement and the t capital investment. The inspection of these areas uld need to be performed en years. This work will ind acing and crack sealing, a new hot mix pavement de	parking lot and associated stormwater District hired an s. The inspection found to extend the life of the clude repairs of and applied cold pending on the	
Alternative(s):	If the Districtwide ro projects are not fun as additional mainte operative order. No conditions requiring expanded pavemen roof and HVAC rep in a proactive effort equipment and mat	If the Districtwide roof and HVAC replacement, facility capital renovation, and pavement projects are not funded, the facilities maintenance costs are expected to increase significantly as additional maintenance activities are required to prevent leaks and keep facilities in an operative order. Not funding the projects would allow for degraded and deteriorated conditions requiring extensive restoration, such as moisture damage to buildings and expanded pavement cracks, resulting in higher costs than currently proposed. Districtwide roof and HVAC replacement, facility capital renovation, and pavement projects are prioritized in a proactive effort to avoid damage and unnecessary costs while maximizing the life of the activity proposed.			
	-	Cost			
Basic Construction Costs:	Available pricing in 2017 is used for budget planning purposes. Projects are to be funded and completed pending Governing Board approval through the annual budget process. Funding for future years pending Governing Board approval through the annual budget process. FY2018 - Capital Renovations (\$180,000) - Pavement Repair/Resurfacing (\$429,100) * The balance of \$150,000 to be allocated to future projects as identified. FY2019 - Pavement Repair/Resurfacing (\$50,000) - HVAC Replacements (\$193,500) * The balance of \$150,000 to be allocated to future projects as identified. FY2020 - HVAC Replacements (\$324,400) * The balance of \$150,000 to be allocated to future projects as identified. FY2021 - HVAC Replacements (\$324,400) * The balance of \$150,000 to be allocated to future projects as identified. FY2021 - HVAC Replacements (\$148,900) * The balance of \$150,000 to be allocated to future projects as identified. FY2022				
Other Project Costs:	To be determined				
		Funding			
FY2018	FY2019	FY2020	FY2021	FY2022	
Requested F	uture Funding	Future Funding	Future Funding	Future Funding	
\$759,100	\$393,500	\$474,400	\$298,900	\$494,000	

Project:	Thirteen-Mile Run	Structure System Repla	acement		
Project Type:	Structure Replace	Structure Replacements/Major Refurbishments			
Physical Location:	Hillsborough Cou	nty at Lake Kell, Keene,	Hanna, and Stemper		
Physical Description:	Seven District-ow	ned Water Conservatior	n Structures		
Projected Completion Date	: 09/2022				
		Description			
Background:	There are eight Dis watershed, located concerns, the Distr guidelines. As a res Thirteen-Mile Run consideration repor and lake residents' The testing include Lakes Hanna and S finalized operation operational require the number of man	watershed, located in Hillsborough County. In 2010, in direct response to lake residents' concerns, the District began a re-evaluation process of the system's structure operation guidelines. As a result, the District, cooperatively with the County, commissioned a study titled Thirteen-Mile Run Control Structure Operations Assessment project. In 2012, after taking into consideration report results, Minimum Flows and Minimum Water Levels (MFLs) requirements and lake residents' requests, a draft operational guideline was completed and testing began. The testing included a temporary water control structure placed in the conveyance between Lakes Hanna and Stemper. In 2014, after peer review and public evaluation, the District finalized operation guidelines for the Thirteen-Mile Run structures. In order to meet the operational requirements of the approved guidelines, there has been a dramatic increase in the number of manual gate operations.			
	These water control frame with channel inches in width and two Structure Oper water levels can or operations requirer to enter the convey these stop log struct	These water control structures are manual stop log structures which consist of a concrete frame with channel iron inserts, into which wood boards are inserted. These boards are six inches in width and approximately 12 feet in length. The operation of such a structure requires two Structure Operations personnel to remove or insert boards. The boards often leak and water levels can only be adjusted in six inch increments, making it difficult to accurately meet operations requirements. Manually removing 12 foot boards often involves personnel having to enter the conveyance. During high water events this is a safety risk. The replacement of these stop log structures reduces risks to personnel.			
	Replacement of the wooden board structures will ensure the District's ability to meet the requirements of the structure operation guidelines, guaranteeing more accurate and timely water level adjustments. During high volume rain events this will allow the District to aid lake residents in reducing the frequency of flooding. There would be a reduction in the need for site visits, as the replacement gates would allow for fewer adjustments, directly reducing operational costs (e.g., 89 manual gate operations made during the rainy season of 2014).				
Alternative(s):	The alternative wou manual operations	uld be to keep the structur and improved safety risks	es as is, yielding no bene discussed above.	efits to the reduction of	
		Cost			
Basic Construction Costs:	The estimated cost to replace all eight water conservation structures is \$1,216,000. Funding for future years pending Governing Board approval through the annual budget process. FY2016 - \$86,000: Design of Lake Hanna and Stemper FY2018 - \$250,000: Final design, permitting, and start of construction of Lake Hanna; final design of Stemper FY2019 - \$350,000: Final design, permitting of Keene II and Nettles; complete construction of Lake Hanna and Stemper FY2020 - \$250,000: Final design, permitting of Keene I, Sherry's Brook and Keene 3; construction of Keene II and Nettles FY2021 - \$280,000: Construction of Keene I. Sherry's Brook and Keene 3				
Other Project Costs:	No other project co	sts associated with this re	equest have been identifie	ed.	
		Funding			
FY2018 Requested	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$250,000	\$350,000	\$250,000	\$280,000	\$0	

Project:	Programmable Lo	ogic Controller (PLC) Up	grades on Structures		
Project Type:	Structure Enhanc	ements			
Physical Location:	Remotely Operab	le Structures in District'	s 16-County Region		
Physical Description:	District-owned Fl	ood Control and Water (Conservation Structures	5	
Projected Completion Date	: 09/2020				
		Description			
Background:	PLC and communi eventual automatic addition, these upg fuel levels, and em	cation upgrades allow bet on of selected systems, wi grades will reduce employ ergency generators.	ter control of structures for nich is an objective of Stru ee trips to structures to m	or data collection and ucture Operations. In nonitor battery condition,	
	System controls int liquefied petroleum lowering maintenar operated, and allow of Internet Protoco Some structures m panels, and Super- the type and condir accomplish the imp to view the new da Many structures im communication dev each fiscal year.	System controls information, including emergency generator run control, battery voltage, and liquefied petroleum (LP) gas levels, assists Structure Operations in conserving fuel and lowering maintenance costs by shutting down generators when the structure is not being operated, and allows the ability to store data used during automatic operations. Also, addition of Internet Protocol (IP) modems improves the reliability of the communication systems. Some structures may require new PLC, new modems, improved programming, new electrical panels, and Supervisory Control And Data Acquisition (SCADA) programming. Depending on the type and condition of the structure, different components may need to be replaced to accomplish the improved operation and monitoring. SCADA screen changes may be needed to view the new data that will be accessible with these upgrades.			
Alternative(s):	The alternative wor manual operations	uld be to keep the structur and improved safety risks	res as is, yielding no bene s discussed above.	efits to the reduction of	
		Cost			
Basic Construction Costs:	The estimated cost \$400,000. Funding Governing Board a	The estimated cost of the purchase and installation of equipment for PLC upgrades is \$400,000. Funding for the project described below. Funding for future years pending Governing Board approval through the annual budget process.			
	FY2017 - \$100,000 FY2018 - \$100,000 FY2019 - \$100,000 FY2020 - \$100,000	FY2017 - \$100,000 FY2018 - \$100,000 FY2019 - \$100,000			
Other Project Costs:	No other project co	osts associated with this re	equest have been identifie	ed.	
		Funding			
FY2018	FY2019	FY2020	FY2021	FY2022	
Requested	Future Funding	Future Funding	Future Funding	Future Funding	
\$100,000	\$100,000	\$100,000	\$0	\$0	

Project:	Flood Gate Refur	oishment Program		
Project Type:	Structure Refurbis	shments/Repairs		
Physical Location:	S551, S162, Leslie	e Heffner, Bryant Slough	and Structures on Tan	npa Bypass Canal
Physical Description:	District-owned Flo	ood Control Structures		
Projected Completion Date:	Ongoing			
	1	Description		
Background:	Major flood control gates are subject to corrosion when submerged in water. Several structures are located in canals that are directly connected to salt water; therefore, are subject to environments that accelerate corrosion. The Major Flood Gate Refurbishment program extends the life of these critical flood control structures by repairing corrosion and adding protective coatings. Also, the program takes advantage of modern materials and technologies that aid in the effort of extending the life of the structures. Services such as gate removal, sandblasting, repairs, and refinishing are contracted for the refurbishment of the gates. As well as refurbishment of lift mechanisms, when necessary, which includes cables, pulleys, wheels, gate opening sensor, replacing hydraulic oil, electronic equipment connected to the gates. and grounding hardware.			
Alternative(s):	The alternative is to delay repairs which could result in additional costs due to the age of the structures.			
		Cost		
Basic Construction Costs:	The estimated cost over the next five years for refurbishments to major flood control gates including removal, sandblasting, repairs, and refinishing are described below. Funding for future years pending Governing Board approval through the annual budget process. FY2018: \$600,000: S551 one gate, S162 (2 out of 7 gates); Leslie Heffner; Bryant Slough FY2019: \$400,000: S162 (2 out of 7 gates) FY2020: \$400,000: S162 (2 out of 7 gates) FY2021: \$400,000: S162 (1 out of 7 gates) FY2021: \$400,			
Other Project Costs:	No other project co	sts associated with this re	equest have been identifie	ed.
		Funding		
FY2018 Requested F	FY2019 uture Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding
\$600,000	\$400,000	\$400,000	\$400,000	\$400,000

Project:	Structure Hydraul	ic Cylinders/Actuator R	efurbishment Program		
Project Type:	Structure Refurbis	Structure Refurbishments/Repairs			
Physical Location:	To Be Determined	To Be Determined			
Physical Description:	District-owned Flo	District-owned Flood Control Structures			
Projected Completion Date	: Ongoing	Ongoing			
		Description			
Background:	The major flood co several cylinders th schedule for refurb required operation. corrosion when in t salt water; therefore conservation struct need to be replace of the electrical cor - Hydraulic cylinder reservoir, piping, va - Removal and inst - Stop log installatio - New hydraulic oil; - New electric actua - Lifting shafts and	The major flood control gates are operated by hydraulic lift cylinders. Every year there are several cylinders that need to be refurbished. These cylinders are placed on a regular schedule for refurbishing and are done on a maintenance schedule to prevent failure during required operation. Major flood control lift cylinders, couplings and shafts are subject to corrosion when in the water. Several structures are located in canals directly connected to salt water; therefore, are subject to environments that accelerate corrosion. Also, most water conservation structures have electric lift mechanisms/actuators. Typically these actuators need to be replaced rather than repaired and are subject to lightning strikes, reducing the life of the electrical components. Repairs can include: - Hydraulic cylinder refurbishment/component replacements (e.g., hydraulic pumps, motors, reservoir, piping, valves); - Removal and installation of the components; - Stop log installation and removal; - New hydraulic oil; - New electric actuators or electrical components within actuators; and			
Alternative(s):	The alternative is to structures.	o delay repairs which coul	d result in additional cost	s due to the age of the	
		Cost			
Basic Construction Costs:	Annually, \$100,000 at District structure structures, the cost cylinders failing. F annual budget proc	Annually, \$100,000 is requested for regular scheduled hydraulic cylinder/actuator refurbishing at District structures and electric actuator replacement or repair. Due to the age of the structures, the cost of each refurbished cylinder is increasing as well as the number of cylinders failing. Funding for future years pending Governing Board approval through the annual budget process.			
Other Project Costs:	No other project co	sts associated with this re	equest have been identifie	ed.	
		Funding			
FY2018 Requested	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	

Project:	Tampa Bypass Canal Weir Gate Remote Operation			
Project Type:	Structure Enhancements			
Physical Location:	Tampa Bypass Canal; Structures S160, S161 and S162			
Physical Description:	Nine weir gates o	n the three structures o	f the Tampa Bypass Ca	nal
Projected Completion Date:	09/2019			
		Description		
Background:	The Tampa Bypass Canal gates have large upward opening gates for flood control. Each gate has several manual weir (downward opening) gates for control of water levels during non-flooding. Four of these gates are controlled remotely by Tampa Bay Water. The remaining gates are manually operated gates, causing it to be difficult at times to maintain water elevations. Remote operation of these weir gates will reduce the need to operate the large gates as often; reducing the cost of operating. Nine manual gates are to be changed to remote operating gates. It is proposed that Tampa Bay Water operate all weir gates.			
Alternative(s):	The alternative would be to keep the structures as is, yielding no benefits to the reduction of manual operations discussed above.			
Cost				
Basic Construction Costs:	The estimated cost of the project is \$500,000. Funding for the project described below. Funding for future years pending Governing Board approval through the annual budget process. FY2018 - \$200,000: Design, permitting and start of construction FY2019 - \$300,000: Completion of construction			
Other Project Costs:	No other project costs associated with this request have been identified			
Funding				
FY2018 Requested F	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding
\$200,000	\$300,000	\$0	\$0	\$0

Project:	Manatee Protection Systems at Lake Tarpon and Tampa Bypass Canal				
Project Type:	Structure Enhancements				
Physical Location:	Lake Tarpon, Pinellas County and Rocky Creek Watershed system; and Tampa Bypass Canal Structure S160				
Physical Description:	Four gated structure at the outfall of Lake Tarpon controlling lake level and providing flood protection. Tampa Bypass Canal Structure S160.				
Projected Completion Date:	09/2022				
		Description			
Background:	Lake Tarpon structure S-551 controls the lake level and discharges to Safety Harbor through a 3.4 mile canal. Normally this structure is only open when the water level upstream of the structure is higher than downstream. At high tide, the District does not discharge water when tide or storm surge drives the downstream level higher than the upstream, so manatees do not typically become caught in gate when it is closing. However, at high tidal surge manatees have entered the lake through the structure. When the temperatures cool, the manatees can become stressed and require rescue. In 2016 three manatees required rescue. The United States Army Corps of Engineers (USACE) has notified the District that an updated operating manual for the structure will require the District to change its operations for protection of the manatees, and the Florida Fish and Wildlife has requested the District install manatee protection systems. There are several barriers being tested at St. Johns River and South Florida Water Management Districts, but require weekly cleaning. Other deterrents are under trial with no results available at this time. A thorough analysis will be done to choose and customize a design to test on Lake Tarpon. Once the manatee barriers are tested on the Lake Tarpon structure, installation can be planned on the S160 Tampa Bypass Canal structure.				
Alternative(s):	The alternative would be to keep the structure as is, yielding no manatee protection benefits				
Cost					
Basic Construction Costs:	The estimated cost is for design, permitting, and construction of manatee protection systems is \$650,000. These systems are in use at other Districts. There are several designs available that must be modified for Lake Tarpon and Tampa Bypass Canal. Future funding may be needed for more active systems such as grates. Funding for future years pending Governing Board approval through the annual budget process. FY2018 - \$150,000 for design phase and installation of pressure sensors on two gates at Lake Tarpon FY2019 - \$100,000 for installation on four gates at Lake Tarpon and installation of one barrier at Lake Tarpon FY2020- \$100,000 for installation of barrier or other deterrent on Lake Tarpon FY2021 - \$200,000 for completion of Lake Tarpon barrier				
Other Preiset Casta	FY2022 - \$100,000 for installation of system on one gate at Tampa Bypass Canal				
			equest have been identifie	eu.	
EV2040	EV2040	Funding	EV2024	EV2022	
Requested F	Future Funding	Future Funding	F12021 Future Funding	Fizu22 Future Funding	
\$150,000	\$100,000	\$200,000	\$100,000	\$100,000	

Project:	Lake Bay Water Conservation Structure Replacement				
Project Type:	Structure Replacements/Major Refurbishments				
Physical Location:	Hillsborough County				
Physical Description:	Lake Bay structure in Hillsborough County is a two-gated structure controlling lake levels.				
Projected Completion Date:	09/2018	09/2018			
		Description			
Background:	Lake Bay's current operable gated structure was constructed in 1990. The structure consists of two steel gates, each 9 feet wide by 2 feet high, which are mounted to a headwall that joins retaining walls. The gates are accessed for maintenance by a walkway mounted downstream of the structure. The older steel is showing signs of rust and frequently binds during remote operation requiring staff to manually operate the gate to free it. In addition, the concrete structure is showing corrosion due to turbulent water flow. This project with replace the existing gates with lighter aluminum gates that have corrosion resistent guides to prevent binding. The concrete will be repaired or replaced if needed.				
Alternative(s):	The alternative would be to keep the structure as is, yielding no benefits to the reduction of maintenance costs.				
Cost					
Basic Construction Costs:	The estimated cost of design and construction for this project is \$200,000.				
Other Project Costs:	No other project costs associated with this request have been identified.				
Funding					
FY2018 Requested F	FY2019 uture Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$200,000	\$0	\$0	\$0	\$0	

Project:	Structure S-159 M	Structure S-159 Major Repairs			
Project Type:	Structure Refurbi	Structure Refurbishments/Repairs			
Physical Location:	Hillsborough Cou	Hillsborough County, Tampa Bypass Canal Structure S-159			
Physical Description:	Single structure v Bypass Canal	Single structure with three hydraulic gates located at the floodway of the Tampa Bypass Canal			
Projected Completion Date	: 06/2019				
		Description			
Background:	The Lower Hillsbor were constructed b flooding in the Tam to move from the L reinforced concrete operates three stee pilings. Reinforced service bridge. For operating platform water to seep throu an issue to monitor the rate of the wate foundation. Previo need of repair. The will prevent further necessary floodwar	The Lower Hillsborough Flood Detention Area (LHFDA) and the Tampa Bypass Canal (TBC) were constructed by the United States Army Corps of Engineers (USACE) in 1981 to alleviate flooding in the Tampa area. S-159 is the structure at the head of the TBC which allows water to move from the LHFDA to the TBC and out to the Palm River. S-159 is a three-bay reinforced concrete ogee weir structure with hydraulically-powered hoist machinery that operates three steel vertical-lift gates. The structure is founded over concrete-filled steel pipe pilings. Reinforced concrete end abutments and two piers support a reinforced concrete slab service bridge. Four columns extend up from the abutments and piers to support the operating platform and the gate hoists. The sheetpiling/concrete walls have shifted causing water to seep through the concrete joints. This has been noted in the USACE inspections as an issue to monitor and repair. At the downstream side of the spillway, dissipation blocks slow the rate of the water entering the canal, reducing turbulance that could damage the foundation. Previous underwater inspections have shown that these blocks are eroded and in need of repair. The project is to design repair of the wingwalls and dissipation blocks which will prevent further damage that could impair the ability of the structure to convey the paceescapy floodwater.			
Alternative(s):	The alternative wor	The alternative would be to keep the structure as is, yielding no improvement to the useful life of the structure			
Cost					
Basic Construction Costs:	The estimated cost the geotechnical in created.	The estimated cost of this project is \$110,000. Future funding needs will be identified once the geotechnical investigation and design phases are complete and a full cost estimate can be created.			
Other Project Costs:	No other project co	No other project costs associated with this request have been identified.			
Funding					
FY2018 Requested	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$110,000	\$0	\$0	\$0	\$0	

Project:	Wysong Water Conservation Structure Refurbishment				
Project Type:	Structure Replacements/Major Refurbishments				
Physical Location:	Wysong Dam stru	Wysong Dam structure located on the Withlacoochee River in Citrus County			
Physical Description:	Wysong Dam				
Projected Completion Date:	06/2020				
		Description			
Background:	The dam is essentially an adjustable-crest weir located in the Withlacoochee River. It is raised or lowered as needed to set overflow elevations in order to maintain an optimum upstream water level in the river. The existing dam configuration was built in 1990 and consists of air bags that raise and lower the steel gates. The air bags are leaking, requiring daily filling by the compressor located in the control room. Also, the steel gates are showing signs of severe corrosion. The gates are constructed of galvanized steel, but the coating has corroded away. This project will develop a dewatering and repair plan, design, and construction of the repairs.				
Alternative(s):	The alternative would be to do nothing and leave the structure as is, risking failure of the lift system and the inability to control elevations. There would be no increase in the life of the structure.				
Cost					
Basic Construction Costs:	The estimated cost of the project is \$780,000. Funding for future years pending Governing Board approval through the annual budget process. FY2018 - \$70,000: Investigation and design of the repairs FY2019 - \$800,000: Construction				
Other Project Costs:	No other project costs associated with this request have been identified.				
Funding					
FY2018 Requested	FY2019 Future Funding	FY2020 Future Funding	FY2021 Future Funding	FY2022 Future Funding	
\$70,000	\$800,000	\$0	\$0	\$0	

Project:	Aquifer Exploration and Monitor Well Drilling Program				
Project Type:	Monitor Well Con	Monitor Well Construction and Associated Activities			
Physical Location:	District's 16-County Region				
Physical Description:	Monitor Wells				
Projected Completion Date:	Ongoing	Ongoing			
		Description			
Background:	This an ongoing project for coring, drilling, testing, and construction of monitor wells at Regional Observation and Monitor well Program (ROMP) sites and special project sites including the Central Florida Water Initiative (CFWI) region. The ROMP was established in 1974 to construct a District wide network of groundwater monitoring wells to provide key information concerning existing hydrologic conditions of groundwater sources (s. 373.145 Florida Statutes). In recent years, the ROMP has expanded to include the drilling and construction (and associated data collection activities) of numerous wells associated with key special projects such as the Northern Tampa Bay Water Use Caution Area wellfield recovery monitoring, the Northern Water Resources Assessment Project, and the Southern Water Use Caution Area and the Central Florida Water Initiative. Exploratory drilling and intensive data collection efforts are performed by District staff and well construction is generally performed under contract with outside vendors. Drilling and testing will be performed at key well sites to characterize the hydrogeology from land surface to the salt water interface or base of the potable aquifer zone within the Upper Floridan aquifer. Certain sites will also include exploratory data collection activities to characterize the middle confining units and Lower Floridan aquifers. Each well site will have permanent monitor wells installed into the surficial, intermediate, Upper Floridan and Lower Floridan aquifers, as needed. In addition, most well sites will have temporary observation wells installed for conducting aquifer performance tests. The data collected during construction of the well sites will be used in numerous District projects including: models for water supply development, rulemaking for minimum flows and levels. and long term water level and water quality monitoring.				
Alternative(s):	The benefits of usin District to own and	The benefits of using contracted well construction services include eliminating the need for the District to own and maintain equipment and increase staffing to perform services.			
Cost					
Basic Construction Costs:	The estimated cost of contracted well construction and related activities are described below. This includes contracted well construction of permanent and temporary wells and associated materials such as casings and cement associated with Upper Floridan and Lower Floridan aquifers, wetland and lake monitoring. FY2018 - \$565,659 FY2019 - \$1,890,184 FY2020 - \$902,597 FY2021 - \$557,298 FY2022 - \$653,500				
	process.				
Other Project Costs:	No other project costs associated with this request have been identified.				
	Funding				
Requested F	FY2019 Future Fundina	FY2020 Future Fundina	FY2021 Future Fundina	FY2022 Future Fundina	
\$565,659	\$1,890,184	\$902,597	\$557,298	\$653,500	

