SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY2019 Cooperative Funding Initiative

Recommended Project

Evaluations and Rankings



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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Northern Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings



Project No. N873	WMP - Cha	WMP - Chassahowitzka River Watershed Management Plan						
Citrus County						FY2019		
Risk Level:	Type 4			Multi-Year (Contract:			
				Yes, Year 2	of 4			
			Descri	ption				
Description:	Complete	a Watershed N	Aanagement P	lan (WMP) ir	cluding floodplain analys	is, Stormwater		
	Level of Se	ervice analysis	s (LOS), Surfac	ce Water Res	ource Assessment (SWR	A), and Best		
	Managem	ent Practice (E	MP) alternativ	e for the Cha	ssahowitzka River Water	shed in Citrus		
	County. F	Y2019 funding	will be utilized	to complete	the Watershed Evaluation	n phase and start		
Maaaurahia Darafitu	the floodpl	ain analysis p	hase of the pro	oject.				
Measurable Benefit:	The Meas	urable Benefit	will be the con	npletion of a	WIMP that will develop be	tter floodplain		
	informatio	n and impleme	nt noodplain n	nanagement	programs to maintain stor	age and		
Costs				laye.				
00313.	Citrus Cor	intv share \$46	2 500					
	District \$4	62.500 with \$1	00.000 budae	ted in previou	us vears. \$150.000 reque	sted in FY2019 and		
	\$212,500	anticipated to	be requested in	n future years	S.			
			Evalua	ation				
Application Quality:	High	Application in	cluded all the	required info	mation identified in the C	FI Guidelines.		
Project Benefit:	High	The WMP wil	l analyze flood	ing problems	that exist in the watershe	ed. Currently, flood		
		analysis mod	els are not ava	ailable or are	over 10 years old, and the	e 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 /						
		sq mi) for WMPs completed in rural watersheds.						
Past Performance:	High	High 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	Project is ong	joing and on s	chedule.				
Strategic Goals								
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	ent programs, p	projects and r	egulations to maintain an	d improve water		
		quality.	tiativo - Elood	nlain Manag	omont: Develop better flo	odolain		
		information a	and implement	floodplain m	anagement programs to r	naintain storage and		
		convevance	and to minimiz	e flood dama	anagement programe to r			
					0			
		Overa	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project ide	ntifies flood ris	k in an area v	with no detailed study info	rmation available.		
	The result	ing product wi	II be utilized for	r flood zone o	determination, help impler	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.						
			Fund	ling				
Funding Source	P	rior	FY20	19	Future	Total		
District		\$100,000		\$150,000	\$212,500	\$462,500		
Citrus County		\$100,000		\$150,000	\$212,500	\$462,500		
Total		\$200,000		\$300,000	\$425,000	\$925,000		

Project No. N891	WMP - Nor	WMP - North Citrus Withlacoochee River Watershed Management Plan						
Citrus County						FY2019		
Risk Level:	Type 4			Multi-Year	Contract:			
				Yes, Year 2	of 3			
			Descri	ption				
Description:	Complete	a Watershed N	Management P	lan (WMP) ir	ncluding floodplain analys	is, Stormwater		
	Level of S	ervice analysis	s (LOS), Surfac	ce Water Res	ource Assessment (SWR	A), and Best		
	Managem	ent Practice (E	MP) alternativ	e for the Nor	th Citrus Withlacoochee F	River Watershed in		
	Citrus Cou	inty. FY2019 f	unding will be u	utilized to cor	nplete the Watershed Eva	aluation phase and		
Maaaurahia Darafitu	start the flo	oodplain analy	sis phase of th	e project.				
Measurable Benefit:	I ne Meas	urable Benefit	will be the con	npletion of a	WMP that will develop be	tter floodplain		
	Informatio	n and impleme	nt noodplain n	nanagement	programs to maintain stor	age and		
Costs				laye.				
00313.	Citrus Cor	intv share \$41	2 500					
	District \$4	12.500 with \$1	50.000 budge	ted in previou	us vears. \$150.000 reque	sted in FY2019 and		
	\$112,500	anticipated to I	be requested in	n future years	S.			
			Evalua	ation				
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	The WMP wil	l analyze flood	ing problems	that exist in the watershe	ed. Currently, flood		
		analysis mod	els are not ava	ailable or are	over 10 years old, and the	e watershed includes		
		regional or intermediate stormwater systems.						
Cost Effectiveness:	Medium	Vedium Project cost per square mile is in the mid-range of historic costs (\$20,001 to \$30,000 /						
		sq mi) for WMPs completed in rural watersheds.						
Past Performance:	High	High Based on an assessment of the schedule and budget for the 4 ongoing projects.						
Complementary Efforts:	Hign	Cooperator's		ating System	class is 5 and is in the 5	or better range.		
Project Readiness:	High	Project is ong	joing and on so	chedule.				
			Strategic	: Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	ent programs, p	projects and i	regulations to maintain an	d improve water		
		Strategic Ini	tiative - Flood	nlain Manao	ement: Develop better flo	odnlain		
		information a	and implement	floodplain m	anagement programs to r	naintain storage and		
		conveyance	and to minimiz	e flood dama	anegement programe to r			
					0			
		Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project ide	ntifies flood ris	k in an area v	with no detailed study info	rmation available.		
	The resulting product will be utilized for flood zone determination, help implement solutions that							
	alleviate flood risk and improve water quality, and enhance the planning of future development in							
	the projec	t area.						
		-	Fund	ing				
Funding Source	P	rior	FY20	19	Future	Total		
		\$150,000		\$150,000	\$112,500	\$412,500		
Citrus County		\$150,000		\$150,000	\$112,500	\$412,500		
Total		\$300,000		\$300,000	\$225,000	\$825,000		

Project No. N919	WMP - Litt	WMP - Little Jones Creek Watershed Management Plan						
Sumter County						FY2019		
Risk Level:	Type 4			Multi-Year C	Contract:			
				Yes, Year 2	of 3			
			Descri	iption				
Description:	Complete	a Watershed N	/anagement F	Plan (WMP) in	cluding floodplain analysi	is, Stormwater		
	Level of S	ervice analysis	s (LOS), Surfa	ce Water Res	ource Assessment (SWR	A), and Best		
	Managem	ent Practice (E	MP) alternativ	e for the Little	e Jones Creek Watershed	I in Sumter County.		
	FY2019 fu	Inding will be u	tilized to comp	plete the Wate	ershed Evaluation phase a	and start the		
	floodplain	dplain analysis phase of the project.						
Measurable Benefit:	The Meas	urable Benefit	will be comple	etion of a WM	P that will develop better	floodplain		
	informatio	n and impleme	ent floodplain r	management	programs to maintain stor	age and		
	conveyan	ce and to minir	nize flood dan	nage.				
Costs:	Iotal proje	ect cost \$960,0	00					
	District ¢4		80,000 60,000 budge	tod in proviou	10 VOOR0 \$160 000 roguo	ated in EV2010 and		
	\$160,000	anticipated to	be requested i	in future vear	s years, \$100,000 reque:			
	ψ100,000	anticipated to	Evalu	ation				
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the C	FI Guidelines.		
Brojoct Bonofit:	High	The WMP wil			that exist in the watershe	d Currently flood		
Project Benent.	riigii	analysis mod	els are not av	ailable or are	over 10 years old and the	e watershed includes		
		regional or in	termediate sto	ormwater syste	ems.			
Cost Effectiveness:	Medium	Project cost r	per square mile	e is in the mid	-range of historic costs (\$	20.001 to \$30.000 /		
		sq mi) for WMPs completed in rural watersheds.						
Past Performance:	High	High Based on the cooperator having no ongoing projects with the District they are ranked						
	Ũ	high.						
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 7 and is in the 6	to 9 range.		
Project Readiness:	High	Project is ong	joing and on s	chedule.				
		_	Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Maiı	ntenance and Improvem	ent: Develop		
		and impleme	ent programs,	projects and r	egulations to maintain an	d improve water		
		quality.						
		Strategic Ini	tiative - Flood	Iplain Manag	ement: Develop better flo	odplain		
		information a	and implement	floodplain ma	anagement programs to n	naintain storage and		
	conveyance and to minimize flood damage.							
Fund on 1A Drivrity		Overal	Ranking and	d Recommen	dation			
Fund as TA Phonty.	This ongo	ing project ide	ntifies flood ris	sk in an area v	with no detailed study info	rmation available.		
	The result	ing product wi	i be utilized to		letermination, neip impier	ture development in		
	the project	iuuu iisk aliu ii t area	nprove water o	quality, and ei	mance the planning of tu			
	the projec		Func	dina				
Funding Source	P	rior	FY20	19	Future	Total		
District		\$160.000		\$160.000	\$160.000	\$480.000		
Sumter County		\$160.000		\$160.000	\$160.000	\$480.000		
Total		\$320,000		\$320,000	\$320,000	\$960,000		

Project No. N958	Conservati	onservation- Citrus County Water Sense Labeled Irrigation Controller Installation -							
Citrus County	Phase 2						FY2019		
Risk Level:	Туре 1			Multi-Year (Contract: No				
	_		Descri	ption					
Description:	Financial i	ncentives to re	esidential custo	omers for the	installation of approxima	tely 50 Water			
	Sense lab	eled irrigation	controllers at r	esidential hor	mes in the Citrus County	service area. Also			
	included a	luded are educational materials, program promotion, surveys and an orientation with the							
Maggurahla Banafiti	nomeowne	er to assist in f	amiliarizing the	e resident wit	n the new equipment.	no and the			
measurable benefit.	completion	n of a final rep	ort.	ii be the imple	ementation of the progra	m and the			
Costs:	Total Proje	ect Cost: \$33,7	750;						
	Citrus Cou	inty: \$16,875;							
	District: \$1	6,875.							
			Evalu	ation					
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the (CFI Guidelines.			
Project Benefit:	High	The benefit o	f this project is	an estimated	d 11,106 gallons per day	water conserved in			
	1.15	the Northern	Planning Regi	on.					
Cost Effectiveness:	Hign	Project cost e		S Delow the \$	3.00 per thousand gallor	is saved.			
Past Performance:	Hign	gh Based on an assessment of the schedule and budget for the 4 ongoing projects.							
Complementary Efforts:	Hign	ign inte cooperator encourages, supports and provides incentives for water conservation							
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1, 2018.				
	5	,	Strategi	c Goals	·				
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enh	nance efficiencies in all w	vater-use sectors.			
		Northern Region Priority [®] Ensure long-term sustainable water supply							
		Overal	I Ranking and	Recommen	dation				
Fund as High Priority.	Project wil	I conserve pot	table water in t	he Northern I	Planning Region of the D	District and is cost			
	effective.	ľ			0 0				
			Func	ling					
Funding Source	P	rior	FY20	19	Future	Total			
District		\$0		\$16,875	\$0)	\$16,875		
Citrus County		\$0		\$16,875	\$0)	\$16,875		
Total		\$0		\$33,750	\$0)	\$33,750		

Project No. N981	SW IMP - Flood Protection - Culbreath Road Area Flood Relief							
Hernando County						F	Y2019	
Risk Level:	Туре 3			Multi-Year	Contract: No			
Description								
Description:	30% desig Culbreath stormwate District fun elements. will provide permitting	30% design and third-party review for drainage improvements to an existing one mile section of Culbreath Road, which is an evacuation route, just south of Powell Road. Due to undersized stormwater infrastructure, the project area has experienced frequent roadway flooding problems. District funding is for 30% design and third-party review as this project has complex design elements. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the com	pletion of 30% design of t	he proposed		
Costs:	Total proje Hernando District: \$1 constructio	County share (37,500; The con is \$3,000,0)	000 (30% desig \$137,500 conceptual cos 00. It is anticip	gn and third-p t estimate to ated that the	complete design, permitti County will request fundi	ng and ng to complete		
	ucoign, pe		Evalu	ation				
Application Quality:	Medium	Application ir District CM h	cluded most o ad to work with	of the required	d information identified in to obtain remaining requi	the CFI guidelines. red information.		
Project Benefit:	Medium	The benefit of this project, if constructed, will reduce the existing flooding problem during the 100-year, 24-hour storm event. Street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system						
Cost Effectiveness:	High	High Benefit/cost ratio is greater than or equal to 1. Benefits include avoided damages to roads.						
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, 2018.			
		-	Strategi	c Goals				
Strategic Goals:	High	ghStrategic 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.						
		Overa	II Ranking and	d Recommen	dation			
Fund as High Priority.	The County is requesting funds to complete the 30% design and third-party review only. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will provide flood protection for an evacuation route during the 100-year, 24-hour storm event and improve water quality through treatment.							
Funding Source	D	rior	FUNC	19	Futuro	Total		
Hernando County		۹۵۲ ۵.۵		\$137 500	r-uture ¢∩	101a1 \$1?	37 500	
District		ው 		\$137 500	ېن ۵۷	ୁ କାର୍ଯ୍ୟ ହୀ ସ	37 500	
Total		\$0 \$0		\$275,000	\$0	\$27	75,000	

Project No. N983	Reclaimed Water- Hernando County Airport Reclaimed Water								
Hernando County	Storage/Pu	mping/Trans	mission/Recharge Project	:	FY2019				
Risk Level:	Type 2		Multi-Year	Contract: No					
			Description						
Description:	This project	t is for 30% d	esign and third-party revie	w of a reclaimed water pro	oject which if				
	constructe	constructed would include the design, permitting and construction of approximately 63,000 feet							
	of reclaime	of reclaimed water transmission mains, a 3 million gallon storage tank, a 3 mgd pump station, 3							
	mgd filtrati	ngd filtration components and other necessary appurtenances to build major reuse system							
	infrastructu	nfrastructure to support near-term and future expansions and to interconnect the Airport							
	WWIP's n	vWTP's new reuse system with Hernando County's existing reclaimed water system near							
Moasurable Bonefit:	The centre	S19 in the Southwest portion of the County.							
measurable beliefit.	construct t		components for the supply	and utilization of 2.0 more	a future project to				
	to irrigation	and recharge	components for the Weeki \	Vachee Springshed	or reclaimed water				
Costs	Total proie	ct cost: \$750	000 (Conceptual design 3	0% design_third-party revi	iew).				
	Hernando	County share	: \$375.000:	o vo doolgni, tinid party for	,,				
	District sha	are: \$375,000	· · · · · · · · · · · · · · · · · · ·						
	The Count	y's original co	nceptual estimate to comp	lete design, permitting, ar	nd construction is				
	\$16,000,00	00. It is anticip	ated that the County will re	equest funding to complete	e design, permitting,				
	and constr	uction in futur	e years.						
			Evaluation						
Application Quality:	High	Application in	cluded the required inform	ation identified in the CFI	guidelines.				
Project Benefit:	High	High The benefit of this project, if constructed, is the supply 2.0 mgd of reclaimed water to							
		irrigation and recharge customers for an anticipated 1.5 mgd of water savings within							
		the Weeki Wachee Springshed.							
Cost Effectiveness:	Medium	/legium The project would have a \$10.67 per gallon per day capital cost which is within the \$10							
		so per gallon average for alternative supplies. The estimated cost effectiveness is							
		\$2.57 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 college for coll course)							
		reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course							
Past Performance:	Hiah	Based on an	assessment of the schedu	le and budget for the 3 on	aoina proiects.				
Complementary Efforts:	High	Hernando Co	ounty's reclaimed water sys	tem includes metering an	d incentive based				
		reuse rate str	uctures for high volume wa	ater users and has pro-act	tive reclaimed water				
		expansion po	licies which maximize syst	em expansion, utilization,	water resource				
		benefits, and	environmental benefits.						
Project Readiness:	High	Project is rea	dy to begin on or before D	ecember 1, 2018.					
			Strategic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Alternative Water	Supplies: Increase devel	lopment of				
		alternative s	ources of water to ensure g	proundwater and surface w	vater sustainability.				
		Strategic Ini	tiative - Reclaimed Water	: Maximize beneficial use	of reclaimed				
		water to offs	et potable water supplies a	ind restore water levels ar	id natural systems .				
		Northern Re	gion Priority: Improve noi	thern coastal spring syste	ms.				
		Overal	Banking and Recomme	-term sustainable water s	ирріу.				
Fund as High Priority.	The Count	v is requesting	a funds to complete up to 3	30% design and to comple	te a third-party				
- -	review. Th	e results from	the 30% design and third-	party review will provide th	ne District with better				
	information	n to confirm th	e resource benefit and cos	t effectiveness of the proj	ect. If constructed,				
	the project	would supply	near-term reuse flows, as	well as enable future deve	elopment of projects				
	which will	reduce reliand	e on traditional water sour	ces in the Weeki Wachee	Springshed.				
			Funding						
Funding Source	Pi	rior	FY2019	Future	Total				
District		\$0	\$375,000	\$0	\$375,000				
Hernando County		\$0	\$375,000	\$0	\$375,000				
Total		\$0	\$750,000	\$0	\$750,000				

Project No. N986	Study - Cit	rus County Si	tormwater Uti	lity Fee Rate	& Methodology			
Citrus County							FY2019	
Risk Level:	Туре 3			Multi-Year (Contract:			
		Yes, Year 1 of 3						
		Description						
Description:	The project	The project involves performing elements required to develop a County-wide Stormwater						
	Assessme	nt through the	following effor	rts: Part 1 - O	verall condition assessme	ent and funding		
	alternative	s evaluation; I	Part 2 - Rate s	tudy and billir	ig methodology; Part 3 - 0	Community		
	outreach a	and public pres	sentations. FY2	2019 funding	will be utilized to do an ov	verall condition		
Moasurable Repofit:	assessme	nt and funding	alternatives e	valuation.	alation of a study to purpu	in implementation		
Measurable Defiert.	of a dedic	ated stormwat	er utility and a	ssociated fee	to improve the County's	ability to fund		
	stormwate	er capital impro	vement projec	ts and addre	ss operational needs on a	a long-term		
	sustainabl	e basis.				long toni		
Costs:	Total proje	ect cost \$300,0	000					
	Citrus Cou	unty share \$15	0,000					
	District \$1	50,000 with \$5	50,000 request	ted in FY2019), and \$100,000 anticipate	ed to be requested		
	in future y	ears.	E I.v.	- 41				
Application Quality	Madium	Application in	Evalu	ation	information identified in t			
Application Quality:	wealum	Ium Application included most of the required information identified in the CFI guidelines.						
Project Benefit:	Hiah	Completion of a study to provide for potential implementation of a dedicated						
		stormwater utility and associated fee to improve the County's ability to fund						
		stormwater capital and operational needs including future flood protection and water						
		quality level of service improvements.						
Cost Effectiveness:	High	Project cost is comparable to other prior projects with similar scopes.						
Past Performance:	High	Based on an	assessment o	f the schedule	e and budget for the 4 one	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	cember 1, 2018.			
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	ent programs,	projects and r	egulations to maintain an	d improve water		
		quality.	tiative - Floor	Inlain Manag	ement: Develop better flo	ndalain		
		information a	and implement	floodplain manag	anagement programs to n	naintain storage ar	nd	
		conveyance	and to minimiz	ze flood dama	ige.			
		-			-			
		Overa	II Ranking and	d Recommen	dation			
Fund as High Priority.	This proje	ct provides for	the developm	ent of a storn	nwater utility study and me	ethodology that, if		
	adopted, v	will provide for	a dedicated fu	Inding source	and greatly improve the	County's ability to		
	fund stormwater capital and operational needs, including future flood protection, water quality,							
	and enviro	onmental level	of service imp	rovements.				
Eunding Source	_	rior	Func	19	Euturo	Total		
	 	01 ¢0	F120	\$50.000	¢100.000	Total	\$150.000	
District		ው 		\$50,000	\$100,000 \$100,000		\$150,000	
Total				\$100,000	\$100,000		\$300,000	
IOtal		ψυ		ψ100,000	Ψ200,000		~000 ,000	

Project No. N999	Conservat	Conservation- Marion County Utilities Toilet Rebate Program - Phase 5						
Marion County							FY2019	
Risk Level:	Type 1			Multi-Year	Contract:			
				Yes, Year 1	of 2			
			Descr	iption				
Description:	Financial i	ancial incentives to residential customers for the replacement of conventional toilets with						
	high-efficie	ency toilets wh	ich use 1.28 g	allons per flu	sh or less and to commerce	cial customers for		
	the replac	ement of conv	entional toilets	with ultra-low	w flow toilets which use 1.6	6 gallons per flush		
	or less. Th	nis project will i	nclude rebate	s and program	m administration for the re	placement of		
	approxima	ately 400 high 1	flow toilets. Als	so included a	re educational materials, p	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 impleme	entation of the program and	d the completion of	:	
	a final rep	ort.						
Costs:	Iotal Proje	ect Cost: \$64,0)UU;					
	District: C		2,000; 6.000 request	ad in EV2010	and \$16,000 anticipated t	a ha raquatad in		
	future vea	JISTICT: \$32,000 with \$16,000 requested in FY2019 and \$16,000 anticipated to be requested in						
Evaluation								
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the CI	FI Guidelines.		
Project Benefit:	High	The benefit o	The benefit of the project is the conservation of approximately 10,190 gallons per day					
		in the Northe	rn Planning Re	egion.				
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.00) per thousand gallons sav	/ed.		
Past Performance:	Medium	Based on the	assessment o	of the schedu	le and budget for 2 ongoir	ng projects.		
Complementary Efforts:	Low	Cooperator p	er capita is ab	ove 125 gpc	d.			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018			
		_	Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enl	hance efficiencies in all wa	ater-use sectors.		
		Northern Re	gion Priority:	Ensure long-	-term sustainable water su	ipply.		
		Overa	II Ranking and	d Recommen	dation			
Fund as High Priority.	Project wi	Il conserve pot	table water su	pply in the No	orthern Planning Region ar	nd is cost effective		
			Fund	ding				
Funding Source	P	rior	FY20	19	Future	Total		
District		\$0		\$16,000	\$16,000		\$32,000	
Marion County		\$0		\$16,000	\$16,000		\$32,000	
Total		\$0		\$32,000	\$32,000		\$64,000	

Project No. Q018	Conservat	Conservation-The Villages Rain Sensor Inspection/Replacement Program						
NSCUDD						FY2019		
Risk Level:	Type 1			Multi-Year	Contract: No			
	-	Description						
Description:	This proje	ct will make av	ailable approx	imately 120 i	rain sensor installs to sing	le family		
	multi-fami	ly, and comme	rcial customer	rs in the Villa	ges. This will include prog	gram administration,		
	customer	education and	irrigation time	r resets. Rair	n sensor devices will be p	rovided and installed		
	for project	participants w	ho do not hav	e a functionir	ng device. Also included a	ire the educational		
Maaaurahia Darafita	materials,	program prom	otion and surv	/eys necessa	iry to ensure the success	of the program.		
	a final rep	actual Measura ort.	adie Benefit w	ili be impleme	entation of the program a	nd the completion of		
Costs:	Total Proje	ect cost: \$40,0	00;					
	North Sun	nter County Ut	ility Developm	ent District co	ost: \$20,000;			
	District: \$2	20,000.	English	-41				
Application Quality	High	Evaluation						
Application Quality:	⊓ign Lliab							
Project Benefit:	піgri	the Northern Planning Region						
Cost Effectiveness:	Hiah	Project cost e	effectiveness is	s below \$3.00	0 per thousand gallons sa	aved.		
Past Performance:	Hiah	Based on the	cooperator ha	aving no ong	oing projects with the Dist	trict they are ranked		
	J	high.	•	0 0	01 3			
Complementary Efforts:	Low	Cooperator p	er capita is ab	ove 125 gpc	d.			
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1, 2019.			
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: En	hance efficiencies in all w	ater-use sectors.		
		Northern Re	gion Priority:	Ensure long	-term sustainable water s	upply.		
		Overal	I Ranking and	d Recommen	ndation			
Fund as High Priority.	Project wi	Il conserve pot	able water su	pply in the Vi	llages and is cost effective	e.		
		<u> </u>	Fund	ding				
Funding Source	P	rior	FY20	19 #00.000	Future	Total		
NSCUDD District		\$0 \$20,000 \$0 \$20,000						
District		\$0 ¢0		\$20,000 \$40,000	\$U ©	\$20,000		
Iotai		φ υ		. φ40,000	৯০	φ40,000		

Project No. Q040	Conservati	Conservation- WRWSA Regional Irrigation System Audit Program Phase 5							
WRWSA					FY2019				
Risk Level:	Type 1		Multi-Year C	ontract: No					
	Description								
Description:	This project Citrus, and assist in pro- customers water outd efficient irr include per who do no materials, success of	This project will make available approximately 260 irrigation system evaluations within Marion, Citrus, and Hernando Counties and the Villages Development Districts. Participating utilities will assist in providing irrigation evaluations to single family, multi-family, and commercial customers. This will include providing customers with recommendations for optimizing the use of water outdoors through Florida-Friendly Landscaping TM practices, and recommending other efficient irrigation best management practices. For select customers, the project could also include performing irrigation system modifications, and rain senor installs for project participants who do not have a functioning device. Also included is program administration, educational materials, program promotion, follow-up evaluations and surveys necessary to ensure the success of the program.							
Measurable Benefit:	The contra a final rep	actual Measura ort.	able Benefit will be implemer	ntation of the program ar	d the completion of				
Costs:	Total Proje Withlacoo District: \$7	Total Project cost: \$145,000; Withlacoochee Regional Water Supply Authority cost: \$72,500; District: \$72,500.							
Evaluation									
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information							
Project Benefit:	High	The benefit o in the Northe	f the project is the conservat rn Planning Region.	ion of approximately 38,	740 gallons per day				
Cost Effectiveness:	High	Project cost e	effectiveness is below \$3.00	per thousand gallons sa	ved.				
Past Performance:	High	Based on the	assessment of the schedule	e and budget for the 1 or	going project.				
Complementary Efforts:	High	The WRWSA conservation	encourages, supports, and amongst its member govern	provides financial incent ments.	ives for water				
Project Readiness:	High	Project is rea	dy to begin on or before Dec	ember 1, 2018.					
		1	Strategic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Conservation: Enh	ance efficiencies in all wa	ater-use sectors.				
		Northern Re	gion Priority: Ensure long-t	erm sustainable water su	ipply.				
		Overal	I Ranking and Recommend	lation					
Fund as High Priority.	Project wil cost effect	Il conserve pot tive.	able water supply in the Not	hern Planning Region of	the District and is				
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
WRWSA		\$0	\$72,500	\$0	\$72,500				
District		\$0	\$72,500	\$0	\$72,500				
Total		\$0	\$145,000	\$0	\$145,000				

Project No. Q044	Study-Citr	Study-Citrus County Septic to Sewer Conversion Feasibility Study							
Citrus County							FY2019		
Risk Level:	Type 2			Multi-Year	Contract: No				
	-	Description							
Description:	Feasibility	easibility study to identify the best options for converting residential and commercial lots							
	serviced b	y onsite sewa	ge treatment a	nd disposal s	systems (OSTDS) to a ce	entral wastewater			
	collection	system.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il include the	completion of a feasibilit	y study.			
Costs:	Iotal proje	ect cost: \$400,	000						
	District: \$	unty: \$200,000 200 000							
		200,000	Evalu	ation					
Application Quality:	Medium	Application in	cluded most c	of the required	d information identified in	the CFI guidelines).).		
		District PM/C	M had to work	with coopera	ator to obtain remaining r	equired information	า.		
Project Benefit:	High	The project b	enefit is the co	ompletion of a	a feasibility study. The st	udy will address			
		issues such a	ssues such as, but not limited to, sewer technologies, cost comparisons, existing						
		wastewater s	wastewater system infrastructure, 5-year conversion plan, build out conversion plan,						
		outreach to the public							
Cost Effectiveness:	Hiah	ligh The project costs are consistent with the range of costs for similar projects.							
Past Performance:	High	ab Based on an assessment of the schedule and budget for the 4 ongoing projects							
Complementary Efforts:	Medium	The Coopera	tor has an ord	inance in line	with F.S. 381.00655 to 1	equire sewage			
		hookup within	n 365 days of a	availability.					
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1st of 2019.				
		1	Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improven	nent: Develop			
		and impleme	ent programs, j	projects and i	regulations to maintain a	nd improve water			
		quality.		Improvo por	thorn coastal spring system				
			gion Phonty.		uletion	51115.			
Fund as High Priority	The major	rity (two thirds)	of the project	is located wi	thin a PEA and will plan f	or water quality			
i und do riight honty.	improvem	ents within the	Kings Bay/Cr	vstal River. F	lomosassa and Chassah	owitzka			
	springshe	ds. The costs	are consistent	with the rang	je of costs for similar pro	jects.			
			Func	ling					
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$0		\$200,000	\$0)	\$200,000		
Citrus County		\$0		\$200,000	\$0)	\$200,000		
Total		\$0		\$400,000	\$0		\$400,000		

Project No. W430	Springs - 0	Springs - Crystal River Indian Waters Septic to Sewer Phase II						
Crystal River						FY2019		
Risk Level:	Type 2			Multi-Year (Contract:			
				Yes, Year 1	of 2			
		Description						
Description:	Design, pe	ermitting, and o	construction of	a municipal :	sewer system including c	onnection fees,		
	plant dem	olition and tan	k abandonmen	it, and neces	sary components. This pr	oject will allow for		
	currently s	the connection of a private wastewater package plant and provide City central sewer to areas						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of a municipal sa	nitary sewer line		
	and any n	ecessary com	ponents for a f	ully operation	al system that will result	in the connection of		
	a minimur	n of 178 septio	tanks and one	e package pla	ant, in accordance with th	e permitted plans.		
Costs:	Total proje	ect cost: \$4,50	0,000 (Design,	, permitting, a	ind construction)			
	FDEP: \$2	,250,000						
	City of Cry	/stal River: \$1,	125,000					
	District: \$	1,125,000 of w	hich \$300,000	is requested	In FY2019 and \$825,000) anticipated in		
	F12020		Evalu	ation				
Application Quality:	Medium	Application in	cluded most o	of the required	d information identified in	the CFI quidelines.		
11 ···· · · · · · · · · · · · · · · · ·		District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information.		
Project Benefit:	High	High The benefit of this water quality project is the reduction of pollutant loads by an						
		estimated 2,860 lbs/yr of TN. There will be no monitoring or performance testing						
		requirements. The project is located within the Priority Focus Area (PFA) of the Kings						
		Bay/Crystal River basin management action plan (BMAP), a SWIM priority water						
		project includes nitrogen savings from a package plant and a commercial sentic tank						
Cost Effectiveness:	Hiah	High The estimated cost/lb of TN (\$52/lb) is lower than what would be considered a bighty						
		cost-effective	project of \$10	0/lb.				
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 1 on	going project.		
Complementary Efforts:	Medium	The Coopera	tor has an ord	inance in line	with F.S. 381.00655 to r	equire sewage		
		hookup within	n 365 days of a	availability.				
Project Readiness:	Medium	Project is rea	dy to begin on	or before Ma	arch 1, 2019.			
Ctrataria Caslar	1 Barla	Otrasta ella Lat	Strategi	c Goals		aut Davalan		
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	ant programs, p					
		Northern Re	aion Priority:	Improve nort	hern coastal spring syste	ms.		
		Overa	I Ranking and	Recommen	dation			
Fund as High Priority.	This proje	ct is located w	ithin the Kings	Bay/Crystal	River Priority Focus Area	, a SWIM Priority		
	water bod	y and will resu	It in water qua	lity improvem	ents. The District will only	y fund the project if		
	FDEP also	o contributes f	unds and the C	Cooperator de	emonstrates appropriate o	controls are in		
	place.							
	_		Func	ling	— .			
Funding Source	P	rior	FY20	19	Future	Total		
		\$0		\$300,000	\$825,000	\$1,125,000		
		\$0		\$300,000	\$825,000	\$1,125,000		
		\$0 ¢0		\$2,250,000	\$0 \$1 650 000	\$2,250,000		
Total		\$U		ຈ∠,୪ວ∪,∪∪0	ຈ 1,0ວບ,000	\$4,500,000		

Project No. W432	Springs- Citrus County Cambridge Greens Septic to Sewer								
Citrus County						FY2019			
Risk Level:	Type 2			Multi-Year	Contract: No				
	Description								
Description:	The project system ne of the Cry systems w design an future yea	The project is for the 30% design and third-party review of a regional wastewater collection system necessary for connection of a existing residential homes in the Cambridge Greens area of the Crystal River/Kings Bay springshed. If constructed, a minimum of 240 existing septic systems will convert to County sanitary sewer. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ll be the com	pletion of 30% design of	this proposed			
Costs:	project to Total proje Citrus Con District: \$ \$6,500,00 and const	project to construct a regional wastewater collection system. Total project cost: \$200,000 (30% design and third-party review) Citrus County share: \$100,000 District: \$100,000 The conceptual estimate to complete design, permitting and construction is \$6,500,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years.							
	ГОСР. ФО	,230,000	Evalua	ation					
Application Quality:	Medium	Application ir District PM/C	ncluded most o M had to work	f the required with coopera	d information identified in ator to obtain remaining r	the CFI guidelines.			
Project Benefit:	High	High The benefit of this water quality project, if constructed, is the reduction of pollutant loads by an estimated 2,370 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the Priority Focus Area (PFA) of the Crystal River/Kings Bay basin management action plan (BMAP), a SWIM priority water body.							
Cost Effectiveness:	High	The estimate cost-effective	d cost/lb of TN project of \$10	(\$91/lb) is lo 0/lb.	ower than what would be	considered a highly			
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget for 4 ongoi	ng project(s).			
Complementary Efforts:	Medium	The Coopera hookup within	itor has an ordi n 365 days of a	nance in line availability.	with F.S. 381.00655 to	require sewage			
Project Readiness:	High	Project is rea	dy to begin be	fore Decemb	er 1, 2018.				
		1	Strategio	: Goals					
Strategic Goals:	High	Strategic Ini and impleme quality. Northern Re	i tiative - Water ent programs, p egion Priority:	PQuality Mai projects and r Improve nort	ntenance and Improven regulations to maintain a thern coastal spring syste	nent: Develop nd improve water ems.			
		Overa	ll Ranking and	Recommen	dation				
⊦und as High Priority.	Requested funds are to conduct 30% design and third-party review, the results of which will provide the District with better information to confirm the cost effectiveness of the project. The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place. This project is located within the Crystal River/Kings Bay PFA, a SWIM Priority water body.								
			Fund	ling					
Funding Source	P	rior	FY20	19	Future	Total			
Citrus County		\$0		\$100,000	\$0	\$100,000			
		\$0		\$100,000	\$0				
Total		\$0 \$0		\$3,450,000	\$() \$3,250,000 \$3,450,000			

Project No. W434	Springs- Crystal River Southern Septic to Sewer Project							
Crystal River						FY2019		
Risk Level	Туре 2			Multi-Year C	contract: No			
			Descri	ption				
Description	The project City waster residentia Bay/Cryst design an future yea	The project is for the 30% design and third party review third-party review of an extension of the City wastewater collection system necessary for connection of a minimum of 722 existing residential and commercial homes currently serviced by septic systems within the Kings Bay/Crystal River Priority Focus Area (PFA). The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting, and construction.						
Measurable Benefit:	The contra	actual Measura	able Benefit wil	Il be the comp collection system	bletion of 30% design of em.	this proposed		
Costs	Total proje City of Cr District: \$ design, pe funding to FDEP: \$3	Total project cost (30% design and third-party review): \$225,000 City of Crystal River: \$112,500 District: \$112,500 with \$112,500 requested in FY2019. The conceptual estimate to complete design, permitting, and construction is \$6,500,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years.						
		,	Evalua	ation				
Application Quality:	Medium	Application in District PM/C	icluded most o M had to work	f the required with coopera	information identified in tor to obtain remaining re	the CFI guidelines. equired information.		
Project Benefit:	: High	h The benefit of this water quality project, if constructed, is the reduction of pollutant loads by an estimated 6,815 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the PFA of the Kings Bay/Crystal River basin management action plan (BMAP), a SWIM priority water body. This benefit calculation differs from the standard FDEP methodology as this project includes						
Cost Effectiveness	: High	The estimate	d cost/lb of TN	(\$32/lb) is lo	wer than what would be	considered a highly		
Past Performance:	Hiah	Based on an	assessment of	f the schedule	e and budget for the 1 on	igoing project.		
Complementary Efforts:	Medium	The Coopera hookup withir	tor has an ordi 1 365 days of a	inance in line availability.	with F.S. 381.00655 to r	equire sewage		
Project Readiness	Medium	Project is rea	dy to begin on	or before Ma	rch 1, 2019.			
			Strategio	: Goals				
Strategic Goals:	: High	Strategic Ini and impleme quality. Northern Re	tiative - Water ent programs, p egion Priority:	Quality Mair projects and re Improve north	ntenance and Improvem egulations to maintain ar nern coastal spring syste	ent: Develop nd improve water ems.		
		Overal	I Ranking and	Recommen	dation			
Fund as High Priority.	Requested funds are to conduct 30% design and third-party review, the results of which will provide the District with better information to confirm the cost effectiveness of the project. The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place. This project is located within the Kings Bay/Crystal River PFA, a SWIM Priority water body.							
			Fund	ling				
Funding Source	P	rior	FY20	19	Future	Total		
FDEP	 	\$0		\$3,250,000	\$0	\$3,250,000		
		\$0 #0		\$112,500	\$0	\$112,500		
		\$0 \$0		\$3,475.000	\$0 \$0	\$112,500		

Project No. WH04	Springs- Citrus County Old Homosassa West Septic to Sewer Project								
Citrus County						FY2019			
Risk Level:	Type 2			Multi-Year	Contract: No				
			Descr	iption					
Description:	The project	ct is for the 309	% design and	third-party rev	view of a regional wastew	ater collection			
	system ne	ystem necessary for connection of existing residential homes in the Old Homosassa area of							
	the Homos	ne Homosassa springshed. If constructed, a minimum of 95 existing septic systems will convert							
	to County	sanitary sewe	r. The FY2019) funding requ	lest is to complete 30% d	lesign and			
	third-party	nird-party review which will provide the necessary information to support funding in future years							
	to complet	complete design, permitting and construction.							
Measurable Benefit:	The contra	actual Measura	able Benefit w	Ill be the com	pletion of 30% design of	this proposed			
Costs	Total project to	construct a rec	Jonal wastew	ater collection	1 system.				
Costs.	Citrus Cou	unty share: \$1(000 (30 % ues 00 000	ign and third	party review)				
	District sh	are: \$100 000	The conceptu	al estimate to	o complete design inermit	ting and			
	constructi	on is \$6.000.0	0. It is anticin	ated that the	County will request fundi	ing to complete			
	desian. pe	ermitting and c	onstruction in	future vears.					
	FDEP sha	are: \$3,000,000)	,					
			Evalu	ation					
Application Quality:	Medium	Application in	cluded most o	of the required	d information identified in	the CFI guidelines.			
		District PM/C	M had to work	with coopera	ator to obtain remaining r	equired information.			
Project Benefit:	High	High The benefit of this project, if constructed, is the reduction of pollutant loads by an							
		estimated 907 lbs/yr TN. There will be no monitoring or performance testing							
		requirements. The project is located within the Priority Focus Area (PFA) of the							
		Chassahowitzka-Homosassa Springs basin management action plan (BMAP), a							
		SWIM priority water body. This benefit calculation differs from the standard FDEP							
		methodology as this project will impact the adjacent surface water body (Homosassa							
Cost Effectiveness	Modium	river) instead of the nearby spring vents.							
Cost Enectiveness.	Medium	District funded regional eterminates projects and is above what would be considered a							
		highly cost-et	fective project	t of \$100/lb.					
Past Performance:	High	Based on an	assessment of	of the schedul	e and budget for the 4 or	ngoing projects.			
Complementary Efforts:	Medium	The Coopera	tor has an ord	linance in line	e with F.S. 381.00655 to r	equire sewage			
		hookup within	n 365 days of	availability.					
Project Readiness	High	Project is rea	dy to begin or	n or before De	ecember 1, 2018.				
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improven	nent: Develop			
		and impleme	ent programs,	projects and	regulations to maintain ar	nd improve water			
		quality.							
		Northern Re	gion Priority	Improve nor	thern coastal spring syste	ems.			
		Overa	I Ranking and	d Recommen	dation				
Fund as High Priority.	Requeste	d funds are to	conduct 30%	design and th	hird-party review, the resu	Its of which will			
	provide th	e District with	better informa	tion to confirm	n the cost effectiveness c	of the project. The			
	District wi	Il only fund the	project if FDE	P also contri	butes funds and the Coo	perator			
	demonstra	ates appropria	te controls are	in place. Thi	s project is located within	the			
	Chassanc	witzka-Homos	assa Springs	rra, a SWIN					
Funding Source		rior	Fund	119	Euture	Total			
	<u>Р</u>	1101 ¢∩		\$3,000,000	ruiure er	101dl @2.000.000			
	├───	ტე დი		¢3,000,000	φι • ·	φ ₃ ,000,000			
Citrue County	├	ው ው ው		\$100,000 \$100,000	ېل مە				
	├───	<u>ት</u> ሀ ድስ		φ100,000 \$3,200,000	 در	\$100,000 \$3,200,000			
IOTAI	1	ψυ	1	φ0,200,000	ψυ	ψ0,200,000			

Project No. WR09	SW IMP - V	SW IMP - Water Quality - Rainbow Springshed Stormwater Retrofits							
Marion County					FY2019				
Risk Level:	Type 2		Multi-Year	Contract: No					
	Description								
Description:	Constructi	Construction of stormwater BMPs to retrofit multiple dry retention systems that are within two							
	miles Rair	illes Rainbow Springs with a manufactured soil amendment.							
Measurable Benefit:	The contra	actual Measura	able Benefit will be the cons	struction of stormwater BN	/IP's to treat				
	approxima	ately 37 acres	of low density residential st	ormwater runoff within the	e Rainbow River				
	springsne	d, in accordan	ce with the permitted plans.	I nere will be no monitori	ing or performance				
Costs	Total proje	uirements.	850 (Construction)						
00313.	Marion Co	ounty: \$145.42	500 (Construction)						
	District: \$	145.425 reque	sted in FY2019						
			Evaluation						
Application Quality:	High	Application in	cluded all the required info	rmation identified in the C	FI guidelines.				
Project Benefit:	High	The Resource Benefit of the Water Quality project is the reduction of pollutant loads to							
		Rainbow Springs, a SWIM priority water body, by an estimated 91 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							
	N.4. 1	urban/suburban water quality projects.							
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for the 2 on	going projects.				
Complementary Efforts:	Hign	Applicant nas	an active stromwater utility	/ that collects fees.					
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2018.					
		I	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	id improve water				
		Northorn Po	cion Brigrity: Improvo por	born coastal enring syste	me				
			Banking and Bocommon	dation	1115.				
Eund as High Priority	This proje	ct is cost effec	tive and improves stormwa	ter quality and reduces n	itrients entering the				
r und do ringir r nonty.	Rainbow	Springs spring	shed. Due to the close prox	imity of these projects to	the headspring				
	they are a	in important co	mponent of the long-term of	ioal to improve water qual	lity in the				
	springshe	d.		,	- j				
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
Marion County		\$0	\$145,425	\$0	\$145,425				
District		\$0	\$145,425	\$0	\$145,425				
Total		\$0	\$290.850	\$0	\$290,850				

Project No. WW05	SW IMP - V	Vater Quality	Weeki Wach	ee Springshed	Stormwater Retrofits			
Hernando County						FY2019		
Risk Level:	Туре 3			Multi-Year Co	ontract:			
			_	Yes, Year 1 o	f 2			
		Description						
Description:	Design, pe	Design, permitting and construction of stormwater BMPs to retrofit multiple existing urban						
	drainage r	etention areas	with denitrific	ation cells utiliz	ing biosorption activated	d media (BAM). The		
	retention a	areas are within	n three miles o	of the Weeki W	achee Springs headsprin	ng.		
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Ill be the constr	ruction of stormwater BM	IP's to treat		
	approxima	ately 785 acres	s of low density	y residential sto	ormwater runoff within th	ie weeki wachee		
Costs	Springsne	a. Construction	1 WIII be done	n accordance	with the permitted plans			
00515.	Hernando	County: \$1.00		i, permitting an				
	District: \$	1 000 000 with	0,000 0 \$125 000 rec	uested in FY2	019 and \$875 000 reque	ested in future		
	vears.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	ý		Evalu	ation				
Application Quality:	High	Application in	cluded all the	required inform	nation identified in the C	FI guidelines.		
Project Benefit:	High	The Resourc	e Benefit of the	e Water Quality	project is the reduction	of pollutant loads to		
		Weeki Wache	ee Springs, a S	SWIM priority v	vater body, by an estima	ited 700 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/suburb	Irban/suburban water quality projects.					
Past Performance:	High	based on an assessment or the schedule and budget for the 3 ongoing projects.						
Complementary Efforts:	High	I ne county has an active stormwater utility that collects tees.						
Project Readiness:	High Project is ready to begin on or before December 1, 2018.							
		I	Strategi	c Goals				
Strategic Goals:	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop							
		and implement programs, projects and regulations to maintain and improve water						
	quality.							
		Northern Re	gion Priority.		ern coastal spring system			
Fund as High Priority	This prois	Overal	i Ranking and	a Recommend	atton	trianta antaring the		
i unu as riigiri nonty.	I his project is cost effective and improves stormwater quality and reduces nutrients entering the Weaki Weakes enringshed. Due to the close provinity of these projects to the bacdepring, they							
	are an important component of the long-term goal to improve water quality							
	are arring		Func	dina	improve water quality.			
Funding Source	Р	rior	FY20	19	Future	Total		
Hernando County		\$0		\$125,000	\$875,000	\$1,000,000		
District		\$0		\$125,000	\$875,000	\$1,000,000		
Total		\$0		\$250.000	\$1,750,000	\$2.000.000		

Project No. WW07	Springs- Hernando County US19/Hwy50 Septic to Sewer, Districts A and B							
Hernando County						FY2019		
Risk Level	Type 2			Multi-Year C	Contract: No			
			Descri	iption				
Description	The project third-party homes in I Weeki Wa	third-party review for a municipal sewer system necessary for connection of existing residential homes in Districts A and B of the Hernando County Septic to Sewer Conversion Program in the Weeki Wachee Priority Focus Area (PFA). If constructed, approximately 1822 existing septic						
	systems w via a desig package, v the project	systems will convert to County sanitary sewer. The County anticipates completing this project via a design-build process. The FY2019 funding request is to complete the design criteria package, which will provide the necessary information to solicit bids for the design-build phase of the project. Third party review will follow during the design-build phase. Funding to complete design and exact will be requested in future wave						
Measurable Benefit:	The contra proposed in the con	actual Measura project to cons nection of app	able Benefit wi struct a fully op roximately 182	Il be the comported by the comported by the second se	bletion of a design criteria hicipal sanitary sewer sys	a package of this stem that will result		
Costs	Total proje	ect cost: \$400,	000 (design cr	iteria package	e)			
	Hernando District sh constructio design, pe FDEP: \$2	Iernando County share: \$200,000 District share: \$200,000. The conceptual estimate to complete design, permitting and construction is \$48,400,000. It is anticipated that the County will request funding to complete design, permitting and construction in future years.						
		1	Evalu	ation				
Application Quality:	Medium	Application in District PM h	cluded most o ad to work with	of the required	I information identified in o obtain remaining requi	the CFI guidelines. red information.		
Project Benefit:	High	The benefit of this water quality project, if constructed, is the reduction of pollutant loads to the Weeki Wachee springshed by an estimated 17,683 lbs/yr TN. There will be no monitoring or performance testing requirements. The project is located within the priority focus area of the Weeki Washee apringebod. a SWIM priority water betw						
Cost Effectiveness	High	The estimated cost/lb of TN (\$91/lb) is lower than the historical average of \$224/lb for District funded regional stormwater projects and is below what would be considered a highly cost-effective project of \$100/lb.						
Past Performance:	High	Based on an	assessment o	f the schedule	e and budget for 3 ongoir	ng projects.		
Complementary Efforts:	Low	The Cooperator does not have an ordinance in line with F.S. 381.00655 to support sewage hookup within 365 days of availability. The Cooperator does not yet substantially restrict traditional septic systems in the entire priority focus area and/or its jurisdictional boundary.						
Project Readiness	High	Project is exp	pected to begin	n on or before	December 1, 2018.			
			Strategi	c Goals				
Strategic Goals:	High Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Northern Region Priority: Improve northern coastal spring systems.							
		Overa	II Ranking and	d Recommen	dation			
Fund as High Priority.	The FY2019 funding request is to complete the design criteria package, which will provide the necessary information to solicit bids for the design-build phase of the project. This project will result in water quality improvements to the Weeki Wachi Springs Priority Focus Area, a SWIM Priority water body, and is cost effective. The District will only fund the project if FDEP also contributes funds and the Cooperator demonstrates appropriate controls are in place.							
Funding Source	Р	rior	FY20	19	Future	Total		
FDEP		\$0		\$24,200,000	\$0	\$24,200,000		
Hernando County		\$0		\$200,000	\$0	\$200,000		
District		\$0		\$200,000	\$0	\$200,000		
Total		\$0		\$24,600,000	\$0	\$24,600,000		

Project No. W433	SW IMP - W	ater Quality -	Hunter Sprin	gs Stormwate	er Modification			
Crystal River				-		FY2019		
Risk Level:	Туре 3			Multi-Year C	ontract: No			
			Descr	iption				
Description:	Design, pe which will i	rmitting and c mprove storm	onstruction of water quality o	a modification	to an existing drainage the Hunters Springs area	retention area a of Kings Bay.		
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ill be the desig	n, permitting, and constr	ruction of		
	stormwate	r BMP's to pro	vide additiona	al treatment to	approximately 34 acres	of low density		
	residential	sidential stormwater runoff to Kings Bay/ Crystal River, which are Outstanding Florida Waters						
	and a SWI	IM priority water body. Construction will be done in accordance with the permitted						
0	plans. The	re will be no n	nonitoring or p	erformance te	sting requirements.			
Costs:	City of Cru	Ct COSt \$75,00	(Design, Peri	mitting and Co	Instruction)	has also requested		
		ings funding	f approved Dis	37,500 reques	sted in FY 19. This project	nas also requested		
		ings funding. I	Fvalu	ation	equest will be adjusted a	iccordingly.		
Application Quality:	High	Application in	cluded all nec	essary inform	ation identified in the CF	I Guidelines.		
Project Benefit:	Medium	The Resource	e Benefit of th	e Water Qualit	v project is the reduction	of pollutant loads to		
r rojout Bonont.		Kings Bay/Cr	vstal River, by	an estimated	24 lbs/yr TN.	l'or politicant loudo to		
Cost Effectiveness:	High	The estimate	d cost/lb of TN	I removed is b	elow the historical avera	ge cost of \$224, and		
		the cost/acre treated is below the historical average cost of \$8,050/acre treated for						
		urban/suburb	an water qual	ity projects.				
Past Performance:	High	Based on an assessment of the schedule and budget for the 1 ongoing projects.						
Complementary Efforts:	Medium	I ne City of Crystal River has adopted the sprinkling limitations promulgated by the						
		Southwest Fl	orida Water M	anagement D	strict and enforces those	e restrictions as part		
		that require w	code enforce	ment program	i. The City has further ad	lopied building codes		
			of swales and	or berms. The	City has also adopted a	in ordinance that		
		bans the use	of fast-release	e fertilizers as	a means of protecting w	ater quality.		
		Additionally, t	he City has o	ver the past se	everal years actively purs	sued the installation		
		of stormwate	r treatment de	vices at points	of direct stormwater ent	try into Kings Bay		
		and related w	aterways.					
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1, 2018.			
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Mair	tenance and Improvem	ent: Develop		
		and impleme	ent programs,	projects and re	egulations to maintain ar	id improve water		
		quality.	tiative - Floor	Inlain Manage	ment: Develop better fl	nodolain		
		information a	and implement	floodplain ma	inagement programs to r	maintain storage and		
		conveyance	and to minimiz	ze flood dama	ge.			
		Northern Re	gion Priority:	Improve north	ern coastal spring syste	ms.		
		Overal	Ranking and	d Recommend	dation			
Fund as Medium Priority.	This proje	ct improves sto	ormwater qual	ity and reduce	s nutrients entering King	s Bay/Crystal		
	River, whi	ch are Outstar	nding Florida V	Vaters and a S	SWIM priority water body	· · ·		
			Fund	ding				
Funding Source	Pi	rior	FY20	19	Future	Total		
Crystal River		\$0		\$37,500	\$0	\$37,500		
District		\$0		\$37,500	\$0	\$37,500		
Total		\$0		\$75,000	\$0	\$75,000		

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Heartland Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings



Project No. N856	WMP – Jack Creek Watershed Management Plan							
Highlands County						FY2019		
Risk Level:	Type 4			Multi-Year	Contract:			
				Yes, Year 2	of 3			
			Descri	iption				
Description:	Complete	a Watershed N	lanagement F	Plan (WMP) fo	or the Jack Creek Joseph	ine Creek		
	watershed	l in Highlands (County, throug	h and includi	ng floodplain analysis, Le	evel of Service		
	determina	tion (LOS), and	Best Manage	ement Practic	es (BMPs) alternative an	alysis. FY2019		
	tunding wi	I be used to co		th the Leke L	sis and begin the alterna	tive analysis. This		
Moasurable Bonofit:		y the hooding t	will be to dow	lon bottor flo	adalain information and in	mplomont floodploin		
Measurable Defiert.	manadem	ent programs f	o maintain sto	rade and cor	wevance and to minimize			
Costs:	Total proje	ect cost \$600.0	00	lage and con		nood damage.		
	Highlands	County (25%	REDI): \$150.0	000				
	District: \$4	150,000 with \$	150,000 budge	eted in previo	us years, \$156,000 reque	ested in FY2019 and		
	\$144,000	anticipated to	be requested i	n future year	S.			
			Evalu	ation				
Application Quality:	Medium	Application in	cluded most c	of the required	d information identified in	the CFI guidelines.		
		District PM/CM had to work with cooperator to obtain remaining required information.						
Project Benefit:	High	The WMP wil	l analyze flood	ling problems	s that exist in the watershe	ed. Currently, flood		
		analysis mod	analysis models are not available or are over 10 years old, and the watershed includes					
Cost Effectiveness	High	Project cost r	ermediate sto	ninwater syst	ems. mid range of historic cos	te (\$20.000 / ea mi		
COSt Enectiveness.	riigii	or less) for W	MPs complete	e is below the ed in rural wa	tersheds	διs (φ20,0007 sq m		
Past Performance:	Hiah	Based on an assessment of the schedule and budget for the 1 ongoing project						
Complementary Efforts:	Medium	Cooperator's Community Rating System class is 8 and is in the 6 to 9 range.						
Project Readiness:	High	Project is one	joing and on s	chedule.		0		
-	Strategic Goals							
Strategic Goals:	High	High Strategic Initiative - Floodplain Management: Develop better floodplain						
	U	information a	ind implement	floodplain m	anagement programs to r	naintain storage and		
		conveyance	and to minimiz	ze flood dama	age.			
		Strategic Initiative - Emergency Flood Response: Operate District flood control						
		and water conservation structures, providing effective and efficient assistance to state						
		and local gov	ernments and	the public to	minimize flood damage	during and after		
		major storm	events.					
		Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and						
		Overal	l Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ina project ide	ntifies flood ris	k in an area	with no detailed study info	ormation available.		
	The result	ing product wil	I be utilized fo	r flood zone o	determination, help impler	ment solutions that		
	alleviate f	ood risk and ir	nprove water o	quality, and e	nhance the planning of fu	ture development in		
	the project	t area. Highlar	ds County qu	alifies for a 7	5% cost share as a REDI	community as		
	defined by	/ Florida Statut	e. Under Distr	rict Policy 130	-4, the Board can reduce	the requirements		
	for matchi	ng funds for R	EDI communit	ies.				
			Func	ling				
Funding Source	P	rior	FY20	19	Future	Total		
Highlands County (REDI)		\$50,000		\$52,000	\$48,000	\$150,000		
District		\$150,000		\$156,000	\$144,000	\$450,000		
Total		φ∠00,000		ֆ∠∪୪,ՍՍՍ	\$ I9Z,000	φουυ,000		

Project No. N862	Reclaimed Water-Polk County NERUSA CR547 Reclaimed Water Transmission Project								
Polk County Utilities					FY2	2019			
Risk Level:	Type 2		Multi-Year	Contract:					
		Yes, Year 2 of 2							
		Description							
Description:	Design, pe	ermitting and c	onstruction of approximatel	y 6,900 feet of reclaimed	I water transmission				
	mains and	other necessa	ary appurtenances to suppl	y approximately 1,060 re	sidential irrigation				
Maggurahla Donofitu	customers	ustomers in the Williams Preserve, Greenfield Village and Shell Property Areas of NERUSA.							
measurable benefit:	The Meas	urable Benefit,	, which will be the contractu	lai requirement, is the su	ppiy of 0.377 mga of				
	Initiative ((ige Area of the Central I					
Costs	Total proje	ct cost: \$869 !	500 (Design permitting an	d construction):					
	Polk Coun	itv share: \$434	.750:						
	District sha	are: \$434,750	with \$50,000 budgeted in F	Y2018 and \$384,750 re	quested in FY2019.				
			Evaluation						
Application Quality:	High	Application in	cluded the required information	ation identified in the CF	guidelines.				
Project Benefit:	High	The benefit is	the supply of 0.377 mgd o	f reclaimed water to resi	dential customers for				
		an anticipated 0.318 mgd of water savings in the "Ridge Area" of the CFWI.							
Cost Effectiveness:	High	\$2.73 per gallon per day capital cost which is below the \$10 to \$15 per gallon average							
		for alternative supplies. The estimated cost effectiveness is \$0.66 per thousand gallons							
		or water resource benefit which is within the cost range for reuse projects which							
		\$10.00/1.000 gallons for residential projects							
Past Performance:	Hiah	Based on an assessment of the schedule and budget for the 8 ongoing projects							
Complementary Efforts:	High	Polk County's reclaimed water system includes metering and incentive based reuse							
		rate structures for high volume water users and has pro-active reclaimed water							
		expansion policies which maximize utilization, water resource benefits, and							
		environmenta	al benefits.						
Project Readiness:	High	ligh Project is ongoing and on schedule.							
			Strategic Goals						
Strategic Goals:	High Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed								
		water to offset potable water supplies and restore water levels and natural systems.							
		Heartland Region Priority: Implement Southern Water Use Caution Area (SWUCA)							
		Recovery St	rategy.						
Fund as 1A Priority	This onco	ing project is n	ecommended for funding a	s it reduces reliance on t	raditional water				
r and do intrinointy.	sources in	the CFWI and	t is cost effective.						
			Funding						
Funding Source	P	rior	FY2019	Future	Total				
District		\$50,000	\$384,750	\$(\$434,	,750			
Polk County Utilities		\$50,000	\$384,750	\$(\$434,	,750			
Total		\$100,000	\$769,500	\$(\$869,	,500			

Project No. N880	WMP - Fort Meade Watershed Management Plan							
Fort Meade						FY2019		
Risk Level:	Туре 3			Multi-Year (Contract:			
				Yes, Year 2	of 2			
			Descri	iption				
Description:	Complete	Complete a Watershed Management Plan (WMP) for the Fort Meade Watershed in the City of						
	Fort Mead	e. FY2019 fun	ding will be us	ed to comple	te a geodatabase of mod	lel features, model		
	parameter	ization, floodp	ain modeling a	and delineatio	on, Surrace water Resou	Irce Assessment,		
	requested	ed to be in the lead role for this project and will be responsible for retaining a consultant						
	to perform	project tasks.						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the com	pletion of a Watershed m	odel and floodplain		
	analysis; i	nformation tha	t is critical to b	etter identify	risk of flood damage and	I cost effective		
	alternative	es.						
Costs:	Total proje	ect cost \$160,0		~~				
	City of Foi	rt Meade (25%	REDI): \$40,0	UU In proviou	a veera and \$60,000 rea	weated in EV2010		
	District. ø	120,000 with \$	Evalu	ation	s years, and \$00,000 req			
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the C	CFI Guidelines.		
Project Benefit:	High	The WMP wil	I analyze flood	ling problems	that exist in the watersh	ed. Currently, flood		
	Ū	analysis mod	els are not ava	ailable or are	over 10 years old, and th	e watershed includes		
		regional or in	termediate sto	rmwater syst	ems.			
Cost Effectiveness:	High	Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for						
	11.1	WINPS completed in urban watersheds.						
Past Performance:	High	Based on the	cooperator ha	aving no ongo	bing projects with the Dist	trict they are ranked		
Complementary Efforts:	Low	Cooperator is	not participat	ing in the Cor	nmunity Rating System p	program.		
Project Readiness:	High	The project is	ongong and	on schedule.				
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Wate	r Quality Ass	essment and Planning:	Collect and		
		analyze data	to determine	local and regi	onal water quality status	and trends to		
		support resource management decisions and restoration initiatives.						
		Strategic Initiative - Floodplain Management: Develop better floodplain						
		information and implement flood damage						
		Overal	I Ranking and	d Recommen	dation			
Fund as 1A Priority.	This ongo	ing project ide	ntifies flood ris	k in an area v	with no detailed study info	ormation available.		
	The result	ing product wi	I be utilized fo	r flood zone o	letermination, help imple	ment solutions that		
	alleviate fl	ood risk and ir	nprove water o	quality, and e	nhance the planning of fu	uture development in		
	the projec	t area. Fort Me	ade qualifies	for a 75% cos	t share as a REDI comm	nunity as defined by		
	Florida Sta	atute. Under D	Istrict Policy 1	30-4, the Boa	rd can reduce the require	ements for		
	matching	IUNUS IUI RED	Func	lina				
Funding Source	Р	rior	FY20	19	Future	Total		
District		\$60,000		\$60,000	\$0	\$120,000		
Fort Meade (REDI)		\$20,000		\$20,000	\$0	\$40,000		
Total		\$80,000		\$80,000	\$0	\$160,000		

Project No. N888	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility								
Haines City					FY2019				
Risk Level:	Type 2		Multi-Year Co	ontract:					
			Yes, Year 2 o	f 2					
			Description						
Description:	Evaluatior	of reclaimed	water recharge sites, compor	nents and advanced trea	atment necessary to				
	assist in m	neeting Minimu	m Flows and Levels (MFLs)	on Lake Eva in the "Rid	ge Lakes" area of				
	the Centra	al Florida Wate	r Initiative (CFWI).						
Measurable Benefit:	The contra	actual Measura	able Benefit will be a feasibilit	y study to evaluate the	MFL benefits of				
Casta	Tetal Drai	water recharg	e options to improve the Ridg	je Lakes area.					
Costs		ty Sharo (25%	,000 (Sludy), DEDI): \$75,000:						
	District Sh	ly Shale (23 %	of which \$112 500 was budy	neted in EV2018 and \$1	12 500 is requested				
	in FY2019	arc.			112,000 13 104003100				
			Evaluation						
Application Quality:	High	Application in	cluded all the required inform	nation identified in the C	FI Guidelines.				
Proiect Benefit:	High	Study will pro	vide data to evaluate potentia	al sites, components, co	osts and benefits of				
· · · , · · · · ·	Ũ	up to 0.7 mg	d of reclaimed water recharge	options to assist in me	eting MFLs on Lake				
		Eva in the "R	idge Lakes" area of the CFW	I.	Ū				
Cost Effectiveness:	High	The project c	osts are consistent with the ra	ange of costs for similar	ly funded District				
		projects.							
Past Performance:	High	High Based on an assessment of the schedule and budget for the 2 ongoing projects.							
Complementary Efforts:	High	Haines City's reclaimed water system includes metering and incentive based reuse							
		rate structure	rate structures for high volume water users and has proactive reclaimed water						
		expansion policies which maximize utilization, water resource benefits, and							
Droject Beedinees	Liab	Project is ongoing and on schedule							
Project Readiness.	HIGH	Strategic Goals							
Stratogic Goales	High Strategic Initiative Declaimed Water Maximize headfield was of real-sized								
Strategic Goals.	nign	IIIgii Strategic Initiative - Reclaimed water: Maximize beneficial use of reclaimed							
		Water to onset potable water supplies and restore water levels and natural systems.							
		Peace Creek Canal							
		Overal	I Ranking and Recommenda	ation					
Fund as 1A Priority.	This ongo	ing project is r	ecommended for funding as i	t will develop a feasibilit	ty study of				
	reclaimed water recharge options, which if constructed would assist in meeting MFLs on Lake								
	Eva in the	"Ridge Lakes	area of the CFWI. Haines C	ity qualifies for a 75% c	ost share as a				
	REDI com	munity as defi	ned by Florida Statute. Unde	r District Policy 130-4, t	he Board can				
	reduce the	e requirements	tor matching funds for REDI	communities.					
Energline Oneman			Funding	Fastan	Tatal				
Hainos City (REDI)	P	COC 607 500	FT2U19	Future					
		\$37,500 \$140,500	\$37,500 #110 E00	\$U	\$75,000				
Total		৯।।∠,500 \$150,000	\$112,500 \$150,000	<u> </u>	\$∠∠⊃,UUU \$300.000				
Iotai		φ150,000	φ100,000	Ф О	φ500,000				
Project No. N917	WMP - Fro	stproof Water	shed Manage	ment Plan					
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Frostproof				_		FY2019			
Risk Level:	Туре 3			Multi-Year	Contract:				
			_	Yes, Year 2	of 2				
		Description							
Description:	Complete	a Watershed N	Management F	Plan (WMP) fo	or the Frostproof Watersh	ed in the City of			
	Frostproof	. FY2019 fund	ing will be use	ed to complete	e WMP tasks including a	Surface Water			
	Resource	Assessment, l	_evel of Servic	e determinati	on and Best Managemen	It Practices			
	alternative	analysis. The	City requeste	d to be in the	lead role for this project a	and will be			
Moasurable Bonofit:	The control	e for retaining	a consultant to	ill be the cor	ject lasks.	adal and floodalain			
measurable beliefit.		nformation that	t is critical to h	/III De lhe con ottor identify	risk of flood damage and				
	alternative				lisk of hood damage and				
Costs:	Total proje	ct cost \$120.0	000						
	City of Fro	stproof (25% I	REDI): \$30,00	0					
	District: \$9	90,000 with \$4	5,000 budgete	ed in previous	years, and \$45,000 requ	ested in FY2019.			
			Evalu	ation					
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.			
Project Benefit:	High	The WMP wil	l analyze flood	ding problems	that exist in the watersh	ed. Currently, flood			
		analysis mod	els are not ava	ailable or are	over 10 years old, and th	e watershed includes			
		regional or in	termediate sto	ormwater syst	ems.				
Cost Effectiveness:	High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for								
Deat Deafermenter	WMPs completed in urban watersheds.								
Past Performance:									
Complementary Efforts:	Low	Low Cooperator is not participating in the Community Rating System program							
Project Readiness:	High	The project is	ongoing and	on schedule.		- 3 -			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Strategi	c Goals					
Strategic Goals:	Hiah	Strategic Ini	tiative - Water	r Quality Ass	essment and Planning:	Collect and			
, , , , , , , , , , , , , , , , , , ,	5	analyze data	to determine	local and reg	ional water quality status	and trends to			
		support reso	urce manager	nent decision	s and restoration initiative	es.			
		Strategic Ini	tiative - Flood	Iplain Manag	ement: Develop better flo	oodplain			
		information a	and implement	floodplain m	anagement programs to r	maintain storage and			
		conveyance	and to minimiz	ze flood dama	age.				
Fund on 1A Drivrity		Overal	l Ranking and	d Recommen	dation				
Fund as TA Phonity.	This ongo	ing project ide	ntifies flood ris	sk in an area v	with no detailed study info	ormation available.			
	alleviate fl	ood risk and in	n be utilized to	nuality and e	phance the planning of fu	iture development in			
	the project	t area. Frostor	oof qualifies fo	or a 75% cost	share as a REDI commu	inity as defined by			
	Florida Sta	atute. Under D	istrict Policy 1	30-4, the Boa	ard can reduce the require	ements for			
	matching	funds for RED	l communities	·					
			Func	ding					
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$45,000		\$45,000	\$0	\$90,000			
Frostproof (REDI)		\$15,000		\$15,000	\$0	\$30,000			
Total		\$60,000		\$60,000	\$0	\$120,000			

Project No. N930	SW IMP - V	Vater Quality -	Lake Verona Stormwater	Retrofit Project					
Avon Park					FY2019				
Risk Level:	Туре 3		Multi-Year (Contract:					
		Yes, Year 2 of 2							
		Description							
Description:	Design, permitting, and construction of stormwater retrofit BMPs in the City of Avon Park to								
	improve w	prove water quality discharging to Lake Verona, a Lake Wales Ridge Lake and Heartland							
Maaaurahia Darafitu	Region pri	ority.							
	acros of w		able Benefit will be the cons	aro will be no monitoring	or performance				
	testing rec	uirements	arging to Lake verona. The		or performance				
Costs:	Total Proje	ect Cost: \$422	.455 (Desian, permittina, co	nstruction)					
	City of Avo	on Park (25% I	REDI): \$105,614	/					
	District: \$3	316,841, with \$	75,000 budgeted in FY201	8 and \$241,841 requeste	d in FY2019.				
		ľ	Evaluation						
Application Quality:	Medium	Application in	cluded most of the required	l information identified in	the CFI guidelines.				
		District PM/CM had to work with the cooperator to obtain remaining required							
Project Benefit:	Hiah	Information.							
r roject benent.	riigii	Lake Verona by an estimated 113 lb/year TN and 3405 lb/yr TSS.							
Cost Effectiveness:	Medium	Medium The estimated cost/lb of TN and TSS removed is lower than the historical average of							
		\$224/lb TN and \$12/lb TSS, and the cost/acre is higher than the historical average							
		cost of \$8,050/acre treated for Urban/Suburban projects.							
Past Performance:	High	ligh Based on an assessment of the schedule and budget for the 1 ongoing project.							
Complementary Efforts:	Medium	The City has	a street sweeper program,	a stormwater maintenand	e program and an				
Droject Readinees	Liab	This oppoing	ion campaign on stormwate	er.					
Project Readiness.	піцп		Stratogic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Mai	ntenance and Improvem	ent: Develop				
Chatogio Coalo.	riigii	and impleme	ent programs, projects and r	regulations to maintain ar	nd improve water				
		quality.		- 3	- F				
		Heartland R	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.	I his ongo	ing project is in	dentified in the District funde	ed Best Management Pla	in for selected Lake				
		lige Lakes Allei	native analysis and Concept to Lake Verona, a Lake W	ales Pidde Lake and He	artland Region				
	Priority. T	he City of Avor	Park qualifies for a 75% c	ost share as a REDI com	imunity as defined				
	by Florida	Statute. Unde	r District Policy 130-4, the E	Board can reduce the req	uirements for				
	matching	funds for RED	l communities.						
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
District		\$75,000	\$241,841	\$0	\$316,841				
Avon Park (REDI)		\$25,000	\$80,614	\$0	\$105,614				
Total		\$100,000	\$322,455	\$0	\$422,455				

Project No. N933	Restoration - Crooked Lake West Wetland								
Polk County						FY2019			
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, Year 2	of 2				
		Description							
Description:	Design, pe	ermitting, and o	construction of	freshwater v	vetlands adjacent to Croc	ked Lake in the			
Measurable Benefit:		actual Measur	ble Benefit is	the restoration	on and enhancement of 9	00 acres of			
	freshwate	r wetlands adja	acent to Crook	ed Lake.					
Costs:	Total Proje	ect cost: \$800,	000 (Design, p	permitting and	d construction)				
	Polk Cour	nty: \$400,000							
	District: \$4	400,000, with \$	100,000 budg	eted in FY18	and \$300,000 requested	l in FY19.			
			Evalu	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 the project is	the restoration	on and enhancement of a	approximately 900			
		acres of treshwater wetlands adjacent to Crooked Lake, a Lake Wales Ridge Lake and							
Cost Effectiveness	High	High The estimated cost/acre of natural systems restoration is below the historical average							
	i ngn	of \$53,326/acres							
Past Performance:	High	High Based on an assessment of the schedule and budget for the 8 ongoing projects.							
Complementary Efforts:	High	Applicant has	an active sto	rmwater utility	y that collects fees.				
Project Readiness:	High	Project is ong	joing and on s	chedule and	budget.				
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation and	Restoration: Identify crit	tical			
		environment	ally sensitive e	ecosystems a	and implement plans for p	rotection or			
		restoration.							
		Heartland R	egion Priority	: Improve Rid	dge Lakes, Winter Haven	Chain of Lakes and			
		Peace Creek	Canal. I Panking and	Pocommon	dation				
Fund as 1A Priority.	This ongo	ing project will	restore and e	nhance natur	ral systems adjacent to C	rooked Lake a			
	Lake Wale	es Ridge Lake	and HeartInd	Region Priori	ty.	lookou Luko, u			
		0	Fund	ding	,				
Funding Source	Р	rior	FY20	19	Future	Total			
Polk County		\$100,000		\$300,000	\$0	\$400,000			
District		\$100,000		\$300,000	\$0	\$400,000			
Total		\$200,000		\$600,000	\$0	\$800,000			

Project No. N940	SW IMP - V	P - Water Quality - Lake Hunter BMP Project							
City of Lakeland					FY2019				
Risk Level:	Туре 3		Multi-Year Yes, Year 2	Contract: ? of 2					
			Description						
Description:	Design, pe Hunter, a	ermitting and c FDEP impaired	onstruction of stormwater I I waterbody, located in the	BMPs for untreated runoff City of Lakeland.	discharging to Lake				
Measurable Benefit:	The contra from a 84 requireme	actual Measura acre urbanizeo ents.	able Benefit will be the con d watershed. There will be	struction of stormwater BN no monitoring or performa	MPs to treat runoff ance testing				
Costs:	Total Proje City of La District sh	ect cost: \$933,9 keland: \$466,9 nare: \$466,990,	980 (Design, permitting an 90 with \$74,125 budgeted in	d construction) FY18 and \$392,865 reque	ested in FY19.				
		T	Evaluation						
Application Quality:	High	Application in	cluded all of the required in	nformation identified in the	e CFI guidelines.				
Project Benefit:	High	The Resource Benefit of this water quality project is the reduction of pollutant loads to Lake Hunter, a FDEP impaired waterbody, by an estimated 272 lbs/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/lb of TSS removed is below the historical averages of \$12/lb and the cost/acre treated is above the historical average cost of \$8,050/acre treated for urban/urban water quality projects.							
Past Performance:	High	Based on the high.	cooperator having no ong	oing projects with the Dist	rict they are ranked				
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.					
Project Readiness:	High	Project is ong	joing and on schedule.						
			Strategic Goals						
Strategic Goals:	Medium	Strategic Initiative - Water Quality Maintenance and Improvement : Develop and implement programs, projects and regulations to maintain and improve water quality.							
		Overal	I Ranking and Recommen	ndation					
Fund as 1A Priority.	This ongo waterbody	bing project will y.	improve water quality disc	harging to Lake Hunter, a	FDEP impaired				
Eunding Source	P	rior	EV2019	Euturo	Total				
City of Lakeland		\$74 125	\$302 865		101d1 \$466.000				
District		\$74 125	\$302,000 \$302,865	0¢ 02	\$466 QQ0				
Total		\$148,250	\$785.730	\$0	\$933.980				

Project No. N948	Conservat	Conservation- Polk Regional Water Cooperative Indoor Water Conservation Incentives								
PRWC		-					FY2019			
Risk Level:	Type 1			Multi-Year C	ontract: No					
Description										
Description	Financial i high-efficia the replac less. Seve implement 1,120 high education to ensure	Financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets that use 1.28 gallons per flush or less and to commercial customers for he replacement of conventional toilets with ultra-low flow toilets that use 1.6 gallons per flush or ess. Several local utilities are collaborating with Polk Regional Water Cooperative (PRWC) to mplement the project. This project will include rebates for the replacement of approximately 1,120 high flow toilets. In addition, approximately 2,400 conservation kits and enhanced educational kits will be distributed. Also included are program promotion and surveys necessary to ensure the success of the program.								
Measurable Benefit:	The Meas	urable Benefit	, which will be	the contractua	I requirement, will be	e implementation of the	9			
Costs	Total Proje PRWC co District: \$2	Total Project cost: \$156,000; PRWC cost: \$78,000; District: \$78,000								
			Evalu	ation						
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.								
Project Benefit:	High	The benefit o in the Southe Initiative (CF)	f the project is rn Water Use WI).	the conservat Caution Area	ion of approximately (SWUCA) and the Ce	92,000 gallons per da entral Florida Water	у			
Cost Effectiveness:	High	Project cost e	effectiveness i	s below \$3.00	per thousand gallons	saved.				
Past Performance:	High	Based on the	assessment	of the schedule	e and budget for 4 on	going projects.				
Complementary Efforts:	High	The PRWC e governments	ncourages an	d supports wa	ter conservation amo	ngst its member				
Project Readiness:	High	Project is rea	dy to begin or	or before Dec	ember 1, 2018.					
			Strategi	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enha	ance efficiencies in a	ll water-use sectors.				
		Heartland R Recovery St	egion Priority rategy.	r: Implement S	outhern Water Use C	aution Area (SWUCA)			
		Overal	I Ranking and	d Recommend	lation					
Fund as High Priority.	Project wi	Il conserve pot	able water su Fune	pply in the SW ding	UCA and CFWI and i	is cost effective.				
Funding Source	Р	rior	FY20	19	Future	Total				
District		\$0		\$78,000		\$0	\$78,000			
PRWC		\$0		\$78,000		\$0	\$78,000			
Total		\$0		\$156.000		\$0	\$156,000			

Devenport FY2019 Risk Levei; Type 4 Multi-Year Contract: Yes, Year 1 of 2 Description: Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of Davenport. FY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment. Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis ; information that is critical to better identify risk of flood damage and cost effective alternatives . Costs: Total project Cost \$150,000 District \$75,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Project Benefit: High Application included all the required information in the CFI Guidelines. Project Benefit: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMPs completed in urban watersheds. Past Performance: High Based on the cooperator have grown and resident methods in support tas zet as object is ready to begin on or before December 1, 2018. Strategic Goals: Strategic Initiative - Water Quality Assessment and Planning: Collect and analyze data to determine local and regroy	Project No. N962	WMP - Dav	enport Water	shed Manage	ment Plan					
Risk Levei Type 4 Multi-Year Contract: Yes, Year 1 of 2 Description: Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of Davenport. FY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis : information that is critical to better identity risk of flood damage and cost effective alternatives . Cost: Total project and \$150,000 Ostrict \$75,000 District \$75,000 out with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Project Bonefit: High Application included all the required information in the CFI Guidelines. Project Bonefit: High The WMP will analyze flooding problems that exist in the watershed includes regional or intermediate stormwater systems. Cost Effectiveness: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMPs completed in urban watersheds. Project Readiness: High Resteredonts Strategic Goals	Davenport						FY2019			
Ves. Year 1 of 2 Description	Risk Level:	Type 4			Multi-Year	Contract:				
Description Description: Complete a Watershed Management Plan (WMP) for the Davenport. PY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis: information that is critical to better identify risk of flood damage and cost effective alternatives . Costs: Total project cost \$150,000 District 375,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Evaluation Application included all the required information in the CFI Guidelines. Project Benefit: High Application included all the required storm aver 10 years old, and the watershed includes regional or intermediate storm aver systems. Cost Effectiveness: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMP scompleted in urban watersheds. WMPS completed in urban watershed. Cost Effectiveness: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or les			Yes, Year 1 of 2							
Description Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of Davenport, FY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis; information that is critical to better identify risk of flood damage and cost effective alternatives . Costs: Total project cost \$150,000 City of Davenport \$75,000 District \$75,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Evaluation Evaluation Project Benefit: High Application included all the required information in the CFI Guidelines. Project Benefit: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMPs completed in urban watersheds. Project Renefit: High Based on the cooperator having no ongoing projects with the District they are ranked high. Cost Effectiveness: High Project list and transhed. Currently, flood analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration in		Description								
Davesport. FY2019 funding will be used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis; information that is critical to better identify risk of flood damage and cost effective alternatives. Costs: Total project cost \$150,000 District \$75,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Evaluation Application Quality: High High Application included all the required information in the CFI Guidelines. Project Benefit: High Project Der project per square mile is in the low range for costs (\$30,000/sq mi or less) for WMPs completed in urban watersheds. Past Performance: High High Project is not participating in the Community Rating System program. Project Readiness: High High Project is ready to begin on or before December 1, 2018. Strategic Coals: Strategic Coals: High High Project is ready to begin on or before December 1, 2018. Strategic Initiative - High Anagement programs to maintain storage and conveyance and to minimize flood damage. Vora	Description:	Complete	Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of							
data collection and initial GIS processing tasks. Future funding will be needed to complete WMP tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis; information that is critical to better identify risk of flood damage and cost effective alternatives. Costs: Total project cost \$150,000 City of Davenport \$75,000 District \$75,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Project Benefit: High Application Included all the required information in the CFI Guidelines. Project Benefit: High The WMP will analyze flooding problems that exist in the watershed includes regional or intermediate stormwater systems. Cost Effectiveness: High Project Teading to the project is not participating in the Community Rating System program. Project Readiness: High Project Readiness: High Project is ready to begin on or before December 1, 2018. Strategic Goals: High Project is ready to begin on or before December 1, 2018. Strategic Goals: High Project identifies flood risk		Davenport	. FY2019 fund	ling will be use	ed to complete	e Watershed Evaluation ta	asks through the			
tasks including a Surface Water Resource Assessment, Level of Service determination, and Best Management Practices alternative analysis. The District will be in the lead role for this project and will be responsible for retaining consultant to perform project tasks. Measurable Benefit: The Measurable Benefit will be the completion of a Watershed model and floodplain analysis : information that is critical to better identify risk of flood damage and cost effective alternatives. Costs: Total project cost \$150,000 City of Davenport \$75,000 District \$75,000 with \$37,500 requested in FY2019 and \$37,500 anticipated to be requested in future years. Project Benefit: High Application included all the required information in the CFI Guidelines. Project Benefit: High The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate sommater systems. Cost Effectiveness: High Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMP's completed in urban watersheds. Past Performance: High Project is ready to begin on or before December 1, 2018. Strategic Goals: High Strategic Goals Strategic Goals: High Strategic Goals Strategic Goals: High Strategic Initiative - Water Quality Assessment and Planing: Collect and analyze data to determine local and regional water quality status and trends to support		data colleo	ction and initia	I GIS processi	ng tasks. Fut	ure funding will be neede	d to complete WMP			
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Project No. N971	Conservation- Polk Regional Water Cooperative Outdoor Water Conservation Best								
PRWC	Manageme	ent Practices					FY2019		
Risk Level:	Type 1			Multi-Year	Contract: No				
Description									
Description:	Financial incentives, services or hardware to customers for the replacement of various outdoor irrigation and landscape components. Several local utilites are collaborating with PRWC to implement the project. Approximately 7 Florida Friendly Landscape Rebates of up to \$2,000 each will be distributed; this involves converting existing landscaped areas that are irrigated with high volume irrigation to a landscaped area that has no irrigation or is irrigated with micro irrigation. The rebate amount will vary based on the actual square footage of irrigation converted. Approximately 200 smart irrigation evapotranspiration (ET) controllers will be made available or rebated; this involves educating the homeowner on proper unit operation. Approximately 400 wireless rain sensors will be made available to homeowners. Approximately 300 irrigation evaluations will be made available to utility customers; this involves providing homeowners recommendations for optimizing the use of water outdoors through Florida Friendly Landscaping practices and other efficient irrigation best management practices as well as installing a rain sensor for project participants who do not have a functioning device. Also included are the educational materials, program promotions follow-up evaluations and surveys necessary to ensure the success of the program.								
Measurable Benefit:	The contra a final rep	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.							
Costs	Total Project cost: \$192,500; PRWC cost: \$96,250; District: \$96,250.								
			Evalua	ation					
Application Quality:	Medium	Application in District PM/C	cluded most o M had to work	f the required with coopera	d information identified in t ator to obtain remaining re	the CFI guidelines. equired information.			
Project Benefit:	High	The benefit o in the Southe Initiative (CF)	f the project is rn Water Use //I).	the conserva Caution Area	ation of approximately 113 (SWUCA) and the Centra	3,000 gallons per da al Florida Water	у		
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	of the schedu	lle and budget for 4 ongoii	ng projects.			
Complementary Efforts:	High	The PRWC e governments	ncourages and	d supports w	ater conservation amongs	t its member			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018.				
			Strategio	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: En	hance efficiencies in all wa	ater-use sectors.			
		Heartland R	egion Priority	Implement	Southern Water Use Caut	ion Area (SWUCA)			
		Recovery St	rategy.						
		Overal	I Ranking and	l Reco <u>mme</u> n	idation				
Fund as High Priority.	Project wi	Il conserve pot	able water sup	oply in the SV	NUCA and CFWI and is co	ost effective.			
			Fund	ling					
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$0		\$96,250	\$0		\$96,250		
PRWC		\$0		\$96,250	\$0		\$96,250		
Total		\$0		\$192,500	\$0		\$192,500		

Project No. Q022	Reclaimed	Reclaimed Water-Bowling Green Mosaic Mine Reclaimed Water Transmission Project								
Bowling Green					FY2019					
Risk Level:	Type 2		Multi-Year Co	ontract: No						
		Description								
Description:	Constructi	on of approxin	nately 15,000 feet of reclaime	ed water transmission mair	ns and other					
	necessary	necessary appurtenances to tie into Wauchula's existing reclaimed water system to provide								
	additional	additional reclaimed water to the Mosaic South Pasture Mine in Northeast Hardee County.								
Measurable Benefit:	The Meas	urable Benefit	, which will be the contractual	I requirement, is the supply	y and utilization					
	of 0.14 mg $(SWUCA)$	go of reclaimed	a water for industrial use in th	e Southern water Use Ca	ution Area					
Costs:	Total proie	ect.cost: \$1.11	L000 (Construction):							
	City of Bo	wling Green st	nare (25% REDI): \$277,750;							
	District sh	are: \$833,250	all of which is requested in F	Y2019						
			Evaluation							
Application Quality:	High	Application in	cluded the required informati	ion identified in the CFI gu	idelines.					
Project Benefit:	High	The benefit is	s the supply of 0.14 mgd of re	claimed water to an indus	trial customer for					
		an anticipate	d 0.14 mgd of water savings	within the SWUCA.						
Cost Effectiveness:	High	\$7.94 per gallon per day capital cost which is less than the \$10 to \$15 per gallon								
		thousand gal	lons of water resource benefi	t which is within the cost r	ange 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	h Based on the cooperator having no ongoing projects with the District they are ranked								
		high.								
Complementary Efforts:	High	Bowling Gree	en's reclaimed water system v	will include metering and ir	ncentive based					
		reuse rate str	ructures for the industrial use	r and the City has pro-acti	ve water					
Project Readiness	Hiah	Project is rea	dy to begin on or before Deci	ember 1 2018						
			Strategic Goals							
Strategic Goals:	Hiah	Strategic Ini	tiative - Reclaimed Water: M	laximize beneficial use of	reclaimed					
	J	water to offs	et potable water supplies and	restore water levels and i	natural systems.					
		Heartland R	egion Priority: Implement Sc	outhern Water Use Cautior	n Area (SWUCA)					
		Recovery St	rategy.							
		Overa	I Ranking and Recommenda	ation						
Fund as High Priority.	The proje	ct is recommer	nded for funding as it will sup	ply near-term reuse flows,	as well as					
	enable all	future City rec	laimed water flow increases	to be utilized, thereby redu	icing the reliance					
	on traditio	nal water sour	ces in the SWUCA and is cos	st effective. Bowling Greer	n qualifies for a					
	130_4 the	Board can re	duce the requirements for ma	FIORIDA Statute. Onder Dis						
	100- - , ille		Fundina							
Funding Source	P	rior	FY2019	Future	Total					
District		\$0	\$833,250	\$0	\$833,250					
Bowling Green (REDI)		\$0	\$277,750	\$0	\$277,750					
Total		\$0	\$1,111,000	\$0	\$1,111,000					

Project No. Q023	Study-Poll	Regional Wa	ter Cooperative Water De	mand Management Plan					
PRWC					FY2019				
Risk Level:	Type 1		Multi-Year	Contract:					
		Yes, Year 1 of 2							
			Description						
Description:	Developm	Development of a Demand Management Plan (DMP) for PRWC and PRWC utilities. The DMP							
	will asses	s available wat	er conservation potential a	nd articulate a long-term (water conservation)				
		analysis of the	nt implementation strategy	nor PRWC. In addition, it	will provide an ater Supply (ΔW/S)				
	projects th	at becomes p	ossible by extending existin	ng supplies via conservatio					
Measurable Benefit:	The contra	actual Measura	able Benefit will be the com	pletion of the Demand Ma	inagement Plan.				
Costs:	Total Proje	ect cost: \$340,	000						
	PRWC co	st: \$170,000							
	District: \$	170,000 with \$	85,000 requested in FY201	9, and \$85,000 anticipate	d to be requested in				
	future yea	Irs	Evolution						
Application Quality	High	Application in	Evaluation	rmation identified in the C	El Guidalinos				
Application Quality.	High	The benefit of	f the project is the potentia		in the Southern				
Project Benefit:	піцп	Water Lise Caution Area (SWIICA). More accurate conservation in the Southern							
		and conservation implementation planning provides greater reliability of future							
		conservation activities and are important in determining the scale and timing of future							
		AWS projects.							
Cost Effectiveness:	Medium	Project costs	appear to be consistent wi	th similar regional planning	g efforts.				
Past Performance:	High	Based on the	assessment of the schedu	ile and budget for the 4 on	going projects.				
Complementary Efforts:	High	The PRWC e	ncourages and supports w	ater conservation amongs	t its member				
Droject Readinees	High	governments	dy ta bagin an ar bafara Dy	200mbor 1, 2019					
Project Readiness:	піgn	Project is rea	Strategic Goals						
Strategic Goals:	High	Strategic Ini	tiative - Regional Water S	upply Planning: Identify	communicate				
otratogio obaio.	riigii	and promote	consensus on the strategi	es and resources necessa	irv to meet future				
		reasonable a	and beneficial water supply	needs.	,				
		Strategic Ini	tiative - Conservation: En	hance efficiencies in all wa	ater-use sectors.				
		Heartland R	egion Priority: Implement	Southern Water Use Caut	ion Area (SWUCA)				
		Recovery St	rategy.	1.4					
Fund as High Priority		Overal	I Ranking and Recommer	idation k County and provide a st	atomy for identifying				
r unu as riigh rhonty.	and imple	menting conse	ervation projects		alegy for identifying				
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
District		\$0	\$85,000	\$85,000	\$170,000				
PRWC		\$0	\$85,000	\$85,000	\$170,000				
Total		\$0	\$170,000	\$170,000	\$340,000				

Project No. W772	SW IMP - V	Nater Quality	- Winter Have	n Ridge Imple	ementation of Stormwate	er BMPs			
Winter Haven						FY2019			
Risk Level:	Туре 3			Multi-Year O Yes, 1 of 2	Contract:				
			Descr	iption					
Description:	Design, pe and park a of Lakes,	Design, permitting, and construction of stormwater LID BMPs within the urban public right-of-way and park areas in the City of Winter Haven to reduce nutrient loads into the Winter Haven Chain of Lakes, a SWIM priority waterbody.							
Measurable Benefit:	The contra stormwate watershee monitoring	The contractual Measurable Benefit will be the design, permitting, and construction of stormwater LID BMPs to treat stormwater runoff from an approximately 4.5 acre urbanized watershed. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.							
Costs	Total proje City of Wi District: \$ future yea	Total project cost: \$240,000 (Design, permitting, construction) Dity of Winter Haven: \$120,000 District: \$120,000, with \$60,000 budgeted in FY2019 and \$60,000 anticipated to be requested in Tuture years.							
		·	Evalu	ation					
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 is the reduction of pollutant loads and suspended solids into the lakes of the Winter Haven Chain of Lakes, a SWIM priority water body, by an estimated 2 000 lbs/vr TSS							
Cost Effectiveness:	Medium	The estimate treated is abo projects.	d cost of TSS	is below the h cal average of	istorical average of \$20/ \$46,947/acre treated for	b and the cost/acre LID water quality			
Past Performance:	Medium	Based on an	assessment o	of the schedule	e and budget for the 3 on	going project.			
Complementary Efforts:	High	The City has	an active stor	mwater utility	that collects fees.				
Project Readiness:	High	Project is rea	dy to begin or	or before De	cember 1, 2018.				
		•	Strategi	c Goals					
Strategic Goals:	High	Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes and Peace Creek Canal.							
		Overa	II Ranking and	d Recommen	dation				
Fund as High Priority.	This proje priority wa	ect will improve aterbody.	water quality	discharging to	the Winter Haven Chain	of Lakes, a SWIM			
			Fund	ding					
Funding Source	Р	rior	FY20	19	Future	Total			
Winter Haven		\$0		\$60,000	\$60,000	\$120,000			
District		\$0		\$60,000	\$60,000	\$120,000			
Total		\$0		\$120,000	\$120,000	\$240,000			

Project No. N898	Reclaimed Water-Haines City Reclaimed Water Tank and Pump Station Project, Final								
Haines City	Design and	d Construction	n			FY2019			
Risk Level	Туре 2			Multi-Year C Yes, Year 2 c	ontract: f 4				
Description									
Description	Final designs service put instrument for 30% de conceptuat to complete	Final design, permitting and construction of a transfer pump station, a storage tank, a high service pump station, a booster station, associated yard piping, electrical modifications, instrumentation, controls, and other necessary appurtenances. Funding was approved in FY18 for 30% design and third-party review. The District required a third-party review because the conceptual construction estimate is greater than \$5 million dollars. The FY19 funding request is to complete design and begin construction.							
Measurable Benefit:	The contra will enable "Ridge La accordance	The contractual Measurable Benefit is the design, permitting, and construction of equipment that will enable the city to store and supply reclaimed water to existing and future customers in the "Ridge Lakes" area of the Central Florida Water Initiative (CFWI). Construction will be done in accordance with the permitted plans							
Costs	Total proje Haines Cir District sh FY 2019 a	ect cost: \$6,160 ty share (25% are: \$4,620,00 ind \$3,270,000	0,000 (Design REDI): \$1,540 0 with \$225,00) anticipated to	, Third-Party R ,000 00 budgeted in b be requested	eview, Permitting and C previous years, \$1,125 in future years	onstruction) 000 requested in			
		_	Evalu	ation					
Application Quality:	: Medium	Medium 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:	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	Medium	Medium The project costs are 16% over the typical range of costs for infrastructure in similar District funded reclaimed water storage and pumping projects.							
Past Performance:	High	Based on an	assessment o	f the schedule	and budget for the 2 on	going projects.			
Complementary Efforts:	High	Haines City's rate structure expansion po environmenta	reclaimed wa s for high volu licies which m al benefits.	ter system incl me water user aximize utiliza	udes metering and incer s and has pro-active rec tion, water resource ben	ntive based reuse laimed water efits, and			
Project Readiness	High	Project is ong	joing and on s	chedule.					
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini water to offse Heartland R Peace Creek	tiative - Recla et potable wat egion Priority Canal.	i med Water : N er supplies and : Improve Ridg	laximize beneficial use d d restore water levels an Je Lakes, Winter Haven	of reclaimed d natural systems . Chain of Lakes and			
Fund as Medium Priority	The City is	overal s anticipated to	complete the	30% design a	ation nd third-party review by	September 2018			
	The City is anticipated to complete the 30% design and third-party review by September 2018. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the third-party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY19 funding for completion of design and start of construction. If constructed, this project will improve the availability of reclaimed water for future reclaimed water system expansions. 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.								
			Func	ling	-				
	<u>Р</u>	ere ooo	FY20	1 9	Future	Fotal			
		\$75,000 \$225,000		\$1 125 000	\$1,090,000 \$3,270,000	ቅ 1,540,000 \$4			
Total		\$300,000		\$1,500,000	\$4,360,000	\$6,160,000			

Project No. N899	Study-Polk County Reclaimed Recharge Study in Dover/Plant City WUCA & Northwest								
Polk County	Polk Areas	Polk Areas FY2019							
Risk Level:	Type 2			Multi-Year Yes, Year 2	Contract: 2 of 3				
	Description								
Description:	This proje study to d solutions a (NWRUSA water to re potentially and/or aqu lithologic o componer	This project request is for an ongoing (initially approved in the FY2018 CFI cycle) feasibility study to determine whether indirect aquifer recharge with reclaimed water or non-traditional reuse solutions are viable options to supplement Polk County's Northwest Regional Utility Service Area (NWRUSA) water supplies. The project will include a field scale investigation of using reclaimed water to recharge the Upper Floridan Aquifer which will augment groundwater supplies and potentially enhance water supplies from an existing wellfield. The project will include pilot testing and/or aquifer recharge testing to investigate enhanced recharge, recharge and monitoring wells, lithologic coring, aquifer performance testing, groundwater modeling, and other necessary							
Measurable Benefit:	The contra by Polk C reclaimed and the co	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 reclaimed water for aquifer recharge or to supplement groundwater supplies in the CFWI region, and the conceptual design and permitting of the selected project							
Costs	Total proje District sh and the re Polk Cour The proje of \$1,000, updated p scope of v	Total project cost: \$1,189,000 (Feasibility study, field-scale investigation/pilot testing); District share: \$594,500; with \$250,000 budgeted in FY2018; \$250,000 requested in FY2019; and the remaining \$94,500 to be requested in future years. Polk County share: \$594,500. The project costs for this phase have been revised to \$1,189,000 from an original cost estimate of \$1,000,000. The reasons for this cost increase include: 1) a refined scope of work and updated project costs for the pilot study based on FDEP input; and 2) expanded duration and econo of water quality compliant to provide the data for patential permitting requirements.							
Evaluation									
Application Quality:	High	Application in	cluded the rea	quired inform	ation identified in the CFI	guidelines.			
Project Benefit:	High	The project b reclaimed wa recharge or to	enefit is the co iter project cor o supplement	ompletion of a ncept to utilize groundwater	a field scale feasibility stud e up to 1.5 mgd of reclaim supplies in the CFWI regi	dy to develop a ned water for aquifer ion.			
Cost Effectiveness	Medium	The costs are recharge and "Medium" rat	e consistent will indirect potat	ith the range ble reuse pilo " due to an 1	of costs for similarly funde t studies, howver, this pro 8.9% increase in costs.	ed District reclaimed ject will be ranked			
Past Performance:	High	Based on an	assessment c	of schedule a	nd budget for 8 ongoing p	rojects.			
Complementary Efforts:	High	Polk County's rate structure expansion po environmenta	s reclaimed wa s for high volu plicies which m al benefits.	ater system ir ime water us naximize utiliz	ncludes metering and ince ers and has pro-active rec ation, water resource ber	entive based reuse claimed water nefits, and			
Project Readiness	High	Project is ong	going and on s	chedule.					
Strategic Goals:	High	Strategic Goals 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.							
Fund on Madium Driatity	The resi	Overa	I Ranking and	a Recommer	idation	, atudu bu Dalla			
Fund as medium Priority.	The project is recommended for funding, as it provides a field scale feasibility study by Polk County to develop a reclaimed water project concept for aquifer recharge or to supplement groundwater supplies in the CFWI region. This project will be ranked as a "Medium" rather than a "1A" due to the 18.9% increase in costs for the current scope of work.								
Funding Original		wi o u	Fund	aing	F4	Tatal			
Polk County	P	1107 000 000	FY20	\$250.000	Future				
		\$250,000 ¢250,000		\$∠00,000 ¢250,000	ມ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ ຊາງ	م م الم الم الم الم الم الم الم الم الم			
Total		\$500,000		\$500,000	\$189,000	\$1,189,000			

Project No. N973	Conservat	onservation- Winter Haven Consumption and Conservation Programs Data							
Winter Haven	Manageme	ent Software				FY201			
Risk Level:	Туре 1			Multi-Year (Yes, Year 1	Contract: of 2				
	-		Descrip	tion					
Description:	Implemen	mplementation of a software program that will promote and encourage water conservation by							
	utility cust	omers. This pr	oject will allow s	software plat	form setup, including a u	tility side			
	dashboard	d, and initially v	will be available	for 19,000 c	ustomers. The program i	s expected to			
	expand as	advanced me	etering infrastruc	ture (AMI) is	s installed throughout the	City over the next			
	several ye	ars. The softw	are will: provide	a customer	portal log-in and graph d	ustomers water use			
	over time;	promote utility	conservation in	to poighbor	d repates based on prope	erty appraiser data			
	looks and	inform custom	ipare water use	on a daily b	s (social norming), detect				
	watering r	estrictions bas	ed on actual da	ilv water usa	asis, and educate custon				
Measurable Benefit:	The contra	actual Measura	able Benefit will	be impleme	ntation of the program an	d the completion of			
	a final rep	ort.							
Costs:	Total Proje	ect cost: \$120,	000						
	City of Wi	nter Haven sha	are: \$60,000						
	District: \$6	District: \$60,000 with \$30,000 requested in FY2019, and \$30,000 requested in future years.							
Evaluation									
Application Quality:	Medium	Im Application included most of the required information identified in the CFI guidelines.							
		District PM/C	M had to work w	with coopera	tor to obtain remaining re	equired information.			
Project Benefit:	High	The benefit o	of the project is t	he conserva	tion of approximately 16,	000 gallons per day			
		in the Southe	ern Water Use C	aution Area	(SWUCA) and the Centra	al Florida Water			
	Madium	Initiative (CF)	VVI).	hotwoon #2	00 and ¢6 00 nor thousa	nd gallana aawad			
Cost Ellectiveness:	Medium	Project cost e		the schodul	o and budget for the 2 or	nu galions saveu.			
	Medium	Cooperator n							
Complementary Ellorts:					r 125 gpcu.				
Project Readiness:	Medium	Project is rea			lich 1, 2019				
Stratogic Goals:	High	Strategia Ini	Strategic	Godis	anao officionaica in all w				
Strategic Obais.	riigii	Strategic III							
		Heartland R	egion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)			
		Recovery St	rategy.	D					
Fund on Madium Priority	Desisation	Overa	Il Ranking and	Recommen	dation	ant offensive			
Fund as medium Priority.	Project wi	ll conserve po	table water supp	bly in the SV	VUCA and CEVVI and is c	ost effective.			
Eunding Source		rior	Fundi	<u>م</u>	Euturo	Total			
District	P	101 ¢∩	F1201	\$20,000					
Winter Haven		<u>م</u> ں		\$30,000 \$20,000	φ30,000 ¢30,000	φου,υυι Φου,ου			
		<u> </u>		930,000 \$60,000	\$30,000 \$60,000	۵0,000 ¢120 ۵۵			
Iotai		φU	1	φ00,000	φ00,000	φ120,000			

Project No. N996	Conservat	ion-Town of Lake Hamilto	on Distribution Sys	stem Looping				
Lake Hamilton					FY2019			
Risk Level:	Type 2		Multi-Year Con	tract: No				
		Description						
Description:	Design, p	Design, permitting and construction of approximately 5,200 feet of new potable water lines and						
		e conservation project, an	d will reduce routing	e flushing in five areas by all	lowing potable			
	water circ	ulation throughout the syst	tem.	o	ioning potencio			
Measurable Benefit:	The Meas	urable Benefit, which will	be the contractual r	equirement, is the construct	ion of			
	approxima	ately 5,200 feet of new pot	able water lines and	d associated components to	eliminate			
	distributio	n system dead-ends. Con	struction will be dor	e in accordance with the pe	rmitted			
Costs	plans. Total Proj	act Cost: \$521.000 (Desig	n permitting and c	onstruction)				
00515.	USDA Gr	ant: \$354 853	n, permitting, and c	unstruction)				
	Town of L	ake Hamilton (25% REDI)	: \$41,537					
	District: \$	124,610	. ,					
		Eva	aluation					
Application Quality:	Medium	Application included mos	st of the required inf	ormation in the CFI guidelin	es. District			
During t Daw of t	Lliab	PM/CM had to work with	cooperator to obtain	in remaining required inform	ation.			
Project Benefit:	піgn	SWIICA and the CEWI						
Cost Effectiveness:	Low	Project cost effectiveness is above \$6.01 per thousand gallons saved (\$6.43). In						
		comparison to reclaimed water construction projects, cost-effectiveness is below the						
		threshold of being highly cost-effective. (Transmissions/Interconnects - \$6.60 or less)						
Past Performance:	High	Based on the cooperator having no ongoing projects with the District they are ranked high.						
Complementary Efforts:	Medium	The cooperator strongly development.	discourages the cre	eation of dead end water line	es with new			
Project Readiness:	High	Project is ready to begin	on or before Decer	nber 1, 2018.				
		Strate	gic Goals					
Strategic Goals:	High	Strategic Initiative - Co	nservation: Enhand	ce efficiencies in all water-us	se sectors.			
		Southern Region Priori	ity: Implement Sout	hern Water Use Caution Are	ea (SWUCA)			
		Overall Ranking a	and Recommendat	ion				
Fund as Medium Priority.	This proje	ct will conserve potable w	ater in the SWUCA	and the CFWI. The town of	Lake			
	Hamilton	s aging infrastructure requ	ires staff to flush de	ead-end lines regularly to en	sure water			
	quality sta	andards are met for their c	ustomers. Looping	these dead-end lines will all	ow for an			
	immediate	e reduction in flushing qua	ntities for this REDI	Community. This project wi	Il enhance			
	System et	ficiency and promote cons	ervation. Lake Han	nilton qualifies for a 75% cos	st snare as a			
	reduce the	e requirements for matchir	ng funds for RFDI c	ommunities.				
		Fi	Inding					
Funding Source	P	rior FY	2019	Future	Total			
District		\$0	\$124,610	\$0	\$124,610			
Lake Hamilton (REDI)		\$0	\$41,537	\$0	\$41,537			
USDA		\$0	\$354,853	\$0	\$354,853			
Total		\$0	\$521,000	\$0	\$521,000			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Southern Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings



Project No. N838	SW IMP - F	SW IMP - Flood Protection - City of Bradenton 71st St W Improvements						
City of Bradenton						FY201		
Risk Level:	Туре 3			Multi-Year (Contract:			
				Yes, Year 2	of 2			
		Description						
Description:	The project	The project consists of the design, permitting and construction of improvements to the existing						
	drainage s	system along 7	1st Street We	st located in t	he City of Bradenton. A	WMP has been		
	recently co	ompleted and p	provides the file	poding extent	of the project area alon	g with this alternative		
	complete (comstruction	water quality i	mprovement		j will be used to		
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the desid	an, permitting and const	ruction of drainage		
	system im	provements al	ong 71st Stree	et West in the	City of Bradenton.			
Costs:	Total proje	ect cost \$120,0	00 (Design, p	ermitting, and	construction)			
	City of Bra	adenton share	\$60,000					
	District \$6	0,000 with \$30	,000 budgete	d in previous	years and \$30,000 requ	ested for FY2019.		
Application Quality	High	Application in	Evalu	ation required infor	mation identified in the	CEL quidolinos		
Application Quality:	Modium	Application included all the required information identified in the CFI guidelines.						
Project Benefit:	Medium	equiring the Resource Benefit of the project will reduce the existing flooding problem during the						
		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						
	Ū.	roads.						
Past Performance:	High	Based on an	assessment o	f the schedule	e and budget for the 2 o	ngoing 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 ong	joing and on s	chedule.				
		I	Strategi	c Goals				
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	Iplain Manag	ement: Develop better f	floodplain		
		information a	and implement	floodplain ma	anagement programs to	maintain storage and		
		conveyance			iye.			
		Overal	Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project red	uces street flo	odina provid	es additional water qual	ity treatment and		
,	improves	public safety for	or a critical fac	ility (Seabree	ze Elementary).			
			Func	ling	• ·			
Funding Source	P	rior	FY20	19	Future	Total		
City of Bradenton		\$30,000		\$30,000	\$	0 \$60,00		
District		\$30,000		\$30,000	\$	0 \$60,00		
Total		\$60,000		\$60,000	\$	0 \$120,00		

Project No. N858	WMP - City	y of Arcadia W	atershed Man	agement Pla	n					
Arcadia						FY2019				
Risk Level	: Type 3			Multi-Year C	Contract:					
				Yes, Year 2	of 2					
		Description								
Description	: Complete	Complete a Watershed Management Plan (WMP) for the Arcadia Watershed in the City of								
	Arcadia. F	Y2019 funding	g will be used to	o complete th	e Watershed Evaluation	, Watershed				
	Managem	ent Plan, Leve	l of Service De	termination,	Surface Water Resource	Assessment, and				
	BMP Alter	native Analysis	s. The City requ	uested to be i	n the lead role for this pr	roject and will be				
Maggurahla Danofit	responsib	le for retaining	consultant to p	perform project	ct tasks.					
Measurable Benefit:		actual Measura	able Benefit wil	I be the comp	pletion of a vvatershed m	lodel and floodplain				
	allalysis, i				lisk of flood damage and	i cost ellective				
Costs	Total proje		00							
	City of Arc	cadia (25% RE	DI): \$75.000							
	District: \$2	225,000 with \$	120,000 budge	eted in previo	us years and \$105,000 r	equested in FY2019.				
			Evalua	ation						
Application Quality	: High	Application in	cluded all the	required infor	mation identified in the C	CFI Guidelines.				
Project Benefit	: High	The WMP wil	II analyze flood	ing problems	that exist in the watersh	ed. Currently, flood				
		analysis mod	els are not ava	ilable or are	over 10 years old, and th	ne watershed includes				
		regional or in	termediate sys	tems.						
Cost Effectiveness	: Medium	Project cost p	per square mile	is in the mid	-range of historic costs (\$30,001 to				
		\$50,000/sq mi) for WMPs completed in urban watersheds.								
Past Performance	: High	gh Based on an assessment of the schedule and budget for the 1 ongoing project.								
Complementary Efforts	Low	Cooperator is	s not participati	ng in the Cor	nmunity Rating System p	program.				
Project Readiness	High	The project is	s ongoing and	on schedule.						
		I.	Strategic	: Goals						
Strategic Goals	: High	Strategic Ini	tiative - Water	Quality Ass	essment and Planning:	Collect and				
		analyze data	to determine i	ocal and regi	onal water quality status	and trends to				
		Support reso	tiative - Flood	nlain Manag	ment: Develop better fl	es. oodolain				
		information a	and implement	floodplain ma	anagement programs to	maintain storage and				
		conveyance	and to minimiz	e flood dama	ge.					
					•					
		Overal	II Ranking and	Recommen	dation					
Fund as 1A Priority	This ongo	ing project ide	ntifies flood ris	k in an area v	vith no detailed study info	ormation available.				
	The result	ting product wi	ll be utilized for	r flood zone d	etermination, help imple	ment solutions that				
	alleviate f	lood risk and ir	mprove water c	luality, and er	nhance the planning of fu	uture development in				
	the project	t area. Arcadia	a qualifies for a	75% cost sh	are as a REDI communit	ty as defined by				
	Florida St	atute. Under D	vistrict Policy 13	30-4, the Boa	rd can reduce the require	ements for				
	matching	tunas for RED	i communities.	ing						
Eunding Source	P	rior	Fund	19	Euturo	Total				
District	P	¢120.000		\$105 000		101dl 0225 000				
		φ120,000 ¢40.000		\$35 000		φ220,000 ¢75.000				
		\$160.000		\$140,000	ው በድ	\$75,000				

Project No. W218	SW IMP - V	- Water Quality - Anna Maria BMPs North Shore							
City of Anna Maria							FY2019		
Risk Level:	Туре 3			Multi-Year Yes, Year 3	Contract: of 3				
		Description							
Description:	Design, pe	ermitting and c	onstruction of	stormwater r	etrofits in the City of Anna	Maria to improve			
	water qua	ity discharging	to Tampa Bay	y, a SWIM pr	iority waterbody.				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of LID BMPs to the	reat approximately	/		
	77.6 acres	s of highly urba	inized stormwa	ater runoff. T	here will be no monitoring	or performance			
Costs	testing rec	uirements.)00 (Design in	ermitting co	estruction)				
00515.	City of An	na Maria: \$468	300 (Design, p 3 000	containing, co	istruction)				
	District: \$4	168,000, with \$	313.000 buda	eted in previ	ous vears, and \$155,000	requested in			
	FY2019.		, 0	•					
			Evalua	ation					
Application Quality:	High	Application in	Application included all the required information identified in the CFI Guidelines.						
Project Benefit:	High	The Resourc	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 68,200 lb/yr TSS, and 1,452							
	Link	l Ib/yr TN.							
Cost Enectiveness:	High	The estimated cost/ib of TSS and TN removed is below the historical average of \$20/ib							
		\$46.947/acre	treated for Co	astal/LID pro	iects.		51		
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 1 on	going project.			
Complementary Efforts:	High	The City has	an active storr	nwater utility	that collects fees.				
Project Readiness:	High	Project is on	schedule and	budget.					
			Strategio	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop			
		and impleme	ent programs, p	projects and	regulations to maintain an	id improve water			
		quality.							
		Tampa Bay	Region Priorit	y : Improve L	ake Thonotosassa, Tamp	a Bay, Lake Tarpo	n		
		and Lake Se	minole. I Panking and	Pocommon	dation				
Fund as 1A Priority.	This ongo	ing project has	an effective s	ediment and	nutrient removal cost, an	d will continue			
	efforts by	the City to red	uce stormwate	er impacts to	Tampa Bay, a SWIM prior	rity water body.			
	,	ý	Fund	ling		, ,			
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$313,000		\$155,000	\$0		\$468,000		
City of Anna Maria		\$313,000		\$155,000	\$0		\$468,000		
Total		\$626,000		\$310,000	\$0		\$936,000		

Project No. W638	SW IMP - V	SW IMP - Water Quality - Holmes Beach BMPs Basins 1,2,6,7 and 10							
Holmes Beach						FY2019			
Risk Level:	Туре 3			Multi-Year Yes, Year 3	Contract: of 3				
			Descri	iption					
Description:	Design, pe water qua	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	actual Measura ighly urbanized ents.	able Benefit is d stormwater r	the construct unoff. There	ion of LID BMPs to treat will be no monitoring or p	approximately 127 performance testing			
Costs:	Total proje City of Ho District: \$7 FY2019.	al project cost: \$1,473,152 (Design, permitting, construction) / of Holmes Beach share: \$736,576 trict: \$736,576, with \$460,360 budgeted in previous years, and \$276,216 requested in 2019							
			Evalu	ation					
Application Quality:	High	Application in	Application included all the required information identified in the CFI Guidelines.						
Project Benefit:	High	The Resource Sarasota Bay 2,377 lb/yr Th	The Resource Benefit of this water quality project is the reduction of pollutant loads to 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 an	assessment o	f the schedul	e and budget for the 1 on	igoing project.			
Complementary Efforts:	High	The City has	an active storr	mwater utility	that collects fees.				
Project Readiness:	High	Project is ong	joing and on s	chedule.					
			Strategi	c Goals					
Strategic Goals:	High	 Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality. Southern Region Priority: Improve Charlotte Harbor, Sarasota Bay and Shall/Draisia (Japhua grapha) 							
		Overal	I Ranking and	d Recommen	dation				
Fund as 1A Priority.	This ongo efforts by	ing project has the City to red	an effective s uce stormwate	ediment and er impacts to	nutrient removal cost , ar Sarasota Bay , a SWIM p	nd will continue riority water body.			
			Func	ling					
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$460,360		\$276,216	\$0	\$736,576			
Holmes Beach		\$460,360		\$276,216	\$0	\$736,576			
Total		\$920,720		\$552,432	\$0	\$1,473,152			

Project No. N786	Dona Bay Surface Water Storage Facility								
Sarasota County						FY2019			
Risk Level:	Type 2			Multi-Year	Contract:				
				Yes, Year 2	of 3				
	Description								
Description:	Constructi	on of a 380 ac	re surface wat	er storage ar	nd treatment facility to imp	rove water quality			
	in Dona B	in Dona Bay. This Facility is in the second stage of the implementation plan for Dona Bay.							
	Project de	oject design and associated costs are currently being reviewed by the County.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of a 380 acre stol	rage and treatment			
	testing rec	accordance wit	n the permitted	u pians. Thei	e will be no monitoring of	penormance			
Costs	Total Proje	ect Cost: \$8.00	0 000 (Third F	Party Review	and Construction Final de	esian will be subject			
	to a third r	party review to	confirm cost e	estimate.)					
	Sarasota	County: \$4,000	0,000	,					
	District: \$4	1,000,000, with	\$1,200,000 b	udgeted in pr	evious years, \$800,000 re	equested in FY2019			
	and \$2,00	0,000 anticipa	ted to be reque	ested in futur	e years.				
			Evalua	ation					
Application Quality:	Medium	The application	on included mo	ost of the req	uired information identified	d in the CFI			
		Guidelines. D	istrict PM/CM	had to work	with cooperator to obtain i	remaining required			
	Lline	information.							
Project Benefit:	High	The Resource Benefits of the project is the reduction of pollutant loads by an							
		estimated 940 lbs/year of TN and a 10% improvement in saltwater habitat of over 77							
Cost Effectiveness:	High	The estimated cost/lb of TN removed is higher than historical average of \$224/lb. The							
	, ingri	cost effectiveness is solely an analysis of the estimated project cost as compared to							
		the costs of similar projects. However, the project will offer a significant benefit related							
		to improved saltwater habitat and increased salinity in Dona Bay.							
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 6 ongoing projects.							
Complementary Efforts:	High	The County h	as an active s	tormwater uti	lity that collects fees.				
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1, 2018.				
			Strategio	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop			
		and impleme	nt programs, p	projects and r	regulations to maintain an	d improve water			
		quality.							
		Strategic Ini	tiative - Conse	ervation and	Restoration: Identify criti	cal			
		restoration	any sensitive e	ecosystems a	nd implement plans for pr	otection or			
		Southorn Pr		Improve Chr	arlotte Harbor, Sarasota B	av and			
		Shell/Prairie	Joshua creeks	s inipiove one		ay and			
		Overal	I Ranking and	Recommen	dation				
Fund as High Priority.	The Coop	erator has fund	ded design and	d permitting u	ising its own funds. The D	District will complete			
	the third p	arty review aft	er the County	executes the	2018 Cooperative Fundir	ng agreement and			
	finalizes p	roject design a	and costs. Anti	cipating favor	rable results from the third	l party review, and			
	with the understanding that the Governing Board will need to provide approval to proceed, this								
	project is	recommended	for funding.						
	_		Fund	ling					
Funding Source	<u>Р</u>	rior	FY20	19	Future	Iotal			
		\$1,200,000		\$800,000	\$2,000,000	\$4,000,000			
Sarasota County		\$1,200,000		\$800,000	\$2,000,000	\$4,000,000			
Total		\$2,400,000		\$1,600,000	\$4,000,000	\$8,000,000			

Project No. N823	AWS Interconnect- PRMRWSA Regional Integrated Loop System Phase 3B								
PRMRWSA						FY2019			
Risk Level:	Type 2			Multi-Year (Contract:				
		Yes, Year 3 of 5							
		Description							
Description:	I ne project will design and construct an extension of the Authority's Regional Integrated Loop								
	System to	System to provide a regional water transfer and delivery system for existing and future drinking							
	Authority's	water sources within the Authonity's four-county service area. The project will extend the							
	along Cov	/ Pen Slough	northward and	provimately 5	2 miles to Clark Road (SI	R-72) in central			
	Sarasota (County, Fundir	na in FY2019 v	will support co	instruction phase.				
Measurable Benefit:	The Meas	urable Benefit	which will be	the contractua	al requirement is the cons	struction of a			
	componer	nt of the Regio	nal Integrated	Loop System	to deliver an estimated 7	mgd of alternative			
	water sup	plies, promote	regional resou	urce manager	ment efforts, and support	water supply goals			
	within the	SWUCA.	-	-					
Costs:	Total proje	ect cost: \$16,7	00,000 (Desig	n, permitting,	third-party review, and co	onstruction)			
	Authority s	share: \$8,100,	000						
	District: \$8	3,100,000							
	State shar	re: \$500,000, k	budgeted by A	uthority and a	pplied to final design.				
	rovisod co	conceptual to	al project cost	submitted in	F12017 Was \$20,907,00	0. The current			
	revised cost is \$16,700,000 based on completion of 30% Design.								
Application Quality:	Medium	Application in	cluded most c	of the required	information identified in	the CEI quidelines.			
		District PM h	ad to work with	h cooperator f	o obtain remaining requir	red information.			
Project Benefit:	High The resource benefit is the improved regional distribution of alternative water supplies								
		in the SWUCA.							
Cost Effectiveness:	High	The cost effe	ctiveness app	ears reasonal	ble and consistent with th	e District 's average			
Deet Deufeursen en	Lliab	Costs for simi	lar projects.	f the echodul	and hudget for the 2 on	aging projects			
Complementary Efforts:	High	Applicant pro	vides wholesa	le alternative	water supplies to Charlot	tte DeSoto and			
complementary Enorts.	Tiigii	Sarasota Col	unties and the	City of North	Port.				
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1, 2018.				
		1	Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Alteri	native Water	Supplies: Increase devel	opment of			
		alternative s	ources of wate	er to ensure g	roundwater and surface v	vater sustainability.			
		Southern Re	egion Priority	: Implement S	Southern Water Use Cauti	ion Area (SWUCA)			
		Recovery St	rategy.	Bacommon	dation				
Fund as High Priority.	The third-	narty review is	complete and	was present	ed to the Governing Boar	d on January 23rd			
,	2018. The	Governing Bo	ard approved	amending the	e Authority's Cooperative	Funding Agreement			
	to continu	e through proje	ect final desigr	n, permitting,	and construction at a tota	I project cost of			
	\$16,700,0	00 for the app	roximately 5.2	-mile intercon	nect with a District share	of \$8,100,000.			
	Ranking h	as changed fr	om 1A to High	due to decre	ase in project cost and re	evaluation.			
			Fund	ding					
Funding Source	P	rior	FY20	19	Future	Total			
District		\$1,230,000		\$5,700,000	\$1,170,000	\$8,100,000			
Authority		\$1,230,000		\$5,700,000	\$1,170,000	\$8,100,000			
State		\$500,000		\$0	\$0	\$500,000			
Total		\$2,960,000		\$11,400,000	\$2,340,000	\$16,700,000			

Project No. N842	DAR - City of Bradenton Aquifer Protection Recharge Well							
City of Bradenton						FY2019		
Risk Level:	Type 2			Multi-Year Yes, Year 2	Contract: of 5			
	-		Descr	iption				
Description:	Continuati independe local storn will consis appurtena and third-p monitor we constructio	Continuation of the FY2018 project to include final design, permitting, construction, testing, and independent performance evaluation of one Upper Floridan aquifer treated wastewater and/or local storm water recharge well site with monitor wells, and ancillary surface facilities. The site will consist of one 5 mgd recharge well, two monitoring wells, and necessary transmission and appurtenances for recharge and monitoring. Funding was approved in FY2018 for 30% design and third-party review (TPR). FY2019 funds are to complete the design of the recharge well, monitor wells, and the surface facilities, and to begin well construction. Future funding will be for						
Measurable Benefit:	The contra	actual Measura	able Benefit is	the design, p	ermitting, construction an	d testing of the		
	site, includ are favora will include using a fiv	ling completion ble and with a e operation of e-year moving	n of an indepe dditional Gove the site for 20 i average.	endent perforr erning Board a years at a mi	nance review. If performa approval, the contractual nimum injection rate of 5	nce review results Measurable Benefit mgd calculated		
Costs:	Total proje	ect cost: \$5,05	0,000 (design,	TPR, permit	ting, construction, testing,	and independent		
	performan City of Bra District sh FY2019 at	ice review); adenton share: are: \$2,525,00 nd \$1,025,000	\$2,525,000; 0 with \$500,0 anticipated to	00 budgeted be requested	in previous year, \$1,000,0 d in future years.	000 requested in		
		_	Evalu	ation	,			
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	ligh The benefit of this project is to expand the use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA. Future stages may include storm water						
Cost Effectiveness:	High	The project is	consistent wi	th the range	of costs for similarly funde	ed District projects.		
Past Performance:	High	Based on an	assessment c	of the schedul	e and budget for 2 ongoir	ng projects.		
Complementary Efforts:	High	The City deve and protect the shortage orde	eloped and im neir water sup ers enforceabl	plemented a ply. It include e pursuant to	Water Demand Managem s conservation measures City Ordinance #2650.	nent Plan to manage and District water		
Project Readiness:	High	Project is ong	going and on s	chedule.				
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini water to offse Southern Re Recovery St	tiative - Recla et potable wat egion Priority rategy.	aimed Water: er supplies a : Implement S	Maximize beneficial use nd restore water levels an Southern Water Use Cauti	of reclaimed nd natural systems . ion Area (SWUCA)		
Fund as High Priority.	The City a	and District are	anticipated to	complete 30	% design and TPR by ea	rlv 2019.		
	The City and District are anticipated to complete 30% design and TPR by early 2019. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable results from the TPR, and understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY2019 funding to complete design and begin construction of one Upper Floridan aquifer treated wastewater and/or local storm water recharge well site with monitoring wells, and ancillary surface facilities. The City may pursue potential future net benefit or impact offset potable water supply based on this project. If pursued, contractually, the City will be required to be in compliance with District cooperative funding guidelines, policies, and procedures and water use permitting rules. If successful, this project is expected to improve aquifer water level conditions in the MIA of the SWUCA.							
Funding Source	P	rior	FY20	19	Future	Total		
City of Bradenton	· ·	\$500.000		\$1,000,000	\$1,025,000	\$2,525.000		
District		\$500,000		\$1,000,000	\$1,025,000	\$2,525,000		
Total		\$1,000,000		\$2,000,000	\$2,050,000	\$5,050,000		

Project No. N854	ASR - PRMRWSA Partially Treated Water ASR								
PRMRWSA						FY2019			
Risk Level:	Туре 3			Multi-Year	Contract: of 4				
Description									
Description:	This proje	ct is for design	, permitting ar	d constructio	n of a full scale partially tr	eated water aquifer			
	storage and recovery project located at the Peace River Manasota Regional Water Supply								
	Authority (Authority (PRMRWSA) ASR facility. Funding was approved in FY18 for completion of site							
	testing, 30	% design and	third-party rev	view. The Dis	rict required a third-party	review because the			
	conceptua	I construction	estimate is gre	eater than \$5	million dollars. The FY19	funding request is			
Maaaurahla Danafitu	The comple	etion of design.	his Deve fit		· · · · · · · · · · · · · · · · · · ·				
measurable benefit:	the partial			that will incra	ion of design, permitting a	nd construction of			
	mad annu	al average and	h increase the		ase ASR system recovery	enciency by 5			
Costs	Total proje	at average and	5 000 (design	third party re	view permitting and cons	truction)			
	PRMRWS	A share: \$3.99	90.000						
	District sh	are: \$3,765,00	0 with \$120,50	00 budgeted	in previous years, \$375,00	00 requested in			
	FY19 and	\$3,269,500 ar	nticipated to be	e requested in	n future years.				
			Evalu	ation					
Application Quality:	High	Application in	cluded all the	required info	rmation in the CFI Guidlin	es.			
Project Benefit:	High	The project w	vill beneficially	increase the	PRMRWSA system drink	ing water supply			
		capacity and	reliability at th	e current faci	lity by 3 mgd and will pote	entially 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							
		tavorably with the less than \$9.99 standard for Total Capital Cost/gpd of water resource							
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 2 on	aoina proiects.			
Complementary Efforts:	High	Cooperator h	as a program	in place that	includes metering and an	incentive based			
		reuse rate str	ucture for high	n volume use	rs and has proactive recla	imed expansion			
		policies which	n maximize uti	lization and e	nvironmental benefits.	•			
Project Readiness:	High	Project is ong	joing and on s	chedule.					
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Alteri	native Water	Supplies: Increase devel	opment of			
		alternative so	ources of wate	er to ensure g	roundwater and surface w	/ater sustainability.			
		Southern Re	gion Priority	: Implement S	Southern Water Use Cauti	on Area (SWUCA)			
		Recovery St	rategy.		1.4				
Fund as High Priority		Overal	Ranking and	Recommen	dation	view by Mey 2010			
i unu as riigiri nonty.	Contractu	ally the PRMF	WSA will nee	d Governing	Board approval to proceed	d beyond third-narty			
	review. Ar	nticipating favo	rable informat	ion from the t	hird-party review, and wit	h the understanding			
	that the G	overning Boar	d will need to	provide appro	val to proceed, staff is re	commending FY19			
	funding fo	r completion o	f design. The	2015 PRMRV	VSA's Regional Water Su	pply Plan indicates			
	that additi	onal water sup	plies will be re	equired in 202	23. The schedule for comp	pletion of this			
	project is	close to 2023 a	and would pro	vide for a por	tion of the required addition	onal supply needed.			
			Func	ding					
Funding Source	P	rior	FY20	19	Future	Total			
District		\$120,500		\$375,000	\$3,269,500	\$3,765,000			
PRMRWSA		\$345,500		\$375,000	\$3,269,500	\$3,990,000			
Total		\$466,000		\$750,000	\$6,539,000	\$7,755,000			

Project No. N912	ASR - Braden River Utilities ASR Feasibility								
Braden River Utilities							FY2019		
Risk Level:	Type 2			Multi-Year	Contract:				
		Yes, Year 2 of 3							
		Description							
Description:	Construction	on of two sites	each includin	g the constru	iction of an ASR well, two	storage zone wells	;		
	and one up	oper zone mor	nitoring well; p	artial infrastru	ucture consisting of simpli	fied control system,	,		
	temporary	temporary piping, pumps and other associated infrastructure.							
Measurable Benefit:	The contra	ictual Measura	able Benefit wi	Il be the cons	struction, testing and subr	mittal of a FDEP			
Costs:	Total proje	ct cost \$5 005	000 (Third pa	or each site.	opetruction testing and r	equired permit			
00515.	deliverable	ci cosi 40,990	,000 (milu-pa	arty review, G	onstruction, testing, and to	equileu permit			
	Braden Riv	,s). /er Utilities sh:	are: \$2 997 50	0					
	District sha	are: \$2.997.50	0. \$1.945.625	requested in	prior vears. \$790.625 rec	puested in FY2019.			
	and \$261,2	250 anticipate	d to be reques	ted in future	years.	· · · · · · · · · · · · · · · · · · ·			
		·	Evalu	ation					
Application Quality:	High	The application	on included all	the required	information identified in the	he CFI Guidelines.			
Project Benefit:	High	The benefit o	f this project is	s the optimiza	ation of reclaimed water su	upplies through			
		increasing we	et weather stor	rage, reducin	g reliance on groundwate	r and contributing to	С		
		the recovery	of the MIA of t	he SWUCA.	The two initial sites would	l provide			
		approximatel	y a combined	3 to 4 mgd in	jection and recovery capa	acity. Feasibility at			
		these two sites could also result in the development of four additional sites in the							
	L l'arte	Tuture with the peak injection capacity of 19 mgd.							
Cost Effectiveness:	COSt is reasonable for the testing scope necessary to evaluate reasibility. The project								
Past Performance:	High Based on an assessment of the schedule and hudget for 1 ongoing project(s)								
Complementary Efforts:	High	BRU has ado	nted a Water	Conservation	Plan that has been subm	nitted to the District			
Complementary Enerte.	. ngit	as part of its	Water Use Pe	rmit. BRU als	so secured a Master Reus	e Permit with the			
		FDEP and is	currently ame	nding their W	UP to place 4.0 mgd on s	stand-by.			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1st of the fiscal y	ear the funding is			
		being reques	ted.						
			Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	tiative - Alteri	native Water	Supplies: Increase devel	opment of			
		alternative so	ources of wate	er to ensure g	roundwater and surface v	vater sustainability.			
		Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed			
		water to onse	et potable wat	er supplies a	no restore water levels an	id natural systems.			
					1.0				
Eurod og High Drigrity	This appei	Overal	I Ranking and	Recommen	Idation	vill complete the			
Fullu as high Fholity.	third party	roviow in EV2	018 Anticipat	ing favorable	SR System. The District w	ty roviow, and with			
	the unders	tanding that the	e Governing	Roard will ne	ed to provide approval to	proceed Staff is			
	recommen	dina FY2019	fundina for co	nstruction and	d testina.				
		J	Func	ling					
Funding Source	Pi	ior	FY20	19	Future	Total			
District		\$1,945,625		\$790,625	\$261,250	\$2	2,997,500		
Braden River Utilities		\$1,945,625		\$790,625	\$261,250	\$2	2,997,500		
Total		\$3,891,250		\$1,581,250	\$522,500	\$5	5,995,000		

Project No. N947	Study - Mic	dnight Pass R	oad Flood Control Study						
Sarasota County					FY2019				
Risk Level:	Туре 3		Multi-Year	Contract: No					
Description									
Description:	The projec	he project includes a feasibility study to evaluate coastal barrier island flooding on Midnight							
	Pass Road	d, identify solu	tions to improve the level o	f service, and determine t	he flood protection				
	level of se	rvice that can	be achieved for this evacua	ation route. FY2019 fundir	ng will be used to				
Macaurahla Banafiti	complete t	the feasibility si	udy.						
measurable benefit:	island floo	urable Benefit	will be the completion of a	itions to improve the level					
	determine	the flood prote	ection level of service that	can be achieved for this even	vacuation route.				
Costs:	Total proje	ect cost \$300,0	00						
	Sarasota	County share S	\$150,000						
	District \$1	50,000 reques	ted in FY2019.						
			Evaluation						
Application Quality:	High	Application in	cluded all the required info	rmation identified in the C	FI Guidelines.				
Project Benefit:	High	Analyze flood	Analyze flooding problems that have occurred within the coastal barrier island and						
		identify possi	provide alternatives to relieve street flooding. Modeling and alternative analysis will						
Cost Effectiveness:	Hiah	Project cost is comparable to other prior projects with similar scopes							
Past Performance:	Medium	Based on an	assessment of the schedul	le and budget for the 6 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, 2018.					
			Strategic Goals						
Strategic Goals:	Medium	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.					
Fund as High Priority	This proje	Overal ot identifies fle	I Ranking and Recommer	Idation	available. The				
Fund as Flight Flight.	resulting r	voduct will be	used to identify solutions to	ietalied study information	ice on Midnight				
	Pass Roa	d. and determi	ne the flood protection leve	el of service that can be a	chieved for this				
	evacuation	n route.	··· ··· ··· ··· ··· ··· ··· ··· ··· ··						
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
District		\$0	\$150,000	\$0	\$150,000				
Sarasota County		\$0	\$150,000	\$0	\$150,000				
Total		\$0	\$300,000	\$0	\$300,000				

Project No. N979	Conservat	onservation-North Port Water Distribution System Looping								
City of North Port							FY2019			
Risk Level:	Type 2			Multi-Year	Contract: No					
			Descri	iption						
Description:	Constructi	Construction of approximately 7,500 feet of new potable water lines and associated components								
	necessary	ecessary to eliminate dead ends. This is considered a utility-based supply side conservation								
	project, ar	nd will reduce r	outine flushing	g in four area	s by allowing potable wat	er circulation in the				
	southern a	outhern area of the city.								
Measurable Benefit:	The Meas	urable Benefit,	, which will be	the contractu	al requirement, is the cor	nstruction of				
	approxima	ately 7,500 feet	t of new potab	le water lines	and associated compon-	ents to eliminate				
Costs:	Total Proje	ect cost: \$704	000 (Construc	tion)						
	City of No	rth Port share:	\$352,000							
	District sh	are: \$352,000								
			Evalu	ation						
Application Quality:	Medium	Application in	cluded most o	of the required	d information in the CFI g	uidelines. District				
	LUmb	staff had to w	ork with coope	erator to obta	in remaining required info	ormation.				
Project Benefit:	High	I ne benefit o	t the project is	Coution Area	ation of approximately 36	,493 gallons per da	У			
Cost Effectiveness:	Medium	Project cost e		s between \$3	(3000CR).	and gallons saved				
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for the 4 on	ana galiene cavea.				
Complementary Efforts:	High	Cooperator p	er capita is be	low 75.		. <u>go</u> g p. ojecto:				
Project Readiness:	High	Proiect is rea	dv to begin on	or before De	ecember 1. 2018.					
	, ngi		Strategi	c Goals	,					
Strategic Goals:	High	Strategic Ini	tiative - Cons	ervation: Enl	hance efficiencies in all w	ater-use sectors.				
		Southern Re	aion Priority	Implement S	Southern Water Use Caut	ion Area (SWUCA)				
		Recovery St	rategy.							
		Overal	I Ranking and	d Recommen	dation					
Fund as High Priority.	This proje	ct will conserve	e potable wate	er in the SWL	ICA. The City of North Po	ort's low compliance	;			
	per capita	means that cu	ustomer based	conservation	n projects are limited in po	otential and				
	utility-base	ed supply side	conservation	projects are o	one of the few remaining	options. This project	π			
		ce system enit	Func	lina		r supply sources.				
Funding Source	Р	rior	FY20	19	Future	Total				
District		\$0		\$352,000	\$0)	\$352,000			
City of North Port		\$0		\$352,000	\$0)	\$352,000			
Total		\$0		\$704,000	\$0)	\$704,000			

Project No. N982	Conservat	Conservation- Manatee County Toilet Rebate Project, Phase 12							
Manatee County							FY2019		
Risk Level:	Type 1			Multi-Year	Contract: No				
			Descri	otion					
Description:	Financial i	ncentives to re	sidential custo	mers for the	replacement of convention	onal toilets with			
	high-efficie	ency toilets tha	t use 1.28 gall	ons per flusł	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 ar	nd program a	administration for the repl	acement of			
	approxima	itely 1,000 high	n flow toilets. A	lso included	are educational materials	s, program			
	promotion	, and surveys i	necessary to ei	nsure the su	ccess of the program.				
Measurable Benefit:	The Meas	urable Benefit,	which is the c	ontractual re	equirement, will be the imp	plementation of the			
	program a	ind the comple		Report.					
Costs:	Nonotoo (,000;						
	District: \$7	75 500	ю,						
	District. W	0,000.	Evalua	tion					
Application Quality:	High	Application in	cluded all of th	e required ir	nformation identified in the	e CFI Guidelines.			
Project Benefit:	High	The benefit o	f this project is	an estimate	d 26,380 gpd of water co	nserved in the			
	Ū	Southern Wa	ter Use Cautio	n Area (SWl	JCA).				
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.0	0 per thousand gallons sa	ived.			
Past Performance:	High	Based on an	assessment of	the schedu	le and budget for the 2 on	igoing projects.			
Complementary Efforts:	Medium	Cooperator p	er capita is bet	ween 75 an	d 125 gcpd.				
Project Readiness:	Medium	Project is rea	dy to begin on	or before M	arch 1, 2018.				
		I	Strategic	Goals					
Strategic Goals:	High	Strategic Ini	tiative - Conse	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	Recommer	ndation				
Fund as High Priority.	The proje	ct conserves p	otable water su	ipply in the S	SWUCA and is cost effect	ive.			
			Fund	ing					
Funding Source	P	rior	FY201	19	Future	Total			
District		\$0		\$75,500	\$0		\$75,500		
Manatee County		\$0		\$75,500	\$0		\$75,500		
Total		\$0		\$151,000	\$0		\$151,000		

Project No. N991	WMP - Sar	asota Bay Wa	tershed Management Plan	BMP Analysis						
Sarasota County					FY2019					
Risk Level:	Туре 3		Multi-Year	Contract:						
			Yes, Year 1	of 2						
			Description							
Description:	Complete	mplete a Watershed Management Plan for the Sarasota Bay Watershed in Sarasota County.								
	A water qu	water quality model was previously developed for the Sarasota Bay Watershed, and floodplain								
	models ha	odels have been developed for each of the subwatersheds. These include the Coastal Fringe,								
	Hudson Ba	ayou, Phillippi	Creek and Whitaker Bayou	Watershed models. FY20	019 funds will be					
	used to co	mplete flood p	rotection and water quality	alternative analysis tasks	including					
	Stormwate	er Level of Ser	vice analysis (LOS), Surfac	e Water Resource Assess	sment (SWRA), and					
	Best Mana	agement Pract	ices (BMP) alternative anal	ysis.						
Measurable Benefit:	The benef	it will be the co	ompletion of alternative ana	lysis information that is cr	itical to better					
	identity flo	od damage an	d cost effective alternatives	s for water quantity and qu	uality.					
Costs:	Total proje	ect cost \$600,0	00							
	Sarasota	County: \$300,0								
	District: \$3	300,000 with \$	200,000 requested in FY20	19, and \$100,000 anticipa	ated in future years.					
	N4 11		Evaluation							
Application Quality:	Medium	Application in	icluded most of the required	d information identified in t	the CFI guidelines.					
Droject Deposit	High	The herefit e	f the project is the complete	ator to obtain remaining re						
Project Benefit:	підп		The project is the completion of the completion of the completion of the identification of the completion of the complet	on of east offective alternat	RA, and BMP					
		allemative an	auality	IT OF COST Effective alternat	ives for water					
Cost Effectivoness	High	quantity and quality.								
Dast Porformanco:	Medium	Based on an	assessment of the schedul	e and budget for the 6 on	noina projects					
Complementary Efforts:	High	Cooperator's	Community Ranking Syste	m class is 5 and is in the	5 or better range.					
Project Readiness:	High	The project is	ready to begin on or befor	e December 1, 2018.						
	- ngri		Strategic Goals							
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Ass	essment and Planning [.] (Collect and					
3		analvze data	to determine local and req	ional water quality status	and trends to					
		support reso	urce management decision	s and restoration initiative	es.					
		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.	-					
		Southern Re	egion Priority: Improve Cha	arlotte Harbor, Sarasota B	Bay and					
		Shell/Prairie/	Joshua creeks.							
		Overal	I Ranking and Recommen	dation						
Fund as High Priority.	This proje	ct will utilize ex	kisting watershed models to	o complete flood protection	n and water quality					
	alternative	e analysis task	s including Stormwater Lev	el of Service analysis (LO	S), Surface Water					
	Resource	Assessment (SWRA), and Best Manager	ment Practices (BMP) alte	rnative analysis for					
	the Saras	ota Bay Water	shed.							
Englin 0	_		Funding	E.A.	T-4-1					
Funding Source	<u>Р</u>		F12019		Iotal					
		\$0	\$200,000	\$100,000	\$300,000					
Sarasota County		\$0	\$200,000	\$100,000	\$300,000					
Total		\$0	\$400,000	\$200,000	\$600,000					

Project No. N992	Conservat	Conservation - City of Venice Toilet Rebate and Retrofit Project - Phase 6								
City of Venice							FY2019			
Risk Level:	Type 1			Multi-Year	Contract: No					
		Description								
Description:	Financial i	ncentives to re	esidential custo	mers for the	replacement of convention	onal toilets with				
	high-efficie	ency toilets tha	t use 1.28 gall	ons per flusł	n or less and to commerci	al customers for				
	the replac	ement of conve	entional toilets	with ultra-lo	w flow toilets that use 1.6	gallons per flush or				
	less. This	project will incl	lude rebates ar	nd program a	administration for the repla	acement of				
	distributed	These includ	e educational r	naterials lo	w-flow shower heads and	Leak detection dve				
	tablets. Al	so included are	e program pron	notion and s	urvevs necessary to ensu	re the success of				
	the progra	im.	e p. eg. a p. e							
Measurable Benefit:	The Meas	urable Benefit,	, which is the c	ontractual re	equirement, will be the imp	elementation of the				
	program a	and the comple	tion of a Final I	Report.						
Costs:	Total proje	ect costs: \$58,9	900;							
	City of Vel	City of Venice: \$29,450;								
	DISTINCT. 42	29,450.	Evalua	ation						
Application Quality:	Hiah	Application in	cluded all of th	e required in	nformation identified in the	e CFI Guidelines.				
Project Benefit:	High	The benefit o	f this project is	an estimate	d 4,990 apd of water cons	served in the				
		Southern Wa	ter Use Caution	n Area (SWl	JCA).					
Cost Effectiveness:	Medium	Project cost e	effectiveness is	between \$3	3.01 and \$6.00 per thousa	nd gallons saved.				
Past Performance:	High	Based on an	assessment of	the schedul	e and budget for the 1 on	going project.				
Complementary Efforts:	High	Cooperator p	er capita is bel	ow 75 gpcd.						
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: 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	II Ranking and	Recommen	dation					
Fund as High Priority.	This proje	ct conserves p	otable water s	upply in the	SWUCA.					
Funding Course		rio r	Fund	ing 10	Euture	Total				
District	- P	101 ¢∩		\$20.450			\$29.450			
City of Venice		ው በቃ		\$29,450	ېن ۵۷		\$29,450			
Total		\$0 \$0		\$58,900	\$0 \$0		\$58,900			

Project No. Q005	Reclaimed Water	-Tropic	ana Industrial	Reclaimed V	Vater Construction Proj	ect				
Tropicana							FY2019			
Risk Level:	: Type 2			Multi-Year (Contract: No					
	-		Descri	iption						
Description:	Design, permittir	g and c	onstruction of	approximatel	y 6,300 feet of reclaimed	water transmission				
	mains, 0.5 MGD	iains, 0.5 MGD membrane treatment systems, 0.08 MG of storage, 0.5 MGD pumping and								
	other necessary	appurte	nances to sup	ply ultra-pure	Industrial reclaimed wate	er for power				
	Facility.	ng wate		in-polable pro	cess uses at the mopica					
Measurable Benefit:	The Measurable	Benefit	, which will be	the contractu	al requirement, is the su	pply and utilization				
	of 0.5 mgd of red	laimed	water to an ind	dustrial custor	mer in the Most Impacted	d Area (MIA) area of				
	the Southern Wa	iter Use	Caution Area	(SWUCA).						
Costs:	Total Project Cos	st: \$4,80	0,000 (Desigr	n, Permitting,	Construction);					
	Cooperator Shar	e: \$2,4	50,000;							
	District Share: \$	2,350,0	JU. Evalu	ation						
Application Quality:	Medium Appli	cation ir	cluded most c	of the required	Linformation in the CEL o	uidelines District				
Approation duality.	PM/C	M had	to work with the	e cooperator	to obtain remaining requi	ired information.				
Project Benefit:	High The s	upply o	f 0.5 mgd of re	claimed wate	r to an industrial custom	er for an anticipated				
	0.5 m	gd of w	ater savings in	the MIA of th	ne SWUCA.					
Cost Effectiveness:	High \$9.60	per ga	llon per day ca	pital cost whi	ch is below the \$10 to \$1	15 per gallon average				
	for all	ernativ	e supplies. The	e estimated co	ost effectiveness is \$2.3	1 per thousand gallon	IS			
	of wa	ter resc	urce benefit w	hich is within	the cost range for reuse	projects which				
	typica	ally rang	e from a low o	of \$0.15/1,000 aidential prois	galions for golf course p	projects up to				
Past Porformanco	High Base		the cooperator	having no on	CIS.	District they are				
rast renomiance.	ranke	d high.		naving no on						
Complementary Efforts:	High Tropi	cana ha	s pro-active er	nvironmental	policies including reclaim	ned water expansion				
	strate	gies wł	ich are intende	ed to maximiz	e utilization, water resou	irce benefits, and				
	envire	onmenta	al benefits. Tro	picana has, f	or decades, used 85,000) gpd of City of				
	Brade	enton R	eclaimed Wate	er for non-pota	able applications at their	facility. In FY2018				
	Tropi	cana tu	ly funded on th	neir own (no r	equested District funding	30% design for the	r			
	the n	oiect n	ior to processi	ing the funding	a agreement					
Proiect Readiness:	High Proje	ct is rea	dv to begin on	or before De	cember 1. 2018.					
			Strategi	c Goals	·					
Strategic Goals:	High Strat	egic In	itiative - Recla	imed Water:	Maximize beneficial use	of reclaimed				
	wate	r to offs	et potable wat	er supplies ar	nd restore water levels ar	nd natural systems.				
	Sout	hern R	egion Priority:	: Implement S	Southern Water Use Caut	tion Area (SWUCA)				
	Reco	overy St	rategy.							
		Overa	ll Ranking and	d Recommen	dation	· · · ·				
Fund as High Priority.	The project is re		nded tor fundir	ng as it reduce	es reliance on traditional	water sources in the				
	wha portion of th	6 3000	GA and is cost	ding						
Funding Source	Prior		FY20	19	Future	Total				
District		\$0		\$2,350,000	i uture	() \$2	350 000			
Tropicana		\$0 \$0		\$2,450,000	04 02	(µ2, (€2,	450 000			
Total		\$0		\$4,800,000	\$0 \$0) \$4.	800.000			
10101	1	÷ -		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	÷ •	1 + • ,	,			

Project No. Q008	Study - Upper M	udy - Upper Myakka Lake Water Control Structure and Restoration Options								
FDEP						FY2019				
Risk Level:	Type 2			Multi-Year (Contract: No					
	-	Description								
Description:	Conduct a feas structures at U provide habitat water body.	onduct a feasibility study to investigate the modification and/or removal of existing water control ructures at Upper Myakka Lake, a FDEP impaired water body, to improve water quality and/or ovide habitat restoration in the Myakka River and ultimately Charlotte Harbor, a SWIM priority ater body.								
Measurable Benefit:	The contractua	l Measura	able Benefit wil	I be the com	pletion of the study.					
Costs	Total project co Florida Departr District: \$110,0	iotal project cost: \$220,000 Florida Department of Environmental Protection (FDEP): \$110,000 District: \$110,000								
			Evalua	ation						
Application Quality:	High App	lication in	cluded all of th	e required in	formation identified in the	ne CFI Guidelines.				
Project Benefit:	High The and obje Rive qua	The benefit of the project is to complete a feasibility study for potential modification and/or removal of existing water control structures on Upper Myakka Lake with an objective to improve water quality and/or provide habitat restoration in the Myakka River and Charlotte Harbor, a SWIM priority water body. The study shall include quantification of the Resource Benefits for study alternatives								
Cost Effectiveness:	High Cos fund	High Costs appear to be reasonable and are consistent with the costs of similar District funded feasibility studies								
Past Performance:	High Bas	ed on an	assessment of	f the schedule	e and budget for the 1 o	ngoing project.				
Complementary Efforts:	High App wat	licant has er quality.	several comp	lementary eff	orts to preserve natural	systems and improve				
Project Readiness:	High Pro	ect is rea	dy to begin on	or before De	cember 1, 2018.					
			Strategio	: Goals						
Strategic Goals:	High Str and qua Str env res	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.								
	Sh	ll/Prairie/	Joshua creeks			Day and				
		Overal	Ranking and	Recommen	dation					
Fund as High Priority.	The project wil potentially importentially importentially importentially importentially importentially importentially importential terms and the myakka River and the myakka Rive	Overall Ranking and Recommendation The project will provide a feasibility study for the removal or modification of existing structures to potentially improve water quality in an impaired water body and/or provide habitat restoration in the Myakka River and ultimately in Charlotte Harbor, a SWIM priority water body.								
Eunding Source	Drier		EV20	19	Euturo	Total				
EDEP		¢∩	FIZU	\$110.000	Future					
District		ው በ ወ		\$110,000	 ቀ					
Total		\$0 \$0		\$220,000	<u> </u>	0 \$220,000				

Project No. Q020	Conservat	onservation-Braden River Utilities Soil Moisture Sensor Rebate Program Phase 2								
Braden River Utilities						FY2019				
Risk Level:	Type 1			Multi-Year	Contract: No					
		Description								
Description:	This proje	nis project will make available approximately 600 Soil Moisture Sensor (SMS) devices to								
	residential	customers. D	evices will be p	provided and	installed for project partie	cipants who do not				
	have a fun	ictioning devic	e. At the end o	f the project,	an evaluation comparing	g the effectiveness of				
	the soil mo	Disture sensors	s will be condu	cted. Also inc	cluded are education mat	erials, program				
Maggurable Banafiti		s and surveys	necessary to e	uill hatha iron	iccess of the program.					
weasurable beliefit.	completion	of a final rep	eable Benefit w	nii be the imp	plementation of the progra	am and the				
Costs:	Total proje	ct cost: \$308.	000:							
	BRU Shar	e: \$154,000;	,							
	District: \$1	154,000.								
	Evaluation									
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	CFI Guidelines				
Project Benefit:	High	igh The project benefit is an estimated water savings of 55,000 gpd of water conserved in								
		the Southern Water Use Caution Area (SWUCA).								
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00) per thousand gallons sa	aved.				
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget for 1 ongoin	ng project.				
Complementary Efforts:	Medium	The per capit	a is inbetween	75 and 125	gpcd.					
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018.					
		l	Strategio	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation: Enh	nance 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	dation					
Fund as High Priority.	This proje	ct conserves p	otable water s	upply in the S	SWUCA and is cost effec	tive.				
		•	Fund	ling	— .	=				
Funding Source	P	rior	FY20	19	Future	Total				
Diateint River Utilities		\$0		\$154,000	\$0	\$154,000				
		\$0 ¢0		\$154,000	\$U ¢0	\$154,000				
lotal		Ф О				φ306,000				

Project No. W215	SW IMP - V	W IMP - Water Quality - Anna Maria North Island BMPs Phase H and J								
City of Anna Maria					FY2019					
Risk Level:	Туре 3		Multi-Year Yes, Year 1	Contract: of 3						
		Description								
Description:	Design, pe water qua	esign, permitting and construction of stormwater retrofits in the City of Anna Maria to improve rater guality discharging to Tampa Bay, a SWIM priority waterbody.								
Measurable Benefit:	The contra 75 acres of permitted	he contractual Measurable Benefit will be the construction of LID BMPs to treat approximately 5 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the ermitted plans. There will be no monitoring or performance testing requirements.								
Costs:	Total proje City of An District: \$4 requested	otal project cost: \$913,500 (Design, permitting, construction) Dity of Anna Maria: \$456,750 District: \$456,750, with \$307,231 requested in FY2019, and \$149,519 anticipated to be equested in future years								
			Evaluation							
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required								
Project Benefit:	High	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 63,582 lb/yr TSS, and 1,468 lb/yr TN								
Cost Effectiveness:	High	The estimate TSS and \$64 \$46,947/acre	d cost/lb of TSS and TN re 6/lb TN, and the cost/acre treated for Coastal/LID pro	moved is below the histori treated is below the histor bjects.	ical average of \$20/lb ical average cost of					
Past Performance:	High	Based on an	assessment of the schedu	e and budget for the 1 on	going project.					
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.						
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2018.						
			Strategic Goals							
Strategic Goals:	High	HighStrategic 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								
		Overal	I Ranking and Recommer	dation						
Fund as High Priority.	This proje to Tampa	ct is cost effec Bay, a SWIM j	tive and will continue effort priority water body.	s by the City to reduce sto	ormwater impacts					
			Funding							
Funding Source	Р	rior	FY2019	Future	Total					
District		\$0	\$307,231	\$149,519	\$456,750					
City of Anna Maria		\$0	\$307,231	\$149,519 \$200,028	\$456,750					
Total	1	\$ 0	ן \$614,462	⊅∠ 99,038	JUC,500					

Project No. W302	SW IMP -	W IMP – Water Quality – Southeast Riverside Water Quality Improvements								
Palmetto						FY2019				
Risk Level:	Type 2			Multi-Year	Contract:					
		Yes, Year 1 of 2								
		Description								
Description:	Design an	d construction	of stormwater	improvemer	t BMPs and a collection s	system for currently				
	untreated	areas in the C	ity of Palmetto	to reduce po	ollutant loads to the Mana	tee River and				
	ultimately	Tampa Bay, a	SWIM priority	waterbody.						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of BMPs to treat	stormwater runoff				
	from appr	oximately 62 a	cres of urbaniz	zed watershe	d, in accordance with the	permitted plans.				
0	There will	be no monitor	ing or performation	ance testing	requirements.					
Costs:	City of Do	ect Cost: \$1,40	00,000 (Design	and Constru	JCtion)					
	District: \$	Thello share. 3	\$700,000 \$100,000 requi	acted in EV1	and \$600.000 anticipate	ad to be requested in				
	future vea	r5.	5100,000 leque		and \$000,000 anticipate	a to be requested in				
	,		Evalua	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 thi	s water quali	ty project is the reduction	of pollutant loads to				
-	-	the Manatee	River and Tam	npa Bay by a	n estimated 155 lbs/year	of TN.				
Cost Effectiveness:	High	The estimated cost/lb of TN removed is below the historical average cost of \$646/lb								
		and the per a	cre treated is l	below the his	torical average cost of \$4	6,947 for coastal				
		water quality	projects.							
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 1 on	going project.				
Complementary Efforts:	High	The City has	an active storr	nwater utility	that collects fees.					
Project Readiness:	High	The project is	s ready to begi	n on or befor	e December 1, 2018.					
		1	Strategio	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop				
		and impleme	ent programs, p	projects and	regulations to maintain ar	id improve water				
		quality.								
		I ampa Bay	Region Priorit	y: Improve L	ake Thonotosassa, Tamp	a Bay, Lake Tarpon				
			II Ranking and	Recommen	dation					
Fund as High Priority.	The proje	ct is cost effect	tive and will re	duce stormw	ater impacts to Tampa Ba	v a SWIM priority				
,	waterbody	y through a rec	luction in nutrie	ent loading.		,				
		,	Fund	ling						
Funding Source	Р	rior	FY20	19	Future	Total				
Palmetto		\$0		\$100,000	\$600,000	\$700,000				
District		\$0		\$100,000	\$600,000	\$700,000				
Total		\$0		\$200,000	\$1,200,000	\$1,400,000				

Project No. W639	SW IMP - V	V IMP - Water Quality - Bradenton Beach BMPs Avenues B and C								
Bradenton Beach							FY2019			
Risk Level:	Туре 3			Multi-Year Yes, Year 1	Contract: of 3					
		Description								
Description:	Design, pe	esign, permitting and construction of stormwater retrofits in the City of Bradenton Beach to								
	improve w	ater quality dis	scharging to Sa	arasota Bay,	a SWIM priority water boo	dy.				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the desi	gn, permitting, and constru	uction of LID BMPs				
	to treat ap	proximately 34	acres of high	ly urbanized	stormwater runoff. Constr	ruction will be done				
	in accorda	ance with the p	ermitted plans	. There will b	e no monitoring or perforr	nance testing				
Costs:	Total prois	nts.	030 (Design n	ermitting co	astruction)					
00313.	City of Bra	adenton Beach	: \$265.465	criming, co	istruction					
	District: \$2	265,465, with \$	570,465 reques	sted in FY20 ²	19, and \$195,000 anticipa	ted to be requested	1			
	in future y	ears.	· •							
			Evalua	ation						
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.				
Project Benefit:	High	The Resource	e Benefit of thi	s water quali	ty project is the reduction	of pollutant loads to	C			
		Sarasota Bay	ν, a SWIM prio	rity water boo	ly, by an estimated 24,10	5 lb/ yr TSS, and				
		676 lb/yr TN.								
Cost Effectiveness:	High	The estimate	d cost/lb of TS	S and TN rei	noved is lower than the hi	istorical average of				
		\$20/10 TSS a	nd \$646/ID TN	, and the cos	t/acre treated is below the	e historical average				
Past Performance:	High	Based on an	assessment of	f the schedul	e and budget for the 1 on	noing project				
Complementary Efforts:	High	The City has	an active storr	nwater utility	that collects fees.	going project.				
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1 2018					
,	i ligit		Strategio	c Goals						
Strategic Goals:	Hiah	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop				
g		and impleme	ent programs, p	projects and	regulations to maintain an	d improve water				
		quality.		,	0					
		Southern Re	egion Priority:	Improve Cha	arlotte Harbor, Sarasota B	Bay and				
		Shell/Prairie/	Joshua creeks	S.						
		Overal	I Ranking and	Recommen	dation					
Fund as High Priority.	This proje	ct is cost effec	tive and will co	ontinue efforts	s by the City to reduce sto	rmwater impacts				
	to Saraso	ta Bay, a Swin	vi priority water	r body. ling						
Eunding Source		rior	Fullo EV20	1119 19	Euturo	Total				
District		101 ¢0	1120	\$70.465	\$195 000	TOID	\$265 465			
Bradenton Beach	<u> </u>	لې ۵۶		\$70.465	\$195,000		\$265 465			
Total		\$0 \$0		\$140,930	\$390,000		\$530,930			
Project No. N780	Brackish - Punta Gorda RO Facility									
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City of Punta Gorda	FY2019					FY2019				
Risk Level:	Type 2			Multi-Year	Contract:					
		Yes, Year 5 of 5								
		Description								
Description:	The project	ct consists of th	ne design, wel	field testing	study, third-party review,	permitting, and				
	constructio	construction of a 4 mgd brackish groundwater reverse osmosis (RO) facility co-located at the								
	City's exis	ting 10 mgd SI	nell Creek surf	ace water tre	eatment facility. Compone	nts include the RO				
	facility, wa	ter blending fa	ncluding	2 mg tank, r	aw water supply weilfield,	and a concentrate				
Measurable Benefit:	The Meas	urable Benefit	which is a co	ntractual requ	uirement is to complete a	n exploratory well				
	testing pro	aram, provide	a final report.	and construe	ct the RO facility.					
Costs:	The total p	project cost: \$3	39,400,000 (De	esign, wellfiel	d testing study, third-part	y review, permitting,				
	and const	ruction).								
	City share	: \$22,850,000								
	State shar	e: \$900,000.								
	District sh	are: \$15,650,0	00 with \$9,07	5,000 budget	ed in previous years (a po	ortion under project				
	number N	600) and \$6,5	75,000 reques	ted in FY201	9.					
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	'El quidelines				
Project Repofit:	High	The benefit o	f this project is	to create 4	mad of alternative water s	upply and to ensure				
Project benefit.	riigii	the availabilit	v of the alterna	ative water si	ingu of allemative water s	k facility that is				
		currently ham	pered by pool	water qualit	v. as well as protecting na	atural systems by				
		increasing flo	w reliability to	the lower Sh	ell Creek Estuary.					
Cost Effectiveness:	Medium	Based on the	recent estima	te of \$39.4 n	nillion, the cost effectivene	ess is \$9.85				
		capital/gallon per day (gpd). Cost effectiveness between \$8 to \$10 capital/gpd is								
		considered medium per the CFI Evaluation Guidelines.								
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 1 on	going project.				
Complementary Efforts:	Medium	lium The Cooperator is financially contributing to the PRMRWSA Phase 1 Regional								
		Interconnect. Cooperator's per capita water use is 119 gpcd. Cooperator also conducts								
		narks	enorite. se			noval, and nature				
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018, pending	Governing Board				
-	Ŭ	approval of th	ne project desi	gn third-party	/ review.	, C				
		,	Strategi	c Goals						
Strategic Goals:	High	Strategic Ini	tiative - Alterr	native Water	Supplies: Increase devel	opment of				
		alternative so	ources of wate	er to ensure g	roundwater and surface v	vater sustainability.				
		Southern Re	egion Priority:	Implement S	Southern Water Use Caut	ion Area (SWUCA)				
		Recovery St	rategy.	Improve Ch	arlatta Uarbar, Caraaata (Day and				
		Shell/Prairie	loshua creek		anolle Harbor, Sarasola i	bay and				
		Overal	I Ranking and	l Recommen	dation					
Fund as Medium Priority.	The estim	ated project co	ost has increas	ed from \$32	.2 million to \$39.4 million,	based on				
	constructo	or's estimate at	90% design.	The City will	not request additional fun	ding and accepts				
	responsib	ility for additior	nal costs. The	cost effective	eness remains in the med	ium range. The CFI				
	Agreemer	nt required a th	ird-party revie	w of the well	field study, a third-party re	eview of the RO				
	Facility de	sign, and com	mencement of	construction	on the Phase 1 Pipeline	before the District				
		s completed a	nd approved in	action of the l	2017 The RO Facility de	siduy unitu-party sian third-party				
	review was completed and approved in September 2017. The RO Facility design third-party review was completed and approved in December 2017. The Phase 1 Pipeline construction is					ne construction is				
	scheduled	I to commence	in Summer 20	018.						
			Func	ling						
Funding Source	Р	rior	FY20	19	Future	Total				
District		\$9,075,000		\$6,575,000	\$0	\$15,650,000				
State (City budgeted)		\$900,000		\$0	\$0	\$900,000				
City of Punta Gorda		\$9,075,000		\$6,575,000	\$7,200,000	\$22,850,000				
Total		\$19,050,000		\$13,150,000	\$7,200,000	\$39,400,000				

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Tampa Bay Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings



Project No. N665	DAR - Clearwater Groundwater Replenishment Project Phase 3							
City of Clearwater						FY2019		
Risk Level:	Type 2			Multi-Year	Contract:			
		Yes, Year 5 of 7						
			Descri	ption				
Description:	The project	t consists of d	esign, third-pa	irty review, pe	ermitting and construction	for the full-scale		
	water purif	ication plant, a	and the injection	on and monite	or well systems at Clearw	ater's Northeast		
	Water Rec	Water Reclamation Facility to recharge 2.4 mgd annual average of purified recycled water. This						
-	application	requests the	remaining fun	ds necessary	to complete project cons	truction.		
Measurable Benefit:	The contra	ctual Measura	able Benefit wi	Il be to recha	rge 2.4 mgd annual avera	age of purified		
	recycled w	ater to the Up	per Floridan a	quifer.				
Costs:	lotal proje	ct cost: \$32,7	16,000 (desigr	n, third-party i	review, permitting and col	nstruction)		
	Clearwate	r snare: \$16,3			ted in analysic second fr			
	EV10 and	410,300,0 ¢4 172 400 o	ticinated to be	55,600 budge	eleu in previous years, 55	00,000 requested in		
	FT 19 anu	φ4, 172,400 al	Fyalu	ation	riulure years.			
Application Quality:	High	Application in	cluded all the	required info	rmation in the CEL Guideli	ines		
Application Quality.	Tilgh High	Application II		required into	mad of purified water int	a tha Upper Floridan		
Project Benefit:	riigii	aquifer on an		ne basis Ag	ifer recharge will improve	aroundwater levels in		
		the NTRWIIC	Δ reduce the	effects of sal	Itwater intrusion and incr	ease the City's future		
		water supply	notential					
Cost Effectiveness:	Medium	The capital c	ost for this pro	iect is \$13.63	per adp of water treated	and recharged into		
		the Upper Flo	oridan aquifer	compared to	the \$10 - \$15 range for To	otal Capital Cost/gpd		
		of water resource benefit.						
Past Performance:	High	Based on an assessment of the schedule and budget for the 6 ongoing projects.						
Complementary Efforts:	High	Cooperator has a program in place that includes metering and an incentive based						
		reuse rate structure for high volume users and has proactive reclaimed expansion						
		policies whic	n maximize uti	lization and e	environmental benefits.			
Project Readiness:	High	Project is one	poing and on s	chedule.				
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Alteri	native Water	Supplies: Increase devel	opment of		
		alternative s	ources of wate	r to ensure g	roundwater and surface v	vater sustainability.		
		Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed		
		water to offs	et potable wat	er supplies ai	nd restore water levels an	id natural systems.		
		Strategic In	tiative - wate	r Quality Mai	ntenance and improvem	ent: Develop		
		and impleme	ent programs, j	brojects and i	regulations to maintain ar	id improve water		
		quanty. Tampa Bay	Pogion Priorit		t Minimum Flow and Love			
		Strategies	Region Frion	y. Implemen				
		Tampa Bay	Region Priori	v. Improve I	ake Thonotosassa, Tamp	a Bay I ake Tarpon		
		and Lake Se	minole.	. j p. 676 E		a Bay, Eako Taipon		
		Overa	I Ranking and	l Recommen	dation			
Fund as 1A Priority.	This ongo	ng 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	oved by the		
	Governing	Board in 201	6.					
			Func	ling				
Funding Source	P	rior	FY20	19	Future	Total		
District		\$11,685,600		\$500,000	\$4,172,400	\$16,358,000		
City of Clearwater		\$11,685,600		\$500,000	\$4,172,400	\$16,358,000		
Total		\$23,371,200		\$1,000,000	\$8,344,800	\$32,716,000		

Project No. N791	Reclaimed Water - Pasco County Starkey Ranch Reclaimed Water Transmission Project							
Pasco County	- Project C	;			FY2019			
Risk Level:	Type 2		Multi-Year	Contract:				
		Yes, Year 3 of 3						
		Description						
Description:	Design, pe	ermitting and c	onstruction of approximate	y 5,700 feet of reclaimed	water transmission			
	mains and	d other necessa	ary appurtenances to suppl	y residential, commercial	and institutional			
	customers	s in the Phase C area of the Starkey Ranch development.						
Measurable Benefit:	The Meas	urable Benefit	, which will be the contractu	al requirement, is the sup	oply of 0.29 mgd of			
	reclaimed	water for irriga	ation to mixed-use custome	ers in the Northern Tampa	Bay Water Use			
Costs	Total proje		A). 300 (Design permitting and	construction):				
00515.	Pasco Co	unty Cost \$456	S 800.					
	District Co	ost \$456.800. v	vith \$108.873 requested for	FY2019.				
			Evaluation					
Application Quality:	High	Application in	cluded all of the required ir	nformation identified in the	e CFI guidelines.			
Project Benefit:	High	The benefit is	s the supply of 0.29 mgd of	reclaimed water to reside	ntial, commercial			
		and institution	nal customers for anticipate	ed 0.218 mgd of water sav	rings in the			
		NTBWUCA.						
Cost Effectiveness:	High	\$4.19 per gallon per day capital cost which is below the \$10 to \$15 per gallon average						
		for alternative supplies. The estimated cost/benefit is \$1.01 per thousand gallons of						
		water resource benefit which is within the cost range for reuse projects which typically						
		range from a low of \$0.15/1,000 gallons for golf course projects up to ~\$10.00/1,000 gallons for residential projects						
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for 12 ongo	ing projects.			
Complementary Efforts:	Medium	Pasco Count	y's reclaimed water system	includes metering and in	centive based reuse			
		rate structure	s for high volume water us	ers and has pro-active rec	claimed water			
		expansion po	olicies which maximize utiliz	ation, water resource ben	efits, and			
		environmenta	al benefits.					
Project Readiness:	High	Project is ong	going and on schedule.					
		T	Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Reclaimed Water:	Maximize beneficial use	of reclaimed			
		water to offse	et potable water supplies a	nd restore water levels an	id natural systems .			
		Stratogios	Region Priority: implemen	t Minimum Flow and Leve	el (MFL) Recovery			
		Overal	I Ranking and Recommen	dation				
Fund as 1A Priority.	This ongo	ing project is r	ecommended for funding a	s it reduces reliance on tra	aditional sources in			
,	the NTBV	VUCA and is co	ost effective.					
			Funding					
Funding Source	Р	rior	FY2019	Future	Total			
Pasco County		\$347,927	\$108,873	\$0	\$456,800			
District		\$347,927	\$108,873	\$0	\$456,800			
Total		\$695,854	\$217,746	\$0	\$913,600			

Project No. N803	WMP - Anc	lote River Wa	tershed Mana	gement Plan		
Pinellas County		FY2019				
Risk Level:	Туре 3	De 3 Multi-Year Contract:				
				Yes, Year 3	of 3	
			Descri	ption		
Description:	Complete	a Watershed N	/lanagement P	lan (WMP) fo	or the Anclote River Wate	rshed in Pinellas
	County, th	rough and incl	uding Floodpla	ain Analysis, I	Level of Service (LOS) D	etermination,
	Surface W	ater Resource	Assessment (SWRA), and	Best Management Pract	ice (BMP)
	Alternative	s Analysis. Fr	2019 funding	will be used t	o complete Floodplain Ar	nalysis, LOS
Maaamah la Dawafita	Determina	tion, SWRA, a	nd BMP Altern	atives Analys	SIS.	
Measurable Benefit:	The contra	actual Measura	able Benefit wi	I be the com	pletion of a WMP that ide	ntifies floodplain ,
	establishe	s LOS, evalua	tes BMPs to a	ddress LOS d	tericiencies, and provides	s a geodatabase
	with project	cted results fro	m watersned r	nodel simula	tions for floodplain manag	gement and water
Costs	Total proje	nagement. oct.cost.\$800.0	00			
00313.	Pinellas C	ounty share \$4	100 000			
	District \$4	00.000 with \$3	00.000 budae	ted in previou	is vears and \$100,000 re	auested in FY2019
			Evalua	ation		4400104
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the C	FI Guidelines.
Project Benefit:	High	The WMP wil	l analvze flood	ling problems	that exist in the watersh	ed. Currently, flood
	5	analvsis mod	els are not ava	ailable or are	over 10 years old, and th	e watershed includes
		regional or intermediate stormwater systems.				
Cost Effectiveness:	Low	Project cost per square mile is in the high-range of historic costs (more than				
		\$50,000/sq mi) for WMPs completed in urban watersheds.				
Past Performance:	Medium	Based on an	assessment o	f the schedule	e and budget for the 9 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 ong	joing and on s	chedule.		
			Strategio	c Goals		
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Ass	essment and Planning:	Collect and
		analyze data	to determine	local and regi	onal water quality status	and trends to
		support reso	urce managen	nent decision	s and restoration initiative	es.
		Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	podplain
		information a	ind implement	floodplain ma	anagement programs to r	maintain storage and
		conveyance	and to minimiz	te flood dama	ige.	
					1.4	
Fund as 1A Priority	This spece	Overal	I Ranking and	Recommen	dation	meetice eveileble
Fund as TA Fhonity.	The regult	ing project ide	ntifies flood ris	k in an area v	vith no detailed study into	ormation available.
	that allovic	ing product wi	nd improvo wa		nd to ophanco the planni	ng of futuro
		ant in the proje	nu impiove wa	ater quality, a		ng or luture
	acvelopin		Fund	lina		
Funding Source	P	rior	FY20	19	Future	Total
Pinellas County		\$300,000		\$100,000	\$0	\$400.000
District		\$300.000		\$100.000	\$0	\$400.000
Total		\$600,000		\$200,000	\$0	\$800,000

Project No. N836	SW IMP - F	Flood Protection	on - Zephyr Creek Draina	age Improvements: Units	1&2			
Pasco County					FY2019			
Risk Level:	Туре 3	Type 3 Multi-Year Contract:						
		Yes, Year 2 of 2						
			Description					
Description:	Land acqu	nd acquisition, design, permitting, and construction for conveyance improvements within Units						
	1 and 2 of	f Zephyr Creek	, the most downstream p	ortions of the overall Zephy	yr Creek Watershed.			
	Unit 1 con	sists of acquis	ition of floodplain easeme	ents south of Chancey Roa	id to account for			
	increased	flood stages fr	om upstream Unit 2 impr	ovements. Unit 2 improver	nents include			
	increased	conveyance c	apacity for the creek syst	em from C Avenue to US F	lighway 301.			
Maggurahla Danafitu	FY2019 ft	unding will be u	ised to complete construct	tion.				
Measurable Benefit:	the Zenhy		able Benefit will be the co	nstruction of conveyance i	mprovements within			
Costs	Total proje	act cost \$2 150	000 (Land acquisition d	esian permitting construc	tion)			
00313.	Pasco Co	untv share \$1	075 000 (Includes \$200 0	00 of land acquisition cost	is as funding match)			
	District \$1	.075.000 with	\$150.000 budgeted in pre	vious vears and \$925.000) requested in			
	FY2019.	,,	,,	, ,	- 1			
		Evaluation						
Application Quality:	Medium	Application in	Application included most of the required information identified in the CFI guidelines.					
		District PM/CM had to work with cooperator to obtain remaining required information.						
Project Benefit:	High	The Resourc	The Resource Benefit of this project will reduce the existing flooding problem during					
		the 100 year,	the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the					
		project area and the project impacts the regional or intermediate drainage system.						
Cost Effectiveness:	High	Benefit/cost r	atio is greater than or equ	al to 1. Benefits include a	volded damages to			
Past Performance:	Medium	Based on an	assessment of the sched	ule and budget for the 12	ongoing 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 one	poing and on schedule.		0			
	J		Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Mana	agement: Develop better f	loodplain			
		information a	and implement floodplain	management programs to	maintain storage and			
		conveyance	and to minimize flood da	nage.				
		Overa	I Ranking and Recomme	endation				
Fund as 1A Priority.	This is an	ongoing proje	ct which will reduce struc	ure and street flooding du	ring the 100 year,			
	24-hour s	4-hour storm event by constructing conveyance improvements within the Zephyr Creek						
	Watershe	d Units 1 and 2	2, and is cost effective.					
	_		Funding					
Funding Source	P	rior	FY2019	Future	Total			
Pasco County		\$150,000	\$925,00	U \$(<u>ן \$1,075,000</u>			
District		\$150,000	\$925,00	U \$(<u>ן \$1,075,000</u>			
Total		\$300,000	j \$1,850,00	U \$0	ן \$∠,150,000			

Project No. N837	Reclaimed Water - Pasco Co. Cypress Preserve Recl. Water Transmission Project Year 2							
Pasco County	of 2						FY2019	
Risk Level:	Туре 2		N	Multi-Year Cor	ntract:			
			Descript	ion	2			
Description:	Constructi	Construction of approximately 3 000 feet of reclaimed water transmission mains and other						
	necessary	appurtenance	s to supply appr	oximately 557	single family homes	s, 284 multi-family		
	homes, ar	nd approximate	ly 15 acres of co	ommon areas	in the Cypress Pres	erve community. The	;	
	District is	only funding th	e construction po	ortion, as the (County completed de	esign and permitting		
Moasurable Bonefit:	prior to the	e effective date	of the Agreeme	nt.	requirement is the a	upply of 0.10 mgd of		
Measurable Defiert.	reclaimed	water to reside	which will be the	in the North T	amna Bay Water Hs	e Caution Area		
	(NTBWUC	CA).			ampa Day Water 03			
Costs:	Total proje	ect cost: \$315,0	000 (Construction	n);				
	Pasco Co	unty share: \$1	57,500;					
	District sh	are: \$157,500	with \$17,500 buc	dgeted in prev	lous years and \$140	0,000 requested in		
	112019.		Evaluati	ion				
Application Quality:	High	Application in	cluded the requi	red informatio	on identified in the CI	-I guidelines.		
Project Benefit:	High	The supply of	0.19 mgd of rec	claimed water	to residential custon	ners for an anticipate	d	
	-	0.114 mgd of	water savings in	the NTBWUC	CA.			
Cost Effectiveness:	High	\$2.76 per gal	\$2.76 per gallon per day capital cost for the water resource benefit, which is below the					
		\$10 to \$15 per gallon average for alternative supplies. The estimated cost effectiveness						
		IS \$0.67 per thousand gallons of water resource benefit which is within the cost range						
		course projec	ts up to \$10.00/	1.000 gallons i	for residential project	ts.		
Past Performance:	Medium	Based on an	assessment of th	he schedule a	nd budget for the 12	ongoing projects.		
Complementary Efforts:	Medium	Pasco reclain	ned water system	m includes me	tering and incentive	based reuse rate		
		structures for	high volume wa	ter users and	has pro-active recla	imed water expansio	n	
		policies which	n maximize utiliza	ation, water re	esource benefits, and	d environmental		
Project Readiness	High	benefits.	ining and on sch	odulo				
Project Readiness.	Tilgh		Strategic 0	Goals				
Strategic Goals:	Hiah	Strategic Ini	tiative - Reclaim	ned Water [.] Ma	aximize beneficial us	e of reclaimed		
j		water to offse	et potable water	supplies and r	restore water levels	and natural systems		
		Tampa Bay	Region Priority:	Implement Mi	inimum Flow and Le	vel (MFL) Recovery		
		Strategies.						
	T 1 :	Overal	I Ranking and R	Recommendat	tion			
Fund as 1A Priority.	I his ongo	ing project pro	vides cost effecti	ive reclaimed	water in the NTBWU	JCA.		
Funding Source	D	rior	EY2019	9	Euture	Total		
District		\$17.500	112013	\$140.000		50	\$157.500	
Pasco County		\$17,500		\$140,000		60	\$157.500	
Total		\$35,000		\$280,000	5	60	\$315,000	

Project No. N859	SW IMP - F	IMP - Flood Protection - Holiday Hill Subdivision Drainage Improvement						
Pasco County					FY2019			
Risk Level:	Туре 3		Multi-Yea	ar Contract:				
		Yes, Year 2 of 2						
		Description						
Description:	Land acqu	isition, design	, and construction of the	expansion of an existing sto	ormwater pond and			
	the additio	on of a new pur	np station and outfall for	the Holiday Hills Subdivisio	on in Pasco County.			
	The neigh	bornood receiv	es offsite, intermediate	system flows and experience	es routine flooding.			
		of the pond /	purchase of parcels augo	ll piping will redirect flows to	aler pond and the			
	outfall to the	he north of the	subdivision FY2019 fur	ding will be used to comple				
Measurable Benefit:	The contra	actual Measura	able Benefit will be the e	mansion of an existing stor	mwater pond and			
	addition of	f a pump static	in and associated outfall	pipina.				
Costs:	Total proje	ect cost \$1,100	,000 (Land acquisition, o	lesign, permitting, construct	tion)			
	Pasco Co	unty share \$55	0,000 (Includes \$200,00	0 of land acquisition costs	as funding match)			
	District \$5	50,000 with \$1	00,000 budgeted in prev	vious years and \$450,000 re	equested in FY2019.			
		1	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 coop	erator to obtain remaining r	equired information.			
Project Benefit:	High	The Resource	e Benefit of this project v	vill reduce the existing flood	ing problem during			
		the 25 year, 2	24-nour storm event. Stru	icture and street flooding cl	drainage evetem			
Cost Effectiveness	High	Benefit/cost r	atio is greater than or eq	ual to 1 Benefits include as				
OUST Effectiveness.	riigii	structure and	roads.		folded damages to			
Past Performance:	Medium	Based on an	assessment of the sche	dule and budget for the 12 of	ongoing projects.			
Complementary Efforts:	Medium	Cooperator's	Community Rating Syste	em class is 6 and is in the 6	to 9 range.			
Project Readiness	High	Project is ong	joing and on schedule.					
			Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Mar	agement: Develop better fl	oodplain			
		information a	and implement floodplain	management programs to	maintain storage and			
		conveyance	and to minimize flood da	mage.				
		Overal	I Ranking and Recomm	endation				
Fund as 1A Priority.	This is an	ongoing proje	ct which will reduce struc	ture and street flooding du	ing the 25 year,			
	24-hour storm event by expanding an existing stormwater pond and constructing a new pump							
	station an	a associated o	uttall piping, and is cost					
Eunding Source	_	rior	Funding	Eutoma	Toto			
Pasco County	<u>Р</u>	\$100 000	¢150.0					
District		\$100,000 \$100,000	9400,0 ¢450.0		γ			
Total		\$200.000	\$900.0	50 \$0 50 \$0	\$350,000 \$1.100.000			

Project No. N867	SW IMP - F	lood Protecti	on - Palm Avenue Flooding	g Abatement				
Tarpon Springs					FY2019			
Risk Level:	Туре 3		Multi-Year	Contract:				
		Yes, Year 2 of 2						
			Description					
Description:	This proje	This project is the design, permitting, and construction of a stormwater management facility						
	located at	the southeast	corner of the intersection of	f Gulf Road and Tarpon D	rive, and installation			
	of an asso	ciated stormw	ater collection system along	Palm Avenue and Tarpor	n Drive. Due to lack			
	of stormwa	ater infrastruct	ure, the project area has ex	perienced structure and re	oadway flooding			
Maaaurahla Banafiti	problems.	FY2019 fundii	ng will be used to complete	construction.				
Measurable benefit:	facility and	actual Measura	able Benefit will be construct	ction of a new stormwater	management			
Costs	Total proje		058 (design permitting and	construction)				
	City of Tar	rpon Springs s	hare \$249.979	concaraction				
	District \$2	49,979 with \$4	19,387 budgeted in previous	s years and \$200,592 requ	uested in FY2019			
			Evaluation	· ·				
Application Quality:	High	Application in	ncluded all of the required in	formation identified in the	CFI guidelines.			
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during						
		the 25-year, 2	the 25-year, 24-hour storm event. Structure and street flooding currently occurs in the					
		project area and the project impacts the regional or intermediate drainage system.						
Cost Effectiveness:	Medium	Costs are based on design. Engineer's costs estimates appear to be reasonable						
		based on available information or are similar when compared to similar projects if						
Past Performance:	High	Based on an	assessment of the schedul	e and budget for the 3 on	noing projects			
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 7 and is in the 6	to 9 range			
Project Readiness:	High	Project is one	poing and on schedule.					
	1 light		Strategic Goals					
Strategic Goals:	Hiah	Strategic Ini	itiative - Water Quality Mai	ntenance and Improveme	ent: Develop			
	. ngin	and impleme	ent programs, projects and r	regulations to maintain and	d improve water			
		quality.		- 3				
		Strategic Ini	itiative - Floodplain Manag	ement: Develop better flo	odplain			
		information a	and implement floodplain ma	anagement programs to m	naintain storage and			
		conveyance	and to minimize flood dama	age.				
Fund on 4A Drievity	T 1 :	Overa	II Ranking and Recommen	dation				
Fund as TA Phonity.	I NIS ONGO	ing project will	provide flood protection for	streets and structures du	ring the 25-year,			
	24-nour si	torm event and		o water quality of impaired	J waterbody.			
Funding Source	Р	rior	FY2019	Future	Total			
Tarpon Springs		\$49.387	\$200.592	\$0	\$249.979			
District		\$49,387	\$200.592	\$0 \$0	\$249.979			
Total		\$98,774	\$401,184	\$0	\$499,958			

Project No. N870	SW IMP - F	lood Protectio	on - Colonial Ma	nor Drainage Im	provement			
Pasco County						FY2019		
Risk Level:	Туре 3		Ν	/lulti-Year Contra	ct:			
			۲	res, Year 2 of 2				
		Description						
Description:	Land acqu	isition, design,	permitting, and	construction of gr	ass swales and culverts to	capture		
	and rerout	e stormwater v	within the interme	ediate drainage sy	stem of the Colonial Manc)r		
	neignborn	ood. The existing or the second of the second se	ng system is ina	dequate to handle	e receiving stormwater flow	/s and the		
	while also		elevations EV2	019 funding will b	e used to complete constru			
Measurable Benefit:	The contra	actual Measura	ble Benefit will h	one the construction	n of grass swales and culv	erts to		
	redirect st	ormwater.						
Costs:	Total proje	ect cost \$2,400	,000 (Land acqu	isition, design, pe	rmitting, construction)			
	Pasco Co	unty share \$1,2	200,000 (Include	es \$100,000 of lan	d acquisition costs as fund	ling match)		
	District \$1	,200,000 with \$	5134,000 budge	ted in previous ye	ars and \$1,066,000 reques	sted in		
	FY2019.							
	Ma aliana	A multipation in	Evaluati	on La sa suite d'inform	antion identified in the OFI			
Application Quality:	wealum	Application in	viluaed most of t	ith cooperator to	btain remaining required i	guidelines.		
Project Benefit:	High	The Resource Repetit of this project will reduce the ovisting flooding problem during						
r roject Benent.	i ngi i	the 25 year. 24-hour storm event. Structure and street flooding currently occurs in the						
		project area and the project impacts the regional or intermediate drainage system.						
Cost Effectiveness:	High	Benefit/cost ratio is greater than or equal to 1. Benefits include avoided damages to						
		structures and	d roads.					
Past Performance:	Medium	Based on an	assessment of t	he schedule and b	pudget for the 12 ongoing p	projects.		
Complementary Efforts:	Medium	Cooperator's	Community Rati	ng System class i	is 6 and is in the 6 to 9 rang	ge.		
Project Readiness:	High	Project is ong	oing and on sch	edule.				
			Strategic (Goals				
Strategic Goals:	Medium	Strategic Ini	iative - Floodpl	ain Management	: Develop better floodplain			
		information a	nd implement flo	food domogo	ment programs to maintain	storage and		
		conveyance		noou uamaye.				
		Overel	Depking and D					
Fund as 1A Priority	This is an		t which will redu	ice structure and	street flooding during the 2	25 vear		
	24-hour st	torm event by o	constructing gras	ss swales and culv	verts to reroute stormwater	flows		
	within the	Colonial Mano	r neighborhood,	and is cost effect	ive.			
			Fundin	g				
Funding Source	Р	rior	FY2019		Future	Total		
Pasco County		\$134,000	\$	1,066,000	\$0	\$1,200,000		
District		\$134,000	\$	1,066,000	\$0	\$1,200,000		
Total		\$268,000	\$	2.132.000	\$0	\$2,400,000		

Project No. N913	SW IMP - F	- Flood Protection - Ironbark Flood Abatement						
Pasco County						FY2019		
Risk Level:	Туре 3			Multi-Year C Yes, Year 2 (contract: of 2			
	-		Descri	ption				
Description:	Land acqu	acquisition, design, permitting, and construction of interconnected wet pond areas to a dry						
	storage ba	asin for flood al	patement and	an emergency	outfall connection for recover	ery following		
	major stor	m events in the	e Gulf Highlan	ds neighborho	ood. Construction of the BMPs	s within the 111		
	acre close	d basin will rel	ieve flooding i	mpacts to resi	dential properties and reduce	street		
	flooding. T	he FY2019 fur	nding will be u	tilized to comp	plete construction of the propo	osed drainage		
Maggurahla Banafiti	system.		ble Depetitud		mustice of a conversion of a	an activist and		
	dry pond a	actual measura areas.	idie Benefit wi	II be the const	ruction of a conveyance to co	onnect wet and		
Costs:	Total proje	ct cost \$4,110	,000 (Land ac	quisition, desi	gn, permitting, construction)			
	Pasco Co	unty share \$2,0	055,000 (Inclu	des \$238,000	of land acquisition costs as f	unding match)		
	District \$2	,055,000 with \$	\$75,000 budge	eted in previou	is years and \$1,980,000 requ	lested for		
	FY2019.		Evolu	otion				
Application Quality:	High	Evaluation Application included all the required information identified in the CEI guidelines						
Application Quality.	High		Bonofit of thi		adues the svisting fleeding p	roblom during		
Project Benefit:	riigii	the 100 year. 24 hour storm event. Structure and street fleeding currently occurs in the						
		project area a	ine 100 year, 24-nour storm event. Structure and street noouling currently occurs in the					
Cost Effectiveness:	Hiah	Benefit/cost r	atio is greater	than or equal	to 1. Benefits include avoided	d damages to		
		structures and	d roads.					
Past Performance:	Medium	Based on an	assessment o	f the schedule	and budget for the 12 ongoir	ng 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 ong	joing and on s	chedule.				
			Strategi	c Goals				
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manage	ement: Develop better floodpl	ain		
		information a	ind implement	floodplain ma	nagement programs to maint	ain storage and		
		conveyance	and to minimiz	ze flood dama	ge.			
		Overal	Ranking and	Recommend	lation			
Fund as 1A Priority.	This ongo	ing project will	reduce structi	ure and street	flooding during the 100 year,	24-hour storm		
	event by c	constructing co	nveyance add	itions in the G	uit Highlands neighborhood.			
Eunding Source	D	rior	FUNC FV20	19	Future	Total		
Pasco County		\$75.000	1120	\$1 980 000	<u>sol</u>	\$2 055 000		
District		\$75,000		\$1,980,000	<u>\$0</u>	\$2,000,000		
Total		\$150,000		\$3,960,000	\$0	\$4,110,000		

Project No. N915	SW IMP - F	lood Protecti	on - Lower Spring Br	anch Conveya	ance Improveme	nts		
City of Clearwater						FY2019		
Risk Level:	Туре 3		Multi- Yes. Y	Year Contract	:			
			Description					
Description:	Design, pe	Design, permitting, and construction of conveyance improvements along the Lower Spring						
	Branch of	nch of Stevenson Creek in Pinellas County. City of Clearwater and Pinellas County are						
	co-applica	ints for this pro	ject. FY2019 funding	will be used fo	r construction.			
Measurable Benefit:	The contra	actual Measura	able Benefit will be the	conveyance i	mprovements at	the Douglas		
	Avenue, S	Springtime Ave	nue, Overbrook Aven	le and Sunset	Point Road cross	sings of the Lower		
Costs	Total proje	anch system.	000 (Design_permitt	na constructio	(nc			
	Pinellas C	ounty share \$	500.000City of Cleary	ater share \$1.	160.000District: §	\$1.660.000 with		
	\$625,000	budgeted in pr	evious years, \$517,5	0 requested in	n FY2019, and \$	517,500 anticipated		
	to be requ	lested in future	years.	•		· ·		
		1	Evaluation					
Application Quality:	Medium	Application in	cluded most of the re	quired informa	tion identified in t	the CFI guidelines.		
	Lline	District PM/C	M had to work with co	operator to ob	tain remaining re	equired information.		
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during						
		Structure and	street flooding curre	providing noo	he project area a	nd the project		
		impacts the regional or intermediate drainage system						
Cost Effectiveness:	Low	Benefit/Cost	ratio is less than 0.7.	Benefits includ	e avoided damag	ges to structures and		
		roads.						
Past Performance:	Medium	Based on an	assessment of the sc	nedule and bu	dget for a combir	ned 15 ongoing		
	Llink	projects.			C and is in the C			
Complementary Efforts:	Hign	Cooperator's	Community Rating S	stem class is	5 and is in the 5	or better range.		
Project Readiness:	High	Project is ong	going and on schedule	·				
Stratagia Caalay	Madium	Cturate aria Inc	Strategic Goals		Develop hetter fle	a dalaia		
Strategic Goals.	INEGIUITI	information a	and implement floodpl	anagement. L	nt programs to n	naintain storage and		
		convevance	and to minimize flood	damage.	in programs to n	iaintain storage and		
		Overa	I Ranking and Recor	nmendation				
Fund as 1A Priority.	This ongo	ing project will	reduce structure and	street flooding	during the 100 y	ear, 24-hour storm		
	event by o	constructing co	nveyance improveme	nts along the L	_ower Spring Bra	nch of Stevenson		
	Creek in F	Pinellas County	/.					
			Funding			= / 1		
Funding Source	р 	rior	FY2019	7 500	Future			
Diny Of Clearwater		\$125,000	\$51	,500 ¢0	000, 11 C¢ ^^	\$1,160,000		
		\$500,000 \$635,000	¢ ⊑ 4 '	φυ 7 500	۵U ۹۵ ۹۲ ۹۵۵			
Total		\$1,250.000	\$1 03	5.000	\$1.035.000	\$1,000,000		

Project No. N924	WMP - Lak	e Tarpon Wate	ershed Management Pla	n		
Pinellas County					FY2019	
Risk Level:	Туре 3	ype 3 Multi-Year Contract:				
			Yes, Yea	2 of 2		
			Description			
Description:	Complete	a Watershed N	lanagement Plan (WMP) for the Lake Tarpon wate	rshed in Pinellas	
	County, th	rough and incl	uding floodplain analysis	, Level of Service determin	nation (LOS), and	
	Best Mana	agement Practi	ces (BMPs) alternative a	nalysis. FY2019 funding v	vill be used to	
	complete t	he Floodplain	Analysis.			
Measurable Benefit:	The contra	actual Measura	able Benefit will be to dev	elop a watershed model a	and floodplain	
	analysis; i	nformation tha	t is critical to better ident	ty risk of flood damage, a	nd cost effective	
Control	Total proje	25. Not cost \$400.0	00			
Costs:	Dinellas C	ounty share \$				
	District \$2	00 000 with \$5	00,000 0 000 budgeted in previo	ous vears and \$150,000 re	auested in FY2019	
	District \$2	00,000 with \$0	Evaluation	do years and \$150,000 re		
Application Quality:	High	Application in	cluded all of the required	information identified in the	he CEI quidelines.	
Project Benefit:	High	The WMP wil	l analyze flooding proble	ms that exist in the waters	bed Currently flood	
Fioject Denent.	riigii	analysis mod	els are not available or a	re over 10 years old and t	the watershed includes	
		regional or intermediate stormwater systems				
Cost Effectiveness:	High	ah Project cost per square mile is in the low range for costs (\$30.000/sq mi or less) for				
	Ŭ	WMPs completed in urban watersheds.				
Past Performance:	Medium	Aedium Based on an assessment of the schedule and budget for the 9 ongoing projects.				
Complementary Efforts:	High	h Cooperator's Community Rating System class is 5 and is in the 5 or better range.				
Project Readiness:	High	Project is ong	joing and on schedule.			
			Strategic Goals			
Strategic Goals:	High	Strategic Ini	tiative - Floodplain Man	agement: Develop better t	floodplain	
		information a	ind implement floodplain	management programs to	maintain storage and	
		conveyance	and to minimize flood da	mage.		
		Strategic Ini	tiative - Emergency Flo	od Response: Operate Dis	strict flood control	
		and water co	nservation structures, pr	oviding effective and effici	ent assistance to state	
		and local gov	ernments and the public	to minimize flood damage	e during and after	
		major storm	events. De siese Daiesites lassesses	Lalia Thanataaaaa Tana		
		and lake So	minolo	Lake monotosassa, Tam	пра вау, саке тагроп	
			I Ranking and Recomm	endation		
Fund as 1A Priority.	This ongo	ing project ide	ntifies flood risk in an are	a with no detailed study in	formation available	
· · · · · · · · · · · · · · · · · · ·	The result	ing project luck	I be utilized for flood zon	e determination, help impl	ement solutions that	
	alleviate fl	alleviate flood risk and improve water quality, and enhance the planning of future development in				
	the projec	t area.			·	
			Funding			
Funding Source	Р	rior	FY2019	Future	Total	
Pinellas County		\$50,000	\$150,00	00 \$	\$0 \$200,000	
District		\$50,000	\$150,00	00 \$	\$0 \$200,000	
Total		\$100,000	\$300,00)0 \$	\$400,000	

Project No. N943	Restoration - Central Pasco Recharge Wetlands Facility Optimization									
Pasco County							FY2019			
Risk Level	Type 2			Multi-Year C	Contract:					
				Yes, Year 2	of 3					
	Description									
Description	The project	ct will evaluate	the performar	nce of a constr	ructed wetlands recharge	e facility (the Central				
	Pasco Co	Pasco County Beneficial Water Reuse Project) and develop guidelines for control of the wetland								
	cells to op	cells to optimize reclaimed water use, groundwater recharge, and wetland environmental health.								
	The desig	n and construc	tion of the fac	ility was co-fu	nded by the District unde	r the CFI project				
	N666. The	e construction of	of the facility is	s currently con	nplete. As part of this pro	ject, operational				
		s related to wa		rements set fo	orth in the N666 Agreem	ant and by plant				
	establishm	nent This FY2	019 funding requi	auest will sup	port the second year of c	tata collection and				
	analysis.									
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the colle	ction and evaluation of o	perational data and				
	the compl	etion of a tech	nical report on	optimization	of recharge in a construc	ted wetlands				
	recharge f	acility.	·	•	5					
Costs	Total proje	ect cost: \$280,0	000							
	Pasco Co	unty share: \$1	40,000							
	District sh	are: \$140,000,	with \$60,000	approved for	FY18, \$50,000 requested	d for FY19, and				
	\$30,000 a	nticipated to b	e requested fo	or FY20.						
Annelia stiene Oraclita	Madiuma	Analisation in	Evalu	ation	information identified in					
Application Quality:	Medium	Application in	kinded most c	with cooperat	information identified in	uire CFI guidelines.				
Project Renefit	Hiah	High The benefit of the project is the optimization of recharge in a constructed wetlands								
r toject benent.	, ingri	recharge faci	litv.							
Cost Effectiveness	High	High Costs are comparable to similar projects performed or funded by the District.								
Past Performance:	Medium	dium Based on an assessment of the schedule and budget for 12 ongoing projects.								
Complementary Efforts:	High	gh County's reclaimed water system includes metering and incentive based reuse rate								
		structures for	high volume	water users ar	nd has proactive reclaime	ed water expansion				
		policies which	n maintain utili	zation, water	resource benefits, and er	nvironmental				
		benefits.	· · ·							
Project Readiness	High	Project is ong	joing and on s	chedule.						
			Strategi	c Goals		· · · ·				
Strategic Goals:	High	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed				
		Strategic Ini	et potable wat	er supplies an	id restore water levels an	t and Pacovoru:				
		To prevent si	indive - willing	and reestabl	ish the natural ecosystem	n determine MFL's				
		and, where r	ecessary, dev	elop and impl	lement recovery plans.					
		Strategic Ini	tiative - Flood	Iplain Manage	ement: Develop better flo	odplain				
		information a	and implement	floodplain ma	anagement programs to r	naintain storage and				
		conveyance	and to minimiz	ze flood dama	ge.					
		Tampa Bay	Region Priori	ty: Implement	Minimum Flow and Leve	l (MFL) Recovery				
		Strategies.								
		Overal	I Ranking and	Recommen	dation					
Fund as 1A Priority.	I his ongo	ing project will	provide inform	nation on indiv	vidual wetland cell rechar	ge rates and optimal				
	planting S	useful inform	i will maximize	with the decid	nates and treatment of the	e acility, as well				
	second ve	ar of a three v	ear proiect		in or ruture similar raciille	50. 11110 10 UIC				
	Second ye		Func	lina						
Funding Source	Р	rior	FY20	19	Future	Total				
Pasco County		\$60,000		\$50,000	\$30,000	\$	140,000			
District		\$60,000		\$50,000	\$30,000	\$	140,000			
Total		\$120,000		\$100,000	\$60,000	\$2	280,000			

Project No. W305	SW IMP - V	SW IMP - Water Quality - Roosevelt Stormwater Retrofit Project							
Pinellas County						FY20 ²			
Risk Level:	Туре 3		Mul Yes	ti-Year Contract: , Year 2 of 2					
	-	Description							
Description:	Design, pe	Design, permitting and construction of stormwater treatment BMPs in the Roosevelt Basin, in							
	Pinellas C	ounty, which d	rains to Old Tampa	Bay, a SWIM Price	ority Waterbody. The	e retrofit			
	proposes	to increase the	watershed to inclu	de an area not cu	rrently receiving sto	rmwater			
Maggurahla Donofitu	treatment	and improve n	itrogen removal in t	he existing pond.		De te tre et			
Measurable Benefit:	The contra		able Benefit will be of	construction of sto	rmwater retrofit BN	Ps to treat			
	testing rec	alely 21 acres (or urbanized waters	ned. There will be	no monitoring or p	enormance			
Costs:	Total proie	ect cost: \$701.0)20 (Design, permit	ting and construct	ion)				
	Pinellas C	ounty: \$350,5	10	0	,				
	District: \$3	350,510, with \$	50,000 budgeted ir	n prior years and \$	300,510 requested	in FY19.			
		1	Evaluation						
Application Quality:	Medium	Application in	cluded most of the	required informati	on identified in the (CFI guidelines.			
		District PM/CM had to work with the cooperator to obtain remaining required							
Ducie et Devefit	High	Information.							
Project Benefit:	підп	Tampa Bay, a SWIM priority waterbody, by an estimated 157 lbs/year of TN							
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is below the historical average cost of \$224/lb.							
		and the cost per acre treated is above the historical average cost of \$8,050/acre							
		treated for url	oan/suburban wate	r quality projects.					
Past Performance:	Medium	Based on an	assessment of the	schedule and bud	get for the 9 ongoin	g projects.			
Complementary Efforts:	High	Applicant has	an active stormwa	ter utility that colle	ects fees.				
Project Readiness:	High	The project is	ready to begin on	or before Decemb	er 1, 2017.				
		1	Strategic Goa	lls					
Strategic Goals:	High	Strategic Ini	tiative - Water Qua	lity Maintenance	and Improvement:	Develop			
		and impleme	nt programs, projec	ts and regulations	s to maintain and im	prove water			
		quality.	De site a Data site a las						
		and Lake Se	rinole	prove Lake Thong	losassa, Tampa Ba	iy, Lake Tarpon			
		Overal	I Ranking and Rec	ommendation					
Fund as 1A Priority.	The ongoi	ing project is co	ost effective and wil	l improve water qu	uality draining from	a watershed			
	that disch	arges to Tampa	a Bay, a SWIM Pric	rity waterbody.	, ,				
			Funding						
Funding Source	Р	rior	FY2019	F	uture	Total			
District		\$50,000	\$3	00,510	\$0	\$350,51			
Pinellas County		\$50,000	\$3	00,510	\$0	\$350,51			
Total		\$100,000	\$6	01,020	\$0	\$701,02			

Project No. N748	SW IMP - FP - Dale Mabry Henderson Trunkline - Upper Peninsula Watershed Drainage								
City of Tampa	Improv.					FY2019			
Risk Level:	Туре 3			Multi-Year	Contract:				
				Yes, 4 of 6					
	Description								
Description:	This proje	This project is for design, permitting and construction to improve the existing drainage system							
	for the Da	for the Dale Mabry Highway and Henderson Boulevard area in the City of Tampa 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 appl	roved in FY2016 for 30%	design and			
	third-party	review. The D	istrict required	a third-party	review because the conc	ceptual construction			
	estimate is	s greater than	\$5 million dolla	ars. The FY2	019 funding request is for	construction.			
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be complet	ion of design, permitting a	and construction of			
	the draina	ge conveyance	e system BMP	's to reduce f	flooding in approximately	533 acres of highly			
	urbanized	basin. Constru	uction will be d	one in accor	dance with the permitted	plans.			
Costs:	Iotal proje		0,000 (design)	, third-party r	eview, permitting, constru	iction)			
	District ©1	npa snare \$18	,250,000 ¢5 000 000 b	udaatad in n	raviaua vaara (°E 000 000) requested in			
	EV2010 a	0,250,000 Will nd \$8,250,000	anticipated to	be requested	d in future vears	requested in			
	112019 a	Πα ψ0,230,000	Evalua	ation	a in fature years				
Application Quality:	Hiah	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.			
Brojoct Bonofit:	High	The Resource	The Resource Repetit of this project will reduce the evicting fleeding problem during						
Fioject Bellent.	riigii	the 2.33 year. 24-hour storm event. Structure and street flooding currently occurs in							
		the project area and the project impacts the regional or intermediate drainage system							
Cost Effectiveness:	Hiah	ligh Benefit/Cost ratio is greater than or equal to 1. Benefits include avoided damages to							
		structures and roads.							
Past Performance:	High	High Based on an assessment of the schedule and budget for the 9 ongoing 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.					
		_	Strategio	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	odplain			
		information a	and implement	floodplain m	anagement programs to r	maintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		Overal	I Ranking and	Recommen	dation				
Fund as High Priority.	It is anticip	pated that the	30% design an	d third party	review will be presented t	to the Governing			
	Board on	March 27, 201	8. Contractual	ly, the City w	ill need Governing Board	approval to proceed			
	beyond th	is task. Projec	t cost has decr	eased from S	\$40,000,000 to \$36,500,0	00. Staff will			
	request G	overning Boar	d approval to a	amend the Ci	ty's Cooperative Funding	Agreement to			
	continue t	hrough project	final design, p	ermitting, an	d construction. Overall ra	nking remains High.			
	I his proje	ct will provide	flood protectio	n for structur	es and streets during the	2.33 year, 24-hour			
	storm eve	nt. Project are	a serves as the	e main evacu	lation route for South Tarr	ъра.			
Eunding Source	D	rior	Fund EV20	10 10	Euturo	Total			
District	- P	\$5,000,000	F120	\$5,000,000	¢8 250 000	101dl @19.250.000			
City of Tampa		\$5,000,000		φ <u></u> σ,000,000	φο,200,000 ¢ο 250.000	\$10,200,000			
				000,000,Cφ	₹16 500,000	\$18,200,000 \$36,500,000			
lotal	1	φ10,000,000		φιυ,υυυ,υυυ	ຈ ເວ,ວບບ,ບບບ	ათ,თირე ი მერი მერი მერი მერი მერი მერი მერი			

Project No. N773	SW IMP - F	lood Protecti	on - Cypress	Street Outfall	Regional Stormwater In	provements			
City of Tampa						FY2019			
Risk Level:	Туре 3			Multi-Year O	Contract:				
				Yes, 3 of 5					
			Descri	iption					
Description:	This project is for design, permitting and construction to improve the existing drainage system								
	for the We	or the West Riverfront and North Hyde Park areas in the City of Tampa to relieve structure and							
	Street floo	oding. This project is for construction of Phase 2 of the project which extends the							
	for 30% de	esion and third	-narty review	The District r	or rampa. Funding was a	w because the			
	conceptua	using and unite-party review. The District required a unite-party review because the ual construction estimate is greater than \$5 million dollars. The FY2019 funding request							
	is for cons	truction.	g						
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be completi	on of design, permitting a	nd construction of			
	the propos	sed project to o	construct drain	age conveya	nce system BMP's to redu	ice flooding in			
	approxima	ately 895 acres	s of highly urba	anized basin.	Construction will be done	in accordance with			
Casta	the permit	ted plans.		the induced of the second					
Costs	City of Tar	CT COST \$30,00	10,000 (design	, third-party re	eview, permitting and cons	struction)			
	District \$1	5.000.000 with	,000,000 n \$1.500.000 b	udaeted in pr	evious vears, \$3,000,000	requested in			
	FY2019 a	nd \$10,500,00	0 anticipated t	o be requeste	ed in future years.				
			Evalu	ation	, i i i i i i i i i i i i i i i i i i i				
Application Quality:	High	High Application included all the required information identified in the CFI Guidelines.							
Project Benefit:	High	High The Resource Benefit of this project will reduce the existing flooding problem during							
		the 25 year, 24-hour storm event. Structure and street flooding currently occurs in the							
		project area and the project impacts the regional or intermediate drainage system.							
Cost Effectiveness:	Medium	Benefit/Cost ratio is less than 1 but greater than or equal to 0.7. Benefits include							
Past Performance	Hiah	Based on an	assessment o	f the schedule	s. e and budget for the 9 on	noing projects			
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 6 and is in the 6	to 9 range.			
Proiect Readiness	Hiah	The project is	s ongoing and	on schedule.					
			Strategi	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	Iplain Manag	ement: Develop better flo	odplain			
-		information a	and implement	floodplain ma	anagement programs to m	naintain storage and			
		conveyance	and to minimiz	ze flood dama	ige.				
		Overa	I Ranking and	d Recommen	dation				
Fund as High Priority.	It is anticip	bated that the	30% design ar	nd third party	review will be complete by	y June 2018.			
	Contractu	ally, the City w	formation from	ning Board ap	oproval to proceed beyon	d this task.			
	Governing	Board will ne	ed to provide a	approval to pr	oceed. Staff is recommer	uerstanding that the			
	for constru	uction. This pro	piect will provid	de flood prote	ction for structures and st	reets during the 25			
	year, 24-h	our storm eve	nt.	r					
			Func	ling					
Funding Source	Р	rior	FY20	19	Future	Total			
City of Tampa		\$1,500,000		\$3,000,000	\$10,500,000	\$15,000,000			
District		\$1,500,000		\$3,000,000	\$10,500,000	\$15,000,000			
Total		\$3,000,000		\$6,000,000	\$21,000,000	\$30,000,000			

Project No. N850	SW IMP - Flood Protection - Sea Pines Neighborhood Flood Abatement								
Pasco County						FY2019			
Risk Level:	Туре 3			Multi-Year	Contract:				
		Yes, Year 2 of 3							
		Description							
Description:	Land acqu	Land acquisition, design, permitting, and construction of new and upgraded stormwater							
	conveyan	conveyance systems and storage ponds within the Sea Pines neighborhood in western Pasco							
	County. F	County. Funding was approved in FY2018 for 30% design and third-party review. The District							
	required a	third-party rev	lew because t	nis project is	complex and includes mu				
	constructi		e iunuing requ	est is to com	piete design, permitting, a				
Measurable Benefit:	The contr	on. actual Measura	ahla Banafit wi	Il be for desi	an permitting and constru	uction of new			
	stormwate	er conveyance	and storage s	vstems withir	the intermediate stormw	ater system of the			
	Sea Pines	s neighborhood	L Construction	will be done	in accordance with the p	ermitted plans.			
Costs:	Total proje	ect cost \$3,300	0,000 (land acc	uisition, desi	ign, third-party review, per	mitting,			
	constructi	on)				0			
	Pasco Co	unty share \$1,	650,000 (Inclu	des \$250,00	0 of land acquisition costs	as funding match)			
	District \$1	,650,000 with	\$150,000 budg	geted in prev	ious years, \$500,000 requ	iested in FY2019,			
	and \$1,00	0,000 anticipa	ted to be reque	ested in futur	e years.				
		1	Evalua	ation					
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI guidelines.							
	LUmb	District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information.			
Project Benefit:	High	High The Resource Benefit of this project will reduce the existing flooding problem during							
		the 100 year,	24-nour storn	i event. Struc	cure and street nooding c	trainage eveter			
Cost Effectiveness	Medium Repetit/cost ratio is less than 1 but greater than or equal to 0.7. Repetitive include								
COSt Lifectiveness.	Medium	avoided damages to structures and roads							
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for the 12 o	naoina proiects.			
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 one	joing and on s	chedule.					
	-		Strategio	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	odplain			
		information a	and implement	floodplain m	anagement programs to r	naintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		Overa	I Ranking and	Recommen	dation				
Fund as High Priority.	It is antici	pated that the	30% design ar	d third party	review will be complete b	y December 2018.			
	Contractu	ally, the Count	y will need Go	verning Boar	d approval to proceed be	yond this task.			
	Anticipatir	ng favorable in	formation from	the third-pai	rty review, and with the un	iderstanding that the			
	Governing	g Board will ne	ed to provide a	approval to p	roceed, Staff is recommen	nding FY2019 funding			
	for comple	etion of design	, permitting an	d to begin co	Instruction. This project wi	III reduce structure			
		ce and storage	y me 100 year	, 24-HOUL SIC	in eveni by constructing				
	conveyan	ce and storage	Func	lina					
Fundina Source	P	rior	FY20	19	Future	Total			
District		\$150.000		\$500.000	\$1.000.000	\$1.650.000			
Pasco County		\$150.000		\$500,000	\$1,000,000	\$1,650.000			
Total		\$300,000		\$1,000,000	\$2,000,000	\$3,300,000			

Project No. N855	DAR - South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1								
Hillsborough County	1					FY2019			
Risk Level	Туре 3			Multi-Year	Contract:				
				Yes, Year 2	of 4				
			Descri	iption					
Description	Continuati	on of the FY20)18 Phase 1 p	roject to inclu	ide the final design, perm	itting, construction,			
	testing, ar	id independent	performance	evaluations of	of two recharge well sites	(Sites 1 and 2).			
	Each site	will consist of a	one 2 mgd rec	laimed water	recharge well, four monit	oring wells, and			
	in FY2018	for third-party	review (TPR)	and with ad	ditional Governing Board	approved completion			
	of design.	of design, permitting and initial construction.							
Measurable Benefit:	The contra	The contractual Measurable Benefit is for final design, permitting, construction and testing of							
	Site 1, inc	luding the com	pletion of an i	ndependent	performance evaluation. If	fperformance			
	evaluation	results are fa	vorable and wi	ith additional	Governing Board approva	al, the contractual			
	Measurab	le Benefit will i	nclude operat	ion of Site 1 f	for 20 years at a minimum	injection rate of 2			
	mgd. Onc	e Site 1 is ope	rational, and w	vith favorable	performance evaluation	results for Site 2, and			
	additional	Governing Bo	ard approval, 1	ine contractu	a minimum injection rate	of 2 mad			
Costs	Total proje	off and operation	000 (final des	sign TPR ne	ermitting construction tes	ting and			
	independe	ent performanc	e evaluations))	initiality, conclusion, too	ling, and			
	Hillsborou	gh County Sha	, are \$4,850,000)					
	District \$4	,850,000 with	\$2,265,000 bu	dgeted in pre	evious years, \$2,235,000	requested in			
	FY2019, a	and \$350,000 a	anticipated to b	be requested	in future years.				
			Evalu	ation		· · · · · ·			
Application Quality:	LOW	District project	or was upoble	d to work witi	n the cooperator to obtain	required information			
		evaluation		to provide ti	le required information at				
Project Benefit:	Hiah	High The benefit of this project is to expand the use of reclaimed water to recharge							
]	non-potable portions of the Upper Floridan aguifer to improve aguifer water level								
		conditions in	the MIA of the	SWUCA.					
Cost Effectiveness	High	The project is	consistent wi	th the range	of costs for similarly funde	ed District projects.			
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for 17 ongo	ing project(s).			
Complementary Efforts:	High	County imple	ments reclaim	ed metering	and incentive based rate	structures, and has			
Ducie et Deceliu eco	L L'arte	proactive rec	laimed expans	sion policies t	o maximize use & benefit	S.			
Project Readiness	High	Project is ong	joing and on s						
Stratogic Goals	High	Stratogic Ini	tiativo Poola	c Goals	Maximiza banaficial usa	of roclaimod			
Strategic Goals.	riigii	water to offs	et notable wat	er supplies a	nd restore water levels an	id natural systems			
		Southern Re	aion Priority	: Implement S	Southern Water Use Cauti	ion Area (SWUCA)			
		Recovery St	rategy.			(= : : = = :)			
		Overal	I Ranking and	d Recommen	ndation				
Fund as High Priority.	The Coun	ty and District	are anticipated	d to complete	e 30% design and TPR, re	espectively, by Fall			
	2018 for S	Sites 1 and 2. C	Contractually, 1	the County w	ill need Governing Board	approval to proceed			
	beyond th	is task. Anticip	ating favorable	e results from	n the TPR, and understan	ding that the			
	to comple	te construction	and to begin	operation Fi	iture funding is to perform	tests and			
	performar	ce evaluations	s of two well si	tes. The Dist	rict will not reimburse fund	ds for Site 2 until			
	Site 1 is o	perating, the p	erformance ev	valuation is s	atisfactory, and the Gover	ning Board			
	approves.	The County m	nay pursue pot	tential future	net benefit or impact offse	et potable water			
	supply ba	sed on this pro	ject. If pursue	d, contractua	Ily, the County will be req	uired to comply			
	with Distri	ct cooperative	funding guide	lines, policies	s, and procedures and wa	ter use permitting			
	rules. If su	uccessful, this	project is expe	ected to impro	ove aquiter levels in the N	IIA of the SWUCA.			
Funding Source	D	rior	FUNC FY20	19	Futuro	Total			
Hillsborough County		\$2 265 000	1120	\$2 235 000	\$350 000	\$4 850 000			
District		\$2 265 000		\$2 235 000	\$350,000 \$350,000	\$ <u>4</u> 850 000			
Total		\$4,530,000		\$4,470,000	\$700,000	\$9,700,000			

Project No. N865	SW IMP - Flood Protection - Magnolia Valley Storage and Wetland Enhancement								
Pasco County					FY2019				
Risk Level:	Туре 3		Multi-Y	ear Contract:					
			Yes, Ye	ar 3 of 4					
			Description						
Description:	Design, pe	ermitting, and o	construction of the Mag	nolia Valley Storage and We	tland Enhancement				
	Area. This project consists of conveyance improvements in contributing areas and excavation to								
	provide st	provide stormwater storage and wetland enhancement on a former golf course purchased by the							
	County as	County as part of the previous cooperatively funded Magnolia Valley Stormwater Facility and							
	Pump Sta	tion Project (N	835). Funding was app	roved in FY2018 for 30% dea	sign and third-party				
	review. In	e District requ	ired a third-party review	v because this project has a d	conceptual estimate				
	greater that	an \$5 million d	bilars. The FY2019 fun	aing request is to complete a	esign and				
Moasurable Bopofit:	The centre		ble Depetit will be the	design normitting and sonat	nuction of stormustor				
Weasurable Denent.	storade av	actual Measura	able Defield will be the	Vagnolia Valley contributing					
	will be dor	ne in accordan	ce with the permitted r	lans					
Costs:	Total proje	ect cost \$13.00	0.000 (design, third-pa	rty review, permitting, constr	uction)				
	Pasco Co	unty share \$6,	500,000	· · · · · · · · · · · · · · · · · · ·					
	District \$6	,500,000 with	\$300,000 budgeted in	previous years, \$200,000 req	uested in FY2019,				
	and \$6,00	0,000 anticipa	ted to be requested in	uture years.					
			Evaluation						
Application Quality:	Medium	Application in	cluded most of the req	uired information identified in	the CFI guidelines.				
		District PM/CM had to work with cooperator to obtain remaining required information.							
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the							
Coot Effectiveness	Modium	Project area and the project impacts the regional of internediate drainage system.							
COSt Effectiveness.	avoided damages to structures and roads								
Past Performance:	Medium Based on an assessment of the schedule and budget for the 12 ongoing projects								
Complementary Efforts:	Medium	Cooperator's	Community Rating Sy	stem class is 6 and is in the 6	to 9 range.				
Project Readiness:	Hiah	Proiect is one	ioing and on schedule.		0				
,	<u> </u>		Strategic Goals						
Strategic Goals:	Hiah	Strategic Ini	tiative - Water Quality	Maintenance and Improven	nent: Develop				
, , , , , , , , , , , , , , , , , , ,		and impleme	nt programs, projects	and regulations to maintain a	nd improve water				
		quality.		C C					
		Strategic Ini	tiative - Floodplain Ma	inagement: Develop better fl	oodplain				
		information a	ind implement floodpla	in management programs to	maintain storage and				
		conveyance	and to minimize flood	lamage.					
		Overal	I Ranking and Recom	mendation					
Fund as High Priority.	It is antici	pated that the	30% design and third p	arty review will be complete	by April 2019.				
	Contractu	ally, the Count	y will need Governing	Board approval to proceed be	eyond this task.				
	Governing	ng lavorable in	offiation from the third	to proceed. Staff is recomme					
	for comple	etion of design	and permitting This p	oiect will reduce structure an	d street flooding				
	during the	100 year, 24-	nour storm event by co	nstructing new stormwater st	orage ponds,				
	conveyan	ce improveme	nts and wetland enhan	cements. It has a high resour	ce benefit and				
	medium c	ost effectivene	SS						
			Funding						
Funding Source	Р	rior	FY2019	Future	Total				
Pasco County		\$300,000	\$200	000 \$6,000,000	\$6,500,000				
District		\$300,000	\$200	000 \$6,000,000	\$6,500,000				
Total		\$600,000	\$400	000 \$12,000,000	\$13,000,000				

Project No. N901	SW IMP - Flood Protection - Port Richey Alternative Outfall									
Pasco County						FY2019				
Risk Level:	Туре 3			Multi-Year Co	ontract:					
				Yes, Year 2 of	3					
			Descri	ption						
Description:	Land acqu	iisition, design	permitting, ar	nd construction	of an alternative outfall	for the Port Richey				
	Slough system. Currently, stormwater flows from the Magnolia Valley area through a slough									
	system which eventually discharges north under Ridge Road and then west under 19 to the Gulf									
	of Mexico.	or Mexico. Flooding is experienced as the wetland slough area narrows into a channel. This								
	the Culf in	i provide an all	de Poad Eur	in that connects	the slough system to a wed in EV2018 for 30%					
	third-narty	review The D	istrict required	la third-narty re	view because this proje	ect has complex				
	design and	d land acquisit	on elements.	The FY2019 fur	nding request is to com	plete design and				
	permitting									
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be for the des	ign, permitting and con	struction of an				
	alternative	outfall for the	Port Richey S	lough. Construe	ction will be done in acc	cordance with the				
	permitted	plans.	-	-						
Costs:	Total proje	ect cost \$3,250	,000 (land acc	uisition, design	, third-party review, per	mitting,				
	construction	on)								
	Pasco Co	unty share \$1,	625,000 (Inclu	des \$100,000 c	of land acquisition costs	as funding match)				
	District \$1	,625,000 with	\$225,000 budg	geted in previou	ıs years, \$400,000 requ	ested in FY2019,				
	and \$1,00	0,000 anticipa	ted to be reque	ested in future y	/ears.					
Application Quality	Madium	Application in		attion f the required in	formation identified in t	the CEL quidelinee				
Application Quality:	wealum	Application in	ciuded most o	with cooperate	riormation identified in t	ine CFI guidelines.				
Project Benefit:	High	The Resource Renefit of this project will reduce the existing flooding problem during								
Project Denent.	riigii	the 100 year. 24-hour storm event. Structure and street flooding currently occurs in the								
		project area and the project impacts the regional or intermediate drainage system.								
Cost Effectiveness:	High	High Benefit/cost ratio is greater than or equal to 1. Benefits include avoided damages to								
	Ū	structures and roads.								
Past Performance:	Medium	Based on an	assessment o	f the schedule a	and budget for the 12 or	ngoing projects.				
Complementary Efforts:	Medium	Cooperator's	Community R	ating System cl	ass is 6 and is in the 6	to 9 range.				
Project Readiness:	High	Project is ong	joing and on s	chedule.						
			Strategie	c Goals						
Strategic Goals:	Medium	Strategic Ini	tiative - Minim	num Flows and	Levels Establishment	and Recovery:				
		To prevent s	gnificant harm	and reestablis	h the natural ecosystem	n, determine MFL's				
		and, where r	ecessary, dev	elop and imple	ment recovery plans.					
		Strategic Ini	tiative - Flood	plain Managen	nent: Develop better flo	odplain				
		information a	ind implement	floodplain man	agement programs to n	naintain storage and				
		conveyance	and to minimiz	e nood damage	е.					
Fund as High Driority	It is optici	Overal	Ranking and	Recommenda	wow will be complete by	v Jupo 2010				
Fullu as flight Fholity.	Contractu	ally the Count	wwill need Go	verning Board	view will be complete b	y Julie 2019. Jond this task				
	Anticipatir	ally, the Count	formation from	the third-narty	review and with the un	derstanding that the				
	Governing	Board will ne	ed to provide a	approval to proc	ceed. Staff is recommer	nding FY2019 funding				
	for comple	etion of design	and permitting	a. This project w	vill reduce structure and	I street flooding				
	during the	100 year, 24-	nour storm eve	ent by construct	ting an alternative outfa	Il for the Port				
	Richey Sl	ough system.								
			Fund	ling						
Funding Source	Р	rior	FY20	19	Future	Total				
Pasco County		\$225,000		\$400,000	\$1,000,000	\$1,625,000				
District		\$225,000		\$400,000	\$1,000,000	\$1,625,000				
Total		\$450,000		\$800,000	\$2,000,000	\$3,250,000				

Project No. N949	SW IMP - Flood Protection - Southeast Seminole Heights Flood Relief							
City of Tampa						FY2019		
Risk Level:	Туре 3		1	Multi-Year (Contract: No			
			Descrip	tion				
Description:	Inis project consists of the 30% design and third-party review for the construction of regional stormwater improvements to serve an area of approximately 780 acres of urban environment discharging into the Hillsborough River south of the Hillsborough River Dam in the Southeast Seminole Heights area of the City of Tampa. The City's intent is to construct and implement several flood relief efforts in the watershed to alleviate frequent and dangerous flooding on critical evacuation routes and in residential neighborhoods. These flood relief efforts include upsizing existing pipes, installing higher capacity trunklines, and constructing new stormwater ponds for water quality and quantity purposes. District funding is for 30% design and third-party review as this project has a conceptual construction estimate greater than \$5 million dollars. The FY2019 funding request is to complete 30% design and third-party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.							
Measurable Benefit:	The contra construct highly urb	actual Measura drainage conv anized basin.	able Benefit will eyance system	be completi BMPs to rec	on of 30% design of the luce flooding in approxim	proposed project to lately 780 acres of		
Costs:	Total proje City of Tar District \$5 The conce anticipate	Total project cost \$1,000,000 (30% design, third-party review) City of Tampa share \$500,000 District \$500,000; The conceptual estimate to complete design, permitting and construction is \$23,500,000. It is anticipated that the City of Tampa will request funding to complete design, permitting and						
			Evaluat	ion				
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI Guidelines. District PM/CM had to work with the cooperator to obtain remaining information.						
Project Benefit:	High	The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 5 year, 8-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate						
Cost Effectiveness:	Medium	Benefit/Cost avoided dam	ratio is less thar ages to structure	1 but greates and road	ter than or equal to 0.7. B s.	enefits include		
Past Performance:	High	Based on an	assessment of t	the schedul	e and budget for the 9 on	going projects.		
Complementary Efforts:	Medium	Cooperator's	Community Rat	ting System	class is 6 and is in the 6	to 9 range.		
Project Readiness:	High	Project is rea	dy to begin on c	or before De	cember 1, 2018.			
			Strategic	Goals				
Strategic Goals:	HighStrategic 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.							
Fund as High Priority	The City i	S requesting for	inds to complete	the 30% d	esion and third-party revi	ew. The results from		
r und as riight honey.	The City is requesting funds to complete the 30% design and third-party review. The results from the 30% design plans and third-party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will provide flood protection for structures and street during the 5 year, 8-hour storm event.							
Eunding Course	-	rior	Fundi	ng	Futuro	Total		
District	 	110F ¢∩	F1201	\$500.000	rulure ¢∩	10131 \$500.000		
City of Tampa		ედ ი დე		\$500,000	 ቁበ	\$500,000		
Total		\$0 \$0		\$1,000,000	\$0	\$1,000,000		

Project No. N955	Conservat	Conservation - St. Petersburg Toilet Rebate Program, Phase 17							
City of St. Petersburg							FY2019		
Risk Level:	Туре 1			Multi-Year	Contract: No				
	Description								
Description:	Financial i	incentives to re	sidential custo	mers for the	replacement of convention	onal toilets with			
	high-efficie	ency toilets wh	ich use 1.28 ga	allons per flu	ish or less and to comme	rcial customers for			
	the replac	ement of conve	entional toilets	with ultra-lov	w flow toilets which use 1.	6 gallons per flush			
	or less. Th	ne project will in	nclude rebates	and program	n administration for the re	placement of			
	approxima	ately 275 reside	ential and comr	nercial toilet	s. Also included are educ	ational materials,			
Magaunahia Danafitu	program p	promotion/mark	eting and surve	eys necessa	iry to ensure the success	of the program.			
Measurable Benefit:	The Meas	surable Benefit,	which will be t	ne contractu	ial requirement, is the imp	plementation of the			
Costs:	Total proje	and the comple		хероп.					
00313.	City of St	Petersburg: \$	25 000						
	District: \$2	25.000	20,000						
Evaluation									
Application Quality:	High	Application in	cluded all the r	equired info	rmation identified in the C	FI Guidelines.			
Project Benefit:	High	The project will conserve an estimated 6,725 gallons per day in the Northern Tampa							
		Bay Water Us	se Caution Area	a (NTBWUC	A).				
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.00	0 per thousand gallons sa	ived.			
Past Performance:	High	Based on an	assessment of	the schedul	e and budget for the 6 on	going projects.			
Complementary Efforts:	Medium	Cooperator p	er capita is bet	ween 75 and	d 125.				
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: Enl	hance efficiencies in all w	ater-use sectors.			
		Tampa Bay	Region Priority	: Implemen	t Minimum Flow and Leve	el (MFL) Recovery			
		Strategies.							
		Overal	I Ranking and	Recommen	ndation				
Fund as High Priority.	Project wi	Il conserve pot	able water in th	ne NTBWUC	CA and is cost effective.				
			Fund	ing	_				
Funding Source	P	rior	FY201	9	Future	Total	0 0 - 000		
		\$0 \$25,000 \$0 \$2 \$0 \$25,000							
City of St. Petersburg		\$0		\$25,000	\$0		\$25,000		
Total		\$0		\$50,000	\$0		\$50,000		

Project No. N961	Study-St. F	Study-St. Petersburg Satellite Based Potable Water Leak Detection Study								
City of St. Petersburg							FY2019			
Risk Level:	Type 1			Multi-Year	Contract: No					
Description										
Description:	Implement	mplementation of a water conservation pilot study to evaluate a satellite-based technology to								
	identify an	dentify and locate sources of water loss on a city-wide scale. Satellite-based remote sensing to								
	identify wa	ater leakage is	an emerging t	technology ar	nd this study will serve as	a pilot program				
	which may	/ provide a nev	v regional tool	to reduce wa	ater loss. In 2015, District	-wide water loss				
	was 38 mi	llion gallons a	day. As the te	chnology ide	ntifies water leakage, a de	edicated team of				
	City starr v	vill proceed to	pinpoint and r	epair the leak	s. The repair cost is not i	ncluded in this				
Measurable Benefit:	The contr	actual Measura	ahla Ranafit wi	ill he the impl	ementation of the program	n and the				
	completio	n of a Final Re	port.							
Costs:	Total Proje	ect Cost: \$120	,000;							
	City of St.	Petersburg: \$	60,000;							
	District: \$6	60,000.								
			Evalu	ation						
Application Quality:	Medium	Application in	cluded most c	of the required	d information identified in	the CFI guidelines.				
		District PM/CM had to work with cooperator to obtain remaining required information.								
Project Benefit:	High	The benefit of the project is an estimated 110,000 gpd of water conserved in the								
	Lliab	Northern Tar	ipa Bay water	Use Caution	Area (NTBWUCA).	aavad				
Dost Enectiveness:	High	Project cost e		of the schodul	and budget for the 6 on	saveu.				
Complementary Efforts:	Medium	Cooperator p	er canita is he	tween 75 and	1 125 and	going projects.				
Project Readiness	High	Project is rea	dy to begin on		a 120 gpcu.					
Troject Neddiness.	Tilgit		Strategi	c Goals						
Strategic Goals:	Hiah	Strategic Ini	tiative - Cons	ervation [.] En	hance efficiencies in all w	ater-use sectors				
etratogie eculo	. ngin									
		Tampa Bay	Region Priori	ty: Implemen	t Minimum Flow and Leve	el (IMFL) Recovery				
		Strategies.	Ranking and	Recommen	dation					
Fund as High Priority.	This proje	ct conserves r	otable water s	supply in the l	NTRWUCA and is cost ef	fective This study				
	will serve	as a pilot prog	ram which ma	v provide a n	ew regional tool to reduce	e water loss.				
			Func	ding						
Funding Source	Р	rior	FY20	19	Future	Total				
District		\$0		\$60,000	\$0		\$60,000			
City of St. Petersburg		\$0		\$60,000	\$0		\$60,000			
Total		\$0		\$120,000	\$0		\$120,000			

Project No. N965	AWS - Tam	AWS - Tampa Bay Water Tampa Bypass Canal Gates Automation								
Tampa Bay Water					FY2019					
Risk Level:	Туре 3		Multi-Year	Contract:						
			Yes, Year 1	of 2						
		Description								
Description:	This desig	This design, permitting and construction project will equip existing manual weir gates located on								
	top of the	arger flood co	ntrol gates with remote-co	ntrolled motorized actuator	s at the Tampa					
	Bypass Ca	anal Structures	160, 161, and 162. The s	tructures are owned by the	Army Corps of					
	Engineers	, the flood con	trol gates are operated by	the District, and the weir ga	ates are operated					
	by lampa	Bay Water. In	is project includes the inst	allation of automation on n	ine flood control					
Maasurahla Ronofit:	gates.		able Depetit will be the deal	ian normitting and constru	ution of romate					
Measurable Defiert.	controlled	motorized as	te actuators at Tampa Byrg	ign, permitting, and constru-	0 S-161 and					
	S-162 Co	nstruction will	be done in accordance wit	h the nermitted plans	0, 5-101 and					
Costs:	Total proje	ct cost \$1.032	.000 (Design, permitting a	nd construction)						
	Tampa Ba	y Water \$516,	000,	,						
	District \$5	16,000, with \$	210,700 in FY2019 and \$3	05,300 in future years.						
			Evaluation							
Application Quality:	High	High Application included the required information identified in the CFI guidelines.								
Project Benefit:	High	High This project will allow a more controlled release of water from pool to pool at the								
		Tampa Bypass Canal, and reduce water loss due to flood management. Automating								
		the weir gates will improve the water quality by better controlling the use of the larger								
		flood control	gates which stirs up botton	n sediment in the canal. Th	is project will					
Coot Effectiveness	Lliab	Project cost in	equency of District manual	operation of the larger floc	od control gates.					
Dest Derfermenses	⊓ign High	Project cost is		aing projects with similar scopes	iot they are reaked					
Past Performance:	пığrı	high	cooperator having no ong	oing projects with the Distr	ict they are ranked					
Complementary Efforts:	High	Cooperator c	ompleted similar work at five	ve other existing gates.						
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2018.						
,	J		Strategic Goals	,						
Strategic Goals:	High	Strategic Ini	tiative - Conservation: En	hance efficiencies in all wa	iter-use sectors.					
		Tampa Bay	Region Priority: Improve I	ake Thonotosassa, Tampa	a Bay, Lake Tarpon					
		and Lake Se	minole.		, ,					
		Overal	I Ranking and Recommer	ndation						
Fund as High Priority.	Project wil	ll provide an e	conomic method for water	conservation and increase	d alternative water					
	supply.									
			Funding							
Funding Source	P	rior	FY2019	Future	Total					
		\$0	\$210,700	\$305,300	\$516,000					
Tampa Bay Water		\$0	\$210,700	\$305,300	\$516,000					
Total	1	\$0	ı \$421,400	\$610,600	\$1,03∠,000					

Project No. N966	SW IMP - F	SW IMP - Flood Protection - Gibson Avenue Drainage Improvements					
Hillsborough County						FY2019	
Risk Level	Type 2		Multi-	'ear Contract: No			
			Description				
Description	This proje retention p Avenue be County. The retention v area up to used for c	his project is for construction to improve the existing drainage system by constructing a tention pond and enlarging the existing pump station located on the north side of Gibson venue between North 56th and 58th Streets in the Hillsborough River watershed in Hillsborough punty. The project experiences repetitive flooding with the existing pump station's lack of tention volume for runoff attenuation. The proposed system will provide flooding relief for the rea up to the 25 year, 24-hour storm event for approximately 25 acres. FY2019 funding will be sed for construction of the retention pond and enlarging the pump station.					
Measurable Benefit:	The contra	actual Measura	able Benefit will be the	construction of a i	etention por	nd and enlarging the	
Costs	Total proje Hillsborou match)	ect cost \$1,800 gh County sha	nce with the permitted ,000 (construction) ire \$900,000 (Includes	\$789,000 of land	acquistion c	osts as funding	
	District \$9	00,000 reques	ted in FY2019.				
		1	Evaluation				
Application Quality:	Medium	Application ir District PM/C	cluded most of the real M had to work with the	uired information i cooperator to obt	dentified in ain remainir	the CFI Guidelines.	
Project Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event for structures. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate					
Cost Effectiveness	High	Benefit/Cost structures an	ratio is greater than or d roads.	equal to 1. Benefi	ts include av	voided damages to	
Past Performance:	Medium	Based on an	assessment of the sc	edule and budget	for the 17 o	ngoing projects.	
Complementary Efforts:	High	Cooperator's	Community Rating Sy	stem class is 5 an	d is in the 5	or better range.	
Project Readiness	High	Project is rea	dy to begin on or befo	e December 1, 20	18.		
Strategic Goals:	Medium	Strategic Ini	Strategic Goals tiative - Floodplain M	anagement: Deve	lop better flo	podplain	
		information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.					
		Overa	I Ranking and Recon	mendation			
Fund as High Priority.	The proje and is cos	The project will reduce flooding for structures and streets for the 25 year, 24-hour storm event, and is cost effective.					
			Funding				
Funding Source	P	rior	FY2019	Futu	re	Total	
		\$0	\$900	,000	\$0	\$900,000	
		\$0 دە	\$900	,000	\$0 ¢0	\$900,000	
Iotal		م 0	ຈາ,800	,000	φΟ	φ1,000,000	

Project No. N967	SW IMP - Flood Protection - Hidden Lake/Yellow Lake							
Pasco County							FY2019	
Risk Level	Туре 3			Multi-Year (Contract: No			
Description								
Description	The project including 3 constructed construction storage and District fur a conceptu	he project is for eligible FY2019 design of the Hidden Lake/Yellow Lake flood protection project cluding 30% design, third-party review, and additional design needed in FY2019. This project, if ponstructed, consists of land acquisition of surplus District property, design, permitting, and ponstruction of berms around the Hidden Lake property and ancillary facilities to provide flood torage and flood mitigation in the downstream Yellow Lake and Lake Worrell watersheds . istrict funding is for eligible FY2019 design work including third-party review as this project has conceptual project estimate over \$5 million dollars.						
Measurable Benefit:	The contra project to property.	he contractual Measurable Benefit will be the completion of 30% design of this proposed roject to construct berms and ancillary facilities to contain flood waters within the Hidden Lake property.						
Costs	Total proje Pasco Cou District \$2 This project final desig and construct County will	Total project cost \$400,000 (Eligible FY2019 design and third-party review) Pasco County share \$200,000 District \$200,000 This project requires a third-party review of 30% design plans prior to approval to proceed with final design, permitting, and construction. The total conceptual estimate for design, permitting, and construction is \$6,000,000 (Including \$800,000 in land acquisition). It is anticipated that the						
			Evalua	ation		,		
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information						
Project Benefit:	High	High The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100-year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or						
Cost Effectiveness	Medium	Benefit/Cost avoided dam	ratio is less that ages to structu	an 1 but great	er than or equal to 0.7. s.	Benefits include		
Past Performance:	Medium	Based on an	assessment o	f the schedule	e and budget for the 12	ongoing 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	or before De	cember 1, 2018.			
			Strategio	c Goals				
Strategic Goals:	Medium	Medium 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	l Recommen	dation			
Fund as High Priority.	District fur need Gov acquisitior review as flooding d	District funding is for eligible FY2019 design work including third-party review. The County will need Governing Board approval to proceed beyond 30% design and third-party review. Land acquisition would be eligible following Governing Board approval 30% design and third-party review as match for construction. If constructed, this project will reduce structure and street flooding during the 100-year, 24-hour storm event.						
Eunding Source		rior	Func	10	Eutorea	Total		
Pasco County		110F ¢∩	F120	\$200.000	ruiure ¢		\$200.000	
District		ው ጉ		\$200,000			\$200,000 \$200 000	
Total		\$0 \$0		\$400,000	\$	0	\$400,000	

Project No. N972	Conservat	onservation-Tampa Water Use Information Portal Implementation					
City of Tampa					FY2019		
Risk Level:	Type 1		Multi-Year	Contract: No			
			Description				
Description:	The project	he project will make available a web-based customer portal to all utility customers and will					
	promote a	nd encourage	water conservation. The p	ortal will allow customers f	to access relevant		
	informatio	n including; lea	ak and high water use aler	ts via text, email and voice	, application		
	specific wa	ater conservat	on recommendations, long	g-term water use trend and	alysis, geospatial		
Maasurahla Ronofit:	Water cons	sumption analy	/tics and as a venicle for u	tility outreach.	m and the		
measurable beliefit.	completio	n of a final rep	ort.	iementation of the program	n and the		
Costs:	Total Proje	ect Cost: \$300	,000;				
	Tampa Sh	are: \$150,000	• •				
	District Sh	nare: \$150,000					
	Evaluation						
Application Quality:	High	Application in	icluded all the required info	ormation identified in the C	FI guidelines		
Project Benefit:	High	The project b	The project benefit is the conservation of approximately 132,550 gallons per day in the				
Cost Effectiveness	High	Northern Tampa Bay Water Use Caution Area (NTBWUCA).					
Dost Dorformanco:	High	Based on an	assessment of the schedu	le and budget for 9 ongoir	a projects		
Complementary Efforts:	Medium	The Coopera	tor's per capita is between	75 and 125 gncd			
Project Readiness	High	Project is rea	dy to begin on or before D	ecember 1 2018			
i reject teauneee	Tilgit		Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Conservation: Er	hance efficiencies in all w	ater-use sectors.		
	-	Tampa Bay	Region Priority: Implement	nt Minimum Flow and Leve	MEL Recovery		
		Strategies.					
		Overal	I Ranking and Recomme	ndation			
Fund as High Priority.	This proje	ct is recomme	nded for funding as it cons	erves water within the NT	BWUCA and is		
	cost-effec	tive.					
			Funding				
Funding Source	P	rior	FY2019	Future	Total		
District		\$0	\$150,000	\$0	\$150,000		
City of Tampa		\$0	\$150,000	\$0	\$150,000		
Total		\$0	\$300,000	ע \$U	\$300,000		

Project No. N975	SW IMP - Flood Protection - Town "N" Country/Hillsborough Avenue Regional Drainage							
Hillsborough County	Improveme	nts					FY2019	
Risk Level:	Туре 3			Multi-Year C	ontract: No			
	-		Descri	ption				
Description:	The project	t consist of 30	% design and	third-party rev	iew for the construction	of regional		
	stormwater	ormwater improvements to serve an area of approximately 2110 acres of urban development in						
	the lown a	e Town and Country area in the Lower Sweetwater Creek Watershed in Hillsborough County.						
	attenuation	te project is a major evacuation route and will include a 20 acre regional pond for both runoff						
	bypass cor	vevance svst	em consistina	of conduit and	l open channel. District f	funding is for 30%		
	design and	third-party re	view as this pr	oject has a co	nceptual construction es	stimate greater than		
	\$5 million o	Iollars. The F	Y2019 funding	request is to c	complete 30% design an	d third-party review		
	which will p	provide the ne	cessary inform	nation to suppo	ort funding in future year	s to complete		
	design, per	mitting and co	onstruction.					
Measurable Benefit:	The contra	ctual Measura	able Benefit wi	Il be completio	on of 30% design for the	proposed project to		
	construct d	rainage conv	eyance system	BMP's to red	uce flooding in approxim	nately 2110 acres of		
Costs	Total project	nized basin.	100 (30% desig	n third-narty	review)			
00313.	Hillsborouc	th County sha	ire \$300.000	in, third-party i				
	District \$30)0,000						
	The conce	ptual estimate	to complete c	lesign, permitti	ing and construction is \$	45,750,000. It is		
	anticipated	that Hillsbord	ough County w	ill request fund	ding to complete land ac	quisition, design,		
	permitting	and construct	ion in future ye	ars.				
		A 12 42	Evalu	ation				
Application Quality:	Medium	Application in	ICluded most o	t the required	information identified in a	the CFI Guidelines.		
Broject Bonofit:	Hiah	The Resource	e Renefit of thi	s project if co	nstructed will reduce the	e existing flooding		
Fioject benefit.	, riigii	problem duri	ng the 25 year	24-hour storn	n event. Structure and st	treet flooding		
		currently occurs in the project area and the project impacts the regional or						
		intermediate	drainage syste	em.		5		
Cost Effectiveness:	High	Benefit/cost r	atio is greater	than or equal	to 1. Benefits include av	oided damages to		
		structures an	d roads.					
Past Performance:	Medium	Based on an	assessment o	the schedule	and budget for the 17 o	ngoing projects.		
Complementary Efforts:	Hign	Cooperator's	Community R	ating System of		or better range.		
Project Readiness:	Hign	Project is rea	ay to begin on	or before Dec	ember 1, 2018.			
Strategia Casla	Llink	Otwoto wio luci	Strategi	Coals	toward and low wave	anti Davalan		
Strategic Goals.	nign	and impleme	nt programs	rojects and re	equilations to maintain an	ient. Develop id improve water		
		quality.	in programs, j					
		Strategic Ini	tiative - Flood	plain Manage	ment: Develop better flo	odplain		
		information a	and implement	floodplain ma	nagement programs to r	maintain storage and		
		conveyance	and to minimiz	e flood damag	ge.			
		Overa	I Ranking and	Recommend	ation			
Fund as High Priority.	The Count	y is requestin	g funds to com	plete the 30%	design and third-party r	eview. The results		
	trom the 30	J% design pla	ins and third-p	arty review will	I provide the District with	better information		
	to confirm the resource benefits and cost effectiveness of constructing this project. If							
	constructed, this project will provide flood protection for structures and streets during the 25 year. 24-hour storm event							
	your, 2 4 -110		Func	ling				
Funding Source	Pr	ior	FY20	19	Future	Total		
District		\$0		\$300,000	\$0	\$	300,000	
Hillsborough County		\$0		\$300,000	\$0	\$	300,000	
Total		\$0		\$600,000	\$0	\$	600,000	

Project No. N988	Conservat	Conservation – UF/IFAS Soil Moisture Sensor Project						
Hillsborough County							FY2019	
Risk Level:	Type 1			Multi-Year	Contract: No			
			Descri	ption				
Description:	This proje	ct will make av	ailable approx	imately 100 s	soil moisture sensor and	45 rain sensor		
	installs to	talls to single family, multi-family, and commercial customers within southern Hillsborough						
	County. D	evices will be p	provided and ir	nstalled for p	roject participants who do	o not have a		
	functioning	g device. At the	e end of the pr	oject an eval	uation comparing the effe	ectiveness of soil		
	moistrue s	ensors vs. rair	n sensors will b	be conducted	I. Also included are the ed	ducational		
	materials,	program prom	otions and sur	veys necess	ary to ensure the success	s of the program.		
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be impleme	entation of the program ar	nd the completion of	Ĩ	
Costs:	Total Proi	ort. Act.cost: \$50.0	00.					
00313.	Hillshorou	ah County sha	ure: \$25.000					
	District sh	are: \$25,000.	μο: φ <u>2</u> 0,000,					
		. ,	Evalua	ation				
Application Quality:	Medium	Application in	cluded most o	f the required	d information identified in	the CFI guidelines.		
		District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information.		
Project Benefit:	High	The benefit o	f the project is	the conserva	ation of approximately 13	,380 gallons per day	/	
		in the Southe	rn Water Use	Caution Area	(SWUCA).			
Cost Effectiveness:	High	Project cost e	effectiveness is	s below \$3.00) per thousand gallons sa	aved.		
Past Performance:	Medium	Based on the	assessment c	of the schedu	le and budget for the 17 of	ongoing projects.		
Complementary Efforts:	Medium	Cooperator p	er capita is be	tween 75 and	d 125 gpcd.			
Project Readiness:	High	Project is rea	dy to begin on	or before De	ecember 1, 2018			
		I	Strategio	: Goals				
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation: Enl	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	dation			
Fund as High Priority.	Project wi	Il conserve pot	able water sup	oply in the SV	VUCA and is cost effectiv	e		
.	-		Fund	ing	= .			
Funding Source	P	rior	FY20	19	Future	Total	#05 000	
		\$0		\$25,000	\$0		¢25,000	
		\$0 ¢0		\$25,000 \$50,000	<u></u> \$0 ¢ດ		\$25,000	
Total		\$0 \$50,000\$0 \$5					φου,υυυ	

Project No. N990	SW IMP - F	lood Protecti	on - Zephyr Creek Drai	nage Improvements: Unit	s 3 and 4			
Pasco County					FY2019			
Risk Level	туре 3		Multi-Ye	ar Contract: No				
			Description					
Description	This proje	ct consists of 3	30% design and third-pa	rty review for the Units 3 a	nd 4 of the Zephyr			
	Creek Dra	eek Drainage Improvement project. This multi-phased project consists of 6 units within the						
	Lake Zeph	ke Zephyr watershed. Units 1 and 2 are currently being cooperatively funded through project						
	N836. Uni	t 3 improveme	nts will consist of two (2) cross-culvert improveme	nts at C Avenue and			
	Lagoon Co	goon Court along with channel improvements near the old S.R. 54 crossing. Unit 4 is						
	Street In a	addition chan	nel improvements along	the entire creek system wi	thin this area may be			
	performed	. District fundi	ng is for 30% design an	d third-party review as this	project has a			
	conceptua	al project estim	ate over \$5 million dolla	rs. The FY2019 funding re	quest is to complete			
	30% desig	n and third-pa	rty review which will pro	vide the necessary information	ation to support funding			
	in future y	ears to comple	te design, permitting, a	nd construction.				
Measurable Benefit:	The contra	actual Measura	able Benefit will be the o	completion of 30% design of	of this proposed			
	project to	construct cros	s-culvert and channel in	provements in the Zephyr	Creek Units 3 and 4			
	project are	eas.						
Costs	Iotal proje	ect cost \$600,0	000 (30% design and thi	rd-party review)				
	Pasco Co	unty share \$30	JU,UUU					
	The total (concentual est	imate for design permit	ting, and construction is \$5	100.000 It is			
	anticipate	anticipated that the County will request funding to complete design, permitting, and construction						
	in future v	in future vears.						
	,		Evaluation					
Application Quality:	Medium	Application ir	icluded most of the requ	ired information identified	in the CFI guidelines.			
		District PM/C	M had to work with coo	perator to obtain remaining	required information.			
Project Benefit:	High	The Resourc	e Benefit of this project,	if constructed, will reduce	the existing flooding			
		problem duri	ng the 100 year, 24-hou	r storm event. Structure an	d street flooding			
		currently occ	urs in the project area a	nd the project impacts the	regional or			
Cost Effectiveness	High	Benefit/Cost	ratio is greater than or e	equal to 1 Benefits include	avoided damages to			
	. Thgh	structures an	d roads.		avoided damages to			
Past Performance:	Medium	Based on an	assessment of the sche	edule and budget for the 12	ongoing projects.			
Complementary Efforts:	Medium	Cooperator's	Community Rating Sys	tem class is 6 and is in the	6 to 9 range.			
Project Readiness	High	Project is rea	dy to begin on or before	e December 1, 2018.				
			Strategic Goals					
Strategic Goals	Medium	Strategic Ini	tiative - Floodplain Ma	nagement: Develop better	floodplain			
		information a	and implement floodplai	n management programs to	o maintain storage and			
		conveyance	and to minimize flood d	amage.				
	-	Overa	I Ranking and Recomr	nendation	· ·			
Fund as High Priority.	The Coun	ty is requesting	g funds to complete the	30% design and third-party	y review only. The			
	results fro	m the 30% de	sign plans and third-par	ty review will provide the D	Istrict with better			
	constructed, this project will reduce structure and street flooding during the 100 year, 24 hour							
	storm eve	nt.			, 100 your, 27 mour			
			Funding					
Funding Source	Р	rior	FY2019	Future	Total			
Pasco County		\$0	\$300,0	000	\$0 \$300,000			
District		\$0	\$300,0	000	\$0 \$300,000			
Total		\$0	\$600,0	000	\$0 \$600,000			

Project No. N995	WMP - Plant City Watershed Management Plan							
Plant City						FY2019		
Risk Level:	Type 4			Multi-Year (Contract:			
				Yes, 1 of 3				
			Descri	ption				
Description:	Watershed Manageme topograph completed Westside (square mil these stud	atershed Management Plan (WMP) and storm water inventory, floodplain delineation, and Best anagement Practices (BMP) alternative analysis for the Plant City Watershed using digital pographic information, ERP data, and land use updates. Two limited detailed studies were ompleted based on information more than 10 years ago (Eastside Canal Improvements and the /estside Canal Improvements). These limited detailed studies included portions of the 28 quare miles watershed for the purposes of flood relief implementation projects. Information from						
	the WMP.	FY2019 fundi	ng will be used	I to start the v	vatershed evaluation, doc	umentation		
	collection,	survey and in	ventory of exis	ting systems.	· · · · · · · · · · · · · · · · · · ·			
Measurable Benefit:	The Meas delineation the City of	urable Benefit n and Best Ma Plant City usi	will be the cor nagement Pra ng digital topog	npletion of a ' ctices alterna graphical info	WMP and storm water inv tive analysis for the Plant rmation, ERP data and la	rentory, floodplain City Watershed in nd use updates.		
Costs:	Total proje	Total project cost \$1,300,000						
	City of Pla	nt City share S	\$650,000					
	DISTRICT \$6	50,000 with \$2	250,000 reque	sted in FY201	19 and \$400,000 anticipat	ed to be requested		
	in luture y	edis.	Evalu	ation				
Application Quality:	High	Application in	cluded all the	required info	mation identified in the C	El Guidelines		
Project Benefit:	High	High The WMP will analyze flooding problems that exist in the watershed. Currently, flood						
	5	analysis mod	els are not ava	ailable or ove	r 10 years old, and the wa	atershed includes		
		regional or in	termediate sto	rmwater syst	ems.			
Cost Effectiveness:	Medium	Project cost p	per square mile	e is in the mic	I range of historic costs (\$	30,001 -		
		\$50,000/sq. r	ni.) for WMPs	completed in	urban watersheds.			
Past Performance:	High	Based on the high.	Cooperator h	aving no ong	oing projects with the Dist	rict they are ranked		
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	cember 1, 2018.			
			Strategi	c Goals				
Strategic Goals:	Medium	Medium Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.						
		Overa	ll Ranking and	Recommen	dation			
Fund as High Priority.	This project identifies flood risk in an area with a combination of limited detailed study information and no detailed study information. The resulting product will be utilized for flood zone determination, to help implement solutions that alleviate flood risk, and enhance the planning of future development in the project area.							
Funding Source	D	rior	FY20	19	Future	Total		
District				\$250.000	\$400.000	\$650 000		
Plant City		ون ۵۵:		\$250,000	\$400.000	\$650,000		
Total		\$0 \$0		\$500,000	\$800,000	\$1,300,000		

Project No. N998	AWS- Tampa Bay Water Regional Facility Site Pump Station Expansion							
Tampa Bay Water				FY2019				
Risk Level	: Type 2	Multi-Year C Yes, Year 1 d	Contract: of 3					
		Description						
Description	This project will increase 10-12 MGD average and Station. The project will the removal of an existin MGD (2,000 HP) split ca Frequency Drive, motor funding will be for design	his project will increase Tampa Bay Water's pumping capacity of alternative water supply by 0-12 MGD average and 20-22 MGD maximum at the Regional Facility Site High Service Pump station. The project will include design, permitting, and construction activities associated with he removal of an existing unused 10 MGD (600 HP) jockey pump and installation of a new 24 MGD (2,000 HP) split case pump, structural modifications to support the pump, Variable frequency Drive, motor and ancillary electrical and mechanical equipment. The first year of unding will be for design and permitting.						
Measurable Benefit:	The contractual Measur service pump that will in from 110 MGD to 132 M Construction will be don	able Benefit will be the design acrease Tampa Bay Water's p IGD at the Regional Facility S an in accordance with the per	n, permitting, and constr oumping capacity of alter Site High Service Pump mitted plans.	ruction of a high rnative water supply Station.				
Costs	Total project cost \$2,400 Cooperator share \$1,20 District \$1,200,000 with requested in future year	0,000 (Design, permitting, an 10,000; \$108,000 requested in FY20 rs.	d construction); 019 and \$1,092,000 antic	cipated to be				
Application Quality:	High Application in	ncluded all the required infor	mation identified in the C	El Guidelines.				
Project Benefit:	High The benefit of alternative w Service Pum 10-12 MGD program to ir and maximiz additional pu supply that w	The benefit of this project is the increase in Tampa Bay Water's pumping capacity of alternative water supply from 110 MGD to 132 MGD at the Regional Facility Site High Service Pump Station, which is projected to increase the annual average capacity by 10-12 MGD over 20 years. The increased pumping capacity is part of a larger, overall program to increase the resiliency of the Tampa Bay region's water supply system and maximize the use of permitted surface water capacity when it is available. This additional pumping capacity will also prepare the system for the next increment of						
Cost Effectiveness	: High The cost of t considered h (BODR) for t tabulated a c	The cost of this project appears to be consistent with similar projects that are considered highly cost-effective. In comparison, a 2017 Basis of Design Report (BODR) for the Peace River Manasota Regional Water Supply Authority (PRMRWSA)						
Past Performance:	: High Based on the high.	e cooperator having no ongo	ing projects with the Dist	rict they are ranked				
Complementary Efforts:	: High The applicar Hillsborough New Port Rid	nt provides wholesale alterna , Pasco, and Pinellas, as we chey.	tive water supplies to the Il as the cities of Tampa,	e counties of St. Petersburg, and				
Project Readiness	High Project is rea	ady to begin before Dec 1, 20)18.					
Strategic Goals:	: High Strategic In and promote reasonable Strategic In alternative s	Strategic Goals igh Strategic Initiative - Regional Water Supply Planning: Identify, communicate and promote consensus on the strategies and resources necessary to meet future reasonable and beneficial water supply needs. Strategic Initiative - Alternative Water Supplies: Increase development of alternative sources of water to ensure groundwater and surface water sustainability.						
	Overa	II Ranking and Recommend	dation					
Fund as High Priority.	The project increases a is cost effective.	Iternative water supply pump	ing capacity in the Tamp	a Bay Region and				
		Funding						
Funding Source	Prior	FY2019	Future	Total				
	\$0 ^^	y \$108,000	\$1,092,000	\$1,200,000				
Total	\$0) \$108,000) \$216,000	پر 1,092,000 \$2,184,000 \$2,184,000 \$	\$1,200,000				

Project No. Q001	Study - Hil	Isborough Co	unty SCADA Long-Term P	lanning				
Hillsborough County					FY2019			
Risk Level:	Туре 3		Multi-Year (Contract: No				
			Description					
Description:	District fur	nding is being i	equested to perform a feas	ibility study to provide rec	ommendations for			
	a Watersh	ed Model and	SCADA Stream/Lake Warn	ing System. The warning	system would			
	provide the	e County and I	District Operations staff with	accurate real-time data	prior to and during a			
	to help ma	help make critical decisions during an event. The proposed project will collect data						
	recommer	nd locations of	gages/SCADA installation.	develop an interface and	warning system.			
	and provid	le recommend	ations for implementing/ma	intaining the SCADA syste	em. FY2019 funding			
	will be use	ed to complete	a feasibility study and provi	de recommendations for	implementing			
	SCADA St	tream/Lake Wa	arning System.					
Measurable Benefit:	The contra	actual Measura	able Benefit will be completi	ng the feasibility study to	provide			
	recommer	ndations for im	plementing a SCADA Strea	m/Lake Warning System	based off of			
Costs	Total proje	atersned mode	eling. IOO (Study)					
00313.	County sh	are \$100.000	(Olddy)					
	District \$1	00,000 reques	ted for FY2019.					
			Evaluation					
Application Quality:	Medium	Application in	cluded most of the required	I information identified in t	he CFI Guidelines.			
	1 U.s.h	District PM/C	M had to work with the cool	perator to obtain remainin	g information.			
Project Benefit:	High	to implement	benefit of this project will p	and streams that will only	imendations on now			
		to implement a warning system for lakes and streams that will enhance emergency						
		storm event.	potentially reduce existing		gh county during a			
Cost Effectiveness:	High	Project cost is	s comparable to other prior	projects with similar scop	es.			
Past Performance:	Medium	Based on an	assessment of the schedule	e and budget for the 17 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	dy to begin on or before De	cember 1, 2018.				
		1	Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain			
		information a	and implement floodplain ma	anagement programs to n	naintain storage and			
		conveyance	and to minimize flood dama	Ige. Beenenee: Operate Distr	iat flood control			
		and water co	inservation structures prov	iding effective and efficier	nt assistance to state			
		and local go	vernments and the public to	minimize flood damage o	during and after			
		major storm	events.		J			
		-						
		Overal	I Ranking and Recommen	dation				
Fund as High Priority.	The feasib	oility study will	provide recommendations f	or a Watershed Model an	d SCADA			
	Stream/La	ake Warning S	ystem. If a future project is i	mplemented based on re	commendations			
	from this s	study, it will pro	ovide the County and Distric	t Operations staff with ac	curate real-time			
	of the syst	ata prior to and during a storm event. The data will be used to determine the available capacity						
	will provid	will provide a warning system for lakes and streams that ontimize conveyance and storage						
	during a s	during a storm event.						
			Funding					
Funding Source	Р	rior	FY2019	Future	Total			
District		\$0	\$100,000	\$0	\$100,000			
Hillsborough County		\$0	\$100,000	\$0	\$100,000			
Total		\$0	\$200,000	\$0	\$200,000			
Project No. Q012	SW IMP - F	lood Protection	on - Buck/ Lar	nier				
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Pasco County						FY2019		
Risk Level:	Туре 3			Multi-Year	Contract:			
				Yes, Year 1	of 2			
		Description						
Description:	Land acqu	and acquisition, design, permitting, and construction of additional 8.5 acre stormwater storage						
	pond and	conveyance in	provements in	n the Buck ar	d Lanier Road area within	the New River		
	watersned	In Pasco Cou	hty. Offsite dis	icnarge from	north of S.R. 54 contribute	e to the routine		
	during the	100 vear 24-l	nis closed bas	ant FY2010 f	unding will be used to con	nolete land		
	acquisition	. design and p	ermittina.					
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the cons	struction of a stormwater p	ond and		
	conveyand	ce improvemei	nts in the Buck	and Lanier F	Road neighborhood in acc	ordance with the		
	permitted	plans.						
Costs:	Total proje	ct costs \$620,	000 (land acq	uisition, desig	gn, permitting, and constru	uction)		
	Pasco Co	unty share \$31	0,000 (Include	es \$100,000 (of land acquisition costs a	s funding match)		
	District \$3	10,000 with \$6	0,000 request	ed in FY2019	and \$250,000 anticipate	d to be requested in		
	tuture yea	rs.	Evolu	ation				
Application Quality:	Medium	Evaluation Medium Application included most of the required information identified in the CEL quidelines						
Application Quality.	Medium	District PM/CM had to work with cooperator to obtain remaining required information						
Proiect Benefit:	High	The Resource Benefit of this project will reduce the existing flooding problem during						
	Ū	the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the						
		project area and the project impacts the regional or intermediate drainage system.						
Cost Effectiveness:	High	Benefit/Cost ratio is greater than or equal to 1. Benefits include avoided damages to						
		structures an	d roads.			· · · ·		
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for the 12 or	ngoing 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	or before De	ecember 1, 2018.			
			Strategi	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	r Quality Mai	ntenance and Improvem	ent: Develop		
		and impleme	int programs, p	brojects and i	regulations to maintain an	a improve water		
		Strategic Ini	tiative - Flood	Inlain Manao	ement [.] 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.	Ū		
		-						
		<u>Overal</u>	l Ranking and	l Reco <u>mmen</u>	dation			
Fund as High Priority.	This proje	ct will provide	flood protectio	n for the 100	year, 24-hour event in an	area that		
	experienc	es structure ar	nd street floodi	ng, and is co	st effective.			
			Func	ling				
Funding Source	Р	rior	FY20	19	Future	Total		
Pasco County		\$0		\$60,000	\$250,000	\$310,000		
District		\$0		\$60,000	\$250,000	\$310,000		
Total		\$0		\$120,000	\$500,000	\$620,000		

Project No. Q013	WMP - Har	nmock Creek	WMP				
Pasco County					FY2019		
Risk Level:	Type 4		Multi-Year Yes, Year 1	Contract: of 3			
			Description				
Description:	Complete	a Watershed M	/lanagement Plan (WMP) f	or the Hammock Creek wa	atershed in Pasco		
	County, th	rough and incl	uding Watershed Evaluation	on, Floodplain Analysis, Pe	eer Review, Level of		
	Service (L	OS) Determina	ation, and Best Manageme	nt Practices (BMP) Alterna	ative Analysis.		
Maggurahla Donofitu	FY2019 ft	inding will be u	ised to begin the Watershe	d Evaluation.			
Measurable Benefit:		urable Benefit	will be the completion of a	wine that identifies flood	Diain, establishes		
Costs	Total proje	evaluates 100					
	Pasco Co	unty share \$90	00,000				
	District \$9	00,000 with \$3	800,000 requested in FY20	19 and \$600,000 anticipat	ed to be requested		
	in future y	ears.					
			Evaluation				
Application Quality:	High	Application in	cluded all the required info	rmation identified in the C	FI Guidelines.		
Project Benefit:	High	The WMP wil	The WMP will analyze flooding problems that exist in the watershed. Currently, flood				
		analysis mod	analysis models are not available or are over 10 years old, and the watershed includes				
Cost Effectiveness:	Medium	Project cost r	Project cost per square mile is in the medium range of historic costs (\$30,001 -				
	Mealann	\$50.000/sg mi) for urban WMPs.					
Past Performance:	Medium	Based on an	assessment of the schedu	le and budget for the 12 or	ngoing projects.		
Complementary Efforts:	Medium	Cooperator's	Community Rating System	class is 6 and is in the 6 t	to 9 range.		
Project Readiness:	High	Project is rea	dy to being on or before De	ecember 1, 2018.			
		r	Strategic Goals				
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	gement: Develop better flo	odplain		
		information a	and implement floodplain m	anagement programs to n	naintain storage and		
		conveyance	and to minimize flood dam	age.			
		Overel	Denking and Decommon	detion			
Fund as High Priority	This proje	ct identifies flo	od risk in an area with no c	letailed study information :	available. The		
r and do ringir r nonty.	resulting	product will be	utilized for flood zone deter	rmination, help implement	solutions that		
	alleviate f	ood risk and ir	nprove water quality, and e	enhance the planning of fu	ture development in		
	the project	t area.	· · · ·				
			Funding				
Funding Source	Р	rior	FY2019	Future	Total		
Pasco County		\$0	\$300,000	\$600,000	\$900,000		
District		\$0	\$300,000	\$600,000	\$900,000		
Total	1	50	1 \$600.000	\$1,200.0001	31.800.000		

Project No. Q014	Conservat	ion-Pasco Co	unty - Toilet R	ebate - Phas	se 12		
Pasco County							FY2019
Risk Level:	Type 1			Multi-Year	Contract: No		
			Descri	otion			
Description:	Financial i	ncentives to re	sidential custo	mers for the	replacement of convention	onal toilets with	
	high-efficie	ency toilets the	it use 1.28 gall	ons per flusl	n or less and to commerci	al customers for	
	the replac	ement of conv	entional toilets	with ultra-lov	w flow toilets that use 1.6	gallons per flush or	
	less. This	project will inc	lude rebates ar	nd program a	administration for the repla	acement of	
	approxima	itely 500 nign i	o ensure the si	o included a	re educational materials,	program promotion	,
Measurable Benefit:	The contr	actual Measure	ble Benefit wil	l he the impl	e program. Iementation of the program	m and the	
	completio	n of a Final Re	port.				
Costs:	Total proje	ect costs: \$100	,000;				
	Pasco Co	unty: \$50,000;					
	District: \$8	50,000.					
	Evaluation						
Application Quality:	High	Application ir	cluded all of th	e required in	nformation identified in the	e CFI Guidelines.	
Project Benefit:	High	The benefit of this project is an estimated 13,956 gpd of water conserved in the					
	النعام	Northern Ian	npa Bay Water	Use Caution	n Area (NTBWUCA).	u o d	
Cost Effectiveness:	High	Project cost e	enectiveness is	below \$3.0	o per thousand gallons sa	ived.	
Past Performance:	Medium	Cooperator p	assessment of	woon 75 od		ingoing projects.	
Complementary Efforts:	Medium	Cooperator p		ween 75 au	125 gpcu.		
Project Readiness:	High	Project is rea	dy to begin on				
Stratagia Capley	Llieb		Strategic	Goals	honoo officionsios in all w		
Strategic Goals:	High	Strategic Ini	tiative - Conse	ervation: En	nance emciencies in all w	ater-use sectors.	
		Tampa Bay Strategies.	Region Priorit	y: Implemen	t Minimum Flow and Leve	el (MFL) Recovery	
		Overal	I Ranking and	Recommer	ndation		
Fund as High Priority.	This proje	ct conserves p	otable water s	upply in the	NTBWUCA and is cost ef	fective.	
			Fund	ing			
Funding Source	Р	rior	FY20 ⁷	19	Future	Total	
District		\$0		\$50,000	\$0		\$50,000
Pasco County		\$0		\$50,000	\$0		\$50,000
Total		\$0		\$100,000	\$0		\$100,000

Project No. Q027	SW IMP - Flood Protection - 56th St and Hanna Avenue Regional Drainage								
Hillsborough County	Improveme	ents				FY2019			
Risk Level:	Туре 3			Multi-Year (Contract:				
		Yes, 1 of 3							
		Description							
Description:	The project	The project consists of design, permitting and construction for drainage improvements to the							
	existing sto	existing stormwater system located in the 56th Street and Hanna Avenue area in the Hillsborough Diver watershed in Hillsborough County. The proposed system will improve the							
	drainage s	HIIISDOROUGH RIVER WATERSNEA IN HIIISDOROUGH COUNTY. The proposed system will improve the							
	outfall to th	he Hillsboroug	h River draina	ae improvem	ents including a diversion	n structure along			
	56th Stree	t and construct	tion of wet det	ention ponds	that will provide flood att	enuation and water			
	quality for	approximately	262 acres. Fi	2019 funding	will be used for complet	ion of design and			
	permitting.				, i	Ū			
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ll be completi	on of design, permitting a	and construction of			
	the propos	sed project to a	construct drain	age conveya	nce system BMPs along	56th Street and			
	Hanna Ave	enue to reduce	e flooding in ap	proximately 2	262 acres of highly urban	ized basin, in			
•	accordanc	e with the per	mitted plans.						
Costs:	Iotal proje	ct cost \$3,350),000 (design,	permitting, co	instruction)				
	District \$1	675 000 with	\$200,000 regu	lested in EV2	010 and \$1 475 000 antic	sinated in future			
	vears	,075,000 with	\$200,000 Tequ		019 and \$1,475,000 and				
	youro.		Evalu	ation					
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI Guidelines.							
		District PM/C	M had to work	with the coo	perator to obtain remainir	ng information.			
Project Benefit:	High	The Resourc	e Benefit of thi	s project will	reduce the existing floodi	ng problem during			
		the 100 year, 24-hour storm event. Structure and street flooding currently occurs in the							
		project area a	and the project	t impacts the	regional or intermediate of	drainage system.			
Cost Effectiveness:	High	Benefit/Cost	ratio is greater	than or equa	I to 1. Benefits include av	voided damages to			
Past Performance:	Medium	Based on an	assessment o	f the schedule	e and budget for the 17 o	ngoing 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	cember 1, 2018.				
-	J. J		Strategi	c Goals					
Strategic Goals:	High	Strategic Ini	itiative - Water	r Quality Ass	essment and Planning:	Collect and			
-	Ŭ	analyze data	to determine	local and regi	ional water quality status	and trends to			
		support reso	urce managen	nent decision	s and restoration initiative	es.			
		Strategic Ini	itiative - Flood	lplain Manag	ement: Develop better flo	oodplain			
		information a	and implement	floodplain ma	anagement programs to r	naintain storage and			
		conveyance	and to minimiz	ze flood dama	ige.				
Fund on Lligh Driarity	The second	Overa	I Ranking and	Recommen	dation				
Fund as high Phonity.	The project	ct includes the	Completion of	Street and H	litting and construction of	arainage			
	annroxima	ately 262 acres	s during the 10		anna Avenue to reduce no				
	аррголітіс		Func	lina					
Funding Source	Р	rior	FY20	19	Future	Total			
District		\$0		\$200,000	\$1,475,000	\$1,675.000			
Hillsborough County	1	\$0		\$200,000	\$1,475,000	\$1.675.000			
Total		\$0		\$400,000	\$2,950,000	\$3,350,000			

Project No. Q028	Reclaimed W	Reclaimed Water-Tampa Augmentation Project Feasibility Phase II					
City of Tampa					FY2019		
Risk Level	Туре 3		Multi-Year	Contract: No			
			Description				
Description	The City is in total cost of \$ (Phase 2) wil Phase 1 proje- store and rec- for subseque of the David continue to o Recovery (AS City will moni program and (HFCAWTP).	The City is in the process of completing Phase 1 of this feasibility study under project N751 for a total cost of \$3,000,000 with the District funding 50 percent of the cost. This phase of the project (Phase 2) will focus on continuing additional needed feasibility steps identified through the Phase 1 project. The overall project goal is to implement a recharge/recovery system to treat, store and recover Advanced Wastewater Treatment (AWT) quality reclaimed water in the aquifer for subsequent delivery to the Hillsborough River Reservoir or directly to the water intake system of the David L. Tippin Water Treatment Facility (DLTWTF). As a part of Phase 2, the City will continue to operate the existing recharge/recovery pilot at the City's Aquifer Storage and Recovery (ASR) B site and refine the groundwater model based on additional data collected. The City will monitor water quality in its wastewater collection system, enhance its source control program and monitoring at the Howard F. Curren Advanced Wastewater Treatment Plant (HFCAWTP). A new recharge well pilot at the City's Rome Avenue ASR site along with other					
Measurable Benefit:	The contract	ual Measur	allons are included to be p	enormed during Phase 2.	the Rome and		
moustable Benefit.	Woodland Te	rrace test s	ites.				
Costs	Total Cost: \$	2,291,000 (feasibility tasks)				
	City of Tampa	a share: \$1	,145,500				
	District: \$1,1	45,500	Evaluation				
Application Quality:	Medium A	pplication in	included most of the require	d information identified in	the CFI guidelines.		
Project Benefit	High T	istrict Pivi na ne propose	ad to work with cooperator	to obtain remaining requi	red information.		
	aı w R	approximately 50 mgd of reclaimed water for recharge into the aquifer with recovered water going to the City's reservoir with the remaining available for Lower Hillsborough River MFL or use by the region.					
Cost Effectiveness	High S R R gr	tudy costs a echarge/Inc echarge Pro reater quan	are higher than similar feas direct Potable Reuse (IPR) oject (SHARP – N287). Ho tities of reclaimed water for	ibility investigations focus projects such as the Sou wever, TAP has the poter alternative supply.	ed on Aquifer th Hillsborough Area ntial for utilizing		
Past Performance:	High B	ased on the	assessment of the schedu	ule and budget for the 9 o	ngoing projects.		
Complementary Efforts:	High Ti re re	ne City has strictions, in quirement a	numerous codes related to ncrease in water restriction and schedule of water rate	 water conservation in plu violation fines, landscapi 	umbing, water use ng, rain sensor		
Project Readiness	High T	ne project is	s ready to begin on or befo	re December 1, 2018.			
			Strategic Goals				
Strategic Goals:	High S	trategic Ini	tiative - Alternative Water	Supplies: Increase deve	lopment of		
	a	Iternative se	ources of water to ensure (groundwater and surface v	water sustainability.		
	Т	o prevent s	ignificant harm and reestal	blish the natural ecosyster	m, determine MFL's		
	a	nd, where r	necessary, develop and im	plement recovery plans.			
	T S	ampa Bay Strategies.	Region Priority: Implemer	It Minimum Flow and Leve	el (MFL) Recovery		
	Т а	ampa Bay nd Lake Se	Region Priority: Improve L eminole	.ake Thonotosassa, Tamp	ba Bay, Lake Tarpon		
		Overa	II Ranking and Recomme	ndation			
Fund as High Priority.	The project of that could be	ontinues th nefit water	e investigation into an inno supply and natural system	ovative indirect potable us s.	e for reclaimed water		
			Funding		T 4 1		
Funding Source	Prio	r مە	¢1 1/6 500	Future en	IOTAI ©1 145 500		
City of Tampa		ው ዓህ .\$በ	\$1,145,500	م ال علي المالي الم المالي المالي	\$1,145,500 \$1,145,500		
Total		\$0 \$0	\$2,291,000	\$0	\$2,291,000		

Project No. Q034	WMP - Bro	oker Creek W	atershed Man	agement Pla	n		
Pinellas County						FY2019	
Risk Level:	Туре 3			Multi-Year	Contract:		
				Yes, Year 1	of 3		
			Descri	ption			
Description:	Complete	a Watershed N	Management F	Plan (WMP) fo	or the Brooker Creek Wat	ershed in Pinellas	
	County, th	rough and incl	uding Watersh	ned Evaluatio	n, Floodplain Analysis, Le	evel of Service (LOS)	
	Determina	tion, Surface \	Nater Resourc	e Assessmer	nt (SWRA), and Best Mar	agement Practice	
Macaurahla Banafitu	(BMP) Alte	BIVE) Alternatives Analysis. FY2019 funding will be used to start Watersned Evaluation.					
measurable beliefit.			able beliefit with SW/BA and	li be the com 1 ovaluatos B	MPs to address flooding	and water quality	
	concerns	in the watershi	ad.		in 3 to address hooding		
Costs:	Total proje	ect cost \$900,0	000				
	Pinellas C	ounty share \$4	450,000				
	District \$4	50,000 with \$7	5,000 request	ed in FY2019	and \$375,000 anticipate	d to be requested in	
	future yea	rs					
	112.1		Evalua	ation			
Application Quality:	High	Application in	icluded all the	required info	rmation identified in the C	FI Guidelines.	
Project Benefit:	High	The WMP will	l analyze flood	ling problems	s that exist in the watershe	ed. Currently, flood	
		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/sq mi) for WMPs completed in urban watersheds. However, additional effort is					
		required to incorporate the five adjacent watershed studies to this WMP.					
Past Performance:	Medium Based on an assessment of the schedule and budget for the 9 ongoing projects.						
Complementary Efforts:	High	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, 2018.		
			Strategie	c Goals			
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Ass	essment and Planning:	Collect and	
		analyze data	to determine	local and reg	ional water quality status	and trends to	
		Support reso	tiative - Flood	nent decision Inlain Manad	s and restoration initiative	odnlain	
		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	l Recommen	dation		
Fund as High Priority.	This proje	ct identifies flo	od risk in an a	rea with exist	ting flood analysis more th	nan 10 years old.	
	The result	ing product wi	ll be utilized fo	r flood zone o	determination, to help imp	lement solutions	
	that allevia	ate flood risk a	nd improve wa	ater quality, a	nd to enhance the plannin	ng of future	
	developm	ent in the proje	ect area. The h	higher cost for	r this urban watershed are	e justified due to the	
	results inc	orporating mo	d over the pas	t iew years a ve adiacent v	no priority to have reason	in Pinellas, Pasco	
	and Hillsb	orough Counti	es.	ve aujacent v			
			Fund	ling			
Funding Source	Р	rior	FY20	19	Future	Total	
Pinellas County		\$0		\$75,000	\$375,000	\$450,000	
District		\$0		\$75,000	\$375,000	\$450,000	
Total		\$0		\$150,000	\$750,000	\$900,000	

Project No. Q036	SW IMP - Flood Protection - Bartlett Park and 7th Street South Stormwater								
City of St. Petersburg	Improvem	ents				FY2019			
Risk Level:	Туре 3			Multi-Year	Contract:				
		Yes, Year 1 of 2							
		Description							
Description:	Design, pe	Design, permitting, and construction of stormwater improvements at Bartlett Park and along 7th							
	Street Sol	Sureet South from Toth Avenue South to 22nd Avenue South. The project's primary objective is to							
	Park and	ark and within Bartlett Park. The existing stormwater system is undersized and is negatively							
	affected b	ed by regional tailwater conditions, resulting in frequent flooding within the neighborhood.							
	The propo	sed drainage i	mprovements	includes low-	impact development (LID) elements, a			
	nutrient se	eparating baffle	box, and incr	eased conve	yance capacity via enlarge	ed piping and			
	natural sw	ales. Water qu	ality improven	nents provide	an additional benefit to the	ne project. FY2019			
Measurable Benefit:	The contra	actual Measure	able Renefit wi	II ha tha dasi	an permitting and constr	uction of			
	stormwate	er drainage imp	provements at	Bartlett Park	and along 7th Street Sout	th from 18 th Avenue			
	South to 2	2nd Avenue S	outh that will r	educe structu	ure and street flooding in t	he 48.5 acre			
	surroundir	ng area, in acc	ordance with t	he permitted	plans.				
Costs:	Total proje	ect cost \$2,350	,000 (Design,	permitting, a	nd construction)				
	City of St.	Petersburg sn	are \$1,175,00	U acted in EV2	010 and \$1 052 500 antic	instad to be			
	requested	in future vear	\$122,300 iequ S			ipated to be			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Evalua	ation					
Application Quality:	Medium	Application in	cluded most o	f the required	d information identified in t	the CFI guidelines.			
		District PM/C	M had to work	with coopera	ator to obtain remaining re	quired information.			
Project Benefit:	High	The Resourc	e Benefit of thi	s project will	reduce the existing floodi	ng problem during			
		The 10 year, 24-hour storm event. Structure and street flooding currently occurs in the							
Cost Effectiveness:	High	Benefit/Cost	ratio is greater	than or equa	al to 1. Benefits include av	oided damages to			
	Ŭ	roads.		•		5			
Past Performance:	High	Based on an	assessment o	f the schedul	e and budget for the 6 on	going project.			
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, 2018.				
Otracto si a O s al s	1.12. 1		Strategio	c Goals					
Strategic Goals:	Hign	and impleme	tiative - Water	Quality Mai	ntenance and Improvem	ent: Develop d improve water			
		quality.	in programs, p						
		Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	odplain			
		information a	and implement	floodplain m	anagement programs to n	naintain storage and			
		conveyance	and to minimiz	e flood dama	age.				
		0		December					
Fund as High Priority.	This proje	ct will reduce t	he existing and	ucture and st	reet flooding problem up t	o the 10 year			
i and do right holity.	24-hour s	torm event at E	Bartlett Park ar	nd along 7th S	Street South from 18th Av	enue South to 22nd			
	Avenue S	outh.							
			Fund	ling					
Funding Source	P	rior	FY20	19	Future	Total			
City of St. Petersburg		\$0		\$122,500	\$1,052,500	\$1,175,000			
		\$0 ¢0		\$122,500	\$1,052,500	\$1,175,000 \$2,250,000			
Iotal		\$U		JZ45,000	ą∠,105,000	ֆ∠,აວ∪,000			

Project No. Q041	Conservat	ion- New Port	Richey Toilet R	Rebate - Ph	ase 5		
New Port Richey						FY2019	
Risk Level:	Type 1			Multi-Year	Contract: No		
			Descrip	tion			
Description:	Financial i	Financial incentives to residential customers for the replacement of conventional toilets with					
	high-efficie	ency toilets tha	it use 1.28 gallo	ns per flusł	n or less and to commerci	al customers for	
	the replace	ement of conv	entional toilets v	vith ultra-lov	w flow toilets that use 1.6	gallons per flush or	
	less. This	project will inc	lude rebates and	a program a	administration for the repla		
	promotion	and surveys r	ecessary to en	sure the sur	ccess of the program.	logram	
Measurable Benefit:	The contra	actual Measura	able Benefit will	be the impl	ementation of the program	n and the	
	completio	n of a Final Re	port.				
Costs:	Total proje	ect costs: \$14,	940;				
	City of Ne	w Port Richey:	: \$7,470;				
	District: \$7,470.						
Application Quality:	High	High Application included all of the required information identified in the CEL Guidelines					
Project Benefit:	High	The benefit of this project is an estimated 1.874 gpd of water conserved in the Northern					
	J	Tampa Bay Water Use Caution Area (NTBWUCA).					
Cost Effectiveness:	High	Project cost e	effectiveness is	below \$3.0	0 per thousand gallons sa	ved.	
Past Performance:	High	Based on an	assessment of	the schedu	e and budget for the 2 on	going projects.	
Complementary Efforts:	Medium	Cooperator p	er capita is betv	veen 75 an	d 125 gpcd.		
Project Readiness:	High	Project is rea	dy to begin on c	or before De	ecember 1, 2018.		
			Strategic	Goals			
Strategic Goals:	High	Strategic Ini	tiative - Conse	rvation: En	hance efficiencies in all w	ater-use sectors.	
		Tampa Bay	Region Priority	: Implemen	t Minimum Flow and Leve	el (MFL) Recovery	
		Strategies.	Ponking and	Pagammar	adation		
Fund as High Priority.	This proie	ect conserves r	otable water su	nolv in the	NTRWUCA and is cost ef	fective	
			Fundi	ng			
Funding Source	Р	rior	FY201	9	Future	Total	
District		\$0		\$7,470	\$0	\$7,470	
New Port Richey		\$0		\$7,470	\$0	\$7,470	
Total		\$0		\$14,940	\$0	\$14,940	

Project No. Q042	SW IMP - Flood Protection - PHSC Berm/Boggy Creek								
Pasco County							FY2019		
Risk Level:	Туре 3			Multi-Year	Contract: No				
Description									
Description	This proje	ct consists of 3	30% design an	d third-party	review for the Boggy Cree	ek conveyance			
	Acros Cro	Improvements. The Boggy Creek system receives stormwater from Crane's Roost, Lake Worrell							
	flooding in	Acres, Crescent Forest and Bass Lake Estates neighborhoods which have experienced major							
	located on	the Pasco He	ernando State (College prop	erty and expanding the ca	apacity for the			
	existing dr	ainage system	as well as cre	eating new co	priveyance paths near the	Hidden Lake			
	Airport and	d south of Ride	ge Road. The I	-Y2019 fund	ng request is to complete	e 30% design and			
	third-party	review which	will provide the	e necessary i	nformation to support fun	ding in future years			
	to complet	te design, perr	nitting, and cor	nstruction.					
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the com	pletion of 30% design of t	this proposed			
	project to	construct a co	ntrol structure	in the Pasco	Hernando State College	berm and			
Casta	conveyan	ce improveme	nts to the Bogg	y Creek drai	nage system.				
Costs	Passo Co	unty share \$1		jn and third-p	barty review)				
	District \$1	25 000	25,000						
	The total of	conceptual est	imate for desid	n. permittina	and construction is \$3.2	50.000. It is			
	anticipate	d that the Cou	nty will request	funding to c	omplete design, permittin	g, and construction			
	in future y	ears.		C C					
			Evalua	ation					
Application Quality:	Medium	Application ir	cluded most o	f the require	d information identified in	the CFI guidelines.			
		District PM/C	M had to work	with coopera	ator to obtain remaining re	equired information.			
Project Benefit:	High	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							
		intermediate	drainade syste	m	ine project impacts the re	gional of			
Cost Effectiveness:	Hiah	Benefit/Cost	ratio is greater	than or equa	al to 1. Benefits include av	voided damages to			
		structures an	d roads.						
Past Performance:	Medium	Based on an	assessment o	f the schedul	e and budget for the 12 o	ngoing 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	or before De	ecember 1, 2018.				
		1	Strategio	: Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Flood	plain Manag	ement: Develop better flo	oodplain			
		information a	and implement	floodplain m	anagement programs to r	maintain storage and	1		
		conveyance	and to minimiz	te flood dama	age.				
]							
Fund as High Priority	The Cours	tv is requestin	a funde to com	nlete 200/ d	vation	aw only The results			
i una as riight nonty.	from the 3	10% design pla	ins and third-n	arty review w	ill provide the District with	better information			
	to confirm	the resource	benefits and co	ost effectiven	ess of constructing this p	roiect . If			
	constructe	ed, this project	will reduce str	ucture and s	reet flooding during the 1	00 year, 24-hour			
	storm eve	nt.				-			
			Fund	ling					
Funding Source	Р	rior	FY20	19	Future	Total			
Pasco County		\$0		\$125,000	\$0	9	\$125,000		
District		\$0		\$125,000	\$0	\$	\$125,000		
Total		\$0		\$250,000	\$0	9	\$250,000		

Project No. W024	FY2019 Tampa Bay Environmental Restoration Fund							
ТВЕР					1	FY2019		
Risk Level:	Type 1		Multi-Year C	ontract: No				
Description								
Description:	The Tamp	a Bay Environ	mental Restoration Fund (TE	BERF) was established to f	und restoration,			
	research a	research and education initiatives in Tampa Bay. The Tampa Bay Estuary Program (TBEP)						
	manages	the fund and s	ecures local funding to levera	age with funds obtained na	tionally by the			
	Restore A	merica's Estua	aries (RAE) through environm	nental fines and philanthrop	oic gifts.			
Measurable Benefit:	The project	ct will fund nur	nerous water quality improve	ment and habitat restoration	on projects			
	throughou	t the Tampa B	ay watershed.					
Costs:	Total proje	ect cost: \$700,	000					
	IBEP sha	re \$350,000	ted in EV(40 (District shows i					
	District \$3	50,000 reques	REG IN FY 19. (DISTRICT Share I	nciudes a 10% administrat	ive fee for each			
	grant man	aged by the T	DEF) Evaluation					
Application Quality:	High	Application in	cluded all the required inform	nation identified in the CEL	quidelines			
Application Quality.	High		improvement and hebitat re-	staration in Tampa Day, a				
Project Benefit:	піўп	water body	improvement and nabitat res	storation in Tampa bay, a	Svylivi priority			
Cost Effectiveness:	High	District funds	will be leveraged with other	local federal private and	penalty funds			
Past Performance:	High	Based on an assessment of the schedule and hudget for the 4 ongoing projects						
Complementary Efforts:	High	TREP developed a model fertilizer ordinance that was used by the Cities of St						
Complementary Enorts.	riigii	Petersburg and Tampa Manatee County and Pinellas County TREP also						
		implemented education campaigns for the fertilizer ordinances and for dog waste						
		management			0			
Project Readiness:	High	Project is rea	dy to begin on or before Dec	ember 1, 2018.				
			Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water Quality Main	tenance and Improvemen	t: Develop			
		and impleme	ent programs, projects and re	egulations to maintain and	mprove water			
		quality.						
		Strategic In	tiative - Conservation and I	Restoration: Identify critica				
		environment	ally sensitive ecosystems an	d implement plans for prot	ection or			
		restoration.	De siene Daie sites lassance las					
		and Lake Sc	region Priority: Improve La	ke monotosassa, rampa i	say, Lake Tarpon			
			Il Ranking and Recommend	lation				
Fund as High Priority.	Due to the	e leveraging of	local, federal, private, and p	enalty funds, this project is	a verv cost			
, j	effective n	neans to imple	ment water quality and habit	at restoration projects for 7	Tampa Bay, a			
	SWIM pric	prity water bod	y. The District has provided	funding for the TBERF sind	e FY2013. For			
	FY2013 -	FY2017 the TI	BERF funded 43 projects at a	a total grant amount of \$3.	7 million. Eight			
	District pro	ojects were fur	nded at a grant amount of \$1	.2 million.				
			Funding					
Funding Source	Р	rior	FY2019	Future	Total			
TBEP		\$0	\$350,000	\$0	\$3	350,000		
District		\$0	\$350,000	\$0	\$3	350,000		
Total		\$0	\$700,000	\$0	\$7	700,000		

Project No. W214	Restoratio	Restoration - Roosevelt Creek Channel 5 Improvements					
Pinellas County					FY2019		
Risk Level:	Type 2		Multi-Year	Contract: No			
			Description				
Description:	Modification Creek Cha waterbody	on of a salinity annel 5 to resto /.	structure, sediment remov ore natural systems associ	al and exotic species cont ated with Tampa Bay, a S	trol on Roosevelt WIM priority		
Measurable Benefit:	The contra of sedime Bay, a SV	actual Measura nts and invasiv VIM priority wa	able Benefit will be the mod /e species to restore 13 ac terbody	dification of a salinity barri res of natural systems as	er and the removal sociated with Tampa		
Costs:	Total proje Pinellas C District: \$3	ect cost: \$715, County: \$357,5 357,571 reque	142 (Construction) 71 sted in FY2019.				
		-	Evaluation				
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.					
Project Benefit:	High	The resource benefit of this project is restoration of natural systems associated with Tampa Bay, a SWIM priority water body.					
Cost Effectiveness:	Medium	The estimated cost/acre restored is slightly higher than the historical average of \$53,326/acre restored.					
Past Performance:	Medium	Based on an assessment of the schedule and budget for the 9 ongoing projects.					
Complementary Efforts:	High	The County h removal/treat open space.	nas an environmentally ser ment program, an Adopt a and other complementary	sitive land purchase prog Pond Program, maintains efforts that preserve or res	ram, exotic s a nature park and store natural systems .		
Project Readiness:	High	Project is rea	dy to begin on or before D	ecember 1, 2018.			
		1	Strategic Goals				
Strategic Goals:	High	 Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration. Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole 					
		Overal	I Ranking and Recomme	ndation			
Fund as High Priority.	The proje efforts by	ct costs are slig the County to	ghtly higher than the histor enhance natural systems i	ic average however the pr n Tampa Bay, a SWIM pri	roject will continue ority waterbody.		
			Funding				
Funding Source	P	rior	FY2019	Future	Total		
District		\$0	\$357,571	\$0	\$357,571		
		<u>\$0</u> دم	\$357,571	\$0 ©	\$357,571 \$715,142		
Iotai		φU] ຈຳ 15,142	φ υ	ψ/10,142		

Project No. W296	SW IMP - V	Vater Quality	East Treasure Island C	auseway BMPs				
City of Treasure Island					FY2019			
Risk Level:	Type 2		Multi-Yea	r Contract: No				
	-		Description					
Description:	Constructi	on of stormwa	ter improvement BMPs f	or currently untreated areas	discharging into			
	Boca Cieg	Boca Ciega Bay and ultimately Tampa Bay, a SWIM priority waterbody. Approved funds will be						
	used for c	onstruction of	stormwater treatment ab	ove and beyond permit requ	iirements.			
Measurable Benefit:	The contra	actual Measura	able Benefit will be the co	Instruction of BMPs to treat	stormwater runoff			
	from 8 acr	res of urbanize	d watershed, in accorda	nce with the permitted plans	s. There will be no			
Costs	Total proje	or periorman	500 (Construction)					
00515.	City of Tre	asure Island	\$275 250					
	District: \$2	275,250 reque	sted in FY19					
	·	· · ·	Evaluation					
Application Quality:	Medium	Application ir	cluded most of the requi	red information identified in	the CFI guidelines.			
		District PM/C	M had to work with coop	erator to obtain remaining re	equired information.			
Project Benefit:	High	The Resourc	e Benefit of this water qu	ality project is the reduction	of pollutant loads to			
0	N.4. 1	Tampa Bay b	y an estimated 1,377 lbs	/year of TSS.				
Cost Effectiveness:	Medium	The estimated cost/lb of TSS removed is at or below the historical average cost of						
		p∠ond and the cost per acre treated is above the historical average cost of \$46,947 for coastal water quality projects						
Past Performance:	Hiah	Based on an	assessment of the sched	lule and budget for the 1 on	aoina proiect.			
Complementary Efforts:	High	The City has	an active stormwater util	ity that collects fees.				
Project Readiness:	Medium	The project is	ready to begin on or be	fore March 1, 2019.				
			Strategic Goals					
Strategic Goals:	High	Strategic Ini	tiative - Water Quality N	laintenance and Improvem	ent: Develop			
		and impleme	ent programs, projects an	d regulations to maintain ar	nd improve water			
		quality.						
		Tampa Bay	Region Priority: Improve	Lake Thonotosassa, Tamp	a Bay, Lake Tarpon			
		and Lake Se	minole.					
Fund on Lligh Driarity	The secio	Overa	I Ranking and Recomm	endation				
Fund as high Phoney.	I ne proje	ct will reduce s	tormwater impacts to Bo	ca Clega Bay and Tampa B	ay, a Swim priority			
	waterbou		Funding	·y				
Funding Source	Р	rior	FY2019	Future	Total			
City of Treasure Island		\$0	\$275.2	50 \$0	\$275.250			
District		\$0	\$275.2	50 \$0	\$275.250			
Total		\$0	\$550,50	\$0	\$550,500			

Project No. N970	WMP - Sout	WMP - South Creek Watershed Management Plan					
Pinellas County				_			FY2019
Risk Level:	Туре 3			Multi-Year	Contract:		
		Yes, Year 1 of 3					
			Descr	iption			
Description:	Complete a	Watershed N	Management F	Plan (WMP) f	or the South Creek Waters	shed in Pinellas	
	County, three	ough and incl	uding Watersh	hed Evaluatio	n, Floodplain Analysis, Le	vel of Service (LC	JS)
	(RMP) Alter	natives Analy	valer Resourd	unding will be	ni (SWRA), and best Man	Evaluation	
Measurable Benefit:	The contrac	ctual Measura	able Benefit w	ill be the com	pletion of a WMP that ider	ntifies floodplains	
	establishes	LOS, perforr	ns SWRA, and	d evaluates E	BMPs to address flooding a	and water quality	
	concerns in	the watershe	ed.				
Costs:	Total project	t cost \$750,0	00				
	Pinellas Co	unty share \$	375,000 75,000 maguaa	ted in EV004	and \$200,000 antisinate		i
	future vear	ວ,000 with ຈ <i>າ</i> ະ	5,000 reques		and \$300,000 anticipate	u to be requested	111
		,	Evalu	ation			
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the C	FI Guidelines.	
Project Benefit:	High	The WMP wil	l analyze flood	ding problems	s that exist in the watershe	ed. Currently, floo	d
		analysis mod	els are not av	ailable or are	over 10 years old, and the	e watershed inclue	des
		regional or in	termediate sto	ormwater syst	ems.		
Cost Effectiveness:	Low	Project cost p	per square mil	e is in the hig	h-range of historic costs (I	more than	
		\$50,000/sq m	11) for WIVIPs C ad will require	completed in i	offort during the watersheds. This is	a neavily urbanize	ed De
		floodolain an	alvsis phases	of the project			1
Past Performance:	Medium	Based on an	assessment c	of the schedul	e and budget for the 9 ong	going projects.	
Complementary Efforts:	High	Cooperator's	Community R	ating System	class is 5 and is in the 5 o	or better range.	
Project Readiness:	High	Project is rea	dy to begin or	n or before De	ecember 1, 2018.		
			Strategi	c Goals			
Strategic Goals:	High	Strategic Ini	tiative - Wate	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 manager	ment decision	is and restoration initiative	S. odploip	
		information a	and implement	t floodplain m	anagement programs to r	oupiain naintain storage a	nd
		conveyance	and to minimize	ze flood dama	age.	lantan otorago a	
		-			-		
		Overal	I Ranking and	d Recommen	dation		
Fund as Medium Priority.	This projec	t identifies flo	od risk in an a	area with no d	letailed study information a	available. The	
	resulting pr	oduct will be	utilized for floo	od zone deter	mination, to help impleme	nt solutions that	
	alleviate flood risk and improve water quality, and to enhance the planning of future development						
	an the project area. The higher cost are associated with the watershed evaluation and fioodplain analysis effort in this highly urbanized watershed						
			<u>Func</u>	ding			
Funding Source	Pri	or	FY20)19	Future	Total	
Pinellas County		\$0		\$75,000	\$300,000		\$375,000
District		\$0		\$75,000	\$300,000		\$375,000
Total		\$0		\$150,000	\$600,000		\$750,000

Project No. N976	Study-Belleair Hydrogeologic Investigation for a Brackish Groundwater Water Supply						
Town of Belleair						FY201	
Risk Level:	Туре 3			Multi-Year C	ontract:		
				Yes, 1 of 2			
			Descri	ption			
Description:	This proje	ct is for a hydr	ogeologic inve	stigation to de	termine the feasibility of	developing a	
	is the first	phase of deve	loping a brack	ish groundwat	er reverse osmosis (RO)	desalination	
	system. TI	tem. The Project will have two objectives. The first is to identify a zone in the Upper Floridan					
	aquifer that	at will produce	significant qua	antities of brack	kish groundwater and co	nduct tests to	
	determine	its productivity	, water quality	, and long-terr	n stability. The second o	bjective is to	
	identify an	d test a zone l	pelow the prod	luction zone th	at will be suitable for inje	ection of brine	
Maaaurahla Danafitu	concentra	te from the RC	treatment pro				
measurable benefit:	I ne contra	actual Measura	able Benefit wi	II be the comp	ietion of a report that pro	ouces	
	alternative	e water supply.		a i londan aqu			
Costs:	Total proje	ect cost: \$1,01	9,975;				
	Town of B	elleair share: S	\$509,988;				
	District: \$5	509,987 with \$	339,992 in FY	2019 and \$169	9,995 in future years.		
			Evalu	ation			
Application Quality:	High	Application in	icluded all the	required inform	nation identified in the C	FI guidelines.	
Project Benefit:	High	The benefit of	f this project is	s enhancement	t of groundwater resourc	e data to improve	
		Use Caution	models and m Area (NTRWI)	ICA) Substanti	al resource benefit expe	ern Tampa Bay water	
Cost Effectiveness:	Hiah	The cost effe	ctiveness app	ears reasonabl	le and consistent with the	e District's average	
	Ŭ	costs for simi	lar projects.			5	
Past Performance:	Medium	Based of an	assessment of	the schedule	and budget for the 2 ong	oing projects.	
Complementary Efforts:	Medium	Cooperator p	er capita is be	tween 101 and	150 gpcd which is eithe	er a low or medium	
Droject Readinees	High	ranking.	dy to bogin on	or boforo Dog	ombor 1, 2019		
Project Readiness.	Tilgh		Strategi	C Goals	ember 1, 2016.		
Strategic Goals:	High	Strategic Ini	tiativo - Altor	o obais nativo Wator S	unnlins: Increase devel	opment of	
ettatogie eeutet	i ngin	alternative s	ources of wate	r to ensure arc	oundwater and surface w	vater sustainability.	
		Tampa Bay	Region Priorit	t y : Implement I	Minimum Flow and Leve	I (MFL) Recovery	
		Strategies.					
		Overa	II Ranking and	d Recommend	ation		
Fund as Medium Priority.	Project is	a groundwate	study to evalu	uate brackish v	vater as a potential alter	native water source	
	to meet the strategic initiative of developing AVVS to sustain existing freshwater sources in the						
	NIBWOO	7 \.	Func	ling			
Funding Source	Р	rior	FY20	19	Future	Total	
Town of Belleair		\$0		\$339,993	\$169,995	\$509,98	
District		\$0		\$339,992	\$169,995	\$509,98	
Total		\$0		\$679,985	\$339,990	\$1,019,97	

Project No. N993	WMP - Cyp	WMP - Cypress Creek Watershed Management Plan Update					
Pasco County						FY2	019
Risk Level:	Type 4		M	ulti-Year Con	ntract:		
			Ye	es, Year 1 of 3	3		
			Descriptio	on			
Description:	Complete	a Watershed N	lanagement Plan	(WMP) upda	ate for the Cypress Cree	ek watershed in	
	Pasco Co	unty, through a	and including Wate	ershed Evalua	ation, Floodplain Analys	sis, Level of	
	Service (L	OS) Determina	ation, and Best Ma	anagement P	ractice (BMP) Alternati	ve Analysis.	
	FY2019 fu	inding will be u	sed to begin the \	Natershed Ev	valuation.		
Measurable Benefit:	The Meas	urable Benefit	will be the comple	etion of an up	dated WMP that identif	ies floodplains,	
	establishe	s LOS, and ev	aluates BMPs to a	address flood	ling concerns in the wat	tershed.	
Costs:	lotal proje	ect cost \$1,800	0,000				
	Pasco Co		10,000 200,000 requested		and \$700 000 anticipat	ad to be requested	
	in futuro v	00,000 with \$2	00,000 requested	1111 F 12019, a	and \$700,000 anticipate	ed to be requested	
	in luture y	ears.	Evaluatio	n			
Application Quality:	High	Application in	cluded all the req	uired informa	ation identified in the CE	I Guidelines	
Project Percefity	Modium	Identification		me that evict	in the watershed and a	olutiona Currently	
Project Benefit:	Medium	flood analysis	or noouing proble	able and are	from 5 to 10 years old	and the watershed	
		includes regi	nal or intermedia	te stormwate	nom 5 to 10 years old,	and the watershed	
Cost Effectiveness:	High	Project cost r	or square mile is	in the low rar	nge of historic costs (les	ss than \$22 000/sg	
	i ligit	mi) for WMP	updates complete	d in urban wa	atersheds.	50 than \$22,000,09	
Past Performance:	Medium	Based on an	assessment of the	e schedule ar	nd budget for the 12 on	going projects.	
Complementary Efforts:	Medium	Cooperator's	Community Ratin	g System cla	iss is 6 and is in the 6 to	o 9 range.	
Project Readiness:	Medium	Project is rea	dy to begin on or	before March	n 1, 2019.		
			Strategic G	oals			
Strategic Goals:	Medium	Strategic Ini	tiative - Floodpla	in Managem	ent: Develop better floo	odplain	
		information a	and implement floo	odplain mana	gement programs to ma	aintain storage and	
		conveyance	and to minimize fl	ood damage			
		Overal	I Ranking and Re	ecommendat	ion		
Fund as Medium Priority.	This proje	ct updates floo	od risk in an area v	with existing f	flood analysis that is 5 t	o 10 years old.	
	The resulting product will be utilized for flood zone determination, to help implement solutions						
	that alleviate flood risk, and enhance the planning of future development in the project area.						
			Funding				
Funding Source	P	rior	FY2019		Future	Total	
Pasco County		\$0		\$200,000	\$700,000	\$900,	000
District		\$0		\$200,000	\$700,000	\$900,	000
Total		\$0	Ċ,	\$400,000	\$1,400,000	\$1,800,	000

Project No. N997	WMP - Ker	neth City Wat	ershed Management Plan				
Kenneth City						FY2019	
Risk Level	Туре 3		Multi-Year (Contract: No			
			Description				
Description	Complete	a Watershed N	Management Plan for the To	wn of Kenneth City in the	Joe's Creek		
	Watershee	tershed in Pinellas County using digital topographic information, ERP Data, and land use					
	updates. 7	he project will	also consist of Best Manag	ement Practices (BMP) a	Iternative analysis,		
	Level of S	ervice (LOS) ir	mprovement recommendation	ons, Surface Water Reso	urce Assessment		
	(SWRA), s	stormwater inv	entory and condition assess	sment and stormwater uti	ity master plan The		
	WMP will	provide the ne	cessary information for the	town to pursue a dedicate	ed stormwater utility		
	and assoc	iated fee to im	prove the Town's ability to f	und stormwater capital pi	ojects. FY2019		
Maaamakia Dawafita	funding wi	Il be used to c	omplete the WMP and storn	nwater inventory.			
Measurable Benefit:	The contra		able Benefit will be the com	pletion of a Watershed Ma	anagement Plan		
Casta	Total proje	ne LOS, SWR	A, and BMP alternative and	liysis.			
COSIS	Town of K	enneth City sh	are \$62.500				
	District \$6	2 500	are \$02,000				
	Biotriot ¢0	2,000	Evaluation				
Application Quality	Medium	Application in	cluded most of the required	I information identified in	the CFI quidelines.		
		District PM/C	M had to work with coopera	tor to obtain remaining re	equired information.		
Project Benefit	Medium	The WMP wil	I analyze flooding problems	that exist in the watershe	ed. Currently, flood		
		analysis mod	els are available and are fro	om 5 to 10 years old, and	the watershed		
		includes regio	onal or intermediate stormw	ater systems.			
Cost Effectiveness	Medium	Project cost p	per square mile is in the hig	h range of historic costs (more than		
		\$31,001/sq n	i) for WMP updates comple	eted in urban watersheds	. However, the		
		project includ	es additional tasks beyond	the normal scope of work	for an update.		
		Those addition	onal tasks, in addition to the	large population density,	justify the cost		
Boot Dorformonoo	High	Pased on the	ranking.	ing projects with the Dist	rict thoy are ranked		
Fast Feriorinance.	підп	high			not they are ranked		
Complementary Efforts	Medium	Cooperator's	Community Rating 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	cember 1, 2018.	0		
	J	,	Strategic Goals				
Strategic Goals	Hiah	Strategic Ini	tiative - Water Quality Ass	essment and Planning:	Collect and		
Ŭ	5	analyze data	to determine local and regi	ional water quality status	and trends to		
		support reso	urce management decision	s and restoration initiative	es.		
		Strategic Ini	tiative - Floodplain Manag	ement: Develop better flo	odplain		
		information a	and implement floodplain ma	anagement programs to r	naintain storage and		
		conveyance	and to minimize flood dama	ige.			
		Overa	I Ranking and Recommen	dation			
Fund as Medium Priority.	This proje	ct identifies flo	od risk in an area with no d	etailed study information	available. The		
	resulting p	broduct will be	utilized for flood zone deter	mination, help implement	solutions that		
	alleviate flood risk and improve water quality, develop a stormwater inventory and condition						
	assessment and stormwater utility master plan, and enhance the planning of future development						
	in the proj	cul alca.	Funding				
Funding Source	P	rior	FY2019	Future	Total		
District			\$62.500	\$0		\$62,500	
Kenneth City		\$0 \$0	\$62.500	\$0		\$62,500	
Total	1	\$0 \$0	\$125,000	\$0	\$	125,000	

Project No. Q011	WMP - Pith	VMP - Pithlachascotee/Bear Creek Watershed Management Plan Update						
Pasco County					FY2019			
Risk Level:	Type 4		Multi-Year	Contract:				
			Description					
Description:	Complete	a Watershed M	/anagement Plan (WMP) (Indate for the Pithlachasco	otee River/Bear			
Decemption	Creek wat	k watershed in Pasco County, through and including Watershed Evaluation, Floodplain						
	Analysis, I	evel of Servic	e (LOS) Determination, an	d Best Management Practi	ise (BMP)			
	Alternative	Analysis. FY2	2019 funding will be used to	o begin the Watershed Eva	aluation.			
Measurable Benefit:	The Meas	urable Benefit	will be the completion of a	n updated WMP that identi	fies floodplains,			
	establishe	s LOS, and ev	aluates BMPs to address f	looding concerns in the wa	atershed.			
Costs:	Total proje	ct cost \$1,600	,000					
	Pasco Co	unty share \$80	0,000					
	District \$8	00,000 with \$2	200,000 requested in FY20	19 and \$600,000 anticipate	ed to be requested			
	in future y	ears.	Evolution					
Application Quality	High	Application in	Evaluation	rmation identified in the CI	El Guidelines			
Application Quality.	Madium							
Project Benefit:	weaturn	flood opolygi	or nooding problems that e	are from 5 to 10 years old	and the watershed			
		includes regi	onal or intermediate storm	vater systems	, and the watershed			
Cost Effectiveness:	High	Project cost r	per square mile is in the low	v range of historic costs (le	ss than \$22,000/sg			
	. ng. i	mi) for WMP	updates completed in urba	n watersheds.				
Past Performance:	Medium	Based on an	assessment of the schedu	le and budget for the 12 or	ngoing projects.			
Complementary Efforts:	Medium	Cooperator's	Community Rating System	n class is 6 and is in the 6 t	o 9 range.			
Project Readiness:	Medium	Project is rea	dy to begin on or before M	arch 1, 2019.				
			Strategic Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Floodplain Manag	gement: Develop better flo	odplain			
		information a	and implement floodplain m	anagement programs to m	naintain storage and			
		conveyance	and to minimize flood dam	age.				
		Overa	I Ranking and Recommen	ndation				
Fund as Medium Priority.	This proje	ct updates floo	od risk in an area with exist	ing flood analysis that is 5	to 10 years old.			
	The resulting product will be utilized for flood zone determination, to help implement solutions							
	that allevia	ale fiood fisk, a	Euroding	bi intere development in th	e project area.			
Eunding Source	D	Prior EV2019 Eviture Tatal						
Pasco County		<u>۵</u> ۵	\$200.000	\$600.000	\$800.000			
District		οφ Ω\$	\$200,000	\$600,000	\$800,000			
Total		\$0 \$0	\$400.000	\$1,200.000	\$1,600.000			

Project No. Q026	SW IMP - F	SW IMP - Flood Protection - N Falkenburg Rd. Drainage Improvements					
Hillsborough County					FY2019		
Risk Level	Type 2		Multi-Year	Contract: No			
			Description				
Description	This proje at N. Falke watershed ultimately the Hillsbo 2011. The storm eve	his project is for construction to improve the existing drainage system by upsizing the culverts N. Falkenburg Road, Sligh Avenue and Wilkins Road located in the Hillsborough River atershed in Hillsborough County. The proposed drainage improvements along the system timately outfall to the Tampa Bypass Canal. The project was recommended as an alternative in e Hillsborough River and Tampa Bypass Canal Watershed Master Plan Update completed in 011. The proposed system will provide flooding relief for the area up to the 25 year, 24-hour form event for approximately 392 acres. FY2019 funding will be used for construction.					
Measurable Benefit:	The contra to reduce permitted	actual Measura flooding in app plans.	able Benefit will be construc proximately 392 acres of hig	tion of drainage conveya hly urbanized basin, in a	nce system BMP's ccordance with the		
Costs	Total proje Hillsborou District \$5	ect cost \$1,000 gh County sha 00,000 reques	,000 (construction) ire \$500,000 ted in FY2019.				
		_	Evaluation				
Application Quality:	Medium	Medium Application included most of the required information identified in the CFI Guidelines. District PM/CM had to work with the cooperator to obtain remaining information.					
Project Benefit:	High	High The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event for structures. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.					
Cost Effectiveness	: Low	Benefit/cost r roads.	atio is less than 0.7. Benefi	ts include avoided damag	jes to structures and		
Past Performance:	Medium	Based on an	assessment of the schedul	e and budget for the 17 o	ngoing projects.		
Complementary Efforts:	High	Cooperator's	Community Rating System	class is 5 and is in the 5 $% \left(1-\frac{1}{2}\right) =0$	or better range.		
Project Readiness	High	Project is rea	dy to begin on or before De	cember 1, 2018.			
			Strategic Goals				
Strategic Goals:	Medium	Medium 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 Recommen	dation			
Fund as Medium Priority.	The project approximation streets for	The project consists of construction of drainage conveyance system BMP's to reduce flooding in approximately 392 acres of highly urbanized basin that will reduce flooding for structures and streets for the 25 year, 24-hour storm event.					
Funding: Original			Funding	Future	Tatal		
Funding Source	Р	rior *^	F 1 2019	Future	Iotal		
	<u> </u>	\$0	\$000,000 ¢500,000	\$U ¢0	\$500,000		
		\$U \$0	ຈວບບ,ບບບ \$1 000 000	ው ምር	\$500,000 \$1,000,000		
iotai		ψ	φ1,000,000	ψυ	ψ1,000,000		

Project No. Q045	SW IMP - Water Quality - Beach Street Stormwater System Improvements					
New Port Richey					FY2019	
Risk Level:	Туре 3		Multi-Year	Contract: No		
	-		Description			
Description:	Design, pe	ermitting and c	onstruction of stormwater i	mprovement BMPs to trea	at runoff and improve	
	water qua	lity discharging	to the Pithlachascotee Riv	ver in New Port Richey.		
Measurable Benefit:	The contra	actual Measura	able Benefit will be the desi	gn, permitting, and constr	ruction of LID BMPs	
	to treat sto	ormwater runo	ff from a 13 acre highly urb	anized watershed. Constr	ruction will be done	
	in accorda	ance with the p	ermitted plans. There will b	e no monitoring or perfor	mance testing	
	requireme	ents.				
Costs:	Iotal proje	ect cost: \$708,	800 (Design, permitting and	d construction)		
	City of Ne		\$354,400			
1	District. 5.	554,400	Evaluation			
Application Quality:	Modium	Application in	cluded most of the require	d information identified in	the CEL quidelines	
Application Quality.	weaturn	District PM/CM had to work with cooperator to obtain remaining required information				
Project Benefit:	Hiah	The Resourc	e Benefit of this water quali	ity project is the reduction	of pollutant loads to	
		Pithlachasco	tee River by an estimated 5	5,200 lbs/yr of TSS.	- F	
Cost Effectiveness:	Medium	The estimate	d cost/lb of TSS removed is	s below the historical aver	rage cost of \$12/lb,	
		and the cost/	acre treated is above the h	istorical average cost of \$	8,050/acre treated for	
		Urban/Subur	ban water quality projects.			
Past Performance:	Medium	Based on an	assessment of the schedu	e and budget for the 2 on	igoing projects.	
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.		
Project Readiness:	High	Project is exp	pected to begin on or before	e December 1, 2018.		
		_	Strategic Goals			
Strategic Goals:	Medium	Strategic Ini	tiative - Water Quality Mai	intenance and Improvem	ient: Develop	
		and impleme	ent programs, projects and	regulations to maintain ar	nd improve water	
		quality.				
	Overall Ranking and Recommendation					
Fund as Medium Priority.	The project will improve water quality discharging to the Pithlachascotee River, a non-priority					
	waterbody.					
	Funding					
Funding Source	Р	Prior FY2019 Future Total				
New Port Richey		\$0	\$354,400	\$0	\$354,400	
District		\$0	\$354,400	\$0	\$354,400	
Total		\$0	\$708,800	\$0	\$708,800	

Project No. N492	Lower Hills	Lower Hillsborough River Dam Control Gate Facilities				
City of Tampa						FY2019
Risk Level:	Type 2		Mu	Iti-Year	Contract:	
			Yes	s, Year 2	of 2	
			Descriptio	n		
Description:	Design, pe	ermitting, and o	construction of peri	manent c	control gate facilities at the	e City of Tampa's
	dam to pro	ovide water to	the Lower Hillsbord	ough Riv	er to meet the MFL Recov	ery Strategy. The
	project wil	I assist in main	taining sufficient lo	ower rive	r flows as required for con	npliance with the
	Lower Hill	sborough Rive	r Recovery Strateg	gy (40D-8	30.073 FAC). The project	request is a cost
	increase a	bove the amou	unt approved by th	e Goverr	ning Board in July 2017.	
Measurable Benefit:	The contra	actual Measura	able Benefit is the o	construct	tion of a control gate on th	e Hillsborough
	River dam	1.				
Costs:	Total proje	ect cost: \$2,29	9,683 (design, perr	mitting ar	nd construction) (\$661,99	1 cost increase
	from what	the Governing	Board approved a	at the Jul	y 2017 Board meeting)	
	District: C	1 020 800 with	04 x ¢707 722 budgat	od in prio	or years and \$222 167 (Di	atriat abara of agat
	District. a	requested in F	√2010		i years and \$255,107 (Di	
	increase)	requested in r	Evaluation	n		
Application Quality:	High	Application in	cluded all the requ	uired info	rmation identified in the C	El Guidelines
Project Banafit:	High	The project w	ill enable delivery		24 cfs of water from the re	servoir to the Lower
Project benent.	riigii	Hillsborough	River to assist in m	neetina th	ne MFI	
Cost Effectiveness:	High	Costs appear	reasonable and o	onsistent	t with costs associated wit	h similar projects
	riigii	and are base	d on bids.	onoiotoin		
Past Performance:	High	Based on an	assessment of the	schedul	e and budget for 9 ongoin	g projects.
Complementary Efforts:	Medium	Applicant has	an exotic remova	l/treatme	nt program, maintains nat	ure parks or open
		space within	its parks system, a	ctively o	perates facilities to meet N	MFL's, and has
		other comple	mentary efforts that	t preserv	ve or restore natural syste	ms.
Project Readiness:	High	Project is ong	joing and is on sch	nedule. D	esign, permitting and bido	ling work is
		complete. Cit	y has awarded cor	ntract for	construction and has issu	ed a notice to
		proceed with	construction.			
		1	Strategic Go	als		
Strategic Goals:	High	Strategic Ini	tiative - Minimum	Flows a	nd Levels Establishment	and Recovery:
		To prevent si	gnificant harm and	i reestab	lish the natural ecosystem	, determine MFL'S
		and, where r	lecessary, develop	and imp	Minimum Flow and Laws	
		Strategies	Region Priority.	npiemen	I MINIMUM FIOW and Leve	I (MFL) Recovery
		Overal	Ranking and Re	commen	dation	
Low Priority, not	The proje	ct is ranked lov	v due to a 40% inc	rease in	total project cost. The City	is requesting the
recommended for funding.	District co	ntribute \$233,	167, a 29.2% incre	ase, in a	dditional funds. The proje	ct is a major
J	component for compliance with the Lower Hillsborough River Recovery Strategy (40D-80.073					
	FAC).					
			Funding			
Funding Source	Р	rior	FY2019	-	Future	Total
District		\$797,732	\$	233,167	\$0	\$1,030,899
City of Tampa		\$839,960	\$	428,824	\$0	\$1,268,784
Total		\$1,637,692	\$	661,991	\$0	\$2,299,683

Project No. Q021	Reclaimed Water - Pasco Co. Cypress Preserve Phase 2 Grand Live Oak Reclaimed						
Pasco County	Water Tran	Transmission FY20					
Risk Level:	Type 2		Multi-Year	Contract: No			
	-		Description				
Description:	Constructi	on of approxin	nately 4,500 feet of reclaim	ed water transmission ma	in and other		
	homes ar	appurtenance	es to supply approximately	557 single family nomes,	284 Multi-Tamily		
	Hawks La	nding Drive to	Grand Live Oak Blvd).				
Measurable Benefit:	There is n	o new Measur	able Benefit provided by th	e proposed FY2019 proje	ct.		
Costs:	Total proje	ect cost: \$413,	000 (Construction)				
	Pasco sha	are: \$206,500					
	District sh	are; \$206,500	Evaluation				
Application Quality:	Hiah	Application in	cluded all the required info	rmation identified in the C	FI Guidelines.		
Project Benefit:	Low	A project prev	viously funded by the Distri	ct (N837) is currently prov	viding the same		
,		reclaimed wa	ter benefit to this communi	ty. No new project benefit	is provided by the		
		proposed FY	2019 project.				
Cost Effectiveness:	Low	The cost of th	nis project does not provide	any additional benefit to	this community, as		
Past Porformanco	Medium	the benefit wa	as attributed under a previo	ous project (N837). le and budget for the 12 o	naoina projects		
Complementary Efforts:	High	Pasco Count	v's reclaimed water system	includes metering and in	centive based reuse		
Complementary Enorts.	i ngii	rate structure	s for high volume water us	ers and has pro-active red	claimed water		
		expansion po	olicies which maximize utiliz	ation, water resource ber	nefits, and		
		environmenta	al benefits.				
Project Readiness:	High	Project is rea	dy to begin on or before De	ecember 1, 2018.			
Stratogic Goales	Low	Stratagia Ini	Strategic Goals				
otrategic obais.		Decies Drie					
	Region Priority: None						
Low Priority not	Uverall Ranking and Recommendation						
recommended for funding.	developm	ent.					
Funding							
Funding Source	P	rior	FY2019	Future	Total		
District		\$0	\$206,500	\$0	\$206,500		
Pasco County		\$0	\$206,500	\$0	\$206,500		
Total		\$0 \$413,000 \$0 \$413,00					

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).