SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

# Heartland Region

## FY2020 Cooperative Funding Initiative

## Final Project Evaluations and Rankings





An Equal Opportunity

Employer



2379 Broad Street, Brooksville, Florida 34604-6899 (352) 796-7211 or 1-800-423-1476 (FL only)

WaterMatters.org

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 ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1(800)955-8771 (TDD) or 1(800)955-8770 (Voice).

### **HEARTLAND REGION**

### FISCAL YEAR 2020 COOPERATIVE FUNDING INITIATIVE PUBLIC MEETING

APRIL 4, 2019 • 10:00 A.M.

#### **CITY OF BARTOW COMMISSION CHAMBERS**

450 NORTH WILSON AVENUE • BARTOW, FLORIDA (863) 534-0100

All meetings are open to the public.

## AGENDA

- 1. Call to Order and Pledge of Allegiance
- 2. Introductions
- 3. Action Item: Approval of February 7, 2019 Meeting Minutes
- 4. CFI Final Staff Rankings and Recommendations
  - a. Project Presentations
- 5. Receive Additional Public Comment
- 6. Action Item: Approve Project Rankings and Recommendations
- 7. Adjournment

If you have any questions concerning this meeting, please call Cindy Rodriguez at 1-800-492-7862 or 863-534-1448, extension 6000

**Bartow Office** 170 Century Boulevard Bartow, FL 33830-7700 863-534-1448 or 1-800-492-7862 **Sarasota Office** 6750 Fruitville Road Sarasota, FL 34240-9711 941-377-3722 or 1-800-320-3503 Tampa Office 7601 US Highway 301 North Tampa, FL 33637-6759 813-985-7481 or 1-800-836-0797

#### Southwest Florida Water Management District Heartland Region FY2020 Proposed Cooperative Funding Initiative Projects April 4, 2019

Page	Project	Cooperator	Project Name	Rank	District Prior Funding	FY2020 Proposed District Funding	District Future Funding
Proie	cts Rank	ed 1A Priority					
1	N856	Highlands Co	WMP - Jack Creek Watershed Management Plan	1A	306,000	144,000	0
2	N898	Haines City	Reclaimed - Haines City Reclaimed Water Tank and Pump Station	1A	1,350,000	1,635,000	1,635,000
3	N899	Polk Co Util	Study - Polk Co. Reclaimed Water Recharge Study in Dover/Plant City WUCA & Northwest Polk Area	1A	500,000	94,500	0
4	N962	Davenport	WMP - Davenport Watershed Management Plan	1A	37,500	37,500	0
5	N973	Winter Haven	Conservation - Winter Haven Consumption and Conservation Programs Data Management Software	1A	30,000	30,000	0
6	Q023	Polk Regional Water Coop	Study - Polk Regional Water Cooperative Water Demand Management Plan	1A	85,000	85,000	0
7	W772	Winter Haven	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs	1A	60,000	60,000	0
Proje	cts Rank	ed High Priority					
8	N888	Haines City	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility	Н	225,000	43,282	0
9	Q066	Polk Co Util	Reclaimed - Polk Co. NERUSA Lake Wilson Road Reuse	н	0	262,750	0
10	Q067	Polk Co Util	Reclaimed - Polk Co. NERUSA Southeast Reuse Loop	Н	0	1,093,375	1,093,375
11	Q091	Highlands Co	WMP - Carter Creek WMP Alternative Analysis	Н	0	112,500	0
12	Q095	Polk Co	Study - Crescent Lake Feasibility	Н	0	37,500	0
13	Q099	Highlands Co	WMP - Sebring WMP Update	Н	0	131,250	131,250
Proje	cts Rank	ed Medium Prior	<u>ity</u>				
14	N940	Lakeland	SW IMP - Water Quality - Lake Hunter BMP	М	466,990	60,000	0
15	Q056	Polk Co	SW IMP - Water Quality - Bridgers Avenue Drainage & Water Quality	Μ	0	550,000	0
16	Q118	Polk Co	SW IMP - Water Quality - Lake Parker	М	0	330,000	0
			Recommended	l for Fu	nding Total:	\$4,706,657	\$2,859,625
Proje	cts Rank	ed Low and/or N	ot Recommended				
17	Q059	Polk Co Util	Reclaimed - Polk Co. NWRUSA US 98 Reuse	L	0	272,655	0
18	Q072	Haines City	Conservation - Haines City Distribution Line Looping	L	0	1,080,000	0
			Not Recommended	l for Fu	nding Total:	\$1,352,655	\$0
			Hear	tland R	egion Total:	\$6,059,312	\$2,859,625

Project No. N856	WMP - Jack Creek Watershed Management Plan							
Highlands County						FY2020		
Risk Level:	Type 4			Multi-Year C	Contract:			
				Yes, Year 3	of 3			
	Description							
Description:	Complete	Complete a Watershed Management Plan (WMP) for the Jack Creek Josephine Creek						
	watershed	in Highlands (	County, throug	h and includir	ng floodplain analysis, Le	evel of Service		
	determinat	tion (LOS), and	d Best Manage	ement Practic	es (BMPs) alternative an	alysis. FY2020		
	funding wi	I be used to co	omplete the all	ternative analy	ysis. This will identify the	flooding concerns		
Measurable Benefit:	The Meas	The Lake I ill allo Jack Cleek aleas.						
	managem	ent programs t	o maintain sto	rage and con	vevance and to minimize	flood damage.		
Costs:	Total proje	ect cost: \$600,0	000	lage and con				
	Highlands	County (25%	REDI): \$150,0	00				
	District: \$4	\$50,000 with	306,000 budge	eted in previou	us years, \$144,000 reque	ested in FY2020.		
		1	Evalua	ation				
Application Quality:	High	Application in	cluded all of th	ne required int	formation identified in the	e CFI guidelines.		
Project Benefit:	High	The WMP wil	l analyze flood	ling problems	that exist in the watersh	ed. Currently, flood		
		analysis models are not available or are over 10 years old, and the watershed includes						
Cost Effortivonoss:	Lliab	Project cost r	egional of intermediate stormwater systems. Project cost per square mile is below the mid-range of historic costs (\$20,000 / sq mi)					
COSt Enectiveness.	riigii	for WMPs completed in rural watersheds. Cost effectiveness for multi-vear projects is						
		based upon the metrics in place when project was originally approved.						
Past Performance:	Medium	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 ong	oing and on s	chedule.				
			Strategio	c Goals				
Strategic Goals:	High	Strategic Ini	tiative - Flood	plain Manage	ement: Collect and analy	ze data to		
		determine lo	cal and region	al floodplain ir	nformation, flood protecti	on status and trends		
		to support flo	odplain mana	gement decisi	ion and initiatives.			
		Strategic Ini	tiative - Emer	gency Flood	Response: Operate Dist			
		and local dov	vernments and	the public to	minimize flood damage	during and after		
		major storm	events.					
		Heartland R	egion Priority	: Improve Wir	ter Haven Chain of Lake	s and Ridge Lakes		
		Overal	I Ranking and	Recommend	dation			
Fund as 1A Priority.	This ongo	ing project ide	ntifies flood ris	k in an area w	vith no detailed study info	ormation available.		
	The result	ing product wil	I be utilized fo	r flood zone d	etermination, help impler	ment solutions that		
	alleviate fl	ood risk and in	nprove water o	quality, and er	hance the planning of fu	ture development in		
	the project	t area. Highlan	ds County qua	alifies for a 75	% cost share as a REDI	community as		
	for matchi	na funde for P	e. Under Distr EDI communit	ict Policy 130	-4, the Board can reduce	ine requirements		
			Func	lina				
Funding Source	Р	rior	FY20	20	Future	Total		
Highlands County (REDI)		\$102,000		\$48,000	\$0	\$150.000		
District		\$306,000		\$144,000	\$0	\$450,000		
Total		\$408,000		\$192,000	\$0	\$600,000		

Project No. N898	o. N898 Reclaimed - Haines City Reclaimed Water Tank and Pump Station							
Haines City							FY2020	
Risk Level	Type 2			Multi-Year	Contract:			
	Yes, Year 3 of 3							
			Descri	ption				
Description	Final desig	gn, permitting a	and construction	on of a transf	er pump station, a storage	e tank, a high		
	service pu	imp station, a t	ooster station	, associated	yard piping, electrical mo	difications,		
	for 20% d	tation, controis	, and other ne	The District	unenances. Funding was	approved in FY 18		
	concentua	al construction	-party review. estimate is are	ater than \$5	million dollars The FY20	funding request is		
	for final de	sign and const	truction.			randing request is		
Measurable Benefit:	The contra	The contractual Measurable Benefit is the design permitting and construction of equipment that						
	will enable	e the city to sto	re and supply	reclaimed wa	ater to existing and future	customers in the		
	"Ridge La	kes" area of th	e Central Flori	da Water Ini	tiative (CFWI). Construction	on will be done in		
	accordance	e with the perr	nitted plans.					
Costs	Total proje	ect cost: \$6,800	0,000 (Design	, Third-Party	Review, Permitting and C	onstruction)		
	Haines Ci	ty (25% REDI):	\$2,180,000					
	District: \$4	4,620,000 with	\$1,350,000 bi	udgeted in pr	evious years, and \$1,635	,000 requested in		
	FY 2020,	and the remain	ing to be requ	lested in futu	re years			
			Evalu	ation				
Application Quality:	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						
Project Benefit	Medium	Information.						
i ioject benent	Wealdin	enable future	reclaimed wa	ter system ex	xpansions.	water availability to	,	
Cost Effectiveness	Medium	The project co	osts are 1% ov	ver the typica	al range of costs for infrast	tructure in similar		
	District funded reclaimed water storage and pumping projects.							
Past Performance	High	Based upon a	n assessmen	t of the sche	dule and budget for the 4	ongoing projects.		
Complementary Efforts	High	Haines City's	reclaimed wa	ter system in	cludes metering and ince	ntive based reuse		
		rate structure	s for high volu	me water us	ers and has pro-active rec	laimed water		
		expansion po	licies which m	aximize utiliz	zation, water resource ber	efits, and		
Droject Deedinges	Lliab	environmenta	l benefits.	abadula				
Project Readiness	High	Project is ong	Stratogic					
Stratagia Coolo	Lligh	Strategie Ini	Strategi		Mavimiza hanafiaial uga	of realisimed		
Strategic Goals	пign	Strategic Ini		nimed water.				
		Heartland R	aion Priority	· Improve Wi	inter Haven Chain of Lake	s and Ridge Lakes		
		Ovoral	Panking and		adation			
Fund as 1A Priority	The 30%	design and thir	d-narty review		eted in December 2018	Approval to proceed		
	beyond 30	)% design was	given at the J	anuary 2019	Governing Board meetin	a. Based on the		
	third-party	review, the Ci	ty has update	d the total pr	oject cost to \$6,800,000 (	\$640,000 increase -		
	10%) and	will pay for the	cost increase	. The cost ef	ffectiveness and overall ra	inking of the project		
	remains ir	the medium r	ange. When c	onstructed, t	his project will improve the	e 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 car	n reduce the re	quirements for	r matching fu	Inds for REDI communitie	S.		
Eugling Course	-	rior	Func	20	Future	Tetel		
Haines City (REDI)	- P	\$450.000	F120	\$865.000		total ¢2	2 180 000	
		\$1 350,000		\$1 635 000	\$1 635 000	φ <i>1</i>	., 100,000	
Total		\$1,800.000		\$2,500,000	\$2.500.000	۹۹ \$6	3,800.000	

Project No. N899	Study - Polk Co. Reclaimed Water Recharge Study in Dover/Plant City WUCA &							
Polk County Utilities	Northwest F	olk Area				F	-Y2020	
Risk Level:	Type 2			Multi-Year C	Contract:			
		Yes, Year 3 of 3						
	Description							
Description:	Feasibility s	easibility study to determine whether indirect aquiter recharge with reclaimed water or						
	Regional L	induluonal reuse solutions are viable options to supplement For County's Northwest						
	investigatio	igation of using reclaimed water to recharge the Upper Floridan Aquifer which will augment						
	groundwate	vater supplies and potentially enhance water supplies from an existing wellfield. The						
	project will	include pilot t	esting and/or a	aquifer rechar	ge testing to investigate	enhanced recharge,		
	recharge ar	nd monitoring	wells, litholog	ic coring, aqu	ifer performance testing,	groundwater		
Measurable Benefit:	The contrac	rtual Measura	able Renefit wi	ll include the	completion of a field scal	e feasibility study		
	by Polk Co	unty to develo	op a reclaimed	water project	t concept to utilize up to	1.5 mgd of		
	reclaimed v	vater for aqui	' fer recharge or	r to suppleme	nt groundwater supplies	in the CFWI region,		
	and the cor	nceptual desig	gn and permitti	ing of the sele	ected project.			
Costs:	Total project	ct cost: \$1,18	9,000 (Feasibi	lity study, field	d-scale investigation/pilot	t testing);		
	District \$59	y. \$594,500, 94 500 with \$	500 000 buda	eted in previo	ous vears and \$94,500 is	requested in		
	FY2020.							
			Evalua	ation				
Application Quality:	High	Application in	cluded the req	uired informa	tion identified in the CFI	guidelines.		
Project Benefit:	High	The project benefit is the completion of a field scale feasibility study to develop a						
		reclaimed water project concept to utilize up to 1.5 mgd of reclaimed water for aquifer						
Cost Effectiveness:	High	recnarge or to The costs are	o supplement (	groundwater s	supplies in the CFWI region of costs for similarly funder	ION. ed District reclaimed		
OUST Ellectiveness.	riigii	recharge and	indirect potab	le reuse pilot	studies.			
Past Performance:	High	Based upon a	an assessmen	t of the sched	ule and budget for the 15	5 ongoing projects.		
Complementary Efforts:	High	Polk County's	s reclaimed wa	iter system in	cludes metering and ince	entive based reuse		
		rate structure	s for high volu	me water use	ers and has pro-active rec	claimed water		
		expansion po	licies which m	aximize utiliza	ation, water resource ber	netits, and		
Project Readiness:	High	Project is ond	joing and on s	chedule.				
,	J	, (	Strategio	c Goals				
Strategic Goals:	Medium	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed		
		water to redu	ice demand or	n traditional w	ater supplies.			
Fund as 44 Det 11	<b>T</b> I: :	Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	I his ongoir	ng project is r	ecommended	tor tunding, as	s it provides a field scale	teasibility study by		
	groundwate	er supplies in	the CFWI regi	on.	moeption aquiler recriate			
	g. cananak		Fund	ling				
Funding Source	Pri	or	FY20	20	Future	Total		
Polk County		\$500,000		\$94,500	\$0	\$5	94,500	
District		\$500,000		\$94,500	\$0	\$5	94,500	
Total		\$1,000,000		\$189,000	\$0	\$1,1	89,000	

Project No. N962	WMP - Davenport Watershed Management Plan						
Davenport				FY2020			
Risk Level	Type 4	Multi-Year	Contract:				
	Yes, Year 2 of 2						
	Description						
Description	Complete a Watershe Davenport. Previous data collection and in tasks including a Surf Best Management Pr project and will be res	Complete a Watershed Management Plan (WMP) for the Davenport Watershed in the City of Davenport. Previous funding is being used to complete Watershed Evaluation tasks through the data collection and initial GIS processing tasks. FY2020 funding will be used 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 consultants to perform project tasks.					
Measurable Benefit:	The Measurable Ben	efit will be the completion of a	watershed model and floo	dplain analysis;			
0	Information that is crit	ical to better identify risk of flo	ood damage and cost effect	tive alternatives.			
COSIS	City of Davenport: \$7	50,000					
	District: \$75.000 with	\$37,500 budgeted in previou	s vears and \$37.500 reque	sted in FY2020.			
		Evaluation	- ) + ,				
Application Quality	High Applicatio	n included all the required info	ormation in the CFI Guideling	nes.			
Project Benefit	: High The WMP analysis n regional o	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 of intermediate stormwater systems.					
Cost Effectiveness	High Project co WMPs co based upo	Project cost per square mile is in the low range for costs (\$30,000/sq mi or less) for WMPs completed in Urban watersheds. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.					
Past Performance	High Based on	Based on the cooperator having one ongoing project with the District.					
Complementary Efforts	: Low Cooperate	or is not participating in the Co	ommunity Rating System p	rogram.			
Project Readiness	High The project	ct is ongoing and on schedule					
		Strategic Goals					
Strategic Goals	High Strategic analyze of support re Strategic determine to suppor	<ul> <li>Strategic Initiative - Water Quality Assessment and Planning: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.</li> <li>Strategic Initiative - Floodplain Management: Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.</li> </ul>					
Fund on 14 Drivette	Ove	erall Ranking and Recomme	ndation				
Fund as TA Phonly.	This ongoing project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood zone determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.						
Funding Source	Prior	FUnding	Futuro	Total			
Davenport	¢37 #	1 1 2 0 2 0 500 \$37 500		\$75.000			
District	φ37,5 \$27 F	00 \$37,500 \$00 \$37,500	φυ (1) (1)	\$75,000 \$75,000			
Total	\$75.0	000 \$75.000	\$0	\$150.000			

Project No. N973	Conservation - Winter Haven Consumption and Conservation Programs Data							
Winter Haven	Manageme	ent Software					FY2020	
Risk Level:	Type 1			Multi-Year C	Contract:			
				Yes, Year 2	of 2			
	Description							
Description:	Implement	tation of a soft	ware program th	hat will prom	ote and encourage water	r conservation by		
	utility custo	omers. This pro	oject will allow s	software plat	form setup, including a u	itility side		
		1, and initially w	and initially will be available for 19,000 customers. The program is expected to					
	several ve	as auvanced metering initiastructure (Aivir) is installed infoughout the City over the Next lears. The software will: provide a customer portal log-in and graph customers water use						
	over time;	promote utility	conservation in	ncentives an	d rebates based on prop	erty appraiser data	5	
	and water	use data; com	pare water use	to neighbors	s (social norming); detect	t customers side		
	leaks and	inform custom	ers of the issue	on a daily b	asis; and educate custon	ners about		
	watering re	estrictions base	ed on actual da	ily water usa	ige.			
Measurable Benefit:	The contra	actual Measura	able Benefit will	be impleme	ntation of the program ar	nd the completion o	f	
Coste	a final repo	ial report.						
00313.	City of Wi	v of Winter Haven: \$60.000						
	District: \$6	District: \$60,000 with \$30,000 budgeted in previous years and \$30,000 requested FY2020.						
	Evaluation							
Application Quality:	High	Application included all the required information identified in the CFI Guidelines.						
Project Benefit:	High	The benefit o	f the project is t	the conserva	tion of approximately 16,	000 gallons per day	y	
		in the Southe	rn Water Use C	Caution Area	(SWUCA) and the Centr	al Florida Water		
		Initiative (CFV	<u>//I).</u>	<u> </u>		1		
Cost Effectiveness:	Medium	Project cost e	affectiveness is	between \$3.	00 and \$6.00 per thousa	nd gallons saved.		
Past Performance:	Medium	Based upon a	an assessment	of the scheu	ule and budget for the 2	ongoing projects		
Complementary Enorts:	Medium				125 gpca.			
Project Readiness:	Medium	Project is ong	joing.	Caala				
Stratogic Goales	Uich	Stratagio Ini	Strategic	Goals	erro officionaioa in all w			
Strategic Goais.	High	ensure hene	ficial use			aler-use sectors to		
		Heartland R	egion Priority:	Implement S	Southern Water Use Caut	tion Area (SWUCA)	i	
		Recovery St	rategy.	Inpionion e				
		Overal	I Ranking and	Recomment	dation			
Fund as 1A Priority.	This ongo	ing project will	conserve potal	ole water sup	oply in the SWUCA and C	CFWI and is cost		
	effective.							
			Fundi	ng	_			
Funding Source	P	rior	FY202		Future	Total	<u> </u>	
City of winter Haven	<b> </b>	\$30,000	<u> </u>	\$30,000	<u>۵</u>		\$60,000	
District	───	\$30,000		\$30,000	ას ეგ		\$60,000	
Iotai		$\psi 00,000$		φ00,000j	ΨŪ		φι20,000	

Project No. Q023	Study - Polk Regional Water Cooperative Water Demand Management Plan						
PRWC					FY20		
Risk Level:	Type 1		Multi-Year C	Contract:			
		Yes, Year 2 of 2					
	Description						
Description:	Developm	ent of a Dema	nd Management Plan (DMP	) for PRWC and PRWC ι	utilities. The DMP		
	will assess	s available wat	er conservation potential an	d articulate a long-term (	water conservation)		
	demand s	ide manageme	ent implementation strategy	for PRWC. In addition, it	will provide an		
	economic	analysis of the	e potential beneficial delay in	expensive Alternative W	ater Supply (AWS)		
Measurable Benefit:	The contra	actual Measura	ble Benefit will be the comr	letion of the Demand Ma	nagement Plan		
Costs:	Total Proi	ect cost: \$340					
00513.	PRWC: \$	170.000	000				
	District: \$	170,000 with \$8	85,000 budgeted in previous	s years and \$85,000 requ	ested in FY2020		
			Evaluation				
Application Quality:	High	Application in	cluded all the required infor	mation identified in the C	FI Guidelines.		
Project Benefit:	High	The benefit o	f the project is the potential	increase in conservation	in the Southern		
		Water Use Ca	aution Area (SWUCA). More	e accurate conservation p	otential estimates		
		and conserva	ition implementation plannin	ig provides greater reliabi	lity of future		
		conservation activities and are important in determining the scale and timing of future					
Cost Effectiveness:	Medium	ledium Project costs appear to be consistent with similar regional planning efforts					
Past Performance:	High	Based on the	assessment of the schedul	e and budget for the 6 on	going projects.		
Complementary Efforts:	High	The PRWC e	ncourages and supports wa	ter conservation amongs	t its member		
	-	governments	•				
Project Readiness:	High	Project is ong	joing and on schedule.				
			Strategic Goals				
Strategic Goals:	High	Strategic Ini	tiative - Regional Water Su	pply Planning: Identify,	communicate		
		and promote	consensus on the strategie	s and resources necessa	ry to meet future		
		Strategic Ini	tiative - Conservation: End	ance efficiencies in all w	ater-use sectors to		
		ensure bene	ficial use.				
		Heartland R	egion Priority: Implement S	Southern Water Use Caut	ion Area (SWUCA)		
		Recovery St	rategy.		. ,		
		Overal	I Ranking and Recommend	dation			
Fund as 1A Priority.	This ongo	ing project will	create a DMP which will qu	antify conservation poten	tial in Polk County		
	and provid	be a strategy fo	or identifying and implement	ing conservation projects			
Eunding Source	D	rior	EV2020	Euturo	Total		
PRWC		\$85.000	\$85,000		\$170 0		
District		\$85.000	\$85,000	ው ቁር	\$170,00 \$170 0		
Total		\$170,000	\$170.000	\$0	\$340,0		

Project No. W772	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs							
Winter Hoven		valer Quality -	winter naven	i Kiuge illipi		water Divir 5	-	
							FY2020	
Risk Level:	Туре 3			Multi-Year	Contract:			
	Yes, Year 2 of 2							
			Descri	ption				
Description:	Design, pe	ermitting, and c	construction of	stormwater L	ID BMPs within the u	rban public right-of-w	/ay	
	and park a	ark areas in the City of Winter Haven to reduce nutrient loads into the Winter Haven Chain						
	of Lakes, a	, a SWIM priority waterbody.						
Measurable Benefit:	The contra	ctual Measurable Benefit will be the design, permitting, and construction of						
	stormwate	er LID BMPs to	treat stormwa	ter runoff froi	m an approximately 4.	.5 acre urbanized		
	watershed	1. Construction	will be done in	accordance	with the permitted pla	ans. There will be no		
	monitoring	g or performan	ce testing requ	irements.				
Costs:	Total Proje	ect Cost: \$240	,000 (Design, p	permitting, co	nstruction)			
		nter Haven: \$1	20,000 20,000 budget	ad in proviou	a veers and \$60,000 v	requested in EV2020		
	District: \$	120,000 with \$		ed in previou	s years and \$60,000 r	requested in FY2020		
Application Quality	High	Application in	eluded all of th		formation identified in	the CEL quidelines		
Application Quality.	l ligh	Application included all of the required information identified in the CFI guidelines.					41	
Project Benefit:	High	The Resource	The Resource Benefit is the reduction of pollutant loads and suspended solids into the					
		akes of winte	er Haven Chair	n or lakes, a	Swiw priority waterbo	buy, by an estimated		
Cost Effectivoness:	High	2,000 IDS/YI 100.						
Cost Encenvencess.	riigii	for multi-vear	projects is has	sed upon the	metrics in place wher	the project was	1000	
		originally app	roved					
Past Performance:	Medium	Based upon a	an assessment	of the sched	ule and budget for the	e 2 ongoing projects.		
Complementary Efforts:	High	The City has	an active stron	nwater utility	that collects fees.			
Project Readiness:	High	The project is	ongoing and o	on schedule.				
		,	Strategic	Goals				
Strategic Goals:	High	Strategic Ini	tiative - Water	Quality Mai	ntenance and Improv	vement: Develop		
-	Ū.	and impleme	nt programs, p	projects and r	egulations to maintair	n and improve water		
		quality.		-	•			
		Heartland R	egion Priority:	Improve Wir	nter Haven Chain of L	akes and Ridge Lake	es	
		Overal	I Ranking and	Recommen	dation			
Fund as 1A Priority.	This ongo	ing project will	improve water	quality disch	arging to the Winter I	Haven Chain of Lake	S.	
	a SWIM priority waterbody.							
			Fund	ing				
Funding Source	Р	rior	FY202	20	Future	Total		
District		\$60,000		\$60,000		\$0	\$120,000	
City of Winter Haven		\$60,000		\$60,000		\$0	\$120,000	
Total		\$120,000 \$120,000 \$0 \$240,00						

Project No. N888	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility								
Haines City				FY2020					
Risk Level:	Туре 2	Multi-Year	Contract:						
		Yes, Year 3	3 of 3						
	Description								
Description:	Evaluate reclaimed wa	ter recharge sites, compone	nts and advanced treatme	ent, and effects of					
	groundwater withdraw	als, and install and monitor fi	ve wells for modelling cali	bration purposes to					
	the Control Eleride Wa	e Central Florida Water Initiative (CEWI) and Southern Water Use Caution Area (SWIICA)							
Measurable Benefit:	The contractual Measure	rahle Benefit will be a feasib	ility study to evaluate ben	Alea (SWOCA).					
	water recharge options and removing/reducing groundwater withdrawal for several public supply								
	wells near Lake Eva.								
Costs:	Total Project Cost: \$357,710 (Study, well installation)								
	Haines City: \$89,428 (	25% REDI)							
	District: \$268,282 with	\$225,000 budgeted in previo	ous years, \$43,283 reques	sted in FY2020.					
	Project cost increased	from prior-approved budget	of \$300,000 (\$225,000 Di	strict) to \$357,710					
	(\$268,282 District) due	e to a scope change.							
Application Quality	Madium Application	included most of the require	d information identified in	the CEL quidelines					
Application Quality:	District PM	/CM had to work with cooper	a mormation identified In ator to obtain remaining re	equired information					
Proiect Benefit:	High Study will p	provide data to evaluate effect	ts of several nearby public	c supply wells on lake					
	water level	s, as well as potential sites, c	omponents, costs, and be	enefits of 2.5 MGD of					
	reclaimed v	water recharge options to hel	p achieve MLLs on Lake B	Eva in the Ridge					
	Lakes area	Lakes area of the CFWI.							
Cost Effectiveness:	High The project costs are consistent with the range of costs for similarly funded District								
Deet Derfermenee	projects.	projects.							
Complementary Efforts:	High Haines City's reclaimed water system includes matering and incentive based rayses								
complementary Enorts.	rate structures for high volume water users and has proactive reclaimed water								
	expansion	expansion policies that maximize use and water resource/environmental benefits							
Project Readiness:	High Project is o	ngoing and on schedule.							
		Strategic Goals							
Strategic Goals:	High Strategic I	nitiative - Reclaimed Water	Maximize beneficial use	of reclaimed					
	water to re	duce demand on traditional v	vater supplies.						
	Strategic I	nitiative - Minimum Flows a	nd Levels Establishmen	t and Recovery:					
	Establish a	and monitor MFLs, and, wher	e necessary, develop and	I implement recovery					
	plans to pr	Pegion Priority: Implement	Southorn Water Line Cout	tion Aron (SM/LICA)					
	Recovery	Strategy		lion Alea (SWOCA)					
	Heartland	Region Priority: Improve W	nter Haven Chain of Lake	es and Ridge Lakes					
	Over	rall Ranking and Recommer	dation						
Fund as High Priority.	This ongoing project is	s recommended for funding a	s it will develop a feasibili	ty study of					
	reclaimed water recha	rge options and help determi	ne the effect of groundwa	ter withdrawals at					
	Lake Eva. These eval	uations will identify options to	help achieve MLLs on La	ake Eva in the Ridge					
	corresponding total co	st increase of 19% (\$57 710)	Scope expansion adds	construction of five					
	monitor wells, addition	al modeling scenarios to rem	ove/reduce groundwater	withdrawals for					
	several public supply v	wells near the lake and evalu	ates the resource benefit	of 2.5 MGD of					
	reclaimed water recha	rge options instead of 0.7 M	GD. Currently, Haines City	qualifies for a 75%					
	cost share as a REDI	community as defined by Flo	rida Statute. Under Distric	t Policy 130-4, the					
	Board can reduce the requirements for matching funds for REDI communities.								
Funding Source	Prior	Funding	Futuro	Total					
District	\$225.00	1 1 2 0 2 0 5 4 3 2 8 2	sn	\$268,282					
Haines City (REDI)	\$75.00	)0 \$14,428	\$0 \$0	\$89.428					
Total	\$300,00	\$300,000 \$57,710 \$0 \$357,710							

Project No. Q066	Reclaimed - Polk Co. NERUSA Lake Wilson Road Reuse Project							
Polk County Utilities					FY2020			
Risk Level:	Type 2		Multi-Year	Contract: No				
	Description							
Description	Design, pe mains and and appro Crystal Rid	esign, permitting and construction of approximately 5,000 feet of reclaimed water transmission ains and other necessary appurtenances to supply approximately 1,025 multi-family homes nd approximately 1 acre of common areas in the Victoria Park, Echelon-Ovation, Lake Bluff and rystal Ridge subdivisions in the North East Utility Service Area.						
Measurable Benefit:	The Meas of 0.18 mg area (CFV	ne Measurable Benefit, which will be the contractual requirement, is the supply and utilization i 0.18 mgd of reclaimed water for residential irrigation use in the Central Florida Water Initiative rea (CFWI).						
Costs:	Total proje Polk Cour District: \$2	otal project cost: \$525,500 (Design, Permitting, Construction) Polk County: \$262,750 District: \$262,750						
			Evaluation					
Application Quality:	Medium	dium 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 is the supply of 0.18 mgd of reclaimed water to residential irrigation customers for an anticipated 0.17 mgd of water savings within the CFWI.						
Cost Effectiveness:	High	\$3.08 per gallon per day capital cost which is below the \$10 to \$15 per gallon average for alternative supplies. The estimated cost effectiveness is \$0.74 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course projects up to \$10.00(4.000 gallons for section are section at a section of \$10.00(4.000 gallons for section at a section a						
Past Performance:	High	Based on an	assessment of the schedu	le and budget for 15 ongo	ing projects.			
Complementary Efforts:	High	Polk County's rate structure expansion po environmenta	s reclaimed water system i s for high volume water us ilicies which maximize utili al benefits.	ncludes metering and ince ers and has pro-active rec zation, water resource ber	entive based reuse claimed water nefits, and			
Project Readiness:	High	Project is rea	dy to begin on or before D	ecember 1, 2019.				
			Strategic Goals					
Strategic Goals:	High	Strategic Ini water to redu Heartland R	tiative - Reclaimed Water uce demand on traditional egion Priority: Improve W	: Maximize beneficial use water supplies. inter Haven Chain of Lake	of reclaimed es and Ridge Lakes			
		Overal	I Ranking and Recomme	ndation				
Fund as High Priority.	The project CFWI and	ct is recommer l is cost effectiv	nded for funding as it redu ve.	ces reliance on traditional	water sources in the			
			Funding					
Funding Source	Р	rior	FY2020	Future	Total			
District	ļ	\$0	\$262,750	\$0	\$262,750			
Polk County	ļ	\$0	\$262,750	\$0	\$262,750			
Total		\$0	\$525,500	<u>۵</u>	\$525,500			

Project No. Q067	Reclaimed - Polk Co. NERUSA Southeast Reuse Loop Project							
Polk County Utilities					FY2020			
Risk Level:	Type 2		Multi-Year	Contract:				
			Yes, Year	1 of 2				
	Description							
Description:	Design, pe	ermitting and c	onstruction of approximate	ly 24,800 feet of reclaimed	d water			
	transmissi	hission mains and other necessary appurtenances to construct a loop to supply						
	approxima	Sximately 1,365 homes in the Southeast reuse portion of the North East Utility Service Area						
Maasurahla Banafit:	The Mean	b enable supply to future planned subdivisions.						
weasurable beliefit.	of 0 522 m	urable benefit,	which will be the contract	ual requirement, is the sup lation use in the Central Fl	orida Water Initiative			
	area (CEV	VI)						
Costs:	Total proje	ect cost: \$4,37	3,500 (Design, Permitting,	Construction);				
	Polk Cour	nty: \$2,186,750	);					
	District: \$2	2,186,750, of w	hich \$1,093,375 is reques/	ted in FY2020 and \$1,093	,375 is anticipated			
	to be requ	ested in future	years					
		1	Evaluation					
Application Quality:	Medium	Application in	cluded most of the require	d information identified in	the CFI guidelines.			
Droject Papafit	High	District PM/CM had to work with cooperator to obtain remaining required information.						
Project benent.	riigii	customers for	r an anticinated 0 522 mgd	of water savings within th	e CEWI			
Cost Effectiveness:	High	\$8.38 per gallon per day capital cost which is below the \$10 to \$15 per gallon average						
		for alternative supplies. The estimated cost effectiveness is \$2.02 per thousand gallons						
		of water reso	urce benefit which is withir	the cost range for reuse	projects which			
		typically rang	e from a low of \$0.15/1,00	0 gallons for golf course p	ojects up to			
		\$10.00/1,000	gallons for residential proj	ects.				
Past Performance:	High	Based on an	assessment of the schedu	le and budget for 15 ongo	ing projects.			
Complementary Efforts:	High	Polk County's	s reclaimed water system i	ncludes metering and ince	ntive based reuse			
		rate structure	s for high volume water us	ers and has pro-active rec	claimed water			
		expansion po	nicies which maximize utili.	zation, water resource ben	ents, and			
Project Readiness:	High	Project is rea	dv to begin on or before D	ecember 1, 2019.				
,	, ngu		Strategic Goals					
Strategic Goals:	Hiah	Strategic Ini	tiative - Reclaimed Water	: Maximize beneficial use	of reclaimed			
		water to redu	ice demand on traditional	water supplies.				
		Heartland R	egion Priority: Improve W	inter Haven Chain of Lake	s and Ridge Lakes			
		Overal	I Ranking and Recomme	ndation				
Fund as High Priority.	The project	ct is recommer	nded for funding as it reduc	ces reliance on traditional	water sources in the			
	CFWI and is cost effective.							
			Funding					
Funding Source	Р	rior	FY2020	Future	Total			
District		\$0	\$1,093,375	\$1,093,375	\$2,186,750			
Polk County		\$0	\$1,093,375	\$1,093,375	\$2,186,750			
Total		\$0 \$2,186,750 \$2,186,750 \$4,373,500						

Project No. Q091	Project No. Q091 WMP - Carter Creek WMP Alternative Analysis						
Highlands County						FY2020	
Risk Level:	Туре 4		Multi	-Year Contract: No			
			Description				
Description:	Complete County. Go being requ	the Watershed overning Board lested to comp	I Management Plan d approved floodplain lete the alternative a	WMP) for the Carter ns were developed in nalysis tasks includin vice analysis (LOS)	Creek Wat June 2014 Ig an increa	ershed in Highlands . FY2020 funds are ased level of detail	
	(BMP) alte project are Bonnet, La	BMP) alternative analysis. This will be used to identify solutions to frequent flooding concerns in project areas both upstream and downstream, including Lake Lelia, Lake Lotela, Little Lake 3 onnet, Lake Letta, Lake Bonnet, and other area subdivisions and agriculture properties.					
Measurable Benefit:	The contra to address watershed	tractual Measurable Benefit will be the level of service establishment, evaluation of BMPs ss level of service deficiencies, and providing a geodatabase with projected results from ed model simulations for floodplain management and water quality management.					
Costs:	Total proje Highlands District: \$1	ct cost: \$150,000 County (25% REDI): \$37,500 12,500					
			Evaluation				
Application Quality:	High	Application in	Application included all the required information identified in the CFI guidelines.				
Project Benefit:	High	Flooding problems exist in developed or developing areas of the watershed. Flood analysis models are available and are approximately 4 years old. The LOS, SWRA, and BMP analysis have not been completed and the watershed includes regional or intermediate stormwater systems.					
Cost Effectiveness:	High	Project cost p less) for WMF developing th addition to LC	er square mile is be P updates completed e Surface Water Res DS and BMP alternat	ow the mid-range of in rural watersheds. source Assessment a ives analyses.	historic cos Project cos nd water q	ts (\$6,000 / sq mi or sts include uality model in	
Past Performance:	Medium	Based on an	assessment of the s	chedule and budget f	or the 1 on	going project.	
Complementary Efforts:	Medium	Cooperator's	Community Rating S	System class is 8 and	is in the 6	to 9 range.	
Project Readiness:	High	Project is rea	dy to begin on or bef	ore December 1, 201	9.		
			Strategic Goal	s			
Strategic Goals:	High	Strategic Ini determine loo to support flo Heartland R	tiative - Floodplain cal and regional floor odplain managemer egion Priority: Impro	Management: Collect dplain information, flo at decision and initiati ove Winter Haven Ch	t and analy: od protectio ves. ain of Lake	ze data to on status and trends s and Ridge Lakes	
		Overal	I Ranking and Reco	mmendation			
Fund as High Priority.	This project will utilize and update existing watershed models to complete flood protection alternative analysis tasks including a stormwater LOS and BMP alternative analysis for the Carter Creek watershed model. Highlands County qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.						
	_		Funding	= .			
Funding Source	Pi	rior	FY2020	Futur	e ¢o	Total	
Highlands County		\$0	\$	2 500	\$0	\$37,500	
Total		\$0 \$0	\$1	2,500	\$0 \$0	\$112,500	

Project No. Q095	Study- Crescent Lake Feasibility							
Polk County					FY2020			
Risk Level:	Туре 3		Multi-Year (	Contract: No				
			Description					
Description:	Complete	a feasibility stu	udy to identify solutions to fl	ooding of roads and resid	ential properties			
	located in	the Ashton Oa	ks/Christina development a	Ind along Crescent Lake I	Dr. The Christina			
	will be in the	1 Manayement	[ Plan (WWP) model will be ad will be responsible for ret	utilized to periorin the and	alysis. Polk County			
Measurable Benefit:	The contra	The contractual Measurable Renefit will be the completion of a feasibility study identifying						
	solutions t	o reduce flood	ling of roads and residential	properties located in the	Ashton			
	Oaks/Chri	stina developn	nent and along Crescent La	ke Dr.	/ lonton			
Costs:	Total proje	ect cost: \$75,0	00	-				
	Polk Coun	ıty: \$37,500						
	District: \$3	37,500						
			Evaluation					
Application Quality:	High	Application in	cluded all the required infor	mation identified in the C	FI Guidelines.			
Project Benefit:	High	The project b	enefit is a feasibility study th	nat will analyze flooding p	roblems in the			
		watershed. C	urrently, flood analysis mod	lels are available and are	from 5 to 10 years			
	Lliab	old, and the v	vatershed includes regional	or intermediate stormwat	ter systems.			
Cost Effectiveness:	Hign	High Project cost is comparable to other prior projects with similar scopes.						
Past Performance:	High	High Based upon an assessment of the schedule and budget for the 15 ongoing projects.						
Complementary Efforts:	Medium	Cooperators	Community Rating System		to 9 range.			
Project Readiness:	High	Hign Project is ready to begin on or before December 1, 2019.						
	Strategic Goals							
Strategic Goals:	High	1 Strategic Initiative - Water Quality Maintenance and Improvement: Develop						
		and implement programs, projects and regulations to maintain and improve water						
		quality.						
		determine local and regional floodplain information, flood protection status and trends						
		to support flo	podplain management decis	ion and initiatives.				
		Overal	I Ranking and Recommen	dation				
Fund as High Priority.	The project	ct will utilize ar	existing watershed model	to complete a feasibility s	tudy to identify			
	solutions t	o flooding of re	oads and residential proper	ties located in the Ashton	Oaks/Christina			
	developme	ent and along	Crescent Lake Dr. This area	a experienced flooding an	d damage to homes			
	in 2017 ar	nd is identified	as a level of service deficie	ncy in the Christina WMP				
			Funding					
Funding Source	P	rior	FY2020	Future	Total			
Polk County	Ļ	\$0	\$37,500	\$0	\$37,500			
District	<u> </u>	\$0	\$37,500	\$0	\$37,500			
Total		\$0	\$75,000	\$0	\$75,000			

Project No. Q099	WMP - Sebring WMP Update								
Highlands County						FY2020			
Risk Level:	Type 4			Multi-Year	Contract:				
				Yes, Year 1	of 2				
			Descri	ption					
Description:	Complete	Complete a Watershed Management Plan (WMP) update for the Sebring watershed in Highlands							
	County inc	luding watersh	ned evaluation	, floodplain a	nalysis, Level of Service of	determination (LOS),			
	and Best N	Aanagement P	ractices (BMP	s) alternative	analysis. This will identify	y solutions to the			
	flooding co	ooding concerns in the Sebring Country Estates, Sebring Hills, Lake Haven, Orange Blossom,							
	Silver Fox	x, and Septing Fails areas. FY2020 funding will be used to complete the watershed							
Macaurahla Banafitu		and begin the	floodplain and	alysis.	to to the Cohring WAD to	develop better			
MedSurable Defiert.	floodplain	information an	d complete th	I be the upua	MP alternative analysis	develop better			
Costs		act cost: \$350			vir allemative analysis.				
00313.	Highlands	County (25%	REDI) <sup>,</sup> \$87.50	0					
	District: \$2	262.500 with \$	131.250 reque	sted in FY20	20 and \$131.250 anticipa	ted to be requested			
	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 WMP will evaluate flooding problems that exist in the watershed. Currently, flood							
		analysis mod	analysis models are available and are over 10 years old. The watershed has						
		experienced	experienced moderate changes since last study, and the watershed includes regional						
		or intermediate stormwater systems. The Sebring watershed is one of the District's top							
0		20 priority watersheds for WMP updates.							
Cost Effectiveness:	High	Project cost p	-roject cost per square mile is below the mile-range of historic costs (\$15,000 / Sq Miles) for WMP undates completed in mixed watersheds						
Past Performance:	Medium	Based on an	Based on an assessment of the schedule and budget for the 1 ongoing project						
Complementary Efforts:	Medium	Cooperator's	Community R	ating System	class is 8 and is in the 6	to 9 range.			
Project Readiness:	High	Project is rea	dv to begin on	or before De	cember 1, 2019.				
	Strategic Goals								
Strategic Goals:	Hiah	Strategic Ini	tiative - Flood	plain Manag	ement: Collect and analy	ze data to			
<b>g</b>	5	determine lo	cal and region	al floodplain i	nformation, flood protection	on status and trends			
		to support floodplain management decision and initiatives.							
		Heartland Region Priority: Improve Winter Haven Chain of Lakes and Ridge Lakes							
		Overal	I Ranking and	Recommen	dation				
Fund as High Priority.	This proje	ct updates floc	d risk in an ar	ea with existi	ng flood analysis that is o	ver 10 years old.			
	The project will utilize and update existing watershed models to complete a floodplain analysis,								
	LOS determination, and BMP alternative analysis. The Sebring watershed is one of the District's								
	top 20 priority watersheds for WMP updates. Highlands County qualifies for a 75% cost share								
	as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can								
			Fund	ina					
Funding Source	P	rior	FY20	20	Future	Total			
Highlands County		\$0		\$43.750	\$43,750	\$87.500			
District		\$0 \$0		\$131.250	\$131.250	\$262,500			
Total		\$0 \$0		\$175,000	\$175,000	\$350,000			

Project No. N940	SW IMP- Water Quality- Lake Hunter BMP Project								
City of Lakeland		FY2020							
Risk Level:	Туре 3			Multi-Year (	Contract:				
				Yes, Year 3	of 3				
			Descri	ption					
Description:	Design, pe	ermitting and c	onstruction of	stormwater B	MPs for untreated runoff	discharging to Lake			
	Hunter, a l	FDEP impaired	l waterbody, lo	ocated in the	City of Lakeland.				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the cons	truction of stormwater BN	/IPs to treat runoff			
	from an 84	acre urbanize	ed watershed.	Construction	will be in accordance wit	h the permitted			
	plans. The	ere will be no m	nonitoring or p	erformance te	esting requirements.				
Costs:	Total Proje	al Project cost: \$1,053,980 (Design, permitting and construction)							
	City of Lak	keland: \$526,9	90						
	District: \$5	526,990, with \$	466,990 reque	ested in prior	years, and \$60,000 requ	ested in FY2020.			
	FY2020 fu	inding request	is the result of	a scope cha	nge and corresponding c	ost increase. The			
	project cos	st increased fro	District Chara	isly approved	budget of \$933,980 (\$46	ob,990 District share)			
	10 \$ 1,000, 5 060 lbo/	900 (\$520,990 ur TSS to 19 0		) with the res	ource benefit of the proje	ct increasing from			
	5,900 IDS/	yi 133 tu 16,0	Evalu	ation					
Application Quality:	High	Application in	cluded all of th	ne required in	formation identified in the				
Application Quality.	Ligh								
Project Benefit:	пıgri	The Resource Benefit of the project is the reduction of pollutant loads to Lake Hunter,							
		18 033 lbc/vr		y, by an estin	aleu 272 IDS/yr 01 TN, 53				
Cost Effectiveness:	Medium	The estimated cost/lb of TN removed is below the historical average of \$224/lb the							
Cost Enectiveness.	Medium	estimated cost/lb of TP removed is slightly above 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/suburban water guality projects. Cost effectiveness is based upon the metrics in							
		place when the project was orginally approved.							
Past Performance:	High	Based upon an assessment of the schedule and budget for the 1 ongoing project.							
Complementary Efforts:	High	The City has an active stormwater utility that collects fees.							
Project Readiness:	High	The project is ongoing and on schedule.							
			Strategio	: Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Water	Quality Main	ntenance and Improvem	ent: Develop			
		and impleme	nt programs, p	projects and r	egulations to maintain an	d improve water			
		quality.							
		Overal	l Ranking and	l Recommen	dation				
Fund as Medium Priority.	This ongo	ing project will	improve wate	r quality disch	arging to Lake Hunter, a	FDEP impaired			
	waterbody	<ol> <li>During desig</li> </ol>	n it was deterr	mined that the	e addition of a baffle box	would increase the			
	resource b	penefit of the p	roject from 59	60 lbs/yr TSS	to 18,033 lbs/yr TSS. As	a result the			
	project co	st and resourc	e benefit of the	e project have	increased.				
			Func	ing	_	_			
Funding Source	P	rior	FY20	20	Future	Total			
District		\$466,990		\$60,000	\$0	\$526,990			
City of Lakeland		\$466,990		\$60,000	\$0	\$526,990			
Total		\$933,980		\$120,000	\$0	\$1,053,980			

Project No. Q056	SW IMP - Water Quality - Bridgers Avenue Drainage & Water Quality Project								
Polk County						I	FY2020		
Risk Level:	Type 2			Multi-Year	Contract: No				
Description									
Description:	Constructi	Construction of water quality BMP's to treat stormwater discharged from a highly urbanized							
	watershed	l discharging to	o Lake Lena, a	I FDEP impai	red waterbody with an es	tablished TMDL, in			
	Polk Coun	ity.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the cons	struction of water quality I	BMPs to treat			
	approxima	ately 77 acres o	of highly urbar	ized watersh	ed discharging to Lake L	ena, a FDEP			
	impaired v	vaterbody with	an establishe	d IMDL. Cor	istruction will be in accord	dance with the			
	permitted	plans. There w	/III be no moni	toring or testi	ng requirements.				
Costs:	Polk Cour	ect cost. \$1,100	0,000 (land ad includos \$200	QUISILION, CON	istruction)	na match)			
	District: \$P	550 000 (1	includes \$200	,000 01 14110 2		ng materi)			
		550,000	Evalu	ation					
Application Quality:	High	Application in	cluded all of th	ne required in	formation identified in the	e CFI guidelines.			
Proiect Benefit:	High	The Resource	e Benefit of thi	s Water Qua	lity Project is the reductio	n of pollutant loads			
	Ũ	to Lake Lena by an estimated 323 lbs/vear of Total Nitrogen (TN) and 53 lbs/vear of							
		Total Phosphorous (TP).							
Cost Effectiveness:	High	The estimated cost/lb of TN removed is between the historical averages of \$176							
		-\$475/lb and the estimated cost/lb of TP removed is below the historical average of							
		\$1498/lb.							
Past Performance:	High	Based upon an assessment of the schedule and budget for the 15 ongoing projects.							
Complementary Efforts:	High	High The County has an active stormwater utility that collect fees.							
Project Readiness:	High	High Project is expected to begin on or before December 1st, 2019.							
		1	Strategi	c Goals					
Strategic Goals:	Medium	Strategic Ini	tiative - Wate	r Quality Mai	ntenance and Improvem	nent: Develop			
		and impleme	ent programs, j	projects and i	regulations to maintain ar	nd improve water			
		quality.							
Fund on Madium Driarity	고 :	Overal	l Ranking and	Recommen	dation				
Fund as ineqium Priority.	The project is cost effective and improves water quality discharging to Lake Lena, a FDEP								
	impaired			u TMDL.					
Eunding Source	D	rior	FV20	20	Future	Total			
District	F		1120	\$550,000	sn		550 000		
Polk County		φ0 \$0		\$550,000	ې ۵۵	φ. 	550,000		
Total		\$0 \$0		\$1,100,000	\$0 \$0	φς \$1.1	100.000		

Project No. Q118	SW IMP - Water Quality - Lake Parker							
Polk County					FY2020			
Risk Level:	Type 2		Multi-Year	Contract: No				
			Description					
Description:	Constructi	on of ditch bar	k stabilization with gabion	baskets along 460 linear	feet of the Lake			
	Parker out	fall canal to im	prove water quality in Sad	dle Creek. The project is t	he third and final			
	phase of a	a previously fur	nded cooperative funding p	rojects within the canal.				
Measurable Benefit:	The contra	The contractual Measurable Benefit will be the construction of 460 linear feet of bank						
	stabilizatio	on in the Lake	Parker outfall canal. There	will be no monitoring or p	erformance testing			
	requireme	nts.						
Costs:	Total proje	ect cost: \$660,	000 (Construction)					
	Polk Cour	ity: \$330,000						
	District: \$3	330,000	Evoluation					
Application Quality:	Modium	Application in	Evaluation	d information identified in	the CEL Guidelines			
Application Quality.	Medium	District DM/CM bad to work with cooperator to obtain remaining required information						
Project Benefit:	Hiah	The Resource Benefit of this water quality project is the reduction of pollutant loads to						
r rojour Donomi.		Saddle Creek by an estimated 44,000 lbs/year TSS.						
Cost Effectiveness:	High	gh The estimated cost/lb of TSS removed is below the historical average of \$5/lb.						
Past Performance:	High	Based upon an assessment of the schedule and budget for the 15 ongoing projects.						
Complementary Efforts:	High	h Polk County has an active stormwater utility that collects fees.						
Project Readiness:	High	The project is	ready to begin on or befor	re December 1, 2019.				
Strategic Goals								
Strategic Goals:	Medium	Strategic Ini	tiative - Water Quality Ma	intenance and Improvem	ent: Develop			
		and impleme	ent programs, projects and	regulations to maintain ar	nd improve water			
		quality.						
		Region Prio	rity: None					
		Overal	I Ranking and Recommer	ndation				
Fund as Medium Priority.	The project is cost effective and will reduce stormwater impacts to Saddle Creek through a							
	reduction	in sediment loa	ad.					
Eunding Source		rior	Funding	Euterne	Toto			
Polk County	- Р 	110F ¢0	F I 2U2U					
District		ტე დე	ອວວບ,000 ແລວດ ດດດ		ອວວບ,000 ¢330,000			
Total		ው ዓህ ድር	\$330,000 \$660,000	<del>۵۵</del> ۱ <u>۶</u>	\$660,000			
Total		\$0	\$660,000	J \$U	<u>۵۵</u> 60,000			

Project No. Q059	Reclaimed - Polk Co. NWRUSA US 98 Reuse Project							
Polk County Utilities						FY202		
Risk Level:	Type 2			Multi-Year	Contract: No			
		Description						
Description:	Design, pe mains and residentia	esign, permitting and construction of approximately 4300 feet of reclaimed water transmission ains and other necessary appurtenances to provide reclaimed water to approximately 193 sidential irrigation customers in the Breakwater Cove and Princeton Manor subdivisions.						
Measurable Benefit:	The Meas reclaimed (CFWI) Re	e Measurable Benefit, which will be the contractual requirement, is the supply of 0.031 mgd of claimed water for irrigation to residential customers in the Central Florida Water Initiative FWI) Region.						
Costs:	Total proje Polk Cour District: \$2	ect cost: \$545,3 1ty: \$272,655 272,655	310 (Design, p	ermitting, co	nstruction);			
			Evalua	ation				
Application Quality:	High	Application in	cluded all of th	he required in	iformation identified in the	e CFI guidelines.		
Project Benefit:	Medium	The benefit is the supply of 0.031 mgd of reclaimed water to residential irrigation customers for an anticipated 0.031 mgd of water savings within the CFWI.						
Cost Effectiveness:	Low	\$17.59 per ga average for a thousand gall reuse project projects up tc	\$17.59 per gallon per day capital costs which is above the \$10 to \$15 per gallon average for alternative supplies. The estimated cost effectiveness is \$4.28 per thousand gallons of water resource benefit, which is within the average cost range for reuse projects which typically range from a low of \$0.15/1,000 gpd for golf course projects up to ~\$10,00/1,000 gpd for residential projects					
Past Performance:	High	Based upon a	Based upon an assessment of the schedule and budget for the 15 ongoing projects.					
Complementary Efforts:	High	The Polk County reclaimed water system includes metering and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.						
Project Readiness:	High	The project is ready to begin on or before December 1, 2019.						
			Strategio	c Goals				
Strategic Goals:	Medium	<b>Strategic Initiative - Reclaimed Water</b> : Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.						
		Overal	I Ranking and	l Recommen	dation			
Low Priority, not recommended for funding.	The project currently f fully utilize	The project is not recommended for funding as it is not cost effective. The District is also currently funding a feasibility study intended to lead to the development of a recharge project to fully utilize the remaining reclaimed flows at the Polk NWRUSA wasterwater treatment facility.						
			Fund	ling				
Funding Source	<u>Р</u>	rior	FY20	20 ©	Future			
	<b> </b>	<u> </u>		\$272,655	¢۵ ۵	\$272,05		
District	<u> </u>	<u>۵</u> ۵		\$272,600	ას წე	\$212,05		
Iotai		ψ0.	1	4040,0 I U	ψυ	ψυ-τυ,υ		

Project No. Q072	Conservation - Haines City Distribution Line Looping								
Haines City					FY2020				
Risk Level:	Type 2		Multi-Yea	r Contract: No					
			Description						
Description:	Constructi	Construction of approximately 7,700 feet of new potable water lines and associated components							
	necessary	to eliminate s	ystem dead ends. This is	considered a utility-based s	supply side				
Moasurable Bonofit:	Conservati	on project, and	which will be the control	ng by improving potable wa	ater circulation.				
Measurable Defiert.	annroxima	The interasticable denetic, which will be the contractual requirement, is the construction of approximately 7 700 feet of new potable water lines and associated components to eliminate							
	distributio	n system dead	-ends.						
Costs:	Total Proj	ect Costs: \$1,4	40,000 (Construction);						
	City of Ha	ines City: \$360	),000 (25% REDI);						
	District: \$7	,080,000	English the se						
Application Quality	Modium	Application in	Evaluation	ad information identified in	the CEL quidelines				
Application Quality.	Medium	District PM/C	M had to work with coope	rator to obtain remaining re	equired information.				
Project Benefit:	Low	The benefit o	f the project is the conser	vation of approximately 80,	,000 gallons per day				
		in the SWUC	A; however, public supply	annual reports indicate that	at there is significant				
		uncertainty in	uncertainty in flushing volumes.						
Cost Effectiveness:	High	lign Project cost effectiveness is less than the historical range of \$3.00 to \$6.00 per							
Past Performance:	High	ligh Based upon an assessment of the schedule and budget for the 4 ongoing projects.							
Complementary Efforts:	Low	Cooperator per capita is above 125 gpcd.							
Project Readiness:	High	h Project is ready to begin on or before December 1, 2019.							
Strategic Goals									
Strategic Goals:	High	High Strategic Initiative - Conservation: Enhance efficiencies in all water-use sectors to							
		ensure bene	ficial use.						
		Heartland R	egion Priority: Implemen	t Southern Water Use Caut	tion Area (SWUCA)				
		Recovery St	rategy.	undation					
Low Priority not	This proie	ct is not recom	mended for funding as th	e project would enable the	connection of new				
recommended for funding.	customers	to the utility d	listribution system. Installa	ation of new potable distribution	ution lines for new				
J J	customer	acquisition is r	not eligible for funding und	ler the current funding guid	elines. There is				
	significant uncertainty in the resource benefit at this time due to inconsistencies in flushing								
	volumes o	locumented in	previous Public Supply A	nnual Reports.					
Eunding Course		view	Funding	Euture	Tatal				
Haines City	P	רוטר ¢ח	F 1 2020 \$360.00						
District		ው <u>ዓ</u> ር	\$300,00	<del>۵۵</del> ۵۰ ۵۱ ۹۵	\$1 080 000				
Total		\$0 \$0	\$1,440,00	0 \$0	\$1,440,000				

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