SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

## Heartland Region

## FY2021 Cooperative Funding Initiative

## Preliminary Project Evaluations and Rankings



## Southwest Florida Water Management District Heartland Region FY2021 Proposed Project Funding February 12, 2020

Page	Project	Cooperator	Project Name	Rank	District Prior Funding	FY2021 Proposed District Funding	District Future Funding
Proje	cts Rank	ed 1A Priority					
1	N898	Haines City	Reclaimed - Haines City Reclaimed Water Tank and Pump Stations	1A	2,985,000	1,635,000	0
2	Q067	Polk Co	Reclaimed - Polk County NERUSA Southeast Reuse Loop	1A	1,093,375	983,375	110,000
3	Q099	Highlands Co	WMP - Sebring WMP Update	1A	131,250	131,250	0
Proje	cts Rank	ed High Priority					
4	N926	Haines City	Restoration - Lake Eva & Lake Henry Restoration	Н	300,000	730,500	4,569,000
5	Q166	Bartow	Conservation - Bartow Golf Course Advanced Irrigation System	Н	0	250,000	0
6	Q178	Lakeland	Study - Crystal Lake Water Quality Improvement	Н	0	100,000	0
7	Q184	PRWC	Brackish - Polk Regional Water Cooperative Southeast Wellfield Implementation	Н	0	6,750,000	83,496,500
8	Q200	Winter Haven	Study - Winter Haven Direct Potable Reuse Feasibility	Н	0	100,000	0
9	Q201	Polk Co	)tudy - Polk County - Lake Water Quality Management গans		0	140,000	0
10	Q203	Polk Co	Study - Lake Annie Surface Water Restoration	Н	0	134,000	0
11	Q209	Polk Co	Study - Polk Co. Direct Potable Reuse Feasibility and Pilot Demonstration	Н	0	795,000	0
12	Q216	PRWC	Interconnects - Polk Regional Water Cooperative Regional Transmission Southeast Phase 1	Н	0	4,950,000	48,094,150
13	W771	Polk Co	Study - Winter Haven - Lake Lulu Watershed Protection	н	0	80,000	0
Proje	cts Rank	ed Medium Prio	rity				
14	Q176	Winter Haven	Study - Winter Haven/Upper Peace Creek Watershed Optimization Model	Μ	0	225,000	150,000
15	Q177	Winter Haven	Reclaimed - Winter Haven Southern Basin Aquifer Recharge	М	0	250,000	1,750,000
16	Q181	FL State Parks	WMP - Highlands Hammock State Park/Little Charlie Bowlegs WMP	М	0	75,000	195,000
			Recommended	d for Fu	nding Total:	\$17,329,125\$	5138,364,650
Proje	cts Rank	ed Low and/or N	lot Recommended				
17	Q164	Polk Co	SW IMP - Water Quality - Crooked Lake - Sunset Trail Stormwater Retrofit	L	0	455,000	0
18	Q187	PRWC	Conservation - Polk Regional Water Cooperative Demand Management Implementation	L	0	125,000	0
			Not Recommended	d for Fu	nding Total:	\$580,000	\$0
			Hear	tland R	egion Total:	\$17,909,125\$	138,364,650

Project No. N898	Reclaimed – Haines City Reclaimed Water Tank and Pump Stations Project						
Haines City						FY2021	
Risk Level:	Туре 2			Multi-Year	Contract:		
		Yes, Year 4 of 4					
			Descri	ption			
Description:	Design, pe	ermitting and c	onstruction of	a transfer pu	mp station, a storage tanl	k, a high service	
	pump stati	ump station, a booster station, associated yard piping, electrical modifications,					
	instrument	ation, controls	, and other ne	cessary appu	irtenances to enable the	city to store and	
	supply rec Florida Wa	laimed water to ater Initiative (0	o existing and CFWI).	future custor	ners in the "Ridge Lakes"	area of the Central	
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the desi	gn, permitting, and constr	uction of equipment	
	that will er	able the city to	o store and su	pply reclaime	d water to existing and fu	ture customers in	
	the "Ridge	Lakes" area c	of the Central I	Iorida Water	Initiative (CFWI). Constr	uction will be done	
	in accorda	nce with the p	ermitted plans	•			
Costs:	Total proje	ct cost: \$6,800	0,000 (Design,	Third-Party	Review, Permitting and C	onstruction);	
	Haines Cit	(25% REDI) 620.000 with	* \$2,180,000; *2,085,000 bi	idaatad in pr	ovious voors, and the fine	l voor funding of	
	1 635 000	requested in F	\$2,965,000 Di ₩2021	lugeted in pr	evious years, and the line	i year furfulling of	
	1,000,000	requested in r	Evalua	ation			
Application Quality:	High	Application in	cluded all of th	ne required in	formation identified in the	CFI guidelines.	
Project Benefit:	Medium	Medium The benefit will be the improvement of reclaimed water availability to enable future					
		reclaimed water system expansions.					
Cost Effectiveness:	Medium The project costs are 1% over the typical range of costs for infrastructure in similar						
		District funded reclaimed water storage and pumping projects.					
Past Performance:	Medium	Medium Based upon an assessment of the schedule and budget for the 2 ongoing projects.					
Complementary Efforts:	High	The Coopera	tor has a prog	ram in place	that includes metering an	d an incentivized	
		based reuse	rate structure i	or nign volur	ne users, and has proacti	ve reclaimed	
Project Readiness	High	Project is onc	icies which m	chedule		Jenenits.	
i rojoot rtouumooo.	riigit	r rojoot lo olig	Strategi	Goals			
Strategic Goals:	Hiah	Strategic Ini	tiative - Recla	imed Water <sup>.</sup>	Maximize beneficial use	of reclaimed	
	i ngi i	water to redu	ice demand or	n traditional v	ater supplies.		
		Heartland R	egion Priority	: Implement \$	Southern Water Use Caut	ion Area (SWUCA)	
		Recovery St	rategy.				
		Heartland R	egion Priority	: Improve Wi	nter Haven Chain of Lake	s and Ridge Lakes	
		Overal	I Ranking and	Recommen	dation		
Fund as 1A Priority.	This ongo	ing project is re	ecommended	for funding a	s it will improve the availa	bility of reclaimed	
	water for f	uture reclaime	d water syster	n expansions	and is cost effective. Th	e Governing Board	
	approved the third-party review in January 2019, and also approved a project cost increase of						
	communit	v as defined h	/ Florida Statu	te. Under the	Governing Board's Coor	erative Funding	
	Initiative Policy, the Board can reduce the requirements for matching funds for REDI						
	communit	es.					
			Fund	ling			
Funding Source	Р	rior	FY20	21	Future	Total	
District		\$2,985,000		\$1,635,000	\$0	\$4,620,000	
Haines City		\$1,315,000		\$865,000	\$0	\$2,180,000	
Total		\$4,300,000		\$2,500,000	\$0	\$6,800,000	

Project No. Q067	Reclaimed	Reclaimed – Polk County NERUSA Southeast Reuse Loop Project				
Polk County Utilities					FY2021	
Risk Level:	Туре 2		Multi-Year	Contract:		
			Yes, Year 2	of 3		
			Description			
Description:	Design, pe	ermitting and co	onstruction of approximate	ly 24,800 feet of reclaimed	l water	
	transmissi	on mains and	other necessary appurtena	nces to construct a loop to	o supply	
	approxima	itely 1,365 hon	nes in the Southeast reuse	portion of the North East	Utility Service Area	
Maggurahla Donofitu	and to ena	able supply to f	uture planned subdivisions		would off up alo include	
measurable benefit:	The contra	actual Measura	ible Benefit will be the sup	bly and utilization of 0.522	mga of reclaimed	
	Florida Wa	esidential imga		10.522 mgu of water savin	igs in the Central	
Costs:	Total proje	ect cost: \$4 373	500 (Design Permitting	Construction).		
	Polk Cour	itv: \$2.186.750	:	concaractory,		
	District: \$2	2,186,750, with	\$1,093,375 budgeted in p	revious years, \$983,375 r	equested in	
	FY2021, a	and the remaini	ng \$110,000 is anticipated	to be requested in future	Fiscal Years.	
			Evaluation			
Application Quality:	High	Application in	cluded all of the required in	nformation identified in the	CFI guidelines.	
Project Benefit:	High	igh The benefit is the supply of 0.522 mgd of reclaimed water to residential irrigation				
		customers for an anticipated 0.522 mgd of water savings within the CFWI				
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 within	the cost range for reuse p	projects which	
		typically range	e from a low of \$0.15/1,000	) gallons for golf course pr	ojects up to	
Deet Derfermenee	Lliab	\$10.00/1,000	galions for residential proj	ects.	angoing projecto	
	⊓ig⊓ High	The Cooperation	tor has a program in place	that includes metering and	d an incontivized	
Complementary Enorts:	підп	hased reuse	ate structure for high volu	me users, and has proactive		
		expansion po	licies which maximize utiliz	ration and environmental h	penefits	
Project Readiness:	High	Project is ond	oing and on schedule			
	5	, ,	Strategic Goals			
Strategic Goals:	Hiah	Strategic Ini	tiative - Reclaimed Water:	Maximize beneficial use of	of reclaimed	
Ŭ	5	water to redu	ice demand on traditional v	vater supplies.		
		Heartland Re	egion Priority: Implement	Southern Water Use Caut	ion Area (SWUCA)	
		Recovery Str	ategy.			
		Heartland R	egion Priority: Improve Wi	nter Haven Chain of Lake	s and Ridge Lakes	
		Overal	Ranking and Recommer	ndation		
Fund as 1A Priority.	This ongo	ing project is re	ecommended for funding a	s it reduces reliance on tra	aditional sources in	
	the SWUC	CA and is cost	effective.			
Englin 0	_		Funding	E.A.	Tatal	
Funding Source	P	rior	FY2021	Future	Iotal	
		\$1,093,375	\$983,375	\$110,000	\$2,186,750	
Polk County Utilities		\$1,093,375	\$983,375	\$110,000	\$2,186,750	
Total		\$2,186,750	\$1,9 <u>66,750</u>	\$220,000	\$4,373,500	

Project No. Q099	WMP - Seb	oring WMP Up	date			
Highlands County						FY202
Risk Level:	Type 4			Multi-Year	Contract:	
				Yes, Year 2	of 2	
			Descri	ption		
Description:	Complete County ind (LOS), and to the floor Blossom, 5	Complete a Watershed Management Plan (WMP) update for the Sebring watershed in Highlands County including Watershed Evaluation, floodplain analysis, Level of Service determination LOS), and Best Management Practices (BMPs) alternatives analysis. This will identify solutions o the flooding concerns in the Sebring Country Estates, Sebring Hills, Lake Haven, Orange Blossom, Silver Fox, and Sebring Falls areas. FY2021 funding will be used to complete the				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	Il be the und	ate to the Sebring WMP	to develop better
	floodplain	information an	d complete th	e LOS and B	MP alternative analysis	
Costs:	Total proje	ect cost: \$350,0	000	-	,	
	Highlands	County (25%	REDI): \$87,50	0		
	District: \$2	262,500 with \$	131,250 budge	eted in FY202	20 and \$131,250 reques	sted in FY2021.
			Evalu	ation		
Application Quality:	High	Application in	cluded all the	required info	rmation identified in the	CFI guidelines.
Project Benefit:	High	The WMP will evaluate flooding problems that exist in the watershed. Currently, flood analysis models are available and are over 10 years old. The watershed has 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 20 priority watersheds for WMP updates.				
Cost Effectiveness:	High	Project cost per square mile is below the mid-range of historic costs (\$15,000 / sq mi				
		or less) for W	MP updates c	ompleted in r	mixed watersheds.	
Past Performance:	Medium	Based upon a	an assessmen	t of the schee	dule 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 ong	joing and on s	chedule.		
Strategic Goals:	High	Strategic Ini determine loo to support flo Heartland R	Strategio tiative - Flood cal and region odplain mana egion Priority	c Goals Iplain Manag al floodplain gement decis : Improve Wi	Jement: Collect and ana information, flood protect sion and initiatives. nter Haven Chain of Lak	lyze data to ction status and trends kes and Ridge Lakes
Fund - A Dit 1	<b>T</b> 1 :	Overal	I Ranking and	Recommen	dation	
Fund as 1A Priority.	I his ongo years old. analysis, I District's t cost share Board car	This ongoing project updates flood risk in an area with existing flood analysis that is over 10 /ears 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 reduce the requirements for matching funds for REDI communities.				
Funding Source	P	rior	FY20	21	Future	Total
Highlands County		\$43.750		\$43.750	\$	50 \$87.50
District		\$131.250		\$131.250	\$	50 \$262.500
Total		\$175,000		\$175,000	\$	0 \$350,000

Project No. N926	Restoration - Lake Eva & Lake Henry Restoration						
Haines City					FY2021		
Risk Level:	Туре 3		Multi-Year	Contract:			
		Descri	Yes, Year 2	c of 3			
	- ·	Descri	ption				
Description:	Design, pe	ermitting, and construction of	the Lake Ev	a and Lake Henry restora	tion based on		
	preliminar	y design developed inrough i	N830 (Feasil	wed in EV2018 for 20% do	ke Eva and Lake		
		og FV2021 funding request is	to complete	final design and hidding of	locuments and start		
	the constr	uction. The conceptual const	ruction cost	estimate is greater than \$	5 million dollars		
	therefore (	herefore Governing Board approval is required to proceed beyond 30% design (currently					
	ongoing) a	and third-party review.		, ,			
Measurable Benefit:	The contra	actual Measurable Benefit wi	II be the rest	oration and enhancement	of approximately		
	145 acres	of freshwater marshes, wetle	and swamp f	orest, and sloughs within	the Morrison Ranch		
	property.	Construction will be done in a	accordance v	vith the permitted plans.			
Costs:	Total proje	ect cost: \$7,466,000 (design,	third-party re	eview, permitting, and con	struction)		
	Haines Ci	ty: \$1,866,500 (Eligible RED	I Community	)			
	District: \$	5,599,500 with \$300,000 bud	geted in prev	vious years, \$730,500 req	uested in FY2021,		
	and \$4,56	9,000 anticipated to be requi	ested in futur	e years.			
Application Quality	High	Application included all the	ation required info	rmation identified in the C	El Cuidelines		
Application Quality:	High	Application included all the					
Project Benefit:	High The benefit of this project, if constructed, will restore regional water bodies, optimize						
Cost Effectiveness	High	Water retention within the region, and improve water quality.					
oost Encouveness.	of \$53.326/acre						
Past Performance:	Medium	Medium Based upon an assessment of the schedule and budget for the 2 ongoing projects.					
Complementary Efforts:	High	The cooperator has an activ	ve stormwate	er utility that collects asses	sments and		
	Ū	instituted a Lakes Manager	nent Initiative	Э.			
Project Readiness:	High	Project is ongoing and on s	chedule.				
		Strategi	c Goals				
Strategic Goals:	High	Strategic Initiative - Water	r Quality Mai	intenance and Improvem	ent: Develop		
		and implement programs, I	projects and	regulations to maintain an	d improve water		
		quality.					
		Strategic Initiative - Cons	ervation and	Restoration: Restoration	and		
			osystem for t	he benefit of water and wa	lier-related		
		Heartland Region Priority	· Improve Wi	inter Haven Chain of Lake	s and Ridge Lakes		
		Overall Ranking and	Recommer	ndation			
Fund as High Priority.	30% desig	on and third-party review is a	nticipated to	be completed by Septemi	per 2020.		
	Contractu	ally, the City will need Gover	ning Board a	pproval to proceed beyon	d this task.		
	Anticipatir	ng favorable information from	the third-pa	rty review, and with the un	derstanding that the		
	Governing Board will need to provide approval to proceed, staff is recommending FY2021 funding						
	for construction related services. If constructed, this project will restore regional water bodies,						
	optimize water retention within the region, and improve water quality. Haines City qualifies for a						
	75% cost share as a REDI community as defined by Florida Statute. Under District Policy						
	130-4, INE		lina				
Funding Source	P	rior FY20	21	Future	Total		
Haines City		\$100,000	\$243.500	\$1,523,000	\$1,866.500		
 District		\$300,000	\$730,500	\$4,569,000	\$5,599,500		
Total		\$400.000	\$974.000	\$6,092,000	\$7.466.000		

Project No. Q166	Conservation – Bartow Golf Course Advanced Irrigation System					
Bartow					FY2021	
Risk Level:	Type 2		Multi-Year	Contract: No		
			Description			
Description:	Installation	ו of an advanc	ed irrigation system includ	ing high efficiency spray he	eads with remote	
	communic	ation and cent	ralized weather-based cor	trol for the city-owned Bar	tow Golf Course.	
	distributior	n uniformity of	sion irrigation will result in irrigation events.	a reduction of irrigated acr	eage and better	
Measurable Benefit:	The contra	actual Measura	able Benefit is the installati	on of a new advanced irrig	ation system and	
	associated	d components	to reduce groundwater wit	hdrawals in the Southern V	Vater Use Caution	
	Area (SW	UCA). In additi	on, the completion of a fin	al report documenting pre	and post water	
Contor	usage.	ot cost: \$500 (	200			
COSIS.	City of Ba	rtow: \$250 000	)			
	District: \$2	250,000	,			
			Evaluation			
Application Quality:	Medium	Adium Application included most of the required information identified in the CFI guidelines.				
		District PM/CM had to work with cooperator to obtain remaining required information.				
Project Benefit:	High	The benefit of this project is an estimated 50,700 gallons per day of water conserved in				
Cost Effectiveness:	High	Project cost e	effectiveness is below \$3.0	0 per thousand gallons say	ved	
Past Performance:	High	Based on the	cooperator having no onc	oing projects with the Distr	rict they are ranked	
		high.	1 5 5	51 5	,	
Complementary Efforts:	High	The City golf	course is attempting to en	hance water use efficiency	with this project.	
		Additionally, t	the City is considering ado	ption of a Florida Water St	ar based ordinance	
Project Readiness	High	Project is rea	prove water use eniciency dv to begin on or before D	ecember 1 2020		
r rojoot ricuumess.	i ligi i		Strategic Goals			
Strategic Goals:	High	Strategic Ini	tiative - Conservation: Fr	hance efficiencies in all wa	ater-use sectors to	
	3	ensure bene	ficial use.			
		Heartland R	egion Priority: Implement	Southern Water Use Caut	ion Area (SWUCA)	
		Recovery Str	rategy.			
		Overal	I Ranking and Recomme	ndation		
Fund as High Priority.	Project wi	Il conserve pot	able water in the SWUCA	and is cost effective.		
Eunding Source	Funding					
District	r I	\$0	\$250.000	\$0	\$250,000	
Bartow	<u> </u>	\$0	\$250.000	\$0	\$250.000	
Total		\$0	\$500,000	\$0	\$500,000	

Project No. Q178	Study – Cr	Study – Crystal Lake Water Quality Improvement					
City of Lakeland						FY20	:021
Risk Level:	Туре 3			Multi-Year C	Contract: No		
	-		Descr	iption			
Description:	Feasibility	study to evalu	ate nutrient re	duction sedim	ent treatment options to	improve water	
	quality in (	Crystal Lake. A	previous stud	ly showed tha	t sediment cycling contr	ibutes over 90	
	percent of	the phosphoru	is load to the l	ake. The feas	bility study will evaluate	options to reduce	
	one additi	onal lake to ex	ne sediments	to improve wa	ater quality. The study w	in include at least	
Measurable Benefit:	The contra	actual Measura	able Benefit wi	I be the comp	pletion of the study.		
Costs:	Total Proje	ect Cost: \$200,	000 (Study)		,		
	City of Lal	keland: \$100,0	00				
	District: \$	100,000					
			Evalu	ation			
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the (	CFI Guidelines.	
Project Benefit:	High	High   The Resource Benefit of the project is the feasibility study to identify cost effective					
Cost Effectiveness	High	The cost offer	Improvement	options. his study is co	marable to past project	to	
Bast Porformance		Based upon a		t of the sched	ule and budget for the 1	ongoing project	
Complementary Efforte:	High	Applicant has	an active sto	rmwater utility	that collects fees		
Project Readiness	Medium	Project is rea	dy to begin on	or before Ma	rch 1 2021		
Troject Reduiness.	Medium	1 10/00113 104	Strategi	r Goals	1011 1, 2021.		
Strategic Goals	Medium	Strategic Ini	tiativo - Wate		essment and Planning	Collect and	
otratogio couro.	Mediam	analvze data	to determine	local and regi	onal water quality status	and trends to	
		support reso	urce manager	nent decisions	s and restoration initiativ	es.	
			-				
		Overal	I Ranking and	d Recommend	dation		
Fund as High Priority.	This feasi	bility study will	evaluate wate	er quality impro	ovement alternatives to	achieve nutrient load	
	reductions	s for Crystal La	ke and will pro	ovide data tha	t can be applied to othe	r lakes in the Peace	
	River wate	ershed. The Go	overnor's Exec	cutive Order 1	9 -12 instructs the five w	vater management	
	districts to prioritize funding to focus on projects that will address harmful algal blooms and						
	maximize nutrient reductions. This project is consistent with that directive and the project						
	ranking w	as elevated to	high.				
Enadia 0	_		Fund	aing	E.A.	<b>T</b> / 1	
Funding Source	P	rior #0	F 120	¢100.000	Future		000
City of Lakeland		\$U #0		\$100,000	ګ(	y \$100,0	000
		\$0 \$0		\$200,000	\$ر \$(	<u>)</u> \$100,0 \$200.0	000

Project No. Q184	Brackish – Polk Regional Water Cooperative Southeast Wellfield Implementation						
PRWC					FY2021		
Risk Level:	Type 2		Multi-Year	Contract:			
			Yes, Year 1	of 7			
		Des	cription				
Description:	This fundir	ng request is for the final o	lesign, permittir	ng, and construction of the	Southeast		
	Wellfield V	Nellfield Water Treatment Facility. Project components include a reverse osmosis facility and					
	brackish w	ater wellfield located east	of Lake Wales	. The request includes the	first two		
	constructio	on phases of the Southeas	st Wellfield proje	ects with planned complet	ion in 2023 and		
	2027 resp	ectively. The project will p	ovide alternativ	delivered by a regional tr	baung members of		
		as a companion project (	(2, 0) (10) (10) (10) (10) (10) (10) (10) (10)	de upon the concentual ar	anomission system		
	design fun	ded under project N905.	gz 10), and bui		id preiminary		
Measurable Benefit:	The contra	actual Measurable Benefit	will be an alter	native supply project provi	ding 12.5 MGD for		
	use by PR	WC project partners to re	duce stress on	the Upper Floridan aquife	ашу <u>- ю ше</u> то. Г.		
Costs:	Total proje	ct cost: \$180,493,000 (fin	al design, perm	itting, and construction)			
	PRWC: \$9	0,246,500.					
	District: \$9	0,246,500 with \$6,750,00	0 requested in	FY2021 and \$83,496,500	anticipated to be		
	requested	in future years.	-				
	:	Eva	luation				
Application Quality:	Medium	Application included mos	t of the require	d information identified in t	the CFI guidelines.		
Broject Bopofit:	High	Substantial resource ber	ork with coopera	ator to obtain remaining re	quired information.		
Project benent.	riigii	water supply to reduce s	tress on the Un	per Floridan aquifer Takes	and wetlands		
Cost Effectiveness:	Medium	The cost effectiveness for	r the Southeas	Wellfield Water Treatmer	t Facility combined		
		phases 1 and 2 are med	um based on s	taff evaluation guidelines	and conceptual		
		design costs. The capital cost per daily gallons capacity developed is \$14.44, which is					
		within the medium effect	veness range o	of \$10 to \$15.			
Past Performance:	High	Based upon an assessm	ent of the sche	dule and budget for the 10	ongoing projects.		
Complementary Efforts:	High	Applicant will provide wh	olesale alternat	ive Water Supplies to part	icipating PRWC		
Duck of Decidior of	L R ala	Members.					
Project Readiness:	Hign	Project is ready to begin	on or before De	ecember 1, 2020.			
Stratagia Caalay	Llink	Strate	gic Goals		annant of		
Strategic Goals.	nign	alternative sources of w	ernative water	supplies. Increase develor incundwater and surface w	opment of vater sustainability		
		Heartland Region Prior	ity: Implement	Southern Water Lise Caut	ion Area (SWLICA)		
		Recovery Strategy.	ty. implement				
		Overall Ranking a	nd Recommer	dation			
Fund as High Priority.	The South	east Wellfield Water Trea	tment Facility P	hase 1 and 2 have an ant	icipated total cost		
	of \$180,49	3,000 with \$6,750,000 re	quested for FY2	2021. The related Regiona	al Transmission		
	System So	outheast Phase 1 project	Q216) will be n	ecessary to transmit this r	new supply to the		
	region and has an anticipated total cost of \$106,088,300 with \$4,950,000 requested for FY2021.						
	The third-party review of the preliminary design will be performed under project N905 by January						
	2021. Contractually, the PRWC will need Governing Board approval to proceed with this project						
	atter the third-party review. Anticipating favorable information from the third-party review, and with						
	the understanding that the Governing Board will need to provide approval to proceed, staff recommend EY2021 funding for design						
		<u> </u>	nding				
Funding Source	Р	rior FY	2021	Future	Total		
District		\$0	\$6,750,000	\$83,496,500	\$90,246,500		
PRWC		\$0	\$6,750,000	\$83,496,500	\$90,246,500		
Total		\$0	\$13,500,000	\$166,993,000	\$180,493,000		

Project No. Q200	Study – Winter Haven Direct Potable Reuse Feasibility							
Winter Haven	1					FY2021		
Risk Level	Type 2		Multi-Ye	ear Contract: No				
			Description					
Description	A direct po	table reuse (D	PR) feasibility study to	provide information on the po	otential future			
	developme	development of a DPR project for new potable water supply. The project will include data						
	collection	collection and laboratory services necessary to determine the quantity and quality of water						
	sources. S	ource water cl	naracterization will inclu	ide regulated, unregulated ar	nd emerging			
	constituen	constituents. The study will also include a desktop evaluation and costing of available advanced						
	treatment	technologies fo	or reclaimed water.					
Measurable Benefit:	The contra	actual Measura	ble Benefit will include	the completion of a feasibility	/ study to determine	e		
	the quanti	ty and quality o	of sources and the cond	eptual costing of treating rec	laimed water for			
	new potab	le water suppl	ies within the Central F	lorida Water Initiative (CFWI)	area.			
Costs	Total proje	ct cost: \$200,0	000 (Feasibility);					
	Winter Ha	ven: \$100,000	,					
	District: \$1	100,000, all rec	uested in FY2021.					
			Evaluation					
Application Quality	Medium	Application in	cluded most of the requ	uired information identified in	the CFI guidelines.			
		District PM/C	M had to work with coo	perator to obtain remaining re	equired information.			
Project Benefit	High	The benefit is	the completion of a fea	asibility study to determine the	e quantity and			
		quality of sources and the conceptual costing of treating reclaimed water for new						
		potable water supplies.						
Cost Effectiveness	High The costs are consistent with the range of costs for similarly funded District reclaimed							
		recharge and indirect potable reuse studies.						
Past Performance	Medium	Based upon a	an assessment of the s	chedule and budget for the 5	ongoing projects.			
Complementary Efforts	High	The Coopera	tor has a program in pla	ace that includes metering an	d an incentivized			
		based reuse	rate structure for high v	olume users, and has proacti	ve reclaimed			
		expansion po	licies which maximize u	utilization and environmental	benefits.			
Project Readiness	High	The project is	ready to begin on or b	efore December 1, 2020.				
			Strategic Goals					
Strategic Goals	High	Strategic Ini	tiative - Alternative Wa	ter Supplies: Increase devel	lopment of			
		alternative so	ources of water to ensu	re groundwater and surface v	water sustainability.			
		Strategic Ini	tiative - Reclaimed Wa	ter: Maximize beneficial use	of reclaimed			
		water to redu	ice demand on traditior	iai water supplies.				
		Heartland R	egion Priority: Implem	ent Southern Water Use Cau	tion Area (SWUCA)			
		Recovery Su	alegy.	Winter Hoven Chain of Lake	a and Didgo Lakaa			
			Banking and Bocom	mondation	es and Ridge Lakes			
Fund as High Priority	The project	overal at is recommon	dod for funding as it w	ill provide valuable informatic	n nocossary for the	<b>`</b>		
i unu as riigh i nonty.	notential c	levelopment of	a future potable reuse	option Euture full scale pota	he reuse projects	5		
	will be cor		and must meet the Gov	verning Board's Cooperative I	Funding Initiative			
	Policy whi	ch supports m	ulti-iurisdictional develo	opment of alternative water su	Innlies			
			Funding					
Funding Source	Р	rior	FY2021	Future	Total			
District		\$0	\$100	000 \$0		\$100.000		
Winter Haven		0 <u>\$</u>	\$100,	0.00 0.00		\$100.000		
Total		\$0	\$200	000 \$0		\$200.000		

Project No. Q201	Study – Po	Polk County – Lake Water Quality Management Plans					
Polk County						FY2021	
Risk Level:	Туре 3		Multi-Year	Contract: No			
	Description						
Description:	Developm quality imp Cannon, a BMP optio	Development of Water Quality Management Plans (WQMP) including BMP options for water quality improvements and natural system enhancements for four lakes: Grassy, Tennessee, Cannon, and Gibson. Study will include nutrient reduction and cost estimates for each identified BMP option.					
Measurable Benefit:	The contra	actual Measura	able Benefit will be the com	pletion of the study.			
Costs:	Total Proje Polk Cour District: \$1	ect Cost: \$280, ty: \$140,000	,000 (Study)				
			Evaluation				
Application Quality:	Medium	Application in District PM ha	ncluded most of the require ad to work with cooperator	d information identified in t to obtain remaining requir	the CFI Guidelines. ed information.		
Project Benefit:	High	The Resource options for wa lakes: Grassy reduction and	The Resource Benefit of the project is the development of WQMP's including BMP options for water quality improvements and natural system enhancements for four lakes: Grassy, Tennessee, Cannon, and Gibson. The study will include nutrient reduction and cost estimates.				
Cost Effectiveness:	High	igh The cost effectiveness for this study is comparable to similar projects.					
Past Performance:	High	High Based upon an assessment of the schedule and budget for the 7 ongoing projects.					
Complementary Efforts:	High	High Applicant has an active stormwater utility that collects fees.					
Project Readiness:	High	This project is	s ready to begin on or befo	re December 1, 2020.			
		I	Strategic Goals				
Strategic Goals:	Medium	Strategic Ini analyze data support reso	itiative - Water Quality Ass to determine local and reg urce management decision	sessment and Planning: ( gional water quality status ns and restoration initiative	Collect and and trends to s.		
		Overal	I Ranking and Recommen	ndation			
Fund as High Priority.	This study options wi systems. to prioritiz nutrient re elevated t	is study will develop WQMPs for four lakes within Polk County. The study will include BMP tions with nutrient reduction and cost estimates to improve water quality and enhance natural stems. The Governor's Executive Order 19 -12 instructs the five water management districts prioritize funding to focus on projects that will address harmful algal blooms and maximize trient reductions. This project is consistent with that directive and the project ranking was evated to high.					
Funding Course		view	Funding	Euture	Toto		
Polk County	<u>Р</u>	n <b>or</b>	F12U21	ruture en	Iotal	140.000	
		<del>ა</del> ე	۵۱40,000 ¢140,000	ტე დე		\$140,000	
Total		\$0 \$0	\$280.000	\$0		\$280,000	

Project No. Q203	Study – Lake Annie Sur	udy – Lake Annie Surface Water Restoration					
Polk County				FY2021			
Risk Level:	: Туре 3	Multi-Year Co	ontract: No				
		Description					
Description:	A feasibility study invest previously excavated ar Lake Annie. The project	feasibility study investigating the diversion of water from the Peace Creek Canal to a series of reviously excavated areas for wetland habitat restoration and water quality improvement for ake Annie. The project will quantify benefits and develop cost estimates.					
Measurable Benefit:	The contractual Measur	able Benefit will be the comple	etion of the study.				
Costs:	: Total Project Cost: \$268 Polk County: \$134,000 District: \$134,000	3,000 (Study)					
	-	Evaluation					
Application Quality:	High Application in	ncluded all the required inform	ation identified in the CF	-I Guidelines.			
Project Benefit:	High The Resource restoration a	e Benefit of the project is the t nd water quality improvement	feasibility study investiga for Lake Annie.	ating wetland habitat			
Cost Effectiveness:	: High The cost effe	The cost effectiveness for this study is comparable to similar projects.					
Past Performance:	High Based upon	Based upon an assessment of the schedule and budget for the 7 ongoing projects.					
Complementary Efforts:	: High Applicant ha Program, ma efforts that p	Applicant has an Environmentally Sensitive Land Purchase Programs, Adopt a Road Program, maintains "nature parks" and "open space", and has other complementary efforts that preserve or restore natural systems.					
Project Readiness:	High The project i	The project is ready to begin on or before December 1, 2020.					
		Strategic Goals					
Strategic Goals:	High Strategic In analyze data support reso Strategic In maintenance resources.	Strategic Initiative - Water Quality Assessment and Planning: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives. Strategic Initiative - Conservation and Restoration: Restoration and maintenance of natural ecosystem for the benefit of water and water-related resources.					
	Overa	II Ranking and Recommenda	ation				
Fund as High Priority.	This project will assess Lake Annie's water qua Regional Water Cooper to ensure the projects d	his project will assess the feasibility of diverting water from the Peace Creek Canal to improve ake Annie's water quality and natural systems. This project has been coordinated with the Polk Regional Water Cooperative and their Peace Creek Canal Integrated Water Supply Plan (N928) o ensure the projects do not overlap.					
Funding Source	Prior	FY2021	Futuro	Total			
Polk County	¢(	\$134 000		\$13 <u>4</u> 000			
District	\$(	\$134,000	90 	\$134,000			
Total	\$	\$268,000	\$0	\$268.000			

Project No. Q209	Study-Polk	Co. Direct Po	table Reuse Feasibility a	and Pilot Demonstration	Project	
Polk County	1		-		FY2021	
Risk Level	Туре 2		Multi-Year	Contract: No		
			Description			
Description:	A direct po Polk Coun project wil demonstra water as w	A direct potable reuse (DPR) feasibility study and 29,000 gpd educational/testing pilot project by Polk County to test the development of a future DPR project for new potable water supply. The project will include data collection, laboratory services, design, permitting, construction and demonstration testing involving a field scale investigation of the advanced treatment of reclaimed water as well as at least one year of education and testing.				
Measurable Benefit:	The contra scale 29,0 Initiative (6	The contractual Measurable Benefit will include the completion of a feasibility study and pilot scale 29,000 gpd DPR treatment and educational/testing facility within the Central Florida Water Initiative (CFWI) area.				
Costs:	Total proje Polk Cour District: \$7	Total project cost: \$1,590,000 (Feasibility and Pilot); Polk County: \$795,000; District: \$705,000, with all requested in EX2021;				
	, ,		Evaluation			
Application Quality:	Medium	Application in District PM/C	cluded most of the require M had to work with coope	ed information identified in rator to obtain remaining r	the CFI guidelines. equired information.	
Project Benefit:	: High	The project benefit is the completion of a feasibility study and construction of a 29,000 gpd pilot facility to evaluate potential technologies to treat excess Polk County reclaimed water for potable water supplies.				
Cost Effectiveness:	: High	High The costs are consistent with the range of costs for similarly funded District potable reuse studies				
Past Performance:	High	Based upon a	an assessment of the sche	edule and budget for the 7	ongoing projects.	
Complementary Efforts:	: High	The Coopera based reuse i expansion po	tor has a program in place rate structure for high volu licies which maximize utili	that includes metering ar me users, and has proact zation and environmental	nd an incentivized ive reclaimed benefits.	
Project Readiness	High	Project is rea	dy to begin on or before D	ecember 1, 2020.		
	, , , , , , , , , , , , , , , , , , ,	-	Strategic Goals			
Strategic Goals:	High	Strategic Goals   High Strategic Initiative - Alternative Water Supplies: Increase development of alternative sources of water to ensure groundwater and surface water sustainability.   Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.				
		Overal	I Ranking and Recomme	ndation		
Fund as High Priority.	The project is recommended for funding as it will provide valuable data and educational opportunities to further the exploration of direct potable reuse as a future water supply. Future full scale potable reuse projects will be considered AWS and must meet the Governing Board's Cooperative Funding Initiative Policy which supports multi-jurisdictional development of alternative water supplies.					
Funding O			Funding	Enderse a	Tatal	
Funding Source	<u>Р</u>	rior *^				
		\$U ¢0	\$795,000 \$705,000		\$795,000	
		\$0 \$0	\$795,000 \$1.590.000	) \$(	\$795,000 \$1,590.000	

Project No. Q216	Interconnects – Polk Regional Water Cooperative Regional Transmission Southeast								
PRWC	Phase 1					FY2021			
Risk Level:	Туре 2			Multi-Year	Contract:				
				Yes, Year 1	of 3				
Description									
Description:	This fundir	I his funding request is for the final design, permitting, and construction of the Southeast							
	Wellfield R	tegional Trans	mission Syster	n, Phase 1.	Project components inclue	de approximately			
	43 miles 0	i pipeline exter	ultiple municip	Southeast v	the US 27 corridor. A futu	Facility located			
	extend to r	extend to municipalities near the Hwy-60 corridor. This project will deliver alternative water							
	supply to r	nembers of the	e Polk Regiona	al Water Coo	perative, which will be de	veloped through a			
	companior	n project, the S	outheast Well	field Implem	entation Project (Q184), a	ind builds upon the			
	conceptua	I and prelimina	ary design fund	led under pro	oject N905.				
Measurable Benefit:	The contra	actual Measura	able Benefit wi	ll be the cons	struction of a regional tran	smission system			
	capable of	delivering 7.5	mgd of alterna	ative water s	upplies and allowing futur	e expansions,			
	promoting	regional resou	irce managem	ent efforts, a	and supporting water supp	ly goals within the			
Casta	SWUCA.	at Coat: \$106	099 200 /final	decian norm	aitting and construction)				
COSIS.		3 044 150	066,500 (1118)	design, pen	niturily, and construction)				
	District: \$5	53.044.150 wit	n \$4.950.000 r	equested in	FY2021 and \$48,094,150	anticipated to be			
	requested	in future years	5.		0				
	·		Evalua	ation					
Application Quality:	Medium	Application in	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 Substantial resource benefit expected from the transmission of regional alternative							
Cost Effectiveness	Modium	water supply to reduce stress on the Upper Floridan aquifer, lakes, and wetlands.							
COSt Enectiveness.	based on staff evaluation of itemized component costs by pipe diameters, terrain								
		types, and construction methods.							
Past Performance:	High	Based upon a	an assessment	t of the sche	dule and budget for the 10	) ongoing projects.			
Complementary Efforts:	High	High Applicant will provide wholesale alternative water supplies to participating PRWC							
		Members.							
Project Readiness:	High	High Project is ready to begin on or before December 1, 2020.							
			Strategio	: Goals					
Strategic Goals:	High	Strategic Ini	tiative - Altern	ative Water	Supplies: Increase devel	opment of			
		alternative so	ources of wate	r to ensure g	roundwater and surface v				
		Recovery St	egion Priority	Implement	Southern Water Use Caul	ion Area (SWUCA)			
		Overal	Ranking and	Recommen	dation				
Fund as High Priority.	The Regio	nal Transmiss	ion System Sc	outheast Pha	se 1 project has an antici	pated total cost of			
	\$106,088,	300 with \$4,95	i0,000 request	ed in FY202	1. The related Southeast	Wellfield			
	Implement	tation project (	Q184) is nece	ssary to prov	ide water to the transmiss	sion system and			
	has a anticipated total cost of \$180,493,000 with \$6,750,000 requested in FY2021. The								
	third-party	review of prel	iminary design	will be perfo	ormed under project N905	by February 2021.			
	Contractua	ally, the PRVV	Will need Go	verning Boar	d approval to proceed wit	n this project after			
	une unitu-p understan	aity review. Al ding that the G	overning Rose	nable III0IM rd will need t	o provide approval to prov	ceed staff			
	recommer	nd FY2021 fun	ding for desiar	) 1					
			Fund	ling					
Funding Source	P	rior	FY20	21	Future	Total			
District		\$0		\$4,950,000	\$48,094,150	\$53,044,150			
PRWC		\$0		\$4,950,000	\$48,094,150	\$53,044,150			
Total	\$0 \$9,900,000 \$96,188,300				\$106,088,300				

Project No. W771	Study – Winter Haven – Lake Lulu Watershed Protection								
Polk County						FY2021			
Risk Level:	Туре 3	Type 3 Multi-Year Contract: No							
	Description								
Description:	A feasibilit	A feasibility study to identify opportunities to improve water quality, provide flood protection, and							
	and restor	e natural syste	ems in the Lake	e Lulu waters	hed, which is one of the \	Winter Haven Chain			
	of Lakes, a	Lakes, a SWIM priority water body.							
Measurable Benefit:	The contra	actual Measura	able Benefit wi	II be the com	pletion of the study.				
Costs:	Total proje	ect cost \$160,0	00 (Study)						
	Polk Cour	1ty: \$80,000							
	District. ac	50,000	Evalu	ation					
Application Quality:	Medium	Application in	cluded most o	f the required	d information identified in	the CFI Guidelines.			
		District PM ha	ad to work with	cooperator	to obtain remaining requir	ed information.			
Project Benefit:	High	The Resource	e Benefit of the	e project is th	e assessment of opportu	nities to improve			
		Lake Lulu wit	hin the Winter	Haven Chair	n of Lakes, a SWIM priorit	ty water body,			
		including water quality, flood protection, and natural systems							
0		enhancemen	t/restoration.						
Cost Effectiveness:	Hign	High The cost effectiveness for this study is comparable to past projects.							
Past Performance:	Hign	In Based upon an assessment of the schedule and budget for the 7 ongoing projects.							
Complementary Efforts:	High	Program, maintains "nature parks" and "onen space", and has other complementary							
		efforts that preserve or restore natural systems.							
Project Readiness:	High	This project is ready to begin on or before December 1, 2020.							
Strategic Goals									
Strategic Goals:	High Strategic Initiative - Water Quality Assessment and Planning: Collect and								
		analyze data to determine local and regional water quality status and trends to							
		support resource management decisions and restoration initiatives.							
	Heartland Region Priority: Improve Winter Haven Chain of Lakes and Ridge Lakes								
		Overal	I Ranking and	Recommen	dation				
Fund as High Priority.	This feasi	bility study will	investigate an	d identify opp	portunites to improve wate	er quality, flood			
	protection and natural systems within the Lake Lulu watershed, which is one of the Winter								
	Haven Ch	ain of Lakes, a		water body.					
Eunding Source	P	rior	FY20	21	Future	Total			
Polk County			. 120	\$80,000	\$0	\$80,000			
District		\$0 \$0		\$80.000	\$0	\$80.000			
Total		\$0		\$160,000	\$0	\$160,000			

Project No. Q176	Study – Winter Haven/Upper Peace Creek Watershed Optimization Model								
Winter Haven		FY2021							
Risk Level:	Туре 3			Multi-Year (	Contract:				
				Yes, 1 of 2					
Description									
Description:	Developm	Development of an integrated surface and groundwater planning model for the Upper Peace							
	Creek wat	ershed. The m	odel will incor	porate econo	mic, social and environme	ental consideration	S		
	to develop	options for flo	od mitigation,	water supply	and natural system enha	ncements.			
Measurable Benefit:	The contra	ne contractual measurable benefit is the completion of an integrated optimization model							
	addressin	aressing water and related resources for the winter Haven lakes, Ridge lakes, Upper Peace							
Contor	Creek and	the Peace Riv	/er.						
COSIS.	Winter Ha	ven cost: \$750,0	500						
	District co	st: \$375 000: v	vith \$225 000	requested in	EY21 and \$150 000 antic	inated to be			
	requested	in future vears	6.		1 1 2 1, and \$100,000 and	ipatoa to bo			
	- 1	,	Evalua	ation					
Application Quality:	High	Application in	cluded all the	required infor	mation identified in the C	FI guidelines.			
Project Benefit:	Medium	The project is	a planning ar	nd modeling p	roject to address improve	ment of flood			
-		protection, er	hancement of	natural syste	ems, water supply and eco	onomic			
		development. The resource benefits and costs will be clearly defined for each proposed							
		project.							
Cost Effectiveness:	Medium	The cost of th	nis project is si	milar to other	projects of similar scope.				
Past Performance:	Medium	Medium Based upon an assessment of the schedule and budget for the 5 ongoing projects.							
Complementary Efforts:	High	I he applicant has four or more complementary efforts in the areas of water supply,							
		flood protection	on and natural	systems.					
Project Readiness:	High								
Strategic Goals									
Strategic Goals:	High Strategic Initiative - Alternative water Supplies: Increase development of								
		Stratogic Initiative - Conservation and Pesteration: Pesteration and							
		maintenance	of natural eco	system for th	e benefit of water and wa	iter-related			
		resources.							
		Strategic Ini	tiative - Flood	plain Manag	ement: Collect and analy	ze data to			
		determine lo	cal and region	al floodplain i	nformation, flood protection	on status and trend	ls		
		to support flo	odplain mana	gement decis	ion and initiatives.				
		Heartland R	egion Priority	: Implement S	Southern Water Use Caut	ion Area (SWUCA	)		
		Recovery St	rategy.						
Fund on Madium Driamity	<b>TI:</b> ( )	Overal	I Ranking and	Recommen	dation				
Fund as Medium Priority.	I his study	/ WIII develop a	n integrated p	lanning mode	I for the Upper Peace Cre	eek watershed that	l.		
	will result in project options for reduced groundwater use in the SWUCA, flood protection								
	nopertents, and natural system restoration. Specific benefits will be provided as a part of the								
			Fund	ling					
Funding Source	Р	rior	FY20	21	Future	Total			
Winter Haven		\$0		\$225,000	\$150,000		\$375,000		
District		\$0		\$225,000	\$150,000		\$375,000		
Total		\$0		\$450,000	\$300,000		\$750,000		

Project No. Q177	Reclaimed - Winter Haven Southern Basin Aquifer Recharge								
Winter Haven						FY2021			
Risk Level:	Туре 3	Type 3 Multi-Year Contract:							
				Yes, 1 of 5					
	Description								
Description:	Design, pe	Design, permitting, and construction of the Winter Haven Southern Basin Aquifer Recharge							
	Project to i	ndirectly recha	arge a minimu	m of 400,000	gpd calculated using a 5	-year moving			
	average of	reclaimed wa	ter delivered b	y the City of	Winter Haven Wastewate	r Treatment Plant			
	NO. 3. This	s project will be	e constructed i	n accordance	e with results of the currer	nt site testing			
	the Harmo	the Harmony on Lake Floise Development. The FV2021 funding is to complete preliminary.							
	design	ITY OIT LAKE LI				te premimilary			
Measurable Benefit:	The contra	ctual Measura	able Benefit is	the design, p	ermitting and construction	n of the indirect			
	aquifer rec	harge system	that will opera	te for 20 vea	rs and will recharge a mir	nimum of 400.000			
	gpd calcul	ated using a 5	-year moving a	average. Con	struction will be done in a	ccordance with			
	permitting	plans.		Ū					
Costs:	Total proje	ct cost: \$4,00	0,000 (design,	permitting an	d construction)				
	City of Wir	nter Haven: \$2	,000,000						
	District: \$2	,000,000 with	, \$250,000 req	uested in FY	2021, and \$1,750,000 an	ticipated to be			
	requested	in future years	s to complete o	lesign, permi	tting and construction.				
Annelis stien Oneliter	Maaliuma	Annelia atione in	Evalua		information identified in .				
Application Quality:	medium	Application In	iciuaea mosi o M had to work	with the coord	i information identified in	ine CFI guidelines.			
		information		with the coop		ig required			
Project Benefit:	Medium	lium The benefit of this project is to indirectly recharge reclaimed water currently							
		discharged to the Peace Creek Canal to improve groundwater levels in the SWUCA							
		and potentially lake levels in Winter Haven. If constructed, the project will recharge a							
		minimum 400,000 gpd calculated using a 5-year moving average of reclaimed water							
		provided by Winter Haven's Wastewater Treatment Plant No. 3 at the Harmony on							
		Lake Eloise Development property.							
Cost Effectiveness:	Medium	um The capital cost for this project is \$10.00 per gpd of water recharged into the surficial							
		aquirer compared to the \$10 - \$15 range for Total Capital Cost/gpd of water resource							
Past Performance:	Medium	Based upon a	an assessmen	t of the sched	ule and budget for the 5	ongoing projects			
Complementary Efforts:	High	Programs inc	lude metering	and an incen	tive-based reuse rate stru	icture for high volume			
complementary Enorts.	i ligit	water users and has proactive reclaimed expansion policies which maximize utilization							
		and environmental benefits.							
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1st of the fiscal y	ear the funding is			
		being reques	ted.						
			Strategio	: Goals					
Strategic Goals:	High	Strategic Ini	tiative - Recla	imed Water:	Maximize beneficial use	of reclaimed			
	water to reduce demand on traditional water supplies.								
		Heartland R	egion Priority	: Improve Wir	nter Haven Chain of Lake	s and Ridge Lakes			
Found on Madium Driavity	16 1	Overal	l Ranking and	Recommen	dation				
Fund as Medium Priority.	If constructed, this project will lead to efficient use of available reclaimed water to benefit the								
	water reso	ovocutod ogr	opport with the	ea. The City v	nii not be eligible for reim	ibursement unless it			
	allows the City to construct and operate the project consistent with the objectives of the								
	measurable benefit.								
			Fund	ling					
Funding Source	Pi	rior	FY20	21	Future	Total			
Winter Haven		\$0		\$250,000	\$1,750,000	\$2,000,000			
District		\$0		\$250,000	\$1,750,000	\$2,000,000			
Total		\$0		\$500,000	\$3,500,000	\$4,000,000			

Project No. Q181	WMP – Hig	hlands Hamm	ock State Park/Little Char	lie Bowlegs WMP					
Florida State Parks					FY2021				
Risk Level:	Type 4		Multi-Year	Contract:					
			Yes, Year 1	of 3					
			Description						
Description:	Complete a	Complete a vvatershed Management Plan (WMP) for the Little Charlie Bowlegs Watershed with							
	an increase	ed focus on H	ighlands Hammock State P	ark in Highlands and Hard	dee Counties. This				
	Determinat	Determination, Surface Water Resource Assessment (SWRA) and Rest Management Practice							
	(BMP) Alte	Determination, Surface water Resource Assessment (SWRA), and Best Management Practice (RMP) Alternatives Analysis with the goal of improving flood protoction, water quality and/or							
	natural svs	tems. FY2021	funding will be used to be	gin the Watershed Evaluat	tion.				
Measurable Benefit:	The contra	ctual Measura	able Benefit will be the com	pletion of a WMP that ider	ntifies floodplains ,				
	establishes	s LOS, perforr	ns SWRA, and evaluates B	MPs to address flooding o	concerns, improve				
	water qual	ity and/or enh	ance natural systems in the	watershed.					
Costs:	Total Proje	ct cost: \$540,	000						
	FDEP: \$27	70,000							
	District: \$2	70,000 with \$	75,000 requested in FY202	1 and \$195,000 anticipate	ed to be requested				
	in future ye	ears.	Evaluation						
Application Quality:	High	Application in	cluded all the required info	mation identified in the CI	El Guidelines				
Broject Bonofit:	Medium	The WMP will		that exist in the watershe	ad Currently flood				
Project benefit.	weaturn	analysis mod	els are not available or are	over 10 years old and the	watershed includes				
		regional or in	termediate stormwater svst	ems. Resource benefit is a	set to medium to				
		reflect that ne	early half of the watershed is	s within the State Park.					
Cost Effectiveness:	High Project cost per square mile is in the low range of historic costs (under \$14,100/sq mi)								
		for WMPs con	mpleted in rural watersheds	i.					
Past Performance:	High	igh Based upon an assessment of the schedule and budget for the 1 ongoing project.							
Complementary Efforts:	High	High Cooperator is a state agency and does not participate in the Community Rating							
Dreiget Deedingen	Lligh	System.							
Project Readiness.	Strategic Goals								
Strategic Goals	High	Stratogic Ini	tiativo - Wator Quality Ass	ossmont and Planning: (	Collect and				
on alegie obais.	riigii	analyze data	to determine local and red	ional water quality status a	and trends to				
		support reso	urce management decision	s and restoration initiative	S.				
	Strategic Initiative - Conservation and Restoration: Restoration and								
		maintenance	of natural ecosystem for th	e benefit of water and wa	ter-related				
		resources.							
		Strategic Ini	tiative - Floodplain Manag	ement: Collect and analyz	ze data to				
		determine lo	cal and regional floodplain i	nformation, flood protection	on status and trends				
		to support flo	oodplain management decis	ion and initiatives.					
Fund on Madium Driarity	This music	Overal	I Ranking and Recommen	dation					
Fund as Medium Priority.	I his projec	t identifies flo	od risk and develops impro	vement plans in an area ti	hat does not have a				
	nood risk model. The study includes the Highlands Hammock State Park and the surrounding								
	solutions that alleviate flood risk improve water quality and/or enhance natural systems								
			Funding						
Funding Source	Pr	ior	FY2021	Future	Total				
District		\$0	\$75,000	\$195,000	\$270,000				
Florida State Parks		\$0	\$75,000	\$195,000	\$270,000				
Total		\$0	\$150,000	\$390,000	\$540,000				

Project No. Q164	SW IMP – Water Quality – Crooked Lake – Sunset Trail Stormwater Retrofit							
Polk County						FY2021		
Risk Level:	Type 2			Multi-Year O	Contract: No			
		Description						
Description:	Constructi	on of water qu	ality BMPs to re	educe sedim	ent loading to Crooked L	ake. The source of		
	the sedime	ents is a unpav	ved County mai	ntained road	with no stormwater infra	astructure.		
Measurable Benefit:	The contra	actual Measura	able Benefit will	the construc	ction of water quality BM	Ps to treat an		
	approxima	ately 10 acre di	rainage area di	scharging to	Crooked Lake. Construct	ction will be in		
	accordance	e with the peri	mitted plans. Th	nere will be r	io monitoring or testing re	equirements.		
Costs:	Iotal proje	ect cost: \$910,0	000 (Land acqu	isition and c	onstruction)	n er un etek)		
	POIK COUR	11y: \$455,000 (1	includes \$250,0	JUU OI Iand a	cquisition costs as fundir	ng maich)		
	District. φ	-33,000	Evalua	tion				
Application Quality:	Medium	Application in	cluded most of	the required	information identified in	the CFI quidelines.		
		District PM ha	ad to work with	the coopera	tor to obtain remaining re	equired information.		
Project Benefit:	Low	Low The Resource Benefit of the project is the reduction of pollutant loads to Crooked Lake						
		by an estimated 7 lbs/yr TN and 1.9 lbs/yr TP.						
Cost Effectiveness:	Low	ow The estimated cost per pound is above the historical average of \$475/Ib TN and above						
		the historical average of \$4152/lb TP.						
Past Performance:	High	Based upon an assessment of the schedule and budget for the 7 ongoing projects.						
Complementary Efforts:	High	gh Applicant has an active stormwater utility that collects fees.						
Project Readiness:	High	High Project is ready to begin on or before December 1, 2020.						
	Strategic Goals							
Strategic Goals:	-							
		Overal	I Ranking and	Recommen	dation			
Low Priority, not	The project is not recommended for funding as it has very low nutrient removal and is not cost							
recommended for funding.	effective.	effective.						
			Fundi	ng				
Funding Source	Р	rior	FY202	:1	Future	Total		
District		\$0		\$455,000	\$0	\$455,000		
Polk County		\$0		\$455,000	\$0	\$455,000		
Total		\$0		\$910,000	\$0	\$910,000		

Project No. Q187	Conservation – Polk Regional Water Cooperative Demand Management								
PRWC	Implement	ation			FY2021				
Risk Level:	Туре 1	Type 1 Multi-Year Contract: No							
Description									
Description:	This project Regional V program in public outr Plan (Q02	This project will expand the implementation of water conservation measures within the Polk Regional Water Cooperative (PRWC) service areas. The project will include water conservation program implementation, member coordination, program administration, program promotion, and public outreach. This project will implement the results from the PRWC Demand Management Plan (Q023) co-funded by the District in FY2019/2020.							
Measurable Benefit:	The contra completion	actual Measura n of a final repo	able Benefit will be the imploort.	ementation of the progran	n and the				
Costs:	Total proje PRWC: \$ <sup>2</sup> District: \$ <sup>2</sup>	ct cost: \$250,0 25,000	000						
			Evaluation						
Application Quality:	Medium	dium 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, and this evaluation will be further refined as the cooperator completes their Demand Management Plan.							
Project Benefit:	Low	Low As the PRWC develops their Demand Management Plan (Q023) more specific project benefits will be determined. Long-term, the PRWC has identified that between 2.1 and 17 MGD can be conserved throughout the PRWC by 2040 depending upon conservation actions selected for final implementation.							
Cost Effectiveness:	Low	Low The project cost effectiveness cannot be determined at this time.							
Past Performance:	High	ligh Based upon an assessment of the schedule and budget for the 10 ongoing projects.							
Complementary Efforts:	High	High The PRWC encourages and supports water conservation amongst its member governments.							
Project Readiness:	Medium	Project is rea	dy to begin on or before Ma	arch 1, 2021.					
Strategic Goals:	Low	_ow							
		Overal	I Ranking and Recommen	dation					
Low Priority, not recommended for funding.	The PRW conservat This is an	The PRWC cannot provide specific water resource benefits and costs until the selection of water conservation measures is performed through the Demand Management Plan project (Q023). This is anticipated to occur by February 2020, and the project will be re-evaluated at that time.							
	_		Funding						
Funding Source	P	rior	FY2021	Future	Iotal				
PKVVC District		\$0	\$125,000	\$0	\$125,000				
Total		\$0 \$0	\$125,000 \$250.000	\$0 \$0	\$125,000				

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