SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Heartland Region

FY2019 Cooperative Funding Initiative

Final Project Evaluations and Rankings





An Equal Opportunity

Employe



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

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HEARTLAND REGION

FISCAL YEAR 2019 COOPERATIVE FUNDING INITIATIVE PUBLIC MEETING

APRIL 5, 2018 • 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. Approval of February 8, 2018 Meeting Minutes
- 4. CFI Final Staff Rankings and Recommendations
 Project Presentations
- 5. Receive Additional Public Comment
- 6. Adjournment

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

MEETING NOTICE

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

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Southwest Florida Water Management District Heartland Region FY2019 Proposed Project Funding April 5, 2018

Project	Cooperator	Project Name	Rank	District Prior Funding	FY2019 Proposed District Funding	District Future Funding
N856	Highlands Co	WMP - Jack Creek Watershed Management Plan	1A	150,000	156,000	144,000
N862	Polk Co Utilities	Reclaimed Water - Polk County NERUSA CR547 Reclaimed Water Transmission Project	1A	50,000	384,750	0
N880	Ft Meade	WMP - Fort Meade Watershed Management Plan	1A	60,000	60,000	0
N888	Haines City	Study - Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility	1A	112,500	112,500	0
N917	Frostproof	WMP - Frostproof Watershed Management Plan	1A	45,000	45,000	0
N930	Avon Park	SW IMP - Water Quality - Lake Verona Stormwater Retrofit Project	1A	75,000	241,841	0
N933	Polk Co	Restoration - Crooked Lake West Wetland	1A	100,000	300,000	0
N940	Lakeland	SW IMP - Water Quality - Lake Hunter BMP Project	1A	74,125	392,865	0
N948	Polk Regional Water Coop	Conservation - Polk Regional Water Cooperative Indoor Water Conservation Incentives	н	0	78,000	0
N962	Davenport	WMP - Davenport Watershed Management Plan	Н	0	37,500	37,500
N971	Polk Regional Water Coop	Conservation - Polk Regional Water Cooperative Outdoor Water Conservation Best Management Practices	rН	0	96,250	0
Q022	Bowling Green	Reclaimed Water - Bowling Green Mosaic Mine Reclaimed Water Transmission Project	Н	0	833,250	0
Q023	Polk Regional Water Coop	Study - Polk Regional Water Cooperative Water Demand Management Plan	Н	0	85,000	85,000
W772	Winter Haven	SW IMP - Water Quality - Winter Haven Ridge Implementation of Stormwater BMPs	Н	0	60,000	60,000
N898	Haines City	Reclaimed Water - Haines City Reclaimed Water Tank and Pump Station Project, Final Design and Construction	Μ	225,000	1,125,000	3,270,000
N899	Polk Co Utilities	Study - Polk County Reclaimed Recharge Study in Dover/Plant City WUCA & Northwest Polk Areas	Μ	250,000	250,000	94,500
N973	Winter Haven	Conservation - Winter Haven Consumption and Conservation Programs Data Management Software	Μ	0	30,000	30,000
N996	Lake Hamilton	Conservation -Town of Lake Hamilton Distribution System Looping	Μ	0	124,610	0

Heartland Region Total: \$4,412,566 \$3,721,000

Project No. N856	WMP – Jac	k Creek Watershed	Management Plan				
Highlands County		F					
Risk Level:	Type 4	Type 4 Multi-Year Contract:					
	51	Yes, Year 2 of 3					
			Description				
Description:	Complete	a Watershed Manag	gement Plan (WMP) for the	e Jack Creek Josephin	e Creek		
	watershed	in Highlands Count	ty, through and including flo	oodplain analysis, Leve	el of Service		
	determinat	ion (LOS), and Bes	t Management Practices (B	BMPs) alternative anal	ysis. FY2019		
			ete the floodplain analysis a		ve analysis. This		
			rns in both the Lake Hill an				
Measurable Benefit:			e to develop better floodpla				
Costor			intain storage and conveya	ance and to minimize fi	lood damage.		
Costs:		ct cost \$600,000 County (25% REDI)· ¢150 000				
	-	• ·	00 budgeted in previous ye	ears \$156,000 reques	ted in EV2019 and		
			quested in future years.				
	,,		Evaluation				
Application Quality:	Medium	Application include	ed most of the required info	rmation identified in th	e CFI guidelines.		
		District PM/CM had	d to work with cooperator to	o obtain remaining req	uired information.		
Project Benefit:	High		yze flooding problems that		-		
		-	e not available or are over	-	watershed includes		
			diate stormwater systems.		(*****		
Cost Effectiveness:	High		uare mile is below the mid	-	s (\$20,000 / sq mi		
Past Performance:	High		completed in rural watersh ssment of the schedule and		aing project		
Complementary Efforts:	-		munity Rating System clas		÷ · · ·		
Project Readiness:		Project is ongoing					
Troject Reddiness.	riigii		Strategic Goals				
Strategic Goals:	High		e - Floodplain Manageme	nt [.] Develop better floo	dolain		
		-	plement floodplain manag		-		
			o minimize flood damage.		J		
		Strategic Initiative	e - Emergency Flood Res	ponse: Operate Distric	ct flood control		
			vation structures, providing				
		-	nents and the public to mini	imize flood damage du	uring and after		
		major storm event					
		-	Priority: Improve Ridge L	akes, Winter Haven C	hain of Lakes and		
		Peace Creek Can	ai. Iking and Recommendatio	n			
Fund as 1A Priority.	This ongo		flood risk in an area with r		mation available.		
	-		itilized for flood zone deter	-			
			e water quality, and enhan				
	the project area. Highlands County qualifies for a 75% cost share as a REDI community as						
			der District Policy 130-4, th	he Board can reduce t	he requirements		
	for matchi	ng funds for REDI c					
			Funding				
Funding Source	P	rior	FY2019	Future	Total		
Highlands County (REDI)		\$50,000	\$52,000	\$48,000	\$150,000		
District		\$150,000	\$156,000	\$144,000	\$450,000		
Total		\$200,000	\$208,000	\$192,000	\$600,000		

Project No. N862	Reclaimed Water-Po	Ik County NERUSA CR547 Rec	laimed Water Transmiss	sion Project			
Polk County Utilities				FY201			
Risk Level:	Туре 2	Multi-Year C	ontract:				
		Yes, Year 2 d	of 2				
		Description					
Description:	Design, permitting a	nd construction of approximately	6.900 feet of reclaimed	water transmission			
•		essary appurtenances to supply					
		iams Preserve, Greenfield Villag					
Measurable Benefit:		nefit, which will be the contractua					
		esidential customers in the "Ridg					
	Initiative (CFWI).						
Costs:		69,500 (Design, permitting, and	construction);				
	Polk County share: S						
	-	750 with \$50,000 budgeted in F	(2018 and \$384,750 req	uested in FY2019.			
		Evaluation	· · · ·				
Application Quality:	High Application	on included the required informat	tion identified in the CFI	quidelines.			
Project Benefit:	•	fit is the supply of 0.377 mgd of		-			
Fioject Benefit.	-	ated 0.318 mgd of water saving					
Cost Effectiveness:		gallon per day capital cost whic					
OUSt Effectiveness.		ative supplies. The estimated co					
		esource benefit which is within t					
		ange from a low of \$0.15/1,000	• •	•			
		000 gallons for residential project					
Past Performance:				noina projects			
Complementary Efforts:							
complementary Enorts.	-	tures for high volume water use	-				
		n policies which maximize utiliza	-				
	-	ental benefits.	lion, water resource ben	ents, anu			
Project Readiness:		ongoing and on schedule.					
Project Readiness.							
		Strategic Goals	• • • • • • • •	.			
Strategic Goals:	•	c Initiative - Reclaimed Water: N					
		offset potable water supplies and		-			
		d Region Priority: Implement S	outhern Water Use Cauti	ion Area (SWUCA)			
		y Strategy.					
		erall Ranking and Recommend					
Fund as 1A Priority.	0 01 3	is recommended for funding as	it reduces reliance on tra	aditional water			
	sources in the CFW	and is cost effective.					
		Funding					
Funding Source	Prior	FY2019	Future	Total			
District	\$50,		\$0	\$434,75			
Polk County Utilities	\$50,	000 \$384,750	\$0	\$434,75			
Total	\$100,	000 \$769,500	\$0	\$869,50			

Project No. N880	WMP - Fort	Meade Watershed I	Management Plan				
Fort Meade					FY201		
Risk Level:	Туре 3						
	Yes, Year 2 of 2						
			Description				
Description:	Complete a	Watershed Manage	ement Plan (WMP) for th	e Fort Meade Watershed ir	n the City of		
	Fort Meade	e. FY2019 funding w	ill be used to complete a	geodatabase of model fea	tures, model		
			-	Surface Water Resource As			
			-	Practices alternative analys	-		
	-		for this project and will b	e responsible for retaining	a consultant		
Maggurable Banofiti		project tasks.	a stituuill be the seven leti	an of a Waterahad madel a	and flooduloin		
weasurable benefit.				on of a Watershed model a of flood damage and cost			
	alternatives			or noou damage and cost	enective		
Costs:		ct cost \$160,000					
		Meade (25% REDI)	: \$40.000				
	-			ars, and \$60,000 requeste	d in FY2019.		
			Evaluation				
Application Quality:	High	Application included	all the required informat	ion identified in the CFI Gu	iidelines.		
Project Benefit:	High	The WMP will analy	ze flooding problems tha	t exist in the watershed. C	urrently, flood		
		analysis models are	not available or are over	r 10 years old, and the wat	ershed includes		
		regional or intermed	liate stormwater systems				
Cost Effectiveness:	High			ge for costs (\$30,000/sq m	ii or less) for		
		WMPs completed in					
Past Performance:	High		erator having no ongoing	projects with the District th	ey are ranked		
Complementary Efforts:	Low	high. Cooperator is not pa	articipating in the Comm	inity Rating System progra	m		
Project Readiness:		The project is ongor					
Project Readiness.	- High		-				
Strate via Ca ala	Llink		trategic Goals	n an transferration of Caller	-4		
Strategic Goals:	пуп	-	-	ment and Planning: Collect			
	analyze data to determine local and regional water quality status and trends to						
		support resource management decisions and restoration initiatives. Strategic Initiative - Floodplain Management: Develop better floodplain					
		-		gement programs to mainta			
			minimize flood damage.		0		
		Overall Rank	ing and Recommendati	on			
Fund as 1A Priority.	This ongoi	ng project identifies f	flood risk in an area with	no detailed study informati	on available.		
		• ·		rmination, help implement			
	alleviate flood risk and improve water quality, and enhance the planning of future development in						
		•		are as a REDI community	-		
			•	an reduce the requirement	s for		
	matching f	unds for REDI comm					
Eunding Source	D.	ior	Funding FY2019	Future	Total		
Funding Source	Pr	\$60,000	\$60,000	Future \$0	Total \$120,00		
Fort Meade (REDI)		\$20,000	\$80,000	\$0 \$0			
· · · ·		\$20,000	\$20,000	\$0 \$0	\$40,00 \$160,00		
Total		φου,υυυ	ΦΟ Υ,ΟΟΟ	φu	¢ 100,00		

Project No. N888	Study - Hai	nes City Reclai	imed Water M	MFL Recharg	e & Advanced Treatm	ent Feasibility	
Haines City							
Risk Level:	Туре 2	Type 2 Multi-Year Contract: Yes, Year 2 of 2					
			Descri	ption			
Description:	assist in m		n Flows and L	evels (MFLs)	nents and advanced t on Lake Eva in the "F	•)
Measurable Benefit:		actual Measurab water recharge				e MFL benefits of	
Costs:	Haines Cit		REDI): \$75,00		lgeted in FY2018 and	\$112,500 is requeste	d
			Evalua	ation			
Application Quality:	High	Application incl	luded all the i	required infor	mation identified in the	CFI Guidelines.	
Project Benefit:	High		of reclaimed v	water recharg	ial sites, components, e options to assist in r /I.		
Cost Effectiveness:	High	The project cos projects.	sts are consis	stent with the	range of costs for simi	larly funded District	
Past Performance:	High	Based on an as	ssessment of	f the schedule	and budget for the 2	ongoing projects.	
Complementary Efforts:	High	rate structures	for high volu cies which ma	me water use	ludes metering and inc rs and has proactive r tion, water resource b	eclaimed water	
Project Readiness:	High	Project is ongoi	ing and on so	chedule.			
			Strategic	: Goals			
Strategic Goals:	Als: High Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems Heartland Region Priority: Improve Ridge Lakes, Winter Haven Chain of Lakes ar Peace Creek Canal.						
Fund as 1A Priority.	reclaimed Eva in the REDI com	Overall Ranking and Recommendation This ongoing project is recommended for funding as it will develop a feasibility study of reclaimed water recharge options, which if constructed would assist in meeting MFLs on Lake Eva in the "Ridge Lakes" area of the CFWI. Haines City qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.					
			Fund				
Funding Source	Р	rior	FY20 ²		Future	Total	
Haines City (REDI)		\$37,500		\$37,500		\$0	\$75,000
District		\$112,500		\$112,500			\$225,000
Total		\$150,000		\$150,000		\$O	\$300,000

Project No. N917	WMP - Frostproo	f Watershed Management Plan					
Frostproof				FY201			
Risk Level:	Туре 3	Multi-Year Yes, Year 2					
		Description					
Description:	Frostproof. FY20 Resource Assess alternative analys	Complete a Watershed Management Plan (WMP) for the Frostproof Watershed in the City of Frostproof. FY2019 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 City requested to be in the lead role for this project and will be responsible for retaining a consultant to perform project tasks.					
Measurable Benefit:		Measurable Benefit will be the con tion that is critical to better identify					
Costs:	Total project cost City of Frostproo	\$120,000 f (25% REDI): \$30,000					
	District: \$90,000	with \$45,000 budgeted in previous	years, and \$45,000 requ	lested in FY2019.			
		Evaluation					
Application Quality:	÷	cation included all the required info					
Project Benefit:	analy	VMP will analyze flooding problems sis models are not available or are nal or intermediate stormwater syst	over 10 years old, and th				
Cost Effectiveness:	•	ct cost per square mile is in the low s completed in urban watersheds.	/ range for costs (\$30,000)/sq mi or less) for			
Past Performance:	high.	d on the cooperator having no ong					
Complementary Efforts:	Low Coop	erator is not participating in the Co	mmunity Rating System p	program.			
Project Readiness:	High The p	roject is ongoing and on schedule.					
		Strategic Goals					
Strategic Goals:	analy supp Strat inforr						
		Overall Ranking and Recommen					
Fund as 1A Priority.	ty. 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. Frostproof qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy 130-4, the Board can reduce the requirements for matching funds for REDI communities.						
		Funding					
Funding Source	Prior	FY2019	Future	Total			
District	9	45,000 \$45,000	\$0				
Frostproof (REDI)		15,000 \$15,000	\$0				
Total		\$60,000 \$60,000	\$0	\$120,00			

Project No. N930	SW IMP - V	Vater Quality - Lak	e Verona Stormwater Ro	etrofit Project		
Avon Park					FY2019	
Risk Level:	Туре 3		Multi-Year Co Yes, Year 2 of			
	-		Description			
Description:	Design, pe	ermitting, and const	truction of stormwater ret	rofit BMPs in the City o	f Avon Park to	
	improve w	ater quality dischar	ging to Lake Verona, a L	ake Wales Ridge Lake.	and Heartland	
	Region pr					
Measurable Benefit:			Benefit will be the constru			
		-	ng to Lake Verona. There	e will be no monitoring	or performance	
Costs:		uirements.	(Design, permitting, cons	struction)		
00313.	-	on Park (25% REDI				
	-		00 budgeted in FY2018	and \$241,841 requeste	d in FY2019.	
			Evaluation			
Application Quality:	Medium		ed most of the required in		-	
		District PM/CM had to work with the cooperator to obtain remaining required				
Drainat Danafity	Lliab	information.	nofit of this water quality	project is the reduction	of pollutant loads to	
Project Benefit:	nigri		nefit of this water quality n estimated 113 lb/year ⊺		•	
Cost Effectiveness:	Medium		st/lb of TN and TSS remo			
			12/lb TSS, and the cost/a		-	
			e treated for Urban/Subu	-	-	
Past Performance:	High		essment of the schedule a	-		
Complementary Efforts:	Medium	-	eet sweeper program, a		e program and an	
Ducia et Da adius es e	Llink		ampaign on stormwater.			
Project Readiness:	HIGH		ect is on time and budget			
Strategic Goals:	High	Stratagia Initiati	Strategic Goals /e - Water Quality Mainte	ananaa and Improvem	ent: Davalan	
Strategic Goals.	riigii	-	ograms, projects and reg	-	-	
		quality.				
			n Priority: Improve Ridge	e Lakes, Winter Haven	Chain of Lakes and	
		Peace Creek Car				
			nking and Recommenda			
Fund as 1A Priority.	Ű		fied in the District funded	-		
		-	e analysis and Conceptu		-	
water quality discharging to Lake Verona, a Lake Wales Ridge Lake and Heartland Region Priority. The City of Avon Park qualifies for a 75% cost share as a REDI community as def						
	-	•	trict Policy 130-4, the Bo		-	
	matching	funds for REDI com				
			Funding			
Funding Source	Р	rior	FY2019	Future	Total	
District		\$75,000	\$241,841	\$0		
Avon Park (REDI)		\$25,000	\$80,614	\$0		
Total		\$100,000	\$322,455	\$0	\$422,455	

Project No. N933	Restoration - Crooked Lake West Wetland					
Polk County					FY2019	
Risk Level:	Туре 3		Multi-Year Co	ntract:		
			Yes, Year 2 of	2		
			Description			
Description:	• •	ermitting, and co es Region of Po	nstruction of freshwater wet lk County.	lands adjacent to Crool	ked Lake in the	
Measurable Benefit:	The contra	actual Measurab	le Benefit is the restoration a	and enhancement of 90	00 acres of	
	freshwate	r wetlands adjac	ent to Crooked Lake.			
Costs:	•		00 (Design, permitting and co	onstruction)		
		ity: \$400,000				
	District: \$4	100,000, with \$1	00,000 budgeted in FY18 ar	nd \$300,000 requested	in FY19.	
			Evaluation			
Application Quality:	-		uded all the required information		-	
Project Benefit:	High		he project is the restoration			
			vater wetlands adjacent to C	rooked Lake, a Lake W	lales Ridge Lake and	
		Heartland Regi				
Cost Effectiveness:	High	of \$53,326/acre	cost/acre of natural systems	s restoration is below th	e historical average	
Past Performance:	High	. ,	es ssessment of the schedule a	and hudget for the 8 on	aoina projects	
Complementary Efforts:			an active stormwater utility th	-		
Project Readiness:	-		ing and on schedule and bu			
Project Reduitiess.	nign	Project is ongo	<u> </u>	luget.		
	1.1. 1		Strategic Goals			
Strategic Goals:	High		ative - Conservation and Re			
		restoration.	ly sensitive ecosystems and	i implement plans for pr	otection or	
			gion Priority: Improve Ridge	Lakaa Wintar Havan	Chain of Lakas and	
		Peace Creek (e Lakes, winter naven	Chain of Lakes and	
			Ranking and Recommenda	ation		
Fund as 1A Priority.	This ongo		estore and enhance natural		ooked Lake, a	
	0	• • •	nd HeartInd Region Priority.			
		<u> </u>	Funding			
Funding Source	Р	rior	FY2019	Future	Total	
Polk County		\$100,000	\$300,000	\$0	\$400,000	
District		\$100,000	\$300,000	\$0	\$400,000	
Total		\$200,000	\$600,000	\$0	\$800,000	

Project No. N940	SW IMP - V	Vater Quality -	Lake Hunter BMP Project			
City of Lakeland						
Risk Level:	Туре 3		Multi-Year (Contract:		
	Yes, Year 2 of 2					
			Description			
Description:	Design, pe	ermitting and c	onstruction of stormwater B	MPs for untreated runoff	discharging to Lake	
	Hunter, a	FDEP impaired	d waterbody, located in the	City of Lakeland.		
Measurable Benefit:	The contra	actual Measura	able Benefit will be the cons	struction of stormwater BM	MPs to treat runoff	
	from a 84	acre urbanized	d watershed. There will be r	no monitoring or performa	ance testing	
	requireme					
Costs:			980 (Design, permitting and	l construction)		
	•	keland: \$466,9			ented in FV40	
	District sh	are: \$466,990,	with \$74,125 budgeted in I Evaluation	- 1 18 and \$392,865 reque		
Application Quality	High	Application in		formation identified in the		
Application Quality:			cluded all of the required in			
Project Benefit:	High					
		Lake Hunter, a FDEP impaired waterbody, by an estimated 272 lbs/yr of TN, 53 lbs/yr of TP and 5960 lbs/yr of TSS.				
Cost Effectiveness:	Medium		d cost/lb of TN removed is I	helow the historical avera	ides of \$224/lb the	
OUSt Enectiveness.	Medium		st/lb of TP removed is below		•	
			st/lb of TSS removed is below			
			ated is above the historical a	•		
			an water quality projects.	0		
Past Performance:	High	Based on the	cooperator having no ongo	oing projects with the Dist	rict they are ranked	
	-	high.				
Complementary Efforts:	High	The City has	an active stormwater utility	that collects fees.		
Project Readiness:	High	Project is ong	joing and on schedule.			
			Strategic Goals			
Strategic Goals:	Medium	Strategic Ini	tiative - Water Quality Mai	ntenance and Improvem	ent: Develop	
		and impleme	ent programs, projects and r	egulations to maintain ar	nd improve water	
		quality.				
		<u>Overal</u>	I Ranking and Recommen	dation		
Fund as 1A Priority.	This ongo		improve water quality disch		FDEP impaired	
	waterbody					
			Funding			
Funding Source	Р	rior	FY2019	Future	Total	
City of Lakeland		\$74,125	\$392,865	\$0	\$466,990	
District		\$74,125	\$392,865	\$0	\$466,990	
Total		\$148,250	\$785,730	\$0	\$933,980	

Project No. N948	Conservat	ion- Polk Region	al Water Cooper	ative Indoor Water C	onservation Ince	entives
PRWC						FY201
Risk Level:	Type 1		Mult	i-Year Contract: No		
			Description			
Description:	Financial	ncentives to resid	lential customers	for the replacement of	of conventional to	ilets with
	-	•		er flush or less and to		
				ultra-low flow toilets th	-	
			-	vith Polk Regional Wa	-	
	•			le rebates for the repl		•
	-			ately 2,400 conservat		
		the success of the		ded are program pror	notion and surve	s necessary
Measurable Benefit:				ontractual requiremen	t will be impleme	ntation of the
		and the completior				
Costs:		ect cost: \$156,000				
	PRWC co	st: \$78,000;				
	District: \$	78,000.				
		1	Evaluation			
Application Quality:	Medium	1		equired information id		•
	11.1			cooperator to obtain r	<u> </u>	
Project Benefit:	High			onservation of approx		
		Initiative (CFWI)		on Area (SWUCA) an	d the Central Flor	
Cost Effectiveness:	High	· · · · · · · · · · · · · · · · · · ·		w \$3.00 per thousand	gallons saved.	
Past Performance:	<u> </u>			schedule and budget	-	jects.
Complementary Efforts:				orts water conservat		
	U	governments.	•		-	
Project Readiness:	High	Project is ready	to begin on or be	fore December 1, 20	18.	
			Strategic Goa	ls		
Strategic Goals:	High	Strategic Initiat	trategic Initiative - Conservation: Enhance efficiencies in all water-use sectors.			
		Heartland Regi	on Priority: Impl	ement Southern Wate	er Use Caution Ar	ea (SWUCA)
		Recovery Strate				, ,
		Overall R	anking and Rec			
Fund as High Priority.	Project w	ll conserve potabl		the SWUCA and CF	WI and is cost eff	ective.
			Funding			
Funding Source	P	rior	FY2019	Futur		Total
District		\$0		78,000	\$0	\$78,00
PRWC		\$0		78,000	\$0	\$78,00
Total		\$0	\$1	56,000	\$0	\$156,00

Project No. N962	WMP - Dave	nport Watershed M	anagement Plan			
Davenport					FY2019	
Risk Level:	Type 4		Multi-Year Co	ntract:		
			Yes, Year 1 of	2		
			Description			
Description:	Complete a	Watershed Manage	ment Plan (WMP) for	the Davenport Watershe	ed in the City of	
	Davenport.	FY2019 funding will	be used to complete V	Vatershed Evaluation ta	asks through the	
			-	e funding will be needed	-	
		•		t, Level of Service dete		
				District will be in the lea		
				to perform project tasks		
Measurable Benefit:				atershed model and floo		
			ter identify risk of flood	damage and cost effect	tive alternatives .	
Costs:		t cost \$150,000				
	-	enport \$75,000	evented in EV2010 en	d ¢27 500 antisinated t	a ha waxwaatad in	
	future years		quested in F12019 an	d \$37,500 anticipated to	b be requested in	
	iuluie years).	Evaluation			
Application Quality:	High A	Application included		ation in the CFI Guidelii	nes	
Project Benefit:				nat exist in the watershe		
Project Benefit.	-	•	•.	er 10 years old, and the		
		•	iate stormwater system	•		
Cost Effectiveness:				ange for costs (\$30,000/	(sa mi or less) for	
		WMPs completed in				
Past Performance:				g projects with the Distr	ict they are ranked	
		nigh.	<u> </u>	51	·····, · · · · · · · · · · · · · · · ·	
Complementary Efforts:	Low (Cooperator is not pa	rticipating in the Comr	nunity Rating System pi	rogram.	
Project Readiness:	High F	Project is ready to b	egin on or before Dece	ember 1, 2018.		
	<u> </u>	S	trategic Goals			
Strategic Goals:	High	Strategic Initiative	- Water Quality Asses	sment and Planning: (Collect and	
	analyze data to determine local and regional water quality status and trends to					
		support resource m	anagement decisions a	and restoration initiative	S.	
	Strategic Initiative - Floodplain Management: Develop better floodplain					
			•	agement programs to m	naintain storage and	
		conveyance and to	minimize flood damage	9.		
			ing and Recommenda			
Fund as High Priority.				ailed study information a		
	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					
			water quality, and enh	ance the planning of ful	ture development in	
	the project a		Funding			
Funding Source	Prie	or	FY2019	Future	Total	
District		\$0	\$37,500	\$37,500	\$75,000	
		\$0	\$37,500	\$37,500	\$75,000	
Davenport						

Project No. N971		-	er Cooperative Ou	tdoor Water Conservat			
PRWC Risk Level:	Management Practices FY Type 1 Multi-Year Contract: No						
RISK Level:	турет	D		ontract: NO			
Descriptions	Financiali		escription	ere for the real correct.			
Description:				ers for the replacement of the second s			
	irrigation and landscape components. Several local utilites are collaborating with PRWC to implement the project. Approximately 7 Florida Friendly Landscape Rebates of up to \$2,000 each will be distributed; this involves converting existing landscaped areas that are irrigated with						
			•	no irrigation or is irrigate	•		
	-	-		actual square footage of			
	-		•	n (ET) controllers will be	•		
	rebated; th	nis involves educating th	e homeowner on p	proper unit operation. Ap	proximately 400		
	wireless ra	ain sensors will be made	e available to home	owners. Approximately 3	300 irrigation		
			-	s; this involves providing			
				doors through Florida Fr			
				ent practices as well as			
				ctioning device. Also inc			
		e success of the program		evaluations and survey	s necessary to		
Measurable Benefit:				ntation of the program ar	nd the completion of		
	The contractual Measurable Benefit will be implementation of the program and the completion of a final report.						
Costs:	Total Project cost: \$192,500;						
	PRWC cost: \$96,250;						
	District: \$9						
	NA 11		valuation	information identified in	the OEL swidelines		
Application Quality:	Medium		-	information identified in	-		
Project Benefit:	High			or to obtain remaining re ion of approximately 11			
Project Denent.	riigii			(SWUCA) and the Centr			
		Initiative (CFWI).					
Cost Effectiveness:	High		ess is below \$3.00	per thousand gallons sa	ved.		
Past Performance:	High	Based on the assessm	ent of the schedule	e and budget for 4 ongoi	ng projects.		
Complementary Efforts:	High	The PRWC encourage	s and supports wat	ter conservation amongs	st its member		
		governments.					
Project Readiness:	High	Project is ready to begin		cember 1, 2018.			
		1	tegic Goals				
Strategic Goals:	High	Strategic Initiative - C	Conservation: Enha	ance efficiencies in all w	ater-use sectors.		
			ority: Implement S	outhern Water Use Caul	tion Area (SWUCA)		
		Recovery Strategy.					
Fund as High Priority	Project wi		g and Recommend	lation UCA and CFWI and is c	ost effective		
T und as Flight Honty.	Project wi		Funding		ost effective.		
Funding Source	P		FY2019	Future	Total		
District		\$0	\$96,250	\$0			
PRWC		\$0	\$96,250	\$0			
Total		\$0	\$192,500	\$0			

Project No. Q022	Reclaimed	Water-Bowling Green Mo	saic Mine Rec	laimed Water Transmiss	ion Project			
Bowling Green					FY2019			
Risk Level:	Type 2		Multi-Year	Contract: No				
		Des	cription					
Description:	Constructi	Construction of approximately 15,000 feet of reclaimed water transmission mains and other						
	necessary	necessary appurtenances to tie into Wauchula's existing reclaimed water system to provide						
	additional	dditional reclaimed water to the Mosaic South Pasture Mine in Northeast Hardee County.						
Measurable Benefit:	The Meas	urable Benefit, which will b	e the contractu	al requirement, is the sup	oply and utilization			
	-	d of reclaimed water for ir	idustrial use in	the Southern Water Use	Caution Area			
	(SWUCA)							
Costs:		ect cost: \$1,111,000 (Consi						
	-	wling Green share (25% R						
	District sh	are: \$833,250 all of which	is requested in luation					
Application Quality:	High	Application included the r		ation identified in the CEL	quidelines			
	-		-		-			
Project Benefit:	High		•	reclaimed water to an ind	lustrial customer for			
Cost Effectiveness:	High	an anticipated 0.14 mgd (\$7.94 per gallon per day			\$15 per gallon			
COSt Effectiveness.	riigii	average for alternative su	•					
		-			-			
		thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of \$0.15/1,000 gallons for golf course						
		projects up to \$10.00/1,000 gallons for residential projects.						
Past Performance:	High							
		high.						
Complementary Efforts:	High	-	-	n will include metering and				
		reuse rate structures for t	he industrial us	ser and the City has pro-a	ctive water			
		conservation policies.						
Project Readiness:	High	Project is ready to begin		ecember 1, 2018.				
			gic Goals					
Strategic Goals:	High	-		Maximize beneficial use				
				nd restore water levels ar	-			
		Heartland Region Priority: Implement Southern Water Use Caution Area (SWUCA)						
		Recovery Strategy.		detion				
Fund as High Priority	The project	Overall Ranking a						
Fullu as high Fholity.		ct is recommended for fund future City reclaimed wate	-					
		-		-	-			
	on traditional water sources in the SWUCA and is cost effective. Bowling Green qualifies for a 75% cost share as a REDI community as defined by Florida Statute. Under District Policy							
		Board can reduce the req	-	-	-			
			nding					
Funding Source	Р		2019	Future	Total			
District		\$0	\$833,250					
Bowling Green (REDI)		\$0	\$277,750		\$277,750			
Total		\$0	\$1,111,000		· · · · · · · · · · · · · · · · · · ·			

Project No. Q023	Study-Poll	Regional Wa	ter Cooperativ	ve Water Den	nand Management Plan			
PRWC	-	F						
Risk Level:	Type 1	Type 1 Multi-Year Contract:						
				Yes, Year 1	of 2			
		Description						
Description:	Developm	Development of a Demand Management Plan (DMP) for PRWC and PRWC utilities. The DMP						
	will assess	s available wat	ter conservatio	n potential ar	nd articulate a long-term (water conservation)		
		•	•	•.	for PRWC. In addition, it	•		
					n expensive Alternative W			
					g supplies via conservatio			
				Il be the com	oletion of the Demand Ma	anagement Plan.		
Costs:	-	ect cost: \$340,	000					
		st: \$170,000						
			85,000 reques	sted in FY201	9, and \$85,000 anticipate	d to be requested in	1	
	future yea	rs	Evalu	ation				
Application Quality	High	Application in			mation identified in the C	El Cuidelines		
Application Quality:								
Project Benefit:	High			-	increase in conservation			
		Water Use Caution Area (SWUCA). More accurate conservation potential estimates and conservation implementation planning provides greater reliability of future						
		conservation activities and are important in determining the scale and timing of future AWS projects.						
Cost Effectiveness:	Medium			consistent wit	h similar regional plannin	g efforts.		
Past Performance:	High				e and budget for the 4 or			
Complementary Efforts:	<u> </u>				ater conservation amongs	* * *		
· · · · · · · · · · · · · · · · · · ·	5	governments	-					
Project Readiness:	High	Project is rea	dy to begin on	or before De	cember 1, 2018			
			Strategi					
Strategic Goals:	High	Strategic Ini	itiative - Regio	onal Water Su	upply Planning: Identify,	communicate		
-	Ū	-	-		es and resources necessa			
		reasonable a	and beneficial	water supply	needs.			
		Strategic Initiative - Conservation: Enhance efficiencies in all water-use sectors.						
		Heartland R	egion Priority	: Implement S	Southern Water Use Caut	ion Area (SWUCA)		
	Recovery Strategy.							
			II Ranking and					
Fund as High Priority.							9	
and implementing conservation projects.								
E-mailine O	_		Func		E.A.	- 4 1		
Funding Source	P	rior	FY20		Future	Total		
District		\$0		\$85,000	\$85,000		\$170,000	
PRWC		\$0 \$0		\$85,000	\$85,000 \$170,000		\$170,000	
Total		\$0		\$170,000	\$170,000		\$340,000	

Project No. W772	SW IMP - V	Vater Quality - Win	ter Haven Ridge Imple	mentation of Stormwate	er BMPs			
Winter Haven					FY2019			
Risk Level:	Туре 3	Type 3 Multi-Year Contract: Yes, 1 of 2						
	-	Description						
Description:	and park a	Design, permitting, and construction of stormwater LID BMPs within the urban public right-of-way and park areas in the City of Winter Haven to reduce nutrient loads into the Winter Haven Chain of Lakes, a SWIM priority waterbody.						
Measurable Benefit:	The contra stormwate watershee	actual Measurable I er LID BMPs to trea I. Construction will I	Benefit will be the desig t stormwater runoff from	n, permitting, and constr n an approximately 4.5 a with the permitted plans.	cre urbanized			
Costs:	City of Wi	nter Haven: \$120,0 120,000, with \$60,0		struction) and \$60,000 anticipated	d to be requested in			
			Evaluation					
Application Quality:	Medium	Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.						
Project Benefit:	High	The Resource Benefit is the reduction of pollutant loads and suspended solids into the lakes of the Winter Haven Chain of Lakes, a SWIM priority water body, by an estimated 2,000 lbs/yr TSS.						
Cost Effectiveness:	Medium	The estimated cost of TSS is below the historical average of \$20/lb and the cost/acre treated is above the historical average of \$46,947/acre treated for LID water quality projects.						
Past Performance:	Medium		ssment of the schedule	and budget for the 3 on	going project.			
Complementary Efforts:	High		ctive stormwater utility t					
Project Readiness:		Project is ready to	begin on or before Dec	cember 1, 2018.				
			Strategic Goals					
Strategic Goals:	High							
		Overall Rai	nking and Recommend	lation				
Fund as High Priority.	This proje priority wa		er quality discharging to	the Winter Haven Chain	of Lakes, a SWIM			
		· · · · · · · · · · · · · · · · · · ·	Funding					
Funding Source	Р	rior	FY2019	Future	Total			
Winter Haven		\$0	\$60,000	\$60,000	\$120,000			
District		\$0	\$60,000	\$60,000	\$120,000			
Total		\$0	\$120,000	\$120,000	\$240,000			

Project No. N898			eclaimed Water Tank a	nd Pump Station Project	, Final		
Haines City	Design and	d Construction			FY2019		
Risk Level:	Type 2		Multi-Year Con	tract:			
		Yes, Year 2 of 4					
			Description				
Description:	Final desig	n, permitting and con	struction of a transfer p	ump station, a storage tan	ık, a high		
	service pump station, a booster station, associated yard piping, electrical modifications,						
	instrumen	ation, controls, and of	ther necessary appurter	ances. Funding was appr	oved in FY18		
				red a third-party review b			
			-	on dollars. The FY19 fund	ding request is		
		e design and begin co					
Measurable Benefit:				itting, and construction of			
		-		to existing and future cust			
	-			e (CFWI). Construction w	ill be done in		
0		e with the permitted p		Denne ittingen and Oracet	······································		
Costs:		•	• • •	ew, Permitting and Const	ruction)		
		y share (25% REDI):		evious years, \$1,125,000	requested in		
			ated to be requested in pr	- - - - - - - - - -	requested in		
	FT 2019 a	nu \$3,270,000 anticip	Evaluation	luture years			
Application Quality:	Medium	Application included		ormation identified in the (CEL quidelines		
Application Quality.	Wealan			tor to obtain the remainin	-		
		information.			grequied		
Project Benefit:	Medium		oiect if constructed wo	uld be the improvement o	f reclaimed water		
r toject Benefit.	moulain	-	future reclaimed water	-			
Cost Effectiveness:	Medium			ange of costs for infrastruc	ture in similar		
			• •	-			
Past Performance:	District funded reclaimed water storage and pumping projects. High Based on an assessment of the schedule and budget for the 2 ongoing projects.						
Complementary Efforts:	High			es metering and incentive			
	-	rate structures for high	gh volume water users a	and has pro-active reclaim	ied water		
		expansion policies w	hich maximize utilization	n, water resource benefits	, and		
		environmental benef	its.				
Project Readiness:	High	Project is ongoing ar	nd on schedule.				
		St	rategic Goals				
Strategic Goals:	High	Strategic Initiative	- Reclaimed Water: Max	kimize beneficial use of re	claimed		
		water to offset potab	ole water supplies and re	estore water levels and na	itural systems.		
		Heartland Region F	Priority: Improve Ridge I	_akes, Winter Haven Cha	in of Lakes and		
		Peace Creek Canal.					
		Overall Ranki	ng and Recommendati	on			
Fund as Medium Priority.			•	third-party review by Sep			
		• •		oval to proceed beyond thi			
		-		eview, and with the unders	-		
	Governing Board will need to provide approval to proceed, Staff is recommending FY19 fund						
		-		structed, this project will i			
	-			system expansions. Hair	-		
	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						
		-	can reduce the requiren	nents for matching funds f	OF REDI		
	communit	es.	Funding				
Eunding Source		rior	Funding FY2019	Euturo	Total		
Funding Source	<u>Р</u>	rior \$75,000		Future \$1,090,000	Total		
Haines City (REDI)		\$75,000	\$375,000		\$1,540,000		
District		\$225,000	\$1,125,000	\$3,270,000 \$4,360,000	\$4,620,000		
Total		\$300,000	\$1,500,000	\$4,300,000	\$6,160,000		

Project No. N899 Polk County	Study-Polk Polk Areas	-	Recharge Study in Dov	er/Plant City WUCA &	Northwest FY201		
Risk Level:	Type 2		Multi-Year Con	tract:			
			Yes, Year 2 of 3	}			
			Description				
Description:	study to de solutions a (NWRUSA) water to re potentially and/or aqu	etermine whether india are viable options to s water supplies. The charge the Upper Flo enhance water suppl ifer recharge testing coring, aquifer perform	going (initially approved rect aquifer recharge wi upplement Polk County project will include a fie oridan Aquifer which will ies from an existing well to investigate enhanced nance testing, groundwa	th reclaimed water or r s Northwest Regional eld scale investigation of augment groundwater field. The project will in recharge, recharge ar	on-traditional reuse Utility Service Area of using reclaimed supplies and nclude pilot testing nd monitoring wells,		
Measurable Benefit:			nefit will include the cor	npletion of a field scale	feasibility study		
	by Polk Co reclaimed	ounty to develop a rec water for aquifer rech	claimed water project co arge or to supplement of permitting of the selected	ncept to utilize up to 1 proundwater supplies in	5 mgd of		
Costs:			easibility study, field-so		esting);		
			250,000 budgeted in FY	-	sted in FY2019;		
		-	e requested in future ye	ars.			
		ty share: \$594,500.	have been revised to \$	1 189 000 from an orig	inal cost estimate		
			this cost increase includ	-			
			ot study based on FDEI				
	scope of v	scope of water quality sampling to provide the data for potential permitting requirements.					
			Evaluation				
Application Quality:	-		the required information				
Project Benefit:	High		s the completion of a fie	-			
			ect concept to utilize up ement groundwater sup	-	-		
Cost Effectiveness:	Medium		stent with the range of c				
		-	t potable reuse pilot stu		ect will be ranked		
			n a "1A" due to an 18.99		· · · ·		
Past Performance:	<u> </u>		ment of schedule and b		-		
Complementary Efforts:	High		med water system inclue gh volume water users a				
			hich maximize utilizatio	•			
		environmental benef		•			
Project Readiness:	High	Project is ongoing ar	nd on schedule.				
		Si	trategic Goals				
Strategic Goals:	High	alternative sources Strategic Initiative water to offset potab	- Alternative Water Sup of water to ensure groun - Reclaimed Water: Ma ble water supplies and r Priority: Implement Sou	ndwater and surface wa ximize beneficial use o estore water levels and	ater sustainability. f reclaimed I natural systems .		
			ing and Recommendat				
Fund as Medium Priority.	County to groundwa	develop a reclaimed ter supplies in the CF	r funding, as it provides water project concept fo WI region. This project se in costs for the currer	r aquifer recharge or to will be ranked as a "Me	o supplement		
E	_		Funding	E.4	- - -		
Funding Source	<u>Р</u>	rior \$250,000	FY2019	Future	Total \$504.50		
Polk County		\$250,000	\$250,000	\$94,500	\$594,50		
District		\$250,000	\$250,000	\$94,500	\$594,50		

Project No. N973	Conservat	ion- Winter Haven C	onsumption and Conse	ervation Programs Dat	ta		
Winter Haven		ent Software				FY2019	
Risk Level:	Type 1		Multi-Year Cor	ntract:			
			Yes, Year 1 of 2	2			
			Description				
Description:	Implementation of a software program that will promote and encourage water conservation by						
	utility customers. This project will allow software platform setup, including a utility side						
		-	available for 19,000 cus				
	•	•	infrastructure (AMI) is in	•	•		
	-		II: provide a customer po				
		• •	ervation incentives and r				
			water use to neighbors (s				
			the issue on a daily basi		ers about		
Maasurahla Banefitu	<u> </u>		actual daily water usage		d the completion of		
	a final rep		enefit will be implementa	nion of the program and			
Coste		ect cost: \$120,000					
00313.			000				
	-	City of Winter Haven share: \$60,000 District: \$60,000 with \$30,000 requested in FY2019, and \$30,000 requested in future years.					
	Biotriot. W	,	Evaluation				
Application Quality:	Medium	Application included	d most of the required in	formation identified in t	he CFI guidelines.		
		District PM/CM had	to work with cooperator	to obtain remaining re-	quired information.		
Project Benefit:	High	The benefit of the p	roject is the conservatio	n of approximately 16,0	000 gallons per day		
			ter Use Caution Area (S	WUCA) and the Centra	I Florida Water		
		Initiative (CFWI).					
Cost Effectiveness:			eness is between \$3.00		•		
Past Performance:			ssment of the schedule a		going projects.		
Complementary Efforts:			ita is between 75 and 12				
Project Readiness:	Medium	Project is ready to b	begin on or before March	n 1, 2019			
			Strategic Goals				
Strategic Goals:	High	Strategic Initiative	- Conservation: Enhan	ce efficiencies in all wa	ter-use sectors.		
		Heartland Region Priority: Implement Southern Water Use Caution Area (SWUCA)					
		Recovery Strategy					
			king and Recommendat				
Fund as Medium Priority.	Project wi	Il conserve potable w	· · · ·	CA and CFWI and is co	st effective.		
			Funding				
Funding Source	P	rior	FY2019	Future	Total		
District		\$0	\$30,000	\$30,000		\$60,000	
Winter Haven		\$0	\$30,000	\$30,000		\$60,000	
Total		\$0	\$60,000	\$60,000	9	\$120,000	

Project No. N996	Conservat	ion-Town of La	ke Hamilton Distribution	System Looping				
Lake Hamilton	FY20 ⁴							
Risk Level:	Type 2	Type 2 Multi-Year Contract: No						
	Description							
Description:	associated supply sid	Design, permitting and construction of approximately 5,200 feet of new potable water lines and associated components necessary to eliminate dead ends. This is considered a utility-based supply side conservation project, and will reduce routine flushing in five areas by allowing potable water circulation throughout the system.						
Measurable Benefit:	approxima	ately 5,200 feet	which will be the contracture of new potable water lines ends. Construction will be	and associated compone	ents to eliminate			
Costs:	USDA Gra	ant: \$354,853 ake Hamilton (2	000 (Design, permitting, ar 5% REDI): \$41,537	nd construction)				
	· · ·	,	Evaluation					
Application Quality:	Medium		luded most of the required work with cooperator to c	•				
Project Benefit:	High	High The resource benefit is the conservation of approximately 19,554 gallons per day in the SWUCA and the CFWI.						
Cost Effectiveness:	Low	Low Project cost effectiveness is above \$6.01 per thousand gallons saved (\$6.43). In comparison to reclaimed water construction projects, cost-effectiveness is below the threshold of being highly cost-effective. (Transmissions/Interconnects - \$6.60 or less)						
Past Performance:	High							
Complementary Efforts:	Medium	The cooperato development.	r strongly discourages the	e creation of dead end wa	ter lines with new			
Project Readiness:	High	Project is read	y to begin on or before De	ecember 1, 2018.				
		r	Strategic Goals					
Strategic Goals:	High	Southern Reg Recovery Stra	a tive - Conservation : En gion Priority: Implement S ategy. Ranking and Recommer	Southern Water Use Caut				
Fund as Medium Priority.	This proje				own of Lake			
	This project will conserve potable water in the SWUCA and the CFWI. The town of Lake Hamilton's aging infrastructure requires staff to flush dead -end lines regularly to ensure water quality standards are met for their customers. Looping these dead-end lines will allow for an immediate reduction in flushing quantities for this REDI Community. This project will enhance system efficiency and promote conservation. Lake Hamilton 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	Р	rior	FY2019	Future	Total			
District		\$0	\$124,610					
Lake Hamilton (REDI)		\$0	\$41,537					
USDA		\$0 \$0	\$354,853					
Total		\$0 \$521,000 \$0 \$521,000						

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