

Springs Coast Management Committee

FY2021 FDEP Springs Funding Preliminary Evaluations and Rankings

December 11, 2019

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Process

Application

Preliminary Evaluation

Final Evaluation

FY2020 FDEP Springs Funding Application
This application should be completed and emailed with the appropriate calculations to debbie.siegel@dep.state.fl.us by 5:00PM, October 5, 2019.

Applicant Information
Entity Name: _____
Is the Entity designated as an economically disadvantaged community? ☐
Project Manager Name: _____
Project Manager Address: _____
Project Manager Phone Number: _____
Project Manager Email Address: _____

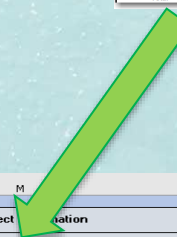
Project General Information
Project Name: _____
Project Number Selection: _____
Project District Selection: _____
Water Quality: _____
Water Quantity: _____
Land Acquisition: _____
Is this a multiyear project? ☐
If so, what phase is the project expected to cover? _____
Project Description (if this is a multiyear project, provide a description of the complete project (beginning to end) and a description explaining what phase will be covered by this funding request application). _____
What is the anticipated start date and end date for the work that will be conducted under this funding request? _____
If this is a multiyear request, provide the start and end date for each phase of the complete project. _____



Project No.:	APP14	Hernando Co Airport WWTF Full Expansion	FY2020	
Hernando County				
Project Type	Wastewater Collection & Treatment	Multiyear Contract	Yes	
Description:	Design, permitting and construction of a 2.5 MGD expansion of the County's Airport Wastewater Treatment Plant going from 3.5 MGD to 6.0 MGD. Funding is requested for plant expansion to accept flows from the pending decommissioning of Spring Hill WRF and upgrading to AWT is not included in this funding request.			
Costs:	Total project cost: \$28,000,000 (design, permitting, and construction) Hernando County share: \$10,500,000 in FY2020 and \$10,500,000 in future years District share: \$0 FDEP share: \$2,500,000 requested in FY2020 and \$2,500,000 requested in future years			
PROJECT INFORMATION				
Spring Information:	High	Weeki Wachee Springs is anticipated to receive the benefit from this project and is designated as an Outstanding Florida Spring. It is approximately 7 miles northwest from the project location. The project is located within the Weeki Wachee Springs BMAP boundary. It is located within the PFA boundary.		
Project Benefit:	High	The benefit of this project will be the reduction of pollutant loads by an estimated 14,145 lbs/yr TN.		
Cost Effectiveness:	High	The estimated cost for this project is \$1016 of TN.		
Related Strategies:	High	This project is listed in the Weeki Wachee Springs BMAP list of projects. The Weeki Wachee River has an existing MFL.		
Local Match:	High	Yes		
Project Readiness:	High	The project is anticipated to begin in 2019 and be completed in 2021		
OVERALL RANKING				
	High			
FUNDING				
Funding Source	Prior	FY2020	Future	Total
Hernando County	\$ -	\$ 10,500,000	\$ 10,500,000	\$ 21,000,000
District	\$ -	\$ -	\$ -	\$ -
FDEP	\$ -	\$ 2,500,000	\$ 2,500,000	\$ 5,000,000
Total	\$ -	\$ 13,000,000	\$ 13,000,000	\$ 26,000,000



Project No.:	APP14	Hernando Co Airport WWTF Full Expansion		FY2020
Hernando County				
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	DESCRIPTION			
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	PROJECT INFORMATION			
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Project Benefit:	High	The benefit of this project will be the reduction of pollutant loads by an estimated 14,145 lbs/yr TN.		
Cost Effectiveness:	High	The estimated cost for this project is \$816/lb of TN.		
Related Strategies:	High	This project is listed in the Weeki Wachee Springs BMAP list of projects. The Weeki Wachee River has an existing MFL.		
Local Match:	High	Yes		
Project Readiness:	High	The project is anticipated to begin in 2019 and be completed in 2021		
	OVERALL RANKING			
	High	This project is recommended to be forwarded to FDEP for FY2020 springs funding consideration.		
	FUNDING			
Funding Source	Prior	FY2020	Future	Total
Hernando County	\$ -	\$ 10,500,000	\$ 10,500,000	\$ 21,000,000
District	\$ -	\$ -	\$ -	\$ -
FDEP	\$ -	\$ 2,500,000	\$ 2,500,000	\$ 5,000,000
Total	\$ -	\$ 13,000,000	\$ 13,000,000	\$ 26,000,000

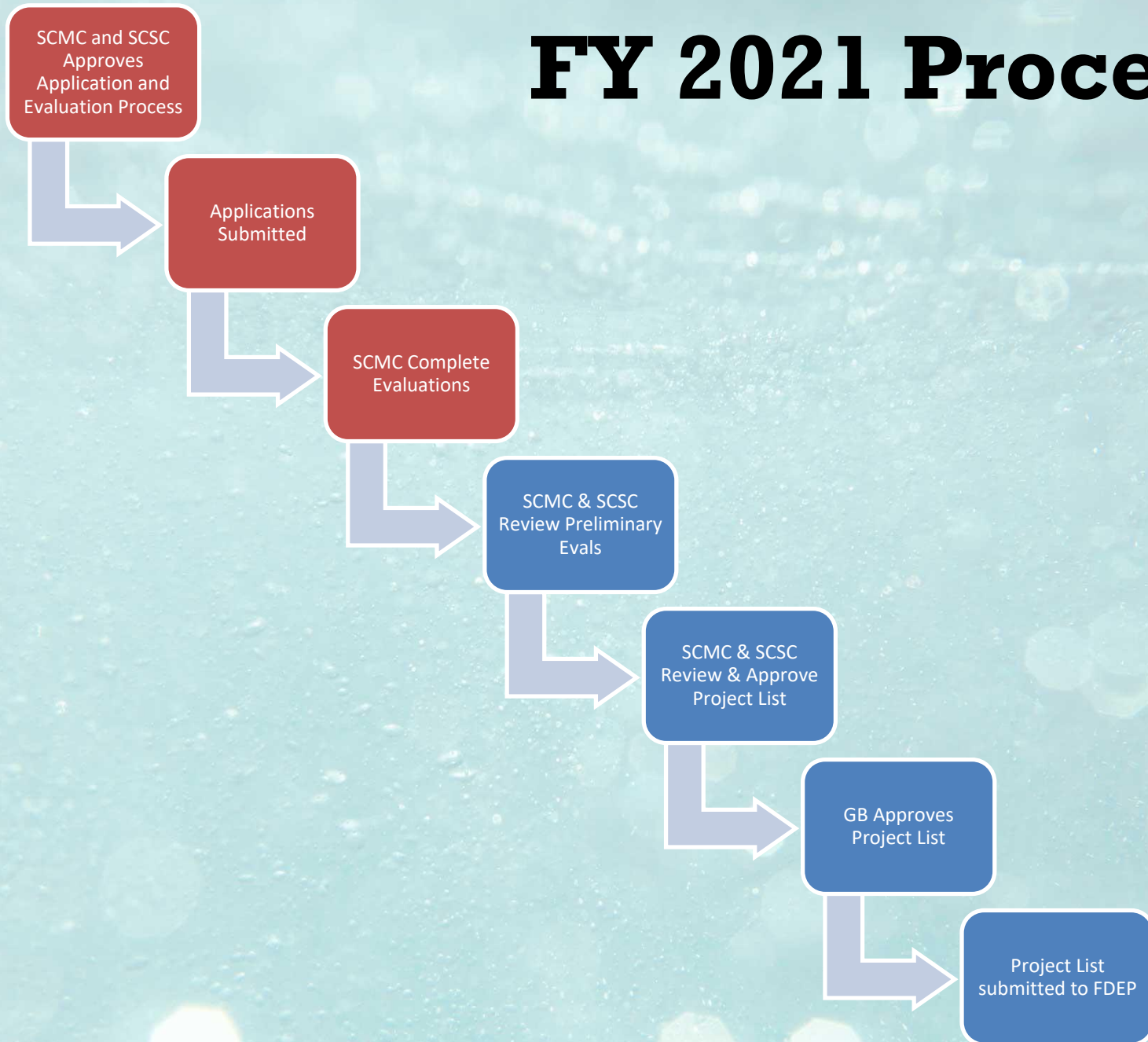


FDEP FINAL SUBMISSION

RECOMMENDED PROJECTS ONLY

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Funds in Specific Appropriation 1606 may be used for land acquisition to protect springs and for capital projects that protect the quality and quantity of water that flow from springs.																
I. Contact Information			II. Spring Information			III. Project Information						IV. Water Quality				
County	Lead Water Management District Name	Local Government	WMD Project Manager Name, Phone and Email	Spring Name	Does the Spring have an Impairment? If so, does it have a BMAP?	Does the Spring have an MFL, and, if so, is it in recovery or prevention?	Project Name	County	Project Location - Latitude of project	Project Location - Longitude of project	Project Type	Project description	Is the Project Listed in a BMAP (or Annual Update)?	Is the Project Listed in a Recovery/Prevention Strategy or Identified in a Regional Water Supply Plan as Benefiting an MFL?	Does this Project Have Water Quality Benefits?	N Reduced (lbs/yr)
37	Southwest	Citrus County	Josh Maden, 352-796-7211 x 4197, Josh.Madden@sfwmd.state.fl.us	Chassahowitzk a and Homosassa	BMAP or RAP	MFL - Meeting	Spring - Citrus County Old Homosassa West Septic to Sewer Project	Citrus	28.78266	-82.61637	Wastewater collection and treatment	The project is for the design, permitting, and construction of a regional wastewater collection system necessary for connection of existing residential homes in the Old Homosassa area of the Homosassa springshed. If constructed, a minimum of 95 existing septic systems will convert to County sanitary sewer.	Yes	No	Yes	907

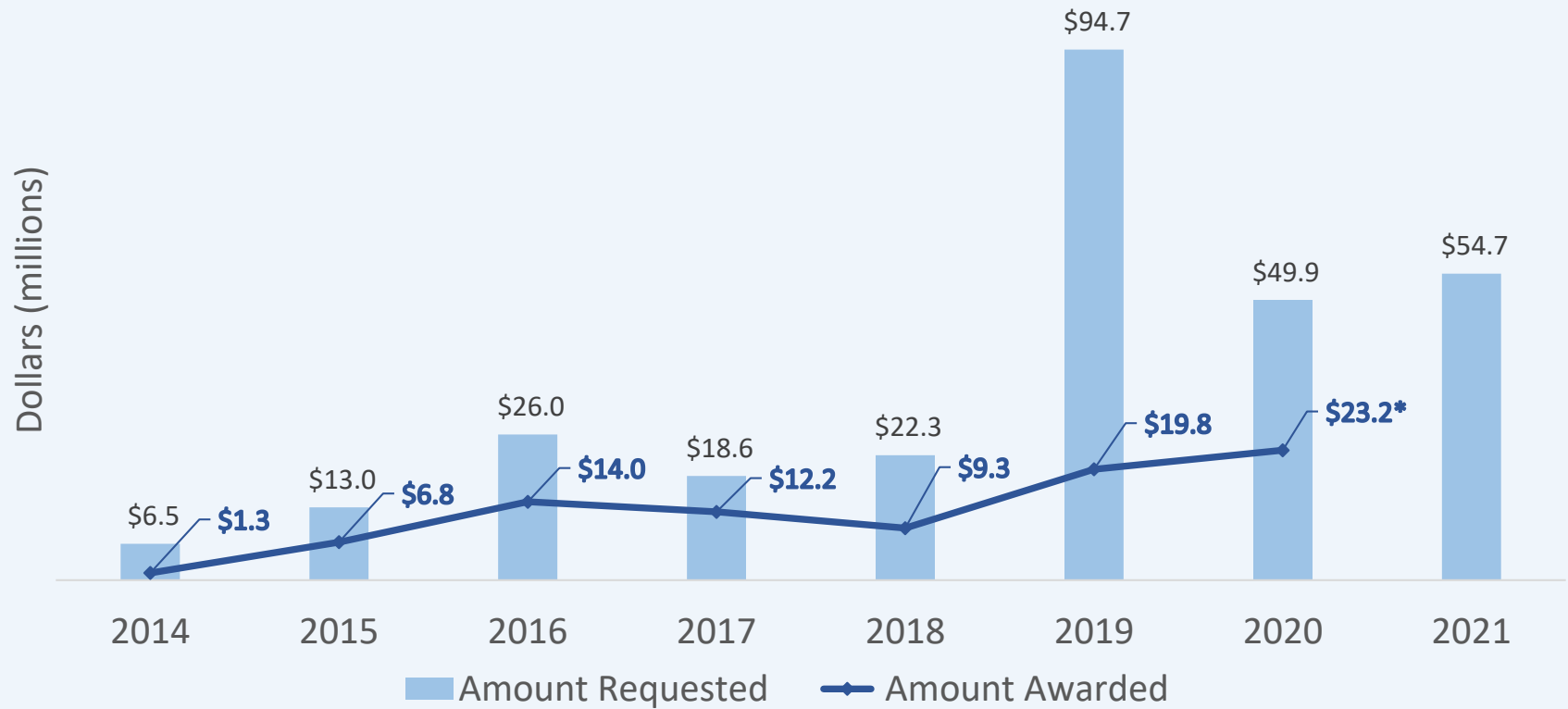
FY 2021 Process



FY2020 Springs Projects Selected for Funding

SCMC Ranking	Selected for Funding	Applicant	Project	BMAP	Nitrogen Reduction (lbs/yr)	Cost/lbs of TN
HIGH	✓	Hernando County	Airport WWTF Full Expansion	Weeki Wachee	14,145	\$ 61
HIGH		Hernando County	Airport WRF Total Nitrogen Reduction	Weeki Wachee	16,222	\$ 21
HIGH	✓	City of Ocala	Timberwood Sewer Expansion Project	Rainbow	2,058	\$ 62
HIGH	✓	FGUA	Chatmire Septic to Sewer Project	Rainbow	2,114	\$ 58
MEDIUM		FGUA	Rainbow River and Rio Vista Septic to Sewer Project	Rainbow	3,312	\$ 101
MEDIUM	✓	Citrus County	Homosassa Downtown East Septic to Sewer	Homosassa/ Chassahowitkza	1,909	\$ 262
MEDIUM	✓	City of Ocala	Foxwood Farms Water Quality Improvement Project	Rainbow	514	\$ 104
MEDIUM	✓	Marion County	Package Wastewater Plant Removal Program	Rainbow	1,098	\$ 95
MEDIUM	✓	City of Ocala	Fairfield Village Sewer Expansion Project	Rainbow	478	\$ 105
MEDIUM	✓	Marion County	US27/NW 70th Ave Septic to Sewer	Rainbow	382	\$ 49
MEDIUM	✓	Citrus County	Harbor Lights Plant Interconnection	Homosassa/ Chassahowitkza	138	\$ 138
MEDIUM		Marion County	Oak Bend I-75 Water Quality Improvement Project	Silver	766	\$ 135
MEDIUM		Marion County	NW Regional WWTF Expansion	Rainbow	1,774	\$ 289
LOW		Marion County	State Road 200 Septic to Sewer	Rainbow	336	\$ 394
LOW		FGUA	Burkitt Road Septic to Sewer Project	Rainbow	111	\$ 138

FDEP Springs Funding Summary for SWFWMD Region

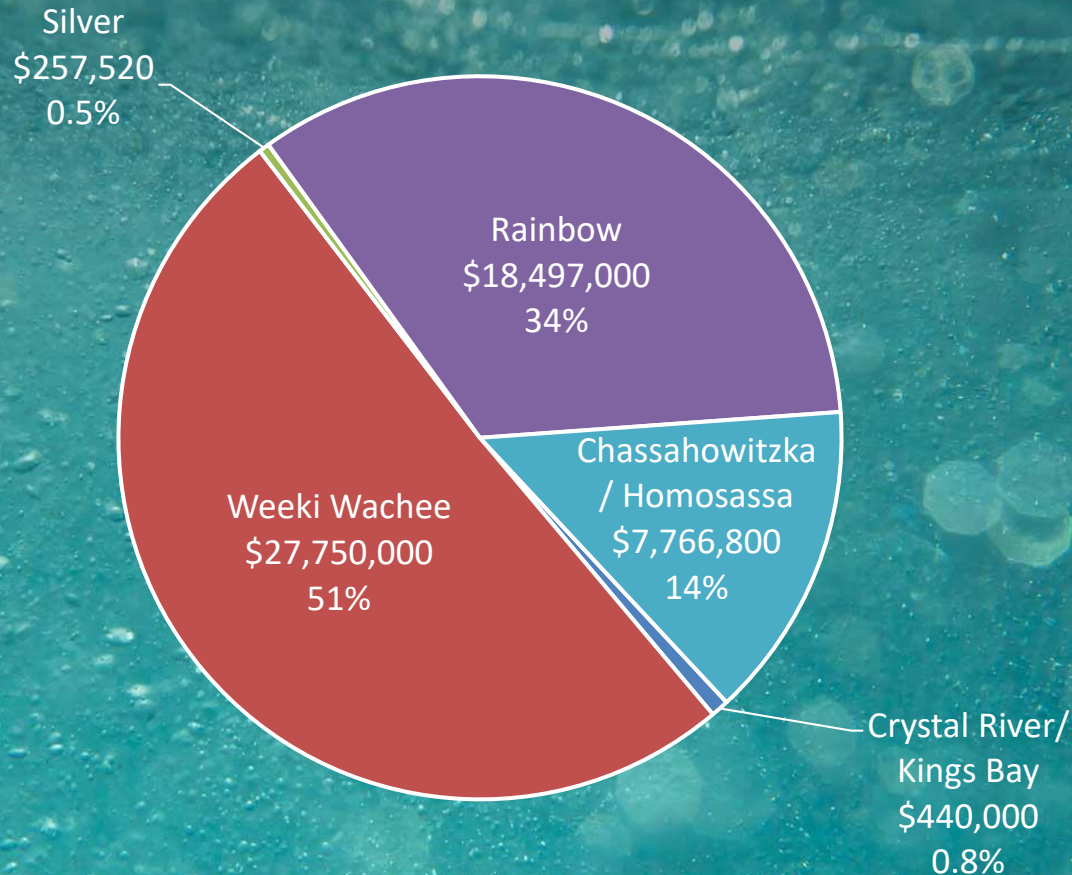


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FY21 FDEP Request Summary by BMAP



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Comparison

	Application	Preliminary Evaluation
Nitrogen Reduction (lbs/yr)	84,940	84,442
FDEP \$	\$51,286,320	\$54,711,320
Total Project Cost (FY20)	\$94,148,520	\$91,148,520

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Detailed FY2021 Timeline

	JUL '19	AUG '19	SEP '19	OCT '19	NOV '19	DEC '19	JAN '20
Important Dates		FY20 Project Selection Announced CFI Applications Available	Preapplication Meetings	CFI Applications Due Springs Funding Applications Due			
SCMC		Approve FY21 Funding Process & Meeting Dates		Raw Applications Presented		Preliminary Evals Review #1	Preliminary Evals Review #2
SCSC		Approve FY21 Funding Process & Meeting Dates			Raw Applications Presented		Present Preliminary Evaluations
	FEB '20	MAR '20	APR '20	MAY '20	JUNE '20	JUL '20	AUG-SEP '20
Important Dates			GB Approves FY21 Springs Funding Apps	FDEP receives final application list			FDEP Announces Funded FY21 Projects (AUG) GB Approves FY21 Budget (SEP)
SCMC	Final Evals Reviewed & Approved			Springs Funding Lessons Learned		Approve FY22 Funding Process & Meeting Dates	
SCSC		Final Evals Approved				Approve FY22 Funding Process & Meeting Dates	

Management Committee Meetings

Proposed Dates	Objective
Aug 21, 2019	<ul style="list-style-type: none">• FY21 Kickoff• Approve: Meeting Dates• Approve: Funding Process
Oct 23, 2019	<ul style="list-style-type: none">• Review: Raw application information
Dec 11, 2019	<ul style="list-style-type: none">• Review: Preliminary Eval Review #1
Jan 8, 2020	<ul style="list-style-type: none">• Review: Preliminary Eval Review #2
Feb 26, 2020	<ul style="list-style-type: none">• Approve: Final Evals
May 27, 2020	<ul style="list-style-type: none">• Present: Springs Funding Lessons Learned
July 15, 2020	<ul style="list-style-type: none">• FY22 Kickoff• Approve: Meeting Dates• Approve: Funding Process

Steering Committee Meetings

Proposed Dates	Objective
Aug 28, 2019	<ul style="list-style-type: none">• FY21 Kickoff• Approve: Meeting Dates• Approve: FY21 Funding Process
Nov 13, 2019	<ul style="list-style-type: none">• Present: Raw application information
Jan 29, 2020	<ul style="list-style-type: none">• Present: Preliminary Evals
March 18, 2020	<ul style="list-style-type: none">• Approve: Final Evals
July 29, 2020	<ul style="list-style-type: none">• FY22 Kickoff• Approve: Meeting Dates• Approve: FY22 Funding Process

PRELIMINARY EVALUATIONS AND RANKINGS

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Water Quality Criteria

Category	Ranking	Definition	Criteria
SPRING INFORMATION	High	All three criteria apply	1-Benefitting spring an OFS?
	Medium	Only 2 criteria apply	2-Project location within a BMAP Boundary?
	Low	Only 1 or none of the criteria apply	3-Project location within a PFA boundary?
PROJECT BENEFIT	High	Top 1/3 applications	Applications sorted by descending order for Nitrogen Reduction
	Medium	Middle 1/3 applications	
	Low	Bottom 1/3 applications	
COST EFFECTIVENESS	High	Top 1/3 applications	Applications sorted by ascending order for the estimated cost per pound of TN removed
	Medium	Middle 1/3 applications	
	Low	Bottom 1/3 applications	
RELATED STRATEGIES	High	Project meets at least one of the criteria	1-Project is listed in the BMAP list of projects or anticipated to be added in the next update
	Low	Project does not meet any of the criteria OR applicant does not require connection to available sewer	2-Benefitting spring has an existing MFL 3-Project is part of a specific water quality or water quantity improvement plan
LOCAL MATCH	High	Greater than 25%	Amount of local match
	Medium	Up to 25%	
	Low	None	
PROJECT READINESS	High	Construction is ongoing or will start within the funding calendar year	Project time frame
	Medium	Design is ongoing or will start within the funding calendar year	
	Low	Other elements must be addressed before design may begin	

FY 2021

Springs Funding Evals

Sorted by Project Benefit

Unit Number	Ranking Score	Applicant	Project	Nitrogen Reduction (lbs/yr)
APP10	High	Hernando County	Glen Water Reclamation Facility Denitrification	24,606
APP07	High	Hernando County	Airport WRF Total Nitrogen Reduction	16,222
APP01	High	Bay Laurel CCDD	On Top of the World North Advanced WWTF*	15,484
APP08	High	Hernando County	Airport WWTF Full Expansion	14,145
APP09	Med	Hernando County	Septic to Sewer District A Phase 1	3,703
APP04	Med	FGUA	Rainbow River - Rio Vista Septic to Sewer	3,353
APP02	Med	Marion County	NWRWWTF Expansion	2,077
APP12	Med	City of Inverness	44 West Sewer Extension	1,746
APP13	Med	City of Inverness	41 North Sewer Extension	1,202
APP03	Low	Marion County	Oak Bend I-75 Water Quality Improvement*	766
APP11	Low	City of Inverness	South Highlands Septic to Sewer*	695
APP06	Low	FGUA	180th Ave Package Plant Abatement	284
APP05	Low	FGUA	Burkitt Road Septic to Sewer	111
APP14	Low	City of Crystal River	Pelican Bay Package Plant Removal	48

FY 2021

Springs Funding Evals

Sorted by Cost Effectiveness

Unit Number	Ranking Score	Applicant	Project	Cost/lbs of TN
APP10	High	Hernando County	Glen Water Reclamation Facility Denitrification	\$ 7
APP07	High	Hernando County	Airport WRF Total Nitrogen Reduction	\$ 21
APP12	High	City of Inverness	44 West Sewer Extension	\$ 45
APP08	High	Hernando County	Airport WWTF Full Expansion	\$ 61
APP04	Med	FGUA	Rainbow River - Rio Vista Septic to Sewer	\$ 99
APP05	Med	FGUA	Burkitt Road Septic to Sewer	\$ 105
APP01	Med	Bay Laurel CCDD	On Top of the World North Advanced WWTF	\$ 112
APP13	Med	City of Inverness	41 North Sewer Extension	\$ 113
APP06	Med	FGUA	180th Ave Package Plant Abatement	\$ 114
APP03	Low	Marion County	Oak Bend I-75 Water Quality Improvement	\$ 135
APP09	Low	Hernando County	Septic to Sewer District A Phase 1	\$ 149
APP11	Low	City of Inverness	South Highlands Septic to Sewer	\$ 157
APP02	Low	Marion County	NWRWWTF Expansion	\$ 250
APP14	Low	City of Crystal River	Pelican Bay Package Plant Removal	\$ 306

FY 2021

Total Score for Project > 94: High
Total Score for Project 94 – 67: Medium
Total Score for Project < 67: Low

Prioritization Matrix



Prioritization Matrix		Weighting	7	10	10	5	3	5		
		Highest Score	High	High	High	High	High	High	120	
		Lowest Score	Low	Low	Low	Low	Low	Low	40	
Current Rank	Project Nbr	Project Name	SPRING INFORMATION	PROJECT BENEFIT	COST EFFECTIVENESS	RELATED STRATEGIES	LOCAL MATCH	PROJECT READINESS	Total Score	Overall Ranking
1	APP10	Glen Water Reclamation Facility Denitrification	High	High	High	High	High	High	120	HIGH
2	APP07	Airport WRF Total Nitrogen Reduction	High	High	High	High	Medium	High	117	HIGH
2	APP08	Airport WWTF Full Expansion	High	High	High	High	Medium	High	117	HIGH
4	APP12	44 West Sewer Extension	Medium	Medium	High	High	Medium	High	100	HIGH
5	APP01	On Top of the World North Advanced WWTF	Medium	High	Medium	High	High	Medium	98	HIGH
6	APP09	Septic to Sewer District A Phase 1	High	Medium	Low	High	Medium	High	87	MED
7	APP13	41 North Sewer Extension	Medium	Medium	Medium	High	Medium	Medium	85	MED
8	APP04	Rainbow River - Rio Vista Septic to Sewer	High	Medium	Medium	High	Low	Low	84	MED
9	APP05	Burkitt Road Septic to Sewer	High	Low	Medium	High	Low	Low	74	MED
9	APP06	180th Ave Package Plant Abatement	High	Low	Medium	High	Low	Low	74	MED
9	APP14	Pelican Bay Package Plant Removal	High	Low	Low	High	Low	High	74	MED
12	APP02	NWRWWTF Expansion	Medium	Medium	Low	Low	High	High	73	MED
13	APP11	South Highlands Septic to Sewer	Medium	Low	Low	High	Medium	High	70	MED
14	APP03	Oak Bend I-75 Water Quality Improvement	Medium	Low	Low	Low	High	High	63	LOW

PROJECT OVERVIEWS

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APP02 – Marion County NW Regional WWTF

Construction of a new 0.8 mgd expansion (from 0.2 mgd) and upgrad to advanced wastewater treatment (AWT) at the Marion County NW Regional WWTF including a lift station rehab, a biosolids handling facility and other necessary appurtenances. The County previously funded \$1,883,032 in design and permitting.

- FY2020 request for 1.5 MGD → FY2021 request for 0.8MGD
- Project now includes a biosolids handling facility
- Project benefit changed from 1,774 → 2,077 lbs/yr TN
- Total project cost is unchanged

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APP03 – Marion County Oak Bend I-75 Water Quality Improvement

Design, permitting, and construction of a sewer system to connect and decommission two package plants, Oak Bend and FDOT I-75 rest area, to the Marion County wastewater system. Connection fees for the Oak Bend community only are included in the funding request.

- No changes to this project or request from FY2020 → FY2021
- Last year ranking was Med → Low in FY2021

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APP04 – FGUA

Rainbow River – Rio Vista Septic to Sewer

Design, permitting, and construction of a sanitary sewer collection system which will remove from service a minimum of 333 existing septic tanks. Connection fees are included in the funding request.

- FY2020 329 septic tanks → FY2021 333 septic tanks
- Project benefit changed from 3312 → 3353 lbs/yr TN
- Cost effectiveness changed from \$101 → \$99/lb TN
- Total project cost is unchanged
- Project readiness is unchanged (Low)

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APP05 – FGUA

Burkitt Road Septic to Sewer

Design, permitting, and construction of a sanitary sewer collection system which will remove from service a minimum of 11 existing septic tanks in the Burkitt Road area. Connection fees are included in the funding request.

- Total project cost is reduced from \$460,000 → \$350,000
- Cost effectiveness is increased from \$138 → \$105/lb of TN
- Project readiness is unchanged (Low)

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APP07 – Hernando County Airport WRF Total Nitrogen Reduction

Design, permitting, and construction of a 6.0 mgd advanced wastewater treatment (AWT) components at the Hernando County Airport Regional Wastewater Treatment Plant and other necessary appurtenances to achieve the AWT nutrient limit of 3 mg/L Total Nitrogen. Funding is requested for only the nutrient reduction portions of the project, the wastewater treatment plant expansion is not included in this funding request.

- Previous request was multi-year → current funding requested all in FY2021
- Total project cost is unchanged

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APP08 – Hernando County Airport WWTF Full Expansion

Design, permitting, and construction of a 2.5 mgd expansion (from 3.5 to 6.0 mgd) of conventional wastewater treatment components at the Hernando County Airport Regional Wastewater Treatment Plant and other necessary appurtenances to expand capacity. AWT components are not included in this funding request.

- Previous request was multi-year → current funding requested all in FY2021
- State appropriations of \$3M received in FY2020
- Total project cost is unchanged

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APPLICANT PRESENTATIONS

- a. Bay Laurel CCDD (5 mins)
- b. FGUA (5 mins)
- c. Hernando County (10 mins)
- d. City of Inverness (15 mins)
- e. City of Crystal River (5 mins)

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Total Score for Project < 67: Low

Prioritization Matrix



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Current Rank	Project Nbr	Project Name	SPRING INFORMATION	PROJECT BENEFIT	COST EFFECTIVENESS	RELATED STRATEGIES	LOCAL MATCH	PROJECT READINESS	Total Score	Overall Ranking
1	APP10	Glen Water Reclamation Facility Denitrification	High	High	High	High	High	High	120	HIGH
2	APP07	Airport WRF Total Nitrogen Reduction	High	High	High	High	Medium	High	117	HIGH
2	APP08	Airport WWTF Full Expansion	High	High	High	High	Medium	High	117	HIGH
4	APP12	44 West Sewer Extension	Medium	Medium	High	High	Medium	High	100	HIGH
5	APP01	On Top of the World North Advanced WWTF	Medium	High	Medium	High	High	Medium	98	HIGH
6	APP09	Septic to Sewer District A Phase 1	High	Medium	Low	High	Medium	High	87	MED
7	APP13	41 North Sewer Extension	Medium	Medium	Medium	High	Medium	Medium	85	MED
8	APP04	Rainbow River - Rio Vista Septic to Sewer	High	Medium	Medium	High	Low	Low	84	MED
9	APP05	Burkitt Road Septic to Sewer	High	Low	Medium	High	Low	Low	74	MED
9	APP06	180th Ave Package Plant Abatement	High	Low	Medium	High	Low	Low	74	MED
9	APP14	Pelican Bay Package Plant Removal	High	Low	Low	High	Low	High	74	MED
12	APP02	NWRWWTF Expansion	Medium	Medium	Low	Low	High	High	73	MED
13	APP11	South Highlands Septic to Sewer	Medium	Low	Low	High	Medium	High	70	MED
14	APP03	Oak Bend I-75 Water Quality Improvement	Medium	Low	Low	Low	High	High	63	LOW

DISCUSSION

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