



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1327

1. Title of Project: Sanibel Donax WRF Process Improvements- Phase II

2. Senate Sponsor: Lizbeth Benacquisto

3. Date of Submission: 02/11/2019

4. Project/Program Description:

The goal of this project is to reduce nutrient loading to surface and groundwater from reuse water provided by the Donax Water Reclamation Facility (WRF). Upgrades to the plant will allow the plant to meet advanced wastewater treatment standards, reducing nutrient concentrations in reuse water provided to golf courses, multi-family, and residential properties by more than 50%. The Sanibel Comprehensive Nutrient Management Plan (Thompson et. al., 2017) identified upgrades to the Donax WRF as the highest priority project for reducing nutrient loading to the impaired Sanibel River. This project will greatly improve Sanibel's water quality and protect the coastal waters of Lee County.

5. State Agency to receive requested funds : Department of Environmental Protection

State Agency Contacted? Yes

6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020

Type of Funding	Amount
Operations	
Fixed Capital Outlay	2,000,000
Total State Funds Requested	2,000,000

7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	2,000,000	16.9%
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	9,800,000	83.1%
Other	0	0.0%
Total Project Costs for Fiscal Year 2019-2020	11,800,000	100.0%

8. Has this project previously received state funding? Yes

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		
2018-19		2,000,000	1388	No

9. Is future-year funding likely to be requested? Yes

a. If yes, indicate non-recurring amount per year. 2000000



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10. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
Operational Costs:		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Funds will be spent on construction of process improvements that include: conversion of Plant 1 to flow equalization; conversion of Plants 2 & 3 to Bardenpho process; addition of membrane bioreactor process; yard piping; electrical & instrumentation improvements.	2,000,000
Total State Funds Requested (must equal total from question #6)		2,000,000

11. Program Performance:

a. What is the specific purpose or goal that will be achieved by the funds requested?

The goal of this project is to reduce nutrient loading to surface and groundwater from reuse water provided by the Donax WRF. Upgrades to the plant will reduce nutrient concentrations in reuse water provided to golf courses, multi-family, and residential properties by more than 50%. The Sanibel Comprehensive Nutrient Management Plan (Thompson et. al., 2017) identified upgrades to the Donax WRF as the highest priority project for reducing nutrient loading to the impaired Sanibel River.

b. What are the activities and services that will be provided to meet the intended purpose of these funds?

Tourism in Lee County depends on maintaining Sanibel's pristine beaches and good water quality. This project will reduce nutrient loading to the coastal waters of Charlotte Harbor. By converting the Donax WRF to advanced treatment, this project will reduce nitrogen and phosphorus loading to the impaired Sanibel River, protect property values, improve the quality of life of our residents, enhance habitat for fish and wildlife, and safeguard our world class beaches.

c. What are the direct services to be provided to citizens by the appropriations project?

This project will directly improve water quality, reducing nutrients available to harmful algal blooms such as blue green algae and red tide. By improving water quality, this project will help protect property values, improve the quality of life of our residents, enhance habitat for fish and wildlife, and safeguard our world class beaches and tourism-based economy.



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d. Who is the target population served by this project? How many individuals are expected to be served?

The entire community of Sanibel (~6,600 full-time residents) will be served by the water quality improvements. In addition, all Lee County residents and visitors to our beaches and coastal waters will benefit from the project.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

The process improvements are anticipated to reduce total nitrogen and total phosphorus concentrations by an estimated 50-70%. The FDEP's current permitted criteria levels are 12.0 mg/L Nitrogen, 5.0 mg/L TSS, 30 mg/L BOD, and no limit on Phosphorus. Upgrades will reduce nitrogen to <3.0 mg/L and <1.0 mg/L for phosphorus, which meets advanced waste treatment standards. Effluent will be measured to ensure it meets these nutrient load reduction goals.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

Funding reimbursement may be withheld.

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

The City of Sanibel owns the Donax Water Reclamation Facility.

13. Requestor Contact Information:

- a. **Name:** Keith Williams
- b. **Organization:** City of Sanibel
- c. **E-mail Address:** keith.williams@mysanibel.com
- d. **Phone Number:** (239)338-2570 Ext. 507

14. Recipient Contact Information:

- a. **Organization:** City of Sanibel
- b. **County:** Lee
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (Please specify)
- d. **Contact Name:** Keith Williams
- e. **E-mail Address:** keith.williams@mysanibel.com
- f. **Phone Number:** (239)472-6397



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15. Lobbyist Contact Information

- a. **Name:** Fred Dickinson
- b. **Firm Name:** PooleMcKinley
- c. **E-mail Address:** fred@poolmckinley.com
- d. **Phone Number:** (850)691-1980

Please complete the questions below for Water Projects only

16. Have you applied for alternative state funding?

- Wastewater Revolving Loan
- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (Please describe)
- N/A

17. What is the population economic status?

- Financially Disadvantaged Community (ch. 62-552, F.A.C)
- Financially Disadvantaged Municipality (ch. 62-552, F.A.C)
- Rural Area of Economic Concern
- Rural Area of Opportunity (s. 288-0656, Florida Statutes)
- N/A

18. What is the status of construction? Notice to Proceed 2/4/19

19. What percentage of construction has been completed? 0%

20. What is the estimated completion date of construction? 4/6/2021