



# The Florida Senate

## Local Funding Initiative Request - Fiscal Year 2018-2019

1. **Title of Project:** Sanibel Donax Wastewater Reclamation Facility Process Improvements

2. **Senate Sponsor:** Lizbeth Benacquisto

3. **Date of Submission:** 11/17/2017

4. **Project/Program Description:**

The goal of this project is to reduce nutrient loading to surface and groundwater from the City's municipal reuse water provided by the Donax Wastewater Reclamation Facility (WRF). Upgrades to the plant would convert the plant to advanced wastewater treatment standards and reduce nutrient (nitrogen and phosphorus) concentrations in irrigation water provided to golf courses, multi-family, and residential properties by more than 50%. This project will greatly improve Sanibel's water quality and protect the coastal waters of Lee County

5. **State Agency Contacted?** No

a. If yes, which state agency?

b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested?  
Department of Environmental Protection

6. **Amount of Non-recurring Requested for fiscal year 2018-19:**

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

7. **Type, amount and percent of matching funds available for this project for fiscal year 2018-19:**

Type	Amount	Percent
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	9,913,000	83.2%
TOTAL	9,913,000	83.2 %

8. **Total Project Cost for fiscal year 2018-19 (including the Total Amount of Requested State Funds):** 11,913,000

9. **Previous Year Funding Details:**

a. Has funding been provided in a previous state budget for this activity? Yes

b. In the previous 5 fiscal years, how many years was funding provided? (Optional) 2



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- c. What is the most recent fiscal year the project was funded? 2017-18  
d. Were the funds provided in the most recent fiscal year subsequently vetoed? No  
e. Complete the following Worksheet.

FY:	Input Prior FY Appropriation for this project for FY <b>2017-18</b> (If appropriated in FY 2017-18 enter the appropriated amount, even if vetoed.)		
	Column:	A	B
Funds Description:		Prior Year Recurring Funds *	Prior Year Nonrecurring Funds *
Input Amounts:			1,427,000
			1,427,000

### 10. Is future-year funding likely to be requested?

No

### 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 would reduce nutrient concentrations (nitrogen and phosphorus) 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?

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. How will the funds be expended?

Spending Category	Description	Amount
Administrative Costs		
<input type="checkbox"/> Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> Other Salary and Benefits		



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<input type="checkbox"/> Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> Consultants/Contracted Services/Study		
Operational Costs		
<input type="checkbox"/> Salary and Benefits		
<input type="checkbox"/> Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation		
<input checked="" type="checkbox"/> Construction/Renovation/Land/Planning Engineering	Funds will be spent on construction of process improvements at the Donax Wastewater Reclamation Facility 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		2,000,000

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

Tourism in Lee County depends on maintaining Sanibel's pristine beaches and good water quality. This project will improve water quality by reducing nutrient loading from reuse effluent to Sanibel's surface and groundwater, which can also impact the quality of the coastal waters of Charlotte Harbor. This project will directly reduce nitrogen and phosphorus loading to the impaired Sanibel River, which is impaired by the Florida Department of Environmental Protection, it will protect property values and improve the quality of life of residents.

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

The entire population of Sanibel will benefit from the water quality improvements of this project, which as of April 1, 2017 is estimated at 6,659 full time residents.



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- f. **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.

- g. **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?**

Not completing the project would be subject to forfeiture of legislative funding.

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 Wastewater Reclamation Facility

13. **Requestor Contact Information:**

- a. **Name:** Keith Williams
- b. **Organization:** City of Sanibel
- c. **Email:** keith.williams@mysanibel.com
- d. **Phone Number:** (239)472-6397

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

15. **If there is a registered lobbyist, fill out the lobbyist information below.**

- a. **Name:** Van Poole
- b. **Firm:** Poole McKinley
- c. **Email:** van@poolemckinley.com
- d. **Phone Number:** (850)681-1980



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**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?**

Not started

**19. What percentage of construction has been completed?**

0% completed

**20. What is the estimated completion date of construction?**

estimated completion date 7/31/2021