



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1093

1. **Project Title** Marco Island Nutrient Source Evaluation and Assessment

2. **Senate Sponsor** Kathleen Passidomo

3. **Date of Request** 10/29/2019

4. **Project/Program Description**

On October 4th, 2019, the City of Marco Islands waterways were officially added to the State of Florida Department of Environmental Protection Verified List of Impaired Waters for Group 1 Basins (Everglades West Coast). To assist the City in correcting this highly sensitive water quality issue, a project has been created to identify and qualify the sources and types of pollutants that are contributing to our island waters and the water surrounding Marco Island. The project will involve: 1. Water quality evaluation and monitoring for the Island and surrounding water but using trace isotope metering, 2. Completing a Pollutant Loading Study which will model and estimate runoff volumes which intersects land use categories and is used to base the TMDL (Total Maximum Daily Load) development, and 3. Nutrient Source Identification which will identify nutrient loadings in watersheds for nitrogen and oxygen to partition measured nutrients into the originating sources.

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

State Agency contacted? ☐ Yes ☒ No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	000
Fixed Capital Outlay	300,000
Total State Funds Requested	300,000

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	300,000	50.0 %
Matching Funds		
Federal	00	0 %
State (excluding the amount of this request)	00	0 %
Local	300,000	50 %
Other	00	0 %
Total Project Costs for Fiscal Year 2020-2021	600,000	100 %

8. **Has this project previously received state funding?** ☐ Yes ☒ No

If yes, provide the most recent instance:

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. **Is future-year funding likely to be requested?** ☐ Yes ☒ No

If yes, indicate nonrecurring amount per year.



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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: Other		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study	Funds will be used to provide necessary services to assess the general sources of nutrients such as runoff, groundwater inflow, interconnected water bodies, reuse water and fertilizers which are causing elevated concentrations within the waterways of the City of Marco Island to institute corrective measures.	300,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		300,000



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11. Program Performance

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

The purpose of this project is compile data and information to assist the City in recovering from the recent inclusion of the Verified Impaired Water (IWR) Notification.

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

The greatest benefit to be gained from this project will be the reduction of water pollution by the following tasks:

1. Review historical water quality data, statistical evaluations, and trend analyses; 2. Design a monitoring program to determine the source of nutrients within the waterways of the City of Marco Island; 3. Interpret the collected data and other information to identify nutrient sources; 4. Develop suggestions to alleviate the nutrient impairment; 5. Prepare a final report which presents the study results and provides general recommendations for methods to improve water quality.

- c. What direct services will be provided to citizens by the appropriation project?

Increased water quality by reductions of nitrogen and phosphorus in local waterways by identifying sources of pollution and removing these same sources by a systematic approach.

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

This project will benefit the entire population of the City of Marco Island, estimated to be approximately 17,500.

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

The expected benefit from this project will be an increase in water quality on an island wide basis.

The outcome will be measured after the initial study and analysis is complete by moving forward with instituting the recommended Best Management Practices, completing Stormwater Retrofit Projects and adding Basin Management Plans.

- 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?

Withholding payments and requiring a corrective action plan for specific problem areas.



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12. **The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.**

City of Marco Island

13. **Requestor Contact Information**

- a. First Name Last Name
- b. Organization
- c. E-mail Address
- d. Phone Number Ext.

14. **Recipient Contact Information**

- a. Organization
- b. Municipality and County
- c. Organization Type
- ☐ For-profit Entity
 - ☐ Non-Profit 501(c) (3)
 - ☐ Non-Profit 501(c) (4)
 - ☒ Local Entity
 - ☐ University or College
 - ☐ Other (please specify)
- d. First Name Last Name
- e. E-mail Address
- f. Phone Number

15. **Lobbyist Contact Information**

- a. Name
- b. Firm Name
- c. E-mail Address
- d. Phone Number Ext.



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Please complete the questions below for Water Projects only.

16. **Have you applied for alternative state funding?**

- ☐ Waste Water Revolving Loan
- ☐ Drinking Water Revolving Loan
- ☐ Small Community Wastewater Treatment Grant
- ☐ Other (please specify)
- ☒ 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?**

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

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

The information provided will be posted to the Florida Senate website for public viewing if sponsored by a Senator.