



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 2515

1. Project Title Harmful Algal Bacteria - Indian River Lagoon

2. Senate Sponsor Debbie Mayfield

3. Date of Request 01/24/2022

4. Project/Program Description

The increased frequency of harmful algal blooms continues to have a detrimental effect on the Indian River Lagoon. Funds will be used to focus on the study and remediation of cyanobacteria. When HAB occur, they block the sunlight and cause damage to underlying seagrasses that support the fishery and wildlife of the lagoon and estuary. This funding will directly treat cyanobacteria that occurs in specific locations within the Indian River Lagoon. Additionally, a study of new strains of cyanobacteria that bloom to be identified. The goal of this pilot program is to focus on reducing harmful algal blooms in the Indian River Lagoon and studying new cyanobacteria blooms throughout the Indian River Lagoon estuary. Blue Green Water Technologies will partner with the DEP and the water management district.

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

State Agency contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2022-2023

Type of Funding	Amount
Operations	2,000,000
Fixed Capital Outlay	0
Total State Funds Requested	2,000,000

7. Total Project Cost for Fiscal Year 2022-2023 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	2,000,000	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2022-2023	2,000,000	100%

8. Has this project previously received state funding? No

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

9. Is future funding likely to be requested? No

a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?



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No

If yes, indicate the amount of funds received and what the funds were used for.

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study	Funds will be expended for water quality testing, application of Blue Green Water Technologies product, and detailed cyanobacteria algal bloom studies to identify and treat new strains of cyanobacteria.	2,000,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		2,000,000

12. Program Performance

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

The goal of this pilot program is to focus on reducing harmful algal blooms in the Indian River Lagoon and studying new cyanobacteria blooms throughout the Indian River Lagoon estuary. Blue Green Water Technologies will partner with the DEP and the water management district.

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

Direct treatment of cyanobacteria that occurs in specific locations within the Indian River Lagoon. Additionally, a study of new strains of cyanobacteria that bloom to be identified.

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

Direct treatment of cyanobacteria.

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

General - The majority of the funds will benefit no specific group.

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

Remediating the growing threat of cyanobacteria in the Indian River Lagoon will support the growth of sea grasses and the health of the fishery, including manatees. The application of product during a HAB outbreak will have an immediate positive impact on the health of the lagoon and estuary. Further, being able to identify new strains of cyanobacteria will allow researchers to better understand how to control and manage future outbreaks.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties



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LFIR # 2515

for failing to meet deliverables or performance measures provided for the contract?

N/A

13. 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.

N/A



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Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 2515

14. Requestor Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

15. 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

16. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number