



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 1537

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. Project/Program Description

This project will remove accumulations of muck from 73 acres of the Indian River Lagoon in Area 1A, located northeast of the FL-518 (Eau Gallie) Causeway by implementing environmental dredging plus treatment of interstitial water. The project location has approximately 376,600 cubic yards of decaying muck. Combined dredging and treatment of interstitial water is estimated to reduce the annual nitrogen flux by roughly 42,825 pounds and phosphorus flux by approximately 4,867 pounds. This will increase oxygen and reduce algae blooms, fish kills and the accumulation of toxic hydrogen sulfide as well as help preserve healthy, adjacent sediments that provide habitat for marine life and promote ecosystem services like coupled nitrification-denitrification to help mitigate excess nitrogen pollution.

5. **State Agency to receive requested funds**
- State Agency contacted?** No

6. Amount of the Nonrecurring Request for Fiscal Year 2023-2024

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	10,020,487
Total State Funds Requested	10,020,487

7. Total Project Cost for Fiscal Year 2023-2024 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	10,020,487	50%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	10,020,487	50%
Other	0	0%
Total Project Costs for Fiscal Year 2023-2024	20,040,974	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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Yes

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

ARPA: 1st tranche of \$58.5M went to Infrastructure, Revenue Replacement & Vaccine Incentive. 2nd tranche of \$58.5M went to qualified expenditures including Infrastructure, Negative Economic Impacts, Public Health & Revenue Replacement. CARES Act: \$105M for Public Safety Needs & Economic Support; \$20.4M for Transit, Housing, Fire Rescue, Valkaria Airport, & Sheriff's Community Programs; \$32.6M for Emergency Rental Assistance; \$6.6M for HUD Programs, \$4.2M for Housing Programs; \$3M for Transit.

Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

- Planning
 Design
 Construction

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List 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 - Does not pertain to environmental demucking of state submerged lands.

13. 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		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Construction and construction oversight. Permitting and engineering are complete. Construction is scheduled to begin 08/01/2023. Project is anticipated to take 3-4 years.	10,020,487
Total State Funds Requested (must equal total from question #6)		10,020,487

14. Program Performance

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



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

This project includes environmental dredging of muck, dewatering of the dredged slurry, advanced treatment of the return interstitial water (similar to advanced wastewater treatment) before it is discharged to the lagoon, and the potential use of the solids as a soil amendment for agricultural lands distant from the Indian River Lagoon.

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

Direct services include restoration of healthy sediments for seagrass, marine habitat and to promote ecosystem services like coupled nitrification-denitrification; reduced turbidity, total suspended solids, nutrient release, sulfuric acid and sediment oxygen demand; improved water clarity, water quality, light penetration, and dissolved oxygen levels; decreased potential and severity for algal blooms and fish kills.

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

The target audience is the entire population of Brevard County (~660,000), tourists engaging in lagoon-dependent activities, as well as local and state economic sectors tied to the health of the Indian River Lagoon.

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

The expected benefits of this project are reducing nutrient flux, turbidity, and total suspended solids in the Indian River Lagoon as well as preventing the degrading of nearby healthy, sandy sediments. Muck area, volume and associated nutrient content removed from the lagoon will be measured in acres, cubic yards and tons. Combined dredging and treatment of interstitial water is estimated to reduce annual nitrogen flux by approximately 42,825 pounds and reduce phosphorous flux by approximately 4,867 pounds. Water quality improvements (nutrient concentrations, water clarity, turbidity, total suspended solids, light penetration, dissolved oxygen, and bloom levels) will be determined from pre- and post-project data recorded by the nearest monitoring stations operated by SJRWMD, Harbor Branch Oceanographic Institute, Ocean Research Conservation Association, or Florida Institute of Technology. Return water will be tested frequently for nutrient concentrations.

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 the contract?

Past performance should be taken into account by bill sponsors. Brevard County continues to meet its deliverables, however there could be a penalty of non-payment until contractual obligations are met.

15. Requester Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

16. Recipient Contact Information

a. Organization

b. Municipality and County



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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

17. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number

Please complete the questions below for Water Projects only.

18. 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

19. 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)



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N/A

20. What is the status of construction?

Permits acquired

21. What percentage of the construction has been completed?

0%

22. What is the estimated completion date of construction?

05/01/2026