



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1404

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

The Florida Tech Indian River Lagoon Research Institute will continue work on improving water quality in the Indian River Lagoon (IRL) with the 3rd phase of a study investigating nitrogen reduction and increased dissolved oxygen through increased ocean inflow. The 3rd phase will support comparative research including the University of West Florida, monitoring, and 100% completed design of a temporary test inflow system permitted by the U.S. Army Corps in coordination with FDEP. Phase 1 and 2 RLI reports available for review at <https://www.fit.edu/indian-river-lagoon/#reports>

5. State Agency to receive requested funds

State Agency contacted?

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

Type of Funding	Amount
Operations	921,500
Fixed Capital Outlay	0
Total State Funds Requested	921,500

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)	921,500	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	921,500	100%

8. Has this project previously received state funding?

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
2021-22	0	921,500	63	Yes

9. Is future funding likely to be requested?

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

Florida Tech has distributed \$3.6M for Student Aid between May 2020 and June 2021 with \$6.5M remaining. For the institutional funds, Florida Tech has expended \$6.8M between Aug 2020 through May 2021 with \$6M yet remaining.

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	Analysis tools, travel and expenses associated with accessing and implementing lagoon and coastal study sites.	124,715
Consultants/Contracted Services/Study	Planning, integration, performing of studies; monitoring and modeling of study site; design and permitting applications temporary inflow site.	796,785
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		921,500

12. Program Performance

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

The full RLI study will evaluate the feasibility and desirability of measured ocean inflows into the Indian River Lagoon to potentially reduce nitrogen and increase bottom dissolved oxygen. Phase 3 of the RLI study will complete 100% design of temporary pump structure and permitting by US Army Corps in coordination with FDEP and stakeholders as well as comparative research and monitoring.

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

Phase 3 of the RLI study will integrate comparative environmental research, modeling, address required research requirements by permitting agencies, and support the 100% design with associated permitting through US Army Corps for placement of a future temporary inflow test structure. Continue strategic stakeholder engagement to disseminate information addressing the inflow initiative as cited in the NEP IRL CCMP https://onelagoon.org/wp-content/uploads/IRLNEP_Final-Draft-CCMP-REVISION_2018-12-07_LowRes_20200204.pdf Page 83.

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

Citizens will benefit from the indirect services of the RLI Research project by the investigative and discovery efforts of Florida Tech in coordination with primary lagoon stakeholders in support of the restoration of the Indian River Lagoon ecosystem.

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

The target population served by the data gained from the Restore Lagoon Inflow Research Study is the general public in Brevard county (app. 600,000), the counties adjacent to the IRL, as well as the entire citizenry of the state of Florida (app. 22 million).

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



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The feasibility and desirability of measured ocean inflows into the Indian River Lagoon as a partial intervention solution to water quality issues potentially by reducing nitrogen and increasing bottom dissolved oxygen. Comparative analysis, monitoring, modeling, 100% design of temporary test structure, permitting application process and approval with U.S. Army Corps, and outreach disseminating the RLI study progress are expected in this phase 3.

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?

Standard contract conditions.

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.

Florida Tech will not receive, directly or indirectly, any fixed capital outlay funding.



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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



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Please complete the questions below for Water Projects only.

17. 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

18. 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

19. What is the status of construction?

60% engineering design completed; US Army Corps permitting next step

20. What percentage of the construction has been completed?

Actual construction of temporary system not initiated - 0%

21. What is the estimated completion date of construction?

09/01/2024 - Construction and permitting estimated completion