



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2020-2021

LFIR # 2055

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

4. **Project/Program Description**

Stetson University's Institute for Water and Environmental Resilience will construct, monitor, and evaluate several floating island interventions within the Lake Beresford ecosystem, a nutrient-enriched waterway within the Middle St. Johns River with impairments for Total Nitrogen, Total Phosphorus, and Chlorophyll-A. The project intends to reduce algae blooms and create innovations that increase the effectiveness and reduce the implementation costs for floating island interventions within lakes across FL.

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

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

Type of Funding	Amount
Operations	<input style="width: 80%;" type="text" value="252,920"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="000"/>
<b>Total State Funds Requested</b>	<b>252,920</b>

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)	<input style="width: 80%;" type="text" value="252920"/>	<input style="width: 80%;" type="text" value="48.0"/> %
<b>Matching Funds</b>		
Federal	<input style="width: 80%;" type="text" value="20,000"/>	<input style="width: 80%;" type="text" value="4"/> %
State (excluding the amount of this request)	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Local	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Other	<input style="width: 80%;" type="text" value="248,180"/>	<input style="width: 80%;" type="text" value="48"/> %
<b>Total Project Costs for Fiscal Year 2020-2021</b>	<b>521,100</b>	<b>100</b> %

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		
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

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
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Operational Costs: Other</b>		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	Sensors, green infrastructure, native plant species, travel and expenses associated with accessing and implementing floating islands during this initial phase pilot project	166,984
Consultants/Contracted Services/Study	Planning and performing of studies as well as monitoring and modeling of floating island interventions	85,936
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>252,920</b>



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## 11. Program Performance

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

Phase I of this project will establish baseline environmental data on potential location(s) for floating native plant islands designed to suppress harmful algal growth. Use of floating aquatic plant habitats as an implementable and scalable tool within Florida lakes and rivers being impacted by algal blooms.

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

Use of floating aquatic plant habitats as an implementable and scalable tool within Florida lakes and rivers being impacted by algal blooms, and evaluate and monitor hydrologic conditions and phytoremediation.

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

Remediation of Lake Beresford ecosystem, a nutrient-enriched waterway within the Middle St. Johns River with impairments for Total Nitrogen, Total Phosphorus, and Chlorophyll-A. Residents and visitors along the St. Johns River will experience cleaner water, and enjoy year round activities without the interference of algal blooms.

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

Residents and visitors to the state of Florida, and residents and visitors to the St. Johns River waterways.

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

The project intends to reduce algae blooms and create innovations that increase the effectiveness and reduce the implementation costs for floating island interventions within lakes across FL. Interventions will assess and monitor hydrologic conditions and phytoremediation.

- 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?

Repayment of funds.



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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.

N/A

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.***