



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 2077

1. **Project Title** Lake Seminole Submerged Aquatic Vegetation Renourishment

2. **Senate Sponsor** Darryl Rouson

3. **Date of Request** 12/17/2019

4. **Project/Program Description**

The inverse relationship between aquatic plants and algae has been extensively documented in Florida's waters. The Lake Seminole Reasonable Assurance Plans Net Sedimentation is described as the amount of nitrogen and phosphorous accumulated or retained in lake bottom sediments and/or the macrophyte (Tape Grass) standing crop. For a given loading, lake water quality will generally improve as the magnitude of sedimentation increases because higher sedimentation leaves less available nutrients behind in the water column to stimulate algae growth. The objective of this project will be to establish native Tape Grass in areas that were previously dredged in Lake Seminole to reduce the risk of algae-dominated lake. Tape Grass meadows provide many ecosystem services such as water quality filtration, sediment and water column oxygenation, nutrient buffering, competition with invasive species and promotion of aquatic life.

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	992,278
Fixed Capital Outlay	000
Total State Funds Requested	992,278

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)	992278	100.0 %
Matching Funds		
Federal	00	0 %
State (excluding the amount of this request)	00	0 %
Local	00	0 %
Other	00	0 %
Total Project Costs for Fiscal Year 2020-2021	992,278	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	Permitting: \$12,500 Annual Monitoring (3): \$40,428	52,928
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Submerged aquatic vegetation cultivation (250,000): \$312,500 Mechanical Installation (250,000): \$480,000 Monthly Maintenance (11): \$146,850	939,350
Total State Funds Requested (must equal total from question #6)		992,278



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11. Program Performance

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

This objective of this project will be to establish native Tape Grass (*Vallisneria americana*) in areas that were previously dredged in Lake Seminole to reduce the risk of Lake Seminole remaining as an algae-dominated system. Tape Grass meadows provide many ecosystem services such as water quality filtration, sediment and water column oxygenation, nutrient buffering, competition with invasive species and promotion of aquatic life. The restoration initiatives outlined in this proposal are scientifically validated to provide sustainable and lasting outcomes.

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

Contractor/vendor should provide, deliver, install and maintain nursery-grown Tape Grass in areas that are less than or equal to seven feet in depth or approximately 50 acres. Nursery-grown Tape Grass should be cultivated into healthy planting units. The planting units should be transported to Lake Seminole and mechanically planted. Once planted, the Tape Grass planting units should be maintained for the course of one year. Monitoring of the planting sites should commence annually for a period of three years after the installation to document project success.

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

Native Florida plants will prevent the overgrowth of algae in Lake Seminole.

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

Seminole and Pinellas County residents; especially those who utilize Lake Seminole and its park for recreational purposes, as well as water-front homes (including assisted living facilities, mobile home parks, and multi- and single-family residential housing).

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

Native Florida plants will prevent the overgrowth of algae in Lake Seminole.

- 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?

Re-collection of appropriated funds if services not delivered as specified.



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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.**

Lake Seminole is state owned sovereign submerged lands.

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.