



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1767

**1. Title of Project:** Alachua County Newnans Lake Improvement Phase III

**2. Senate Sponsor:** Keith Perry

**3. Date of Submission:** 01/28/2019

**4. Project/Program Description:**

Newnans Lake has a total maximum daily load (TMDL) for nitrogen and phosphorus, with nutrient reduction goals set forth in the Orange Creek Basin Management Action Plan. Proposed Phase III activities include reducing nutrient loading to the lake from Little Hatchet Creek and Gum Root Swamp (Task 1) and further assessment of nutrient loading from Hatchet Creek and planning potential areas for in-stream nutrient reduction treatment (Task 2). A major step toward water quality improvement in the lake is addressing external loading from the tributaries that feed the lake. In fiscal year 2016/2017 Phase I work began with a legislative funding initiative to assess and conceptually design a pilot project for water quality improvements in the Little Hatchet Creek watershed. Phase II (fiscal year 2017/2018) provides funds for construction of a pilot treatment project on Little Hatchet Creek and a preliminary assessment of nutrient sources in the Hatchet Creek watershed.

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

State Agency Contacted? Yes

**6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020**

Type of Funding	Amount
Operations	470,000
Fixed Capital Outlay	
<b>Total State Funds Requested</b>	<b>470,000</b>

**7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)**

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	470,000	100.00%
Federal	0	0.00%
State (excluding the amount of this request)	0	0.00%
Local	0	0.00%
Other	0	0.00%
<b>Total Project Costs for Fiscal Year 2019-2020</b>	<b>470,000</b>	<b>100.0%</b>

**8. Has this project previously received state funding? Yes**

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		
2017-18		250,000		No

**9. Is future-year funding likely to be requested? Yes**



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a. If yes, indicate non-recurring amount per year. 500000

#### 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	Task 2 - Further characterize spatial phosphorus loading from Hatchet Creek, the largest of the Newnans Lake tributaries and the largest external phosphorus loading to the lake. Develop preliminary (30%) designs for treatment barriers/weirs in the Hatchet Creek watershed.	200,000
<b>Operational Costs:</b>		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering	Task 1 - Construction of a weir/treatment barrier for east branch of Little Hatchet Creek/Gum Root Swamp to provide in-stream nutrient reduction to reduce external nutrient loading to Newnans Lake.	270,000
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>470,000</b>

#### 11. Program Performance:

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

The project purpose is to reduce external nutrient loading to Newnans Lake. The goal of Task 1 is to expand the current pilot project and construct a wetland flow treatment weir/barrier to further reduce baseflow nutrient loading from Little Hatchet Creek and Gum Root Swamp to Newnans Lake. The goal of Task 2 is to develop design (30% design) projects to reduce the phosphorus loading from the exposed Hawthorn Group formations and/or other sources in the Hatchet Creek watershed.

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

Task 1 - Construct a weir/treatment barrier for east branch of Little Hatchet Creek/Gum Root Swamp to provide in-stream nutrient reduction to reduce external nutrient loading to Newnans Lake. Task 2 - Further characterize spatial phosphorus loading from Hatchet Creek, the largest of the Newnans Lake tributaries and the largest external phosphorus loading to the lake. Develop preliminary (30%) designs for treatment barriers/weirs.



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**c. What are the direct services to be provided to citizens by the appropriations project?**

Projects will provide improved water quality in tributaries to Newnans Lake and reduce external nutrient loading to the lake. Implement an expanded project to reduce external phosphorus loading from Little Hatchet Creek and Gum Root Swamp to Newnans Lake, as this is a cost effective approach that should result in immediate reductions in phosphorus through in-stream treatment to reduce nutrient loading. Additionally project work will identify the most cost effective restoration projects for Hatchet Creek, the largest tributary to the lake. All County citizens will have access to cleaner lakes and waterways.

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

Population served includes citizens and visitors to Alachua County, over 800 (including residents from the surrounding area using the lake from Gilchrist, Levy, Bradford, Putnam, Columbia, Clay, Marion counties and the entire region and beyond). The area is already an eco-tourism mecca. Newnans Lake is in the headwaters of the Orange Creek Basin, which includes Lochloosa and Oranges Lakes. Newnans Lake is a popular lake for fishing, hunting, and boating with two County boat ramps and additional public access recreational areas managed by various state and local entities.

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

The project benefit is improved quality of water entering Newnans Lake from Little Hatchet Creek and Gum Root Swamp. Monitoring/testing for nutrient reduction and effectiveness of the low-profile weir or treatment barrier will be used to measure the outcome. Identifying the most cost effective restoration (nutrient reduction) projects for Hatchet Creek, the largest tributary to the lake.

**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?**

The proposed project to reduce external nutrient loading to Newnans Lake from Gum Root Swamp and Little Hatchet Creek (east branch) will not be conducted. Reducing nutrient loading to Newnans Lake is a requirement of FDEP adopted Orange Creek Basin Management Action Plan (BMAP).

**12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.**

N/A

**13. Requestor Contact Information:**

- a. **Name:** Alachua County Commission
- b. **Organization:** Alachua County Government
- c. **E-mail Address:** BoCC@alachuacounty.us
- d. **Phone Number:** (352)264-6900

**14. Recipient Contact Information:**

- a. **Organization:** Alachua County Government
- b. **County:** Alachua
- c. **Organization Type:**



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- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Entity
- University or College
- Other (Please specify)

**d. Contact Name:** Alachua County Commission

**e. E-mail Address:** BoCC@alachuacounty.us

**f. Phone Number:** (352)264-6900

#### 15. Lobbyist Contact Information

**a. Name:** Tom Griffin

**b. Firm Name:** Smith, Bryant, & Myers

**c. E-mail Address:** tgriffin@smithbryanandmyers.com

**d. Phone Number:** (850)224-5081

#### Please complete the questions below for Water Projects only

#### 16. Have you applied for alternative state funding?

- Wastewater Revolving Loan
- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (Please describe)
- 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?** NA, planning 50% complete.

**19. What percentage of construction has been completed?** 0%

**20. What is the estimated completion date of construction?** 12/31/2020