



The Florida Senate

Local Funding Initiative Request - Fiscal Year 2018-2019

1. **Title of Project:** Palatka Wastewater Treatment Plant Bio-solids Treatment System Improvements

2. **Senate Sponsor:** Keith Perry

3. **Date of Submission:** 01/23/2018

4. **Project/Program Description:**

The original planning period for Palatka's existing WWTP is 10 years past its useful life. Primary components show significant wear and tear, and are in need of immediate upgrade and replacement. Currently, the dewatered bio-solids are disposed of at the Putnam County landfill facilities. In past years the City conducted an alternatives cost analysis and determined that replacement of the existing anaerobic system with upgraded like system equipment components, including mechanical dewatering with energy efficient upgrades is the most cost beneficial approach. The City of Palatka (City) is seeking appropriation funding to facilitate needed improvements for its Wastewater Treatment Facilities; specifically for respective bio-solids treatment and dewatering system components. The estimated engineering and construction costs for proposed improvements are approximately \$3.2 Million.

5. **State Agency Contacted?** Yes

a. If yes, which state agency? Department of Environmental Protection

b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested?

6. **Amount of Non-recurring Requested for fiscal year 2018-19:**

Amount Requested for Operations	Amount Requested for Fixed Capital Outlay	Total Amount of Requested State Funds
	3,200,000	3,200,000

7. **Type, amount and percent of matching funds available for this project for fiscal year 2018-19:**

Type	Amount	Percent
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	0	0.0%
TOTAL	0	0.0 %

8. **Total Project Cost for fiscal year 2018-19 (including the Total Amount of Requested State Funds):** 3,200,000

9. **Previous Year Funding Details:**



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- Has funding been provided in a previous state budget for this activity? No
- In the previous 5 fiscal years, how many years was funding provided? (Optional)
- What is the most recent fiscal year the project was funded?
- Were the funds provided in the most recent fiscal year subsequently vetoed?
- Complete the following Worksheet.

FY:	Input Prior FY Appropriation for this project for FY 2017-18 (If appropriated in FY 2017-18 enter the appropriated amount, even if vetoed.)		
	Column:	A	B
Funds Description:		Prior Year Recurring Funds *	Prior Year Nonrecurring Funds *
Input Amounts:			

10. Is future-year funding likely to be requested?

No

11. Program Performance:

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

Palatka is seeking appropriation funding to facilitate needed improvements for its Wastewater Treatment Facilities; specifically for respective bio-solids treatment and dewatering system components. The existing bio-solids treatment system consists of anaerobic sludge digestion followed by mechanical sludge dewatering. In addition, the existing sludge collection processing system components, prior to conveyance to anaerobic digestion, includes Primary Clarifier sludge removal, Secondary Clarifier sludge removal, and Gravity Sludge Thickener. These systems have been in operation for approximately 30 years without any significant replacement of key process equipment components. Tangible benefits include: lowest life cycle cost solution, lowest energy and operational costs, recoverable energy resource in methane gas, low maintenance/simplicity of operation, greatest operational flexibility for existing treatment processes, and provides environmentally friendly, long-term solution.

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

Palatka is seeking appropriation funding to facilitate needed improvements for its Wastewater Treatment Facilities; specifically for respective bio-solids treatment and dewatering system components. The existing bio-solids treatment system consists of anaerobic sludge digestion followed by mechanical sludge dewatering. In addition, the existing sludge collection processing system components, prior to conveyance to anaerobic digestion, includes Primary Clarifier sludge removal, Secondary Clarifier sludge removal, and Gravity Sludge Thickener. These systems have been in operation for approximately 30 years without any significant replacement of key process equipment components. Tangible benefits include: lowest life cycle cost solution,



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lowest energy and operational costs, recoverable energy resource in methane gas, low maintenance/simplicity of operation, greatest operational flexibility for existing treatment processes, and provides environmentally friendly, long-term solution.

c. How will the funds be expended?

Spending Category	Description	Amount
Administrative Costs		
<input type="checkbox"/> Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> Other Salary and Benefits		
<input type="checkbox"/> Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> Consultants/Contracted Services/Study		
Operational Costs		
<input type="checkbox"/> Salary and Benefits		
<input type="checkbox"/> Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation		
<input checked="" type="checkbox"/> Construction/Renovation/Land/Planning Engineering	Engineering, Materials, labor, mobilization/demobilization,	3,200,000
TOTAL		3,200,000

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

The direct services to be provided are: sustainable "Green" solution for the City and surrounding regional area, provides beneficial reuse of 2 organic waste streams currently filling Florida Landfills: (1) bio-solids and (2) yard wastes, eliminates current stabilized/dewatered bio-solids going to Putnam County Landfill, provides ability for City to cease accepting landfill leachate product that at times adversely impacts WWTP process performance and/or final effluent water quality, produces organically bound nutrient material for land for safe and reliable land application – minimizes waterway impacts, reduces City WWTP operating costs, provides revenue generation for City through franchise/lease fees, and creates regional economic and job creation benefits for the Palatka area community.

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



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The target population is the City of Palatka. The City has a population of 10,558 according to the 2010 census.

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

The benefits include: sustainable "Green" solution for the City and surrounding regional area, provides beneficial reuse of 2 organic waste streams currently filling Florida Landfills: bio-solids and yard wastes, provides ability for City to cease accepting landfill leachate product that at times adversely impacts WWTP process performance and/or final effluent water quality, produces organically bound nutrient material for land for safe and reliable land application – minimizes waterway impacts, reduces City WWTP operating costs, provides revenue generation for City through franchise/lease fees, and creates regional economic and job creation benefits for the Palatka area community. The outcome will be measured by monitoring the amount of decrease of bio-solid tonnage being deposited in the Landfill. Tracking job creation through payroll documentation of contractors and entities that partner with the City for beneficial reuse of its bio-solids and reclaimed water.

g. 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?

We stand ready to complete this project, meeting all deliverables and performance measures.

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.

The City currently owns the Waste Water Treatment Plant and does not intend to transfer ownership.

13. Requestor Contact Information:

- a. **Name:** Terrill Hill
- b. **Organization:** City of Palatka - Mayor
- c. **Email:** thill@palatka-fl.gov
- d. **Phone Number:** (386)329-0100

14. Recipient Contact Information:

- a. **Organization:** City of Palatka - Mayor
- b. **County:** Putnam
- c. **Organization Type:**
 - ☐ For Profit
 - ☐ Non Profit 501(c) (3)
 - ☐ Non Profit 501(c) (4)
 - ☐ Local Entity
 - ☐ University or College
 - ☒ Other (Please specify) Municipality
- d. **Contact Name:** Terrill Hill
- e. **E-mail Address:** thill@palatka-fl.gov
- f. **Phone Number:** (386)329-0100



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15. If there is a registered lobbyist, fill out the lobbyist information below.

a. Name: Mario Bailey

b. Firm: Becker & Poliakoff

c. Email: mbailey@bpleagel.com

d. Phone Number: (205)246-3932

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?

Not yet begun construction

19. What percentage of construction has been completed?

0%

20. What is the estimated completion date of construction?

December 2020