



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1842

1. **Title of Project:** Palatka WWTP Bio-solids Treatment System Upgrades
2. **Senate Sponsor:** Keith Perry
3. **Date of Submission:** 01/22/2019
4. **Project/Program Description:**

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 estimated engineering and construction costs for proposed improvements are approximately \$3.2 Million. The facilities are located at 3010 Browns Landing Road and are known as the Platt Drew Wastewater Treatment Plant (WWTP). The original WWTP was constructed and placed in operation during October 1985. Since this time the City has successfully implemented needed improvements to some of its other wastewater processing and treatment components to achieve improved energy efficiency and reuse capabilities of its finished treated wastewater. The Bio-solid systems have been in operation for approximately 30 years without any significant replacement of key process equipment components. The original planning period for the existing WWTP facilities is 20-years, which expired nearly 10 years ago.

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 | |
| Fixed Capital Outlay | 3,200,000 |
| Total State Funds Requested | 3,200,000 |

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) | 3,200,000 | 72.3% |
| Federal | 0 | 0.0% |
| State (excluding the amount of this request) | 0 | 0.0% |
| Local | 1,227,000 | 27.7% |
| Other | 0 | 0.0% |
| Total Project Costs for Fiscal Year 2019-2020 | 4,427,000 | 100.0% |

8. **Has this project previously received state funding?** No

| Fiscal Year (yyyy-yy) | Amount | | Specific Appropriation # | Vetoed |
|--------------------------|-----------|--------------|-----------------------------|--------|
| | Recurring | NonRecurring | | |
| | | | | |

9. **Is future-year funding likely to be requested?** No



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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: | | |
| Salary and Benefits | | |
| Expense/Equipment/Travel/Supplies/Other | | |
| Consultants/Contracted Services/Study | | |
| Fixed Capital Construction/Major Renovation: | | |
| Construction/Renovation/Land/Planning Engineering | Engineering, Materials, labor, mobilization/demobilization, permitting, Inspection, Construction | 3,200,000 |
| Total State Funds Requested (must equal total from question #6) | | 3,200,000 |

11. Program Performance:

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

The existing bio-solids treatment system primarily 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 (1) Primary Clarifier sludge removal, (2) Secondary Clarifier sludge removal, and (3) Gravity Sludge Thickener sludge thickening. These systems have been in operation for approximately 30 years without any significant replacement of key process equipment components. The original planning period for the existing WWTP facilities is 20-years, which expired nearly 10 years ago. The primary components that show significant wear and tear, and are in need of immediate upgrade and replacement, include the anaerobic sludge digestion and mechanical sludge dewatering systems.

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

Replacement/retrofit of the existing anaerobic and mechanical dewatering system. Tangible benefits offered by retrofitting the existing anaerobic system 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.

c. 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



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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.

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

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

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

The benefits of these public/private partnerships include: 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. The outcome will be measured by monitoring the amount of decrease of bio-solid tonnage being deposited in the Putnam County Landfill. Tracking job creation through payroll document

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?

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 of Palatka currently owns the Waste Water Treatment Plant and does not intend to transfer ownership.

13. Requestor Contact Information:

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

14. Recipient Contact Information:

- a. **Organization:** City of Palatka
- b. **County:** Putnam
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity



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- University or College
- Other (Please specify) Municipality

d. Contact Name: Jonathan Griffith
e. E-mail Address: jcgriffith@palatka-fl.gov
f. Phone Number: (329)329-0107

15. Lobbyist Contact Information

- a. Name:** Lisa Hurley
- b. Firm Name:** Smith, Bryan & Myers
- c. E-mail Address:** lhurley@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? Construction is underway with Phase I

19. What percentage of construction has been completed? 5%

20. What is the estimated completion date of construction? 12/31/2021