



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 2101

1. **Project Title**

2. **Senate Sponsor**

3. **Date of Request**

4. **Project/Program Description**

Develop a Request for Proposals for technologies demonstrated to treat a sewage waste stream and convert the residuals to useful, uncontaminated commodities such as energy, pure water, liquid ammonia, and phosphorus ash, free of other chemical contaminants, rather than biosolids that appear to be contaminating the drinking water supply for 170,000 residents of Brevard County. Review submitted technologies for capital and operating costs, proven performance, reliability, health and safety, and value of end products. Select the preferred technology for a pilot scale project in Brevard County. Design, engineer, and permit a pilot scale project. Pilot may also be selected and designed to accept biosolids from multiple wastewater treatment plants and convert the entire waste stream to uncontaminated commodities such as: energy, liquid ammonia, phosphorus ash, and clean water.

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="000"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="500,000"/>
Total State Funds Requested	500,000

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="500000"/>	<input style="width: 80%;" type="text" value="100.0"/> %
Matching Funds		
Federal	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
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="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Total Project Costs for Fiscal Year 2020-2021	500,000	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		
<input style="width: 100%;" 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
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		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Review next generation sewage treatment technologies and select a preferred system for demonstration in Florida. Design, engineer, and permit a pilot project. In addition to providing advanced waste water treatment, facility may also accept biosolids from multiple wastewater treatment plants and convert the entire waste stream into valuable commodities.	500,000
Total State Funds Requested (must equal total from question #6)		500,000



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11. Program Performance

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

Review of next generation advanced waste water technologies currently available to treat wastewater and produce valuable commodities instead of biosolids. Selection of a most appropriate technology to pilot in Florida. Design, engineering, and begin permitting of a pilot project for the selected technology.

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

Funds will be used to develop a Request for Proposals for selecting a proven and reliable next generation advanced waste water technology that produces valuable commodities instead of biosolids. Funds will also be used to design, engineer, and begin permitting a pilot project for the selected technology.

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

Advanced wastewater treatment and the production of valuable commodities instead of biosolid wastes which would otherwise be dumped in a municipal landfill or land applied to local pasture that leaches pollutants that contribute to toxic algal blooms within Class I waters of the St Johns River Upper Basin used as a drinking water supply for 170,000 residents of Brevard County.

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

The low income area of Barefoot Bay (population 10,000) is the most likely sewer service area to be selected for the pilot project. If the system can also treat the biosolids produced at all wastewater treatment facilities in Brevard, the entire population of Brevard County (~600,000), plus visitors, would be served.

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

Improved wastewater management, improved groundwater and drinking water quality, improved surface water quality, increased economic activity via the creation of a new industry, immediate job openings, enhanced environmental conditions for fish and other wildlife, protection of the general public from environmental pathogens. Outcome measures can include tons of biosolids avoided as well as the value of commodities produced.

- 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 contracted agency's performance will be taken into account for future solicitation of this type of work.



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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.**

Local Government (e.g. police, fire or local government buildings, local roads, etc.)

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.