



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1187

1. **Project Title** Brevard County - Septic to Sewer Conversion for 1019 Homes2. **Senate Sponsor** Debbie Mayfield3. **Date of Request** 10/30/20194. **Project/Program Description**

Provide sewer service to 1019 of the most polluting septic systems in Brevard. Based on the state-approved ArcNLET model, the 1019 selected systems contribute over 33,500 lbs of nitrogen pollution per year to the Indian River Lagoon. Budget includes extending sewer service to 5 unserved neighborhoods, running lateral lines, paying connection fees, and safely decommissioning abandoned septic tanks. This will lead to improved water quality in the groundwater and to nutrient load reductions in the Indian River Lagoon. It will also decrease the likelihood of bacterial, viral, pharmaceutical and other contaminant forms leaching from septic systems located closest to the lagoon shoreline and compromising the health of humans as well as Indian River Lagoon marine life.

5. **State Agency to receive requested funds** Department of Environmental ProtectionState Agency contacted? ☐ Yes ☒ No6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	000
Fixed Capital Outlay	10,713,368
Total State Funds Requested	10,713,368

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)	10713368	47.0 %
Matching Funds		
Federal	496,331	2 %
State (excluding the amount of this request)	500,000	2 %
Local	11,213,369	48 %
Other	246,400	1 %
Total Project Costs for Fiscal Year 2020-2021	23,169,468	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		
2019-20	00	500,000	1657A	No

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	N/A	0
Other Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	N/A	0
Consultants/Contracted Services/Study	N/A	0
Operational Costs: Other		
Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	N/A	0
Consultants/Contracted Services/Study	N/A	0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Construction of sewer service lines and lift stations to bring service to 5 priority neighborhoods with 469 homes currently on septic, plus connect 550 individual lots located near existing sewer lines, for a total of 1019 homes. Design and permitting is underway.	10,713,368
Total State Funds Requested (must equal total from question #6)		10,713,368



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11. Program Performance

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

This project will reduce nitrogen pollution to the Indian River Lagoon by over 33,500 pounds per year by providing sewer service to 1019 of the most polluting septic locations in Brevard County. Sewer service will be extended to 5 unserved neighborhoods. Construction will include running sewer mains to the 5 neighborhoods, running lateral lines to 1019 homes, paying connection fees, and safely decommissioning abandoned septic tanks. This will lead to improved water quality, environmental health, recreation and property values. Monitoring wells have already been installed to monitor effectiveness of pollution reduction.

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

Sewer mains will be installed to reach 5 unserved neighborhoods (3 on Merritt Island, 1 in Suntree near Viera, and 1 in Micco). Lateral lines will be installed to connect 1019 homes to the sewer mains. Connection fees will be paid for 1019 locations (predominantly wet lots). Septic tanks will be safely decommissioned. This will reduce the amount of nutrient and human waste reaching the groundwater and migrating to the Indian River Lagoon.

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

Sewer service will be provided to 1019 homes. Recipients will be responsible for monthly sewer fees and maintaining the portion of sewer infrastructure that will be on their private property. Brevard County's Utilities Services will be responsible for accepting and treating the sewage and maintaining the public infrastructure.

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

The target population is households on septic who are contributing the greatest amount of nutrient pollution to the Indian River Lagoon, due to proximity of the septic systems to the lagoon, rapid conductivity of porous sandy soils, shallow depth to groundwater and other factors that convey pollution. A cluster analysis of the most polluting individual homes was done to identify neighborhoods that are the most polluting and are feasible to connect to existing waste water treatment plants without exceeding existing capacity. In addition to the 1019 households served directly, improved water quality in the Indian River Lagoon will benefit marine life, recreation, tourism and nearly 600,000 residents of Brevard.

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

Nitrogen pollution to the Indian River Lagoon will be reduced by over 33,500 lbs per year by providing sewer service to 5 of the worst 25 septic communities identified in the 2019 Update to Brevard County's Save Our Indian River Lagoon Project Plan. The 1019 systems targeted are responsible for about 7% of the total nitrogen pollution from 50,000 septic systems in the lagoon watershed of Brevard. The number of sewer connections will be counted and groundwater monitoring wells have been installed in 2 of these neighborhoods to measure the pre versus post amount of pollution moving through the groundwater from the existing septic systems. Monitoring data from the recently completed BreezeSwept project in Rockledge documented significant and swift nutrient and bacterial reduction following conversion from septic to sewer.

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?

In addition to not getting reimbursed for any unmet deliverables, Legislators will take past performance into account when considering sponsorship of future Legislative requests for this type of project.



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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?**

Ready. 2 areas are designed, permits pending. 3 areas are at 30% design.

19. **What percentage of the construction has been completed?**

0%

20. **What is the estimated completion date of construction?**

06/30/2022

The information provided will be posted to the Florida Senate website for public viewing if sponsored by a Senator.