



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2021-2022

LFIR # 1608

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. Project/Program Description

City of Fort Pierce Utilities Authority (FPUA) requests \$850,000 or 16% of a \$5,419,289 construction project to line 22.5 miles of damaged vitrified clay sewer pipes located in the City's largest HUD designated, low income service area that spans seven (7) City blocks downtown and on So. Hutchinson Island. Serving 7,230 residents in 6,285 households, the underground cracked sewer pipes were damaged during Hurricane Irma when 21.77 inches of flood waters remained for six (6) days. FPUA recently secured a \$3.8M contract with HUD to partially fund the pipe lining to resolve the seeping untreated sewage from cracked pipes, continuous sewage odor and frequent backed up toilets. This funding will allow FPUA to begin lining construction this summer.

5. **State Agency to receive requested funds**
- State Agency contacted?**

6. Amount of the Nonrecurring Request for Fiscal Year 2021-2022

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	900,000
Total State Funds Requested	900,000

7. Total Project Cost for Fiscal Year 2021-2022 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	900,000	26%
Matching Funds		
Federal	1,750,000	50%
State (excluding the amount of this request)	0	0%
Local	700,000	20%
Other	150,000	4%
Total Project Costs for Fiscal Year 2021-2022	3,500,000	100%

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

Fiscal Year (YYYY-YY)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. **Is future funding likely to be requested?**
- a. **If yes, indicate nonrecurring amount per year.**
- b. **Describe the source of funding that can be used in lieu of state funding.**

DEM's Hazard Mitigation Grant Program could provide partial funding towards lining cracked sewer pipes throughout the City.

10. **Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?**



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No

If yes, indicate the amount of funds received and what the funds were used for.

11. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Construction costs: 1) Use closed circuit television inspection inside the pipes, followed by smoke testing and flow monitoring to detect pipe cracks for sewage leaks; 2) Once leaks are detected, construction engineers will line the pipes using the Cured in Place Pipe (CIPP) method to restore pipes. The CIPP process cost one tenth of the projected construction cost to unearth and replace the entire pipe.	900,000
Total State Funds Requested (must equal total from question #6)		900,000

12. Program Performance

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

Hurricane Irma's flood waters saturated the soils attributing severe damage to the City's underground sewer infrastructure. The most severe damage to pipes occurred in the low lying downtown low income neighborhoods and South Hutchinson Island, defined as a HUD service area. In these neighborhoods sewer pipes cracked under 21 inches of water over 6 days. Many reported sewage odor, while others experienced backed up toilets. People abandoned their homes, taking their pets with them due to the serious open sores and declining health. This project will line the underground cracked sewer pipes that continue to seep untreated sewage to groundwater and the Indian River Lagoon. This funding will line sewer pipes in residential neighborhoods to eliminate noxious contaminants from seeping into neighborhood yards and flowing to the Indian River Lagoon.

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

This project is designed to reconstruct FPUA's damaged sewer collection system by using the Cured in Place Pipe (CIPP) lining process, a trenchless method of sewer construction that seals and restores the pipes, eliminating the chance of increased VCP cracking. Using each neighborhood's sewer grid design, construction engineers will detect sewer pipe cracks by guiding closed circuit television probes through street drains into pipes for inspection. Engineers will then use smoke testing and flow monitoring to detect the pipe crack precise locations. Once detected, construction engineers will line the pipes using the Cured in Place Pipe process. The CIPP method involves inserting and running a felt lining into a preexisting pipe that is need of repair. Resin within the liner is then exposed to a curing element to make it attach to the inner walls of the pipe. Once fully cured, the lining now acts as a new pipeline.

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



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The direct services provided to citizens to repair the sewer pipe cracks will restore healthy living conditions for 7,230 low income residents residing in 6,285 households. The direct services will include the full repair of the cracked pipes that are currently seeping raw sewage in their neighborhood's soils. This seepage then causes infections for residents and their pets. These residents are continually facing daily health challenges that then escalate when major storms track for Fort Pierce, or even summer rainstorms hit their neighborhoods. The direct services will reduce the continual property damage, lower the hospitalizations and reduce health costs.

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

The target population served in this project is 7,230 low income residents residing in 6,285 households within a HUD designated low income service area in downtown Fort Pierce and the western neighborhoods of South Hutchinson Island.

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

Several benefits will be realized and measured in this project, including a reduction in reported residents' illnesses and hospitalizations following rainstorms from untreated sewage in their yards and tracked into their homes (St. Lucie County local hospitals); reduction in saturated soils and sewage odor following major storms and summer rainstorms (FEMA measured); reduction in homeowner and health insurance claims (FEMA counts and reports); and a reduction in stormwater pollutants measured in the Lagoon (water analyses St. Lucie County).

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 the contract?

DFS shall hold back 10% of the total payment of each deliverable. Failure to meet the acceptance criteria as identified in the Statement of Work will result in automatic deliverable rejection and may not be invoiced or paid until correction of the deliverable. The total withheld amounts shall be paid upon completion of contract based on satisfactory performance and DFS' acceptance of all contract deliverables.

13. 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.

Project construction will only occur on the City of Fort Pierce owned roads and within the City owned road right of way.



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14. Requestor Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

15. 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

16. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number



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Please complete the questions below for Water Projects only.

17. 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

18. 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

19. What is the status of construction?

Ready for construction

20. What percentage of the construction has been completed?

0%

21. What is the estimated completion date of construction?

6/01/2022