1. Project Title | Fort Pierce Low Income Sewer Infrastructure Reconstruction

2. Senate Sponsor | Gayle Harrell

3. Date of Request | 02/05/2021

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 | Department of Environmental Protection

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

<table>
<thead>
<tr>
<th>Type of Funding</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations</td>
<td>0</td>
</tr>
<tr>
<td>Fixed Capital Outlay</td>
<td>900,000</td>
</tr>
<tr>
<td>Total State Funds Requested</td>
<td>900,000</td>
</tr>
</tbody>
</table>

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

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

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

<table>
<thead>
<tr>
<th>Fiscal Year (yyyy-yy)</th>
<th>Amount</th>
<th>Specific Appropriation #</th>
<th>Vetoed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Recurring</td>
<td>Nonrecurring</td>
<td></td>
</tr>
</tbody>
</table>

9. Is future funding likely to be requested? | Yes

a. If yes, indicate nonrecurring amount per year. | 800,000

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

<table>
<thead>
<tr>
<th>Spending Category</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Costs:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive Director/Project Head</td>
<td>Salary and Benefits</td>
<td>0</td>
</tr>
<tr>
<td>Other Salary and Benefits</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Expense/Equipment/Travel/Supplies/Other</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Consultants/Contracted Services/Study</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Operational Costs: Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary and Benefits</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Expense/Equipment/Travel/Supplies/Other</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Consultants/Contracted Services/Study</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Fixed Capital Construction/Major Renovation:</td>
<td>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.</td>
<td>900,000</td>
</tr>
</tbody>
</table>

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?
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.
14. Requestor Contact Information
   a. First Name         John       Last Name   Tompeck
   b. Organization       Fort Pierce Utilities Authority
   c. E-mail Address     jtompeck@fpua.com
   d. Phone Number       (772)600-3200
25. Recipient Contact Information
   a. Organization       Fort Pierce Utilities Authority
   b. Municipality and County Saint Lucie
   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         John       Last Name   Tompeck
   e. E-mail Address     jtompeck@fpua.com
   f. Phone Number       (772)600-3200

16. Lobbyist Contact Information
   a. Name               None
   b. Firm Name          None
   c. E-mail Address
   d. Phone Number
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