

Title	Lift Station Bypass Pump HMGP Match	03/18/2024
	by Jennifer Sadonis in Infrastructure & Public Facilities Public Entity Application on behalf of NORTH PORT ART CENTER	id. 45940503
	jsadonis@northportfl.gov	

Original Submission 03/18/2024

Score	n/a
Public Entity Applicant Information	
Is this your first submission?	No
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2.a. Alternate Point of Contact	Michael Davey
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Public Entity Project Information	
3. Project Name	Lift Station Bypass Pump HMGP Match
4. Select which CDBG-DR eligible activity the project qualifies for (select all that apply)	Restoration of infrastructure (such as water and sewer facilities, streets, provision of permanent generators, bridges, etc.)
5. Total Project Budget Spreadsheet	project budget.xlsx

6. Amount of CDBG-DR funds requested for this project 2260000.0

7. Are there any other additional funding sources for this project? Yes

7.a. Other Source of Funds

[source of funds excel.xlsx](#)

7.b. Have all funds from other sources been awarded/received? No

7.c. For funds that have been requested and not awarded, explain the process and timeline for securing funds. Currently, the City of North Port is in the process of securing funds from FEMA's HMGP program. At this time, we are completing the RFI process and are hopeful to be awarded funds in the near future.

8. Does the project have a physical address? Yes

Project Location 4970 City Hall Blvd
North Port
FL
34286
US
27.07498
-82.20605

9. Project Description If awarded, these funds would be used as the match for the FEMA-4673-DR-FL Hurricane Ian HMGP Lift Station Fortification Project / Bypass Pumps project (\$1.25 million) and to cover CEI costs associated with the entire project (\$1 million). The City of North Port applied for FEMA's HMGP funding to install permanent diesel bypass pumps on 43 sanitary sewer lift stations located in critical areas throughout the City that experienced outages during Hurricane Ian. Furthermore, staff has identified ten (10) of those 43 sanitary sewer lift stations that serve individuals living in LMI census tracts as depicted in the map included with this application. If any of the permanent bypass pumps are located in a Special Flood Hazard Area (SFHA), necessary activities, including raising pads above flood level (BFE), will be taken to protect against a 500-year flood event as required.

10. How is this project related to Hurricane Ian?	<p>On September 28, 2022, the City of North Port took a direct hit from Hurricane Ian, resulting in catastrophic damage including flooding the City had never experienced. Because of power outages and equipment failures, many of the City's sanitary sewer lift stations were offline and not able to keep up with the needs of the wastewater collection network, creating a challenge in moving raw sewage to the processing plant. Additionally, the massive volume of rain produced by Hurricane Ian resulted in excess inflow (surface) and infiltration (subsurface) groundwaters, also overwhelming the collection network. Power outages lasted anywhere from a few hours to weeks, depending on the location of the lift station and the storm-related damage in the area surrounding it. To address the overloaded collection system, prevent sanitary sewer overflows, and avoid environmental contamination during this critical time, manual bypass pumps were moved by staff throughout the City multiple times per day to pump excess sewage into tanker trucks for transport to an area that could manage processing the raw sewage accordingly and within regulatory guidelines.</p>
11. Provide the month and year of the estimated completion date of the project.	<p>This project would be completed in 36 months after the award of funds. Target completion is October 2027.</p>
12. Select which HUD National Objective the project meets (select all that apply)	<p>Benefit to low-to-moderate income (LMI) persons Meet a need having a particular urgency (referred to as an urgent need)</p>
12.a. Upload Census Tract Map LS_and_LMI_map_overlay.pdf	
13. Mitigation measures that will be used on the project (select all that apply)	<p>Utilization of backup power for critical facilities Elevating facilities above the Base Flood Elevation (BFE)</p>
14. Resilience performance metrics that will be used on the project (select all that apply)	<p>Number of public facilities constructed or reconstructed</p>

15. Describe the urgency of the repair and how this project benefits the community.

Installing permanent diesel bypass pumps on sanitary sewer lift stations will provide protection against property damage, environmental contamination, and public health emergencies. Raw sewage backing up into structures and private properties will be avoided by ensuring that sanitary sewer lift stations have the ability to stay online during power outages in order to manage their loads as they would during periods of normal operation. Sanitary sewer overflows which cause harm to the environment by contaminating surface water, ground water, and soil, will be avoided as the diesel bypass pumps will assist in managing additional volume experienced during rain and other tropical events. The public health emergencies associated with exposure to raw sewage will also be minimized through the use of diesel bypass pumps that are able to manage flow and avoid sanitary sewer overflows.

16. Describe the steps that will be taken to ensure disadvantaged, underserved communities, and/or vulnerable populations are not negatively affected.

Infrastructure improvements will benefit all members of the community, given the role each sanitary sewer lift station plays in the management of the entire wastewater collection network. This project will immediately impact approximately 7,854 citizens living in identified LMI census tracts that experienced sanitary sewer lift station outages during Hurricane Ian.

17. Are there any known or potential environmental/historic concerns associated with the project?

No

18. Have there been any environmental studies or assessments completed?

No

19. Cost Benefit Analysis

Provide a cost benefit analysis that details the project costs and number of persons served using the methodology provided below. Please explain the data sources used to determine the number of beneficiaries. Methodology: The cost per person ratio is determined by dividing the CDBG-DR project application amount by the number of total project beneficiaries. Example: City A has submitted a project application in the amount of \$300,000. The total project beneficiaries are 1,850. Result: $\$300,000$ (project application amount) / 1,850 (total project beneficiaries) = \$162.16 per person benefiting

Cost Benefit Analysis Table

[cost benefit analysis.xlsx](#)

19.a. Please explain the data sources used to determine the number of beneficiaries in the cost benefit analysis. The Sarasota County HUD Block-Grant Planning App was used to confirm that the identified lift stations were within LMI census tracts in North Port. City of North Port Utilities department provided the number of connections that the ten (10) identified lift stations service, calculating to be a total of 3,080 connections. According to the US Census Bureau, there is an average of 2.55 individuals per household in the City of North Port, meaning that each sanitary lift station connection supports 2.55 individuals. Because there are 3,080 lift station connections identified with the ten (10) lift stations associated to this project, it is estimated that this project will benefit 7,854 individuals.

20. Are there any existing contracts related to this project?

No

21. Has any construction work started for this project?

No

Public Entity Pre-Award Assessment

22. Has the organization previously been awarded funding from HUD?

Yes

22.a. Describe the type of funding awarded and when the funds were awarded.

The City of North Port has received pass-through Community Development Block Grant - Mitigation funds for Hurricane Irma through the State of Florida for two utilities projects in 2022 (currently active). North Port also receives a yearly pass-through allocation of Community Development Block Grant funds from Sarasota County.

22.b. Has the organization ever been on any corrective action plans? If yes, describe.

No.

23. Has the organization ever undertaken the proposed activity before?

Yes

23.a. What was the result? To date, the City of North Port has successfully installed permanent diesel bypass pumps on 12 sanitary sewer lift stations throughout the City. An additional 8 lift stations are in various stages of having permanent diesel bypass pumps installed. To note, during Hurricane Ian, all sanitary sewer lift stations that had been installed previous to the storm performed flawlessly and were able to function as designed, maintaining service to individuals in their service areas.

24. Briefly describe the qualifications/credentials and experience of key staff responsible for this project.

Nancy Gallinaro, Utilities Director
Michael Vuolo, Assistant Utilities Director
Susan Brasefield, Assistant Utilities Director - Administration and Engineering
Michael Acosta, P.E., Utilities Engineering Manager
Jennifer Fehrs, P.E., Utilities Engineer
Melissa McConnell, Project Manager
Valerie Malingowski, Grant Division Manager
Michael J. Davey, PhD, Grants Coordinator
Jennifer Sadonis, Grants Coordinator

25. Describe how and who will monitor progress in implementing the project including any data collection tools that will be used to verify achievement of project goals and objectives

Staff for the Utilities Department and the Grants division will utilize project management software to track timelines, expenses, and expectations for the project. Project progress data is reported quarterly. Grant staff will monitor and report progress throughout the entire life cycle of the grant.

Public Entity Required Documents

Declaration and Certification Form

[Declaration_and_Certificate_Sadonis.pdf](#)

Lobbying Certification Form

[Lobbying_Certification_Form_Sadonis.pdf](#)

Foreign Country of Concern Attestation Form

[Foreign_Country_of_Concern_Sadonis.pdf](#)

Project Specific Documentation

You are about to submit your application.

By submitting this application, I hereby attest that the information provided herein is true and accurate to the best of my knowledge and ability. I understand that this submission is a preliminary step in the application process and that additional verification of the provided information may be required at a later stage. I acknowledge that any willful misrepresentation or falsification of information within this submission may result in disqualification of my application. You will receive an e-mail confirmation when your application has been successfully submitted. If you do not receive a confirmation email, check the following: The junk/spam filters for your email account Check which email address you used to set up your Submittable account NOTE: Submitting this application does not guarantee eligibility or allocation of CDBG-DR funds.
