STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Applications are limited to 25 pages and all submittals must uploaded at https://www.sfwmd.gov/doing-business-with-us/coop-funding by **March 1, 2022 at 4:00 PM**. Please refer to the example applications located on the website for help in completing your application.

PROJECT SUMMARY

Project Name: Reclaimed Water System Expansion - Phase 2	
Applicant: City of Springfield	
Authorized Representative: Laura Jones	**Project Manager (if different):** Mike Smith
Address: 123 North Harbor Drive	**Address:** 123 North Harbor Drive
City/Zip: Springfield/33333	**City/Zip:** Springfield/33333
Telephone: 954-555-1234 ext. 1098	**Telephone:** 954-555-6543 ext. 2835
Email: ljones@springfield.com	**Email:** msmith@springfield.com
Federal ID Number: 59-6000000	
Project Latitude (decimal degrees): 26.493675	**Project Longitude (decimal degrees):** -80.329744
Phase Construction Cost ($): 3,500,000	**Total Capital Cost ($):** 5,750,000 N/A ☐
Requested State Funding ($): 1,500,000	**Applicant's Match Funding ($):** 2,000,000
Third-Party Match Funding ($): 0	**State Appropriation Funding ($):** 0
SFWMD Planning Region: Lower East Coast	**County:** Palm Beach
AWS Project Type (reclaimed, brackish, ASR, etc.): Reclaimed Water	
Multi-year Project? Yes ☒ No ☐	
Anticipated Construction Start Date: October 2022	**Anticipated Completion Date:** December 2024
Phase Capacity (mgd): 2.0	**Total Capacity (mgd)** (upon completion)**:** 3.0
Storage Capacity (mg): N/A	**Distribution Capacity (mgd):** 3.0
Are other agencies contributing funding to this project? Yes ☐ No ☒ If yes, source(s): Enter text. If yes, amount(s): Enter text.	
Does any contractor or other affiliate of the Applicant have a financial interest in this project, the property associated with this project, or with any party that may profit financially from this project? Yes ☐ No ☒ If yes, list the parties and interests: Enter text.	
Is the project part of your institution's capital/facilities work program? Yes ☒ No ☐	
This is a State of Florida reimbursement program with the entire project scope expected to be completed within the funding period, regardless of amount awarded. There is no guarantee the Applicant will be awarded the amount requested. Are budgeted funds available to pay for the entire scope of the project? Yes ☒ No ☐	
Does the Applicant understand that if, for any reason, the project scope is not 100% completed as outlined in the statement of work, the funding amount may be reduced to match the original percentage of funding in the contract that was based on the estimated construction cost provided in the application? Yes ☒ No ☐	
Does the Applicant understand that funds are only for applicable expenses incurred during the funding period? Yes ☒ No ☐	

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Does the Applicant have a Water/Consumptive Use Permit? Yes ☒ No ☐ N/A ☐
If yes, provide permit number: 50-12345-W

Local governments and municipalities: Does the Applicant have an irrigation ordinance that is consistent with Ch. 40-E-24 Florida Administrative Code (F.A.C.) (Mandatory Year-Round Landscape Irrigation Measures)?
Yes ☒ No ☐ N/A ☐
If yes, provide ordinance number: Ch. 15 Article III, Div. 1, Sec. 19-82

Does the Applicant understand that if the irrigation ordinance above does not fully comport with Ch. 40E-24 F.A.C., the application will be deemed ineligible for funding consideration?
Yes ☒ No ☐ N/A ☐

Is the Applicant a REDI Community? Yes ☐ No ☒ N/A ☐

Has this project received previous SFWMD or State funding? Yes ☒ No ☐
If yes, provide the following information:

Year Awarded	Contract Number	Amount Awarded	Amount Spent
2016	4600009999	$500,000	500,000

SHORT DESCRIPTION

In the box below, provide two to three sentences describing the project for which funding is being requested.

The City of Springfield Utilities Department will expand the existing reclaimed water distribution system, primarily with the addition of new, large user customers. Construction of Phase 2, the phase for this application, will install a distribution pipeline so that new reclaimed water customers can be added in Phase 3. The primary potential large users will be commercial properties and golf courses. Phase 2 includes approximately 12,000 linear feet of 24-inch pipeline along Main Street in the eastern portion of the City's service area.

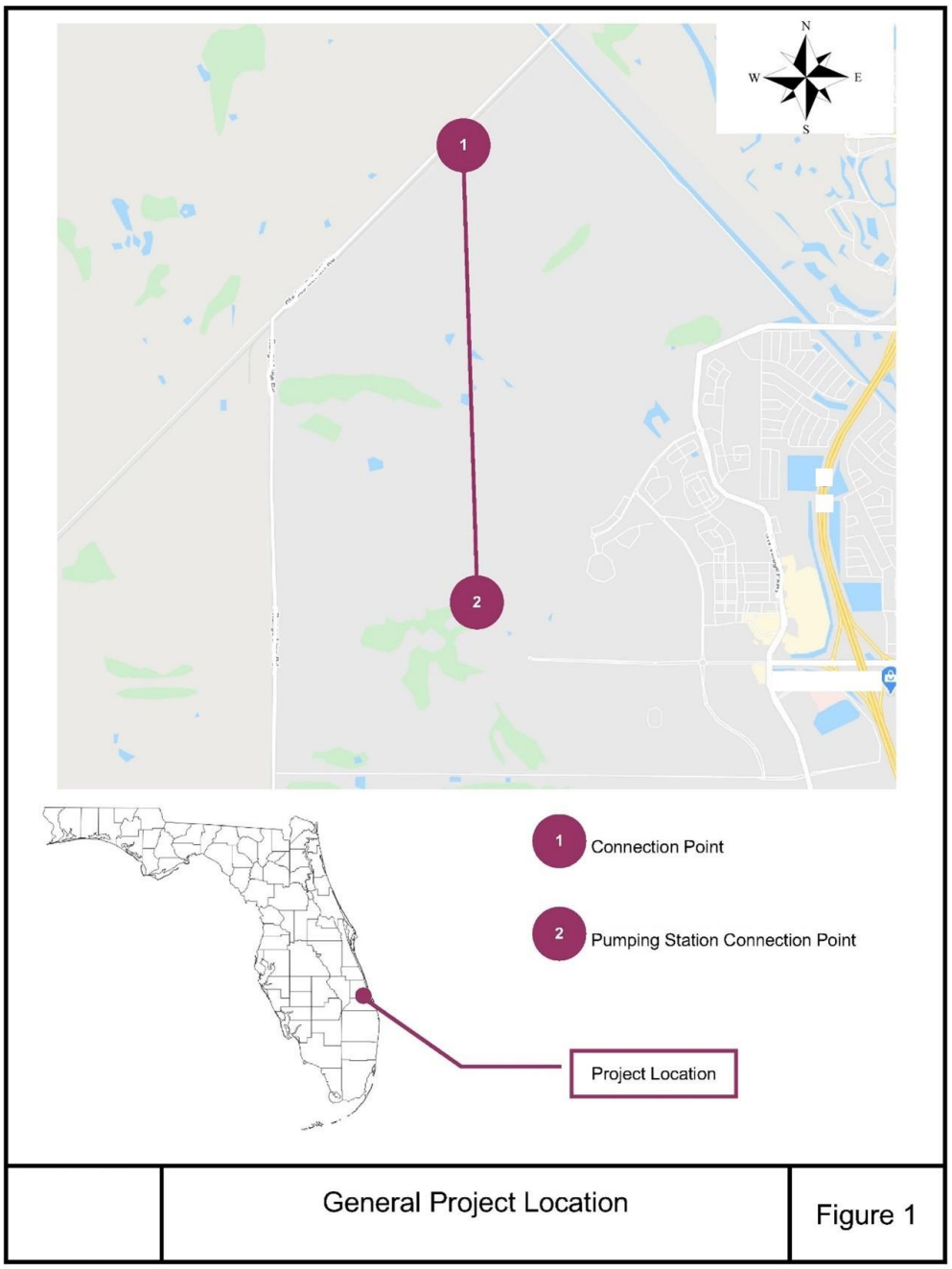
PROJECT FIGURES

Note: Each figure should fit on a sheet of 8.5" × 11" paper and include a North arrow.

Figure 1: Project Location. City or town map clearly showing the project location in relation to the nearest major street or road intersection.

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

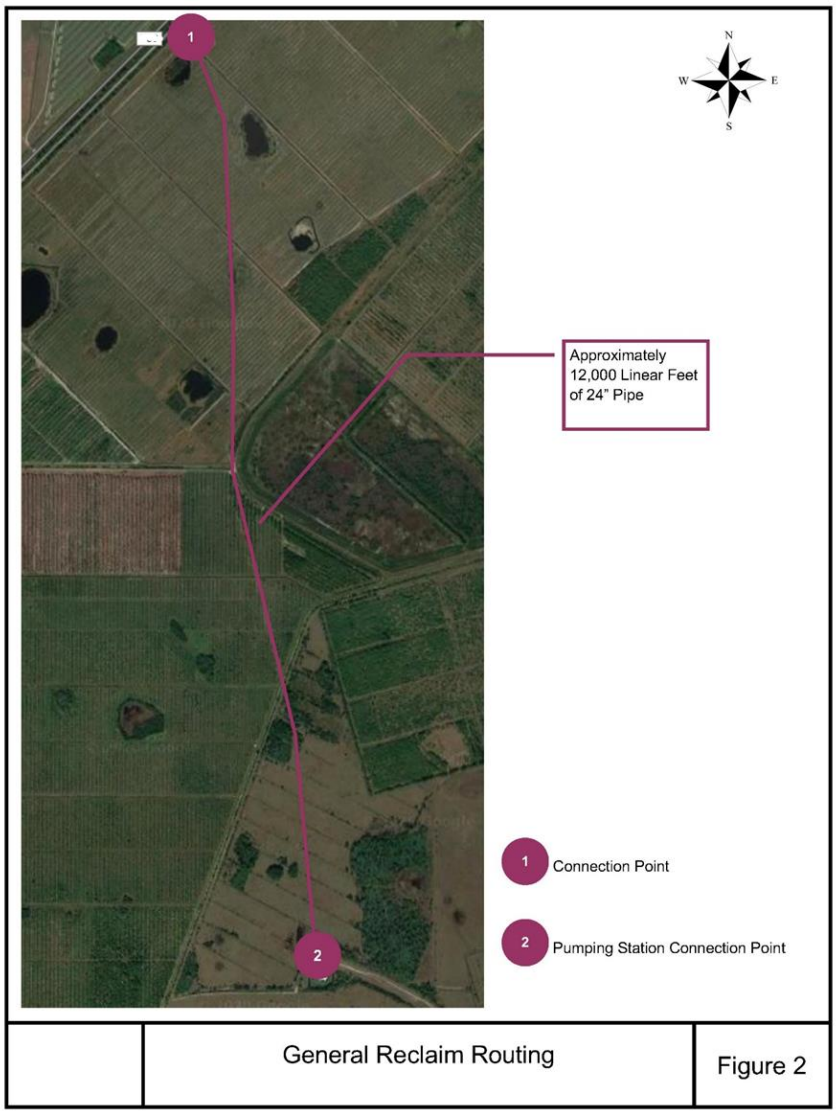


	General Project Location	Figure 1

Figure 2: Project Details. Project-level map showing sufficient detail depicting the proposed project (e.g., show a proposed pipeline between two intersections bounding the project; show a plant layout with the proposed project phase components highlighted, such as storage/chlorination tank, etc.).

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION



General Reclaim Routing — Figure 2

PROJECT DETAILS

Statement of Work

This section will be used to create the contract document if the project is selected for funding. Provide detail on your project as follows:

A. Introduction/Background (up to 6 paragraphs)

The City of Springfield operates and maintains a wastewater treatment and disposal facility. The treatment facility utilizes a deep injection well and an ocean outfall for disposal of its treated effluent. State statutes require ocean outfall facilities to install a functioning reclaimed water reuse system by no later than December 31, 2025 that provides a minimum of 60-percent of the facility's actual flow for acceptable reuse purposes. Implementation of a reclaimed water system will reduce the demands on both the surficial aquifer and on the City's potable water system.

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

The City's Reclaimed Water Master Plan Update identifies this expansion (Phases 1-3) as providing 3.0 million gallons per day (mgd) of reclaimed water by the end of Phase 3, with 2.0 mgd available by the end of Phase 2. The City plans to implement other projects identified in the Master Plan Update on a continual basis over the next 10 years. The Reclaimed Water Master Plan Update is consistent with the City's comprehensive plan, which specifically encourages more reuse of effluent from the wastewater treatment plant to reduce the demands on the potable water system. Prior to construction for Phase 2, Phase 1 included reclaimed water main route survey, subsurface utility engineering, design, permitting, construction documents, bidding coordination, public outreach, and limited construction administration support.

B. Objectives (1-2 paragraphs)

The objective of this project is to increase the City's reclaimed water distribution capacity by 2.0 mgd in the next two years.

C. Detailed Scope of Work (up to 6 paragraphs)

Phase 2 construction includes installation of approximately 12,000 linear feet of 24-inch diameter transmission main or distribution pipeline along the route shown in Figure 2.

This is a reclaimed water main distribution project only and minimizing impacts to other infrastructure is a priority, therefore directional drilling is preferable where possible. In FY22 (Phase 2a), about 5,000 linear feet of PVC/HDPE pipeline will be installed along Main Street to serve the City Island Park and Sports Complex with potential for future expansion to Shade Tree Park. The next segment of pipeline (Phase 2b), will continue along Main Street. This segment of pipeline is about 7,000 linear feet of PVC/HDPE main to connect to the pump station at Main Street and Colonial Avenue. All pipes for reclaimed water mains shall have flexible gasketed joints, be colored purple (Pantone 512 or 522C) and meet all the statutory requirements of Chapter 62-610.100. The construction and installation of the reclaimed water main will be within City-owned property and easements.

Table 1 – Project Breakdown

Fiscal year	FY22	FY22 (con't)	FY23	FY24	FY25 and Beyond	Project Total
Project Phase (e.g. Phase 1/3, etc.)	Phase 2a	Phase 2b (continued)	Phase 3	Phase 3 (continued)	N/A	N/A
Major Deliverables (brief description)	Install 5,000 LF of 24-inch pipe	Install 7,000 LF of 24-inch pipe	Install 4,500 LF of 8-inch pipe	Install 3,000 LF of 8-inch pipe	N/A	N/A
Construction Cost ($)	$ 1,500,000	$ 2,000,000	$ 1,250,000	$ 1,000,000	N/A	$ 5,750,000
Planning/Design/ Engineering/ Other costs ($)	$ 200,000	$ 250,000	$ 150,000	$ 100,000	N/A	$ 700,000
Total Cost ($)	$ 1,700,000	$ 2,250,000	$ 1,400,000	$ 1,100,000	N/A	$ 6,450,000
Capacity Water made Available[1]	0	2.0	0	1.0	N/A	3.0

[1]Include capacity water made available only in the year the project becomes operational.

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Table 2 – Deliverables Schedule

Task No.	Deliverable(s) (List major tasks to be completed – add lines as needed)	Expected Completion Date	Construction Cost ($)
1	Electronic submittal of final project bid amount and/or vendor estimates for all tasks to be completed – Phase 2a	January 2022	N/A
2	Phase 2a - Construct approximately 5,000 linear feet of 24-inch diameter pipeline along Main Street to City Island Park and Sports Complex, including all valves, fittings, piping appurtenances and restoration / Reimbursement Request Package	Upon Task Completion	$1,500,000
3	Phase 2b - Construct approximately 7,000 linear feet of 24-inch diameter pipeline along Main Street and connect with pump station at Main Street and Colonial Avenue, including all valves, fittings, piping appurtenances and restoration / Reimbursement Request Package	Upon Task Completion	$2,000,000
4	Final Project Summary Report / Final Reimbursement Package	August 31, 2022	N/A
		Total[1]	$ 3,500,000

[1]Total deliverable costs should match the information in **Table 1** and the description in the Detailed Scope of Work above. Deliverables should be descriptive (e.g., number and size of pumps, length, diameter, and location of pipelines) to identify what work is being completed and funding requested.

PROJECT BACKGROUND AND SUPPORTING INFORMATION

Please clearly and briefly answer the following questions and provide supporting information.

Have the project design and bid drawings been completed? Yes ☐ No ☒
If yes, date: Enter text.
If no, anticipated date: October 2021

Has the contractor been selected? Yes ☐ No ☒
If no, when: December 2021

Have all land purchases, agreements, rights-of-way, etc. been executed? Yes ☒ No ☐
If no, explain: Enter text.

Have all other necessary items to start construction been completed? Yes ☐ No ☒
If no, explain: Project is still in the design phase. Construction contracts to be executed after bidding.

List all relevant permits required to start or continue construction in **Table 3**.

Table 3 – Permits

Agency	Permit No.	Permit Type (Water/WW, ERP, CUP, Building)	Permit Obtained?		Permit Date (expected date if not obtained yet)
			Yes	No	
City of Springfield	TBD	RWM	Enter text.	No	August 2021
Palm Beach County	TBD	Right-of-Way	Enter text.	No	October 2021
FDOT	TBD	Right-of-Way	Enter text.	No	October 2021

1. **If applicable, provide the name of the related project in the water supply plan (WSP) associated with the proposed work. Projects can be found in the relevant WSP. If the project is not included in a WSP, indicate if**

STATE OF FLORIDA FUNDING CONSIDERATION

ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

it is included in the Water Supply Facilities Work Plan and/or Capital Improvement Schedule in the applicable local government's Comprehensive Plan:

"Springfield Reclaimed Water System Expansion – Phase 2": Lower East Coast Water Supply Plan Update 2018, page E-6; and the City of Springfield Florida Capital Improvement Program Budget FY 2020-2024, project number P4567

Name of Water Supply Plan Project Title or Local Government Project Title

2. Please address the following factors described in FDEP's Guidance Memorandum, dated July 22, 2019 and/or Section 373.707, F.S. (alternative water supply development):

a. In addition to water supply benefits, does the project provide any water quality benefits? If so, please explain.

The increased efficient use of reclaimed water by the City will result in a corresponding decrease in discharges to the ocean.

b. In addition to water supply benefits, does the project provide complementary benefits such as water conservation, flood protection, or recreational benefits? If so, please explain.

Yes, the project will provide complementary benefits such as water conservation. Customers currently using potable water for irrigation in Island Park and the Sports Complex will have the opportunity to convert to reclaimed water, thereby reducing the demand for potable water for irrigation and the City's need for increased aquifer withdrawals.

c. Describe the quantity of water supplied by the project compared to its construction cost. Provide a calculation showing the average annual daily quantity of water supplied by the project (expressed in millions of gallons of water), divided by the annualized capital cost of the project. If the project will not be used continuously, please provide the annual amount of water that will be supplied by the project. Calculations can be attached as a separate document.

The annual average daily water supplied by Phase 2a & b is 2.0 mgd. Using the Phase 2a & b total eligible project cost of $3,500,000, and a project life of 30 years, the annualized capital cost for this project is $0.24 per 1,000 gallons (using a discount rate of 2.85%).

d. Is the project going to be implemented by a multi-jurisdictional water supply entity or regional water supply authority? If yes, please provide name of entity.

No.

e. Does the project implement reuse that assists in the elimination of domestic wastewater ocean outfalls, as provided in Section 403.086(9), F.S.?

Yes. This project helps to eliminate the amount of wastewater effluent discharged through the City's ocean outfall during emergency conditions.