

**STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION**

Applications are limited to 25 pages, and all submittals must be uploaded at <https://www.sfwmd.gov/doing-business-with-us/coop-funding> by **February 26, 2024, at 5:00 PM**. Please refer to the example applications located on the website for help in completing your application. Applications must be submitted in Word format and not PDF.

PROJECT SUMMARY

Project Name: Reclaimed Water System Extension – Phase 2	
Applicant: City of Springfield Utilities	
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: 954-555-1234 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 <input type="checkbox"/>
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
Municipal area (area[s] benefited): Springfield City	Constructed on state-owned land: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
AWS Project Type (reclaimed, brackish, ASR, etc.): Reclaimed water	
Multiyear Project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Anticipated Construction Start Date: 12/1/24	Anticipated Completion Date: 12/31/26
Phase Capacity (mgd) (within 1-2 years): 2.0	Total Capacity (mgd) (upon completion): 3.0
Storage Capacity (mg): Enter text.	Reclaimed only: Distribution Capacity (mgd): 3.0
Are other agencies contributing funding to this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If yes, list the parties and interests: Enter text.	
Is the project part of your institution's capital/facilities work program? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	
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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Does the applicant understand that funds are only for applicable expenses incurred during the funding period? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Does the applicant have a Water/Consumptive Use Permit? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> If yes, provide permit number: 50-12345-W			
Local governments: Does the applicant have an irrigation ordinance consistent with Chapter 40E-24, Florida Administrative Code (F.A.C.) (Mandatory Year-Round Landscape Irrigation Conservation Measures)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> If yes, provide ordinance number: Ch. 15 Article III, Div. 1, Sec 19-82			
Does the applicant understand if the irrigation ordinance above does not fully comport with Chapter 40E-24, F.A.C., the application will be deemed ineligible for funding consideration? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>			
Local governments: Does the applicant have an approved Water Supply Facilities Work Plan pursuant to Section 163.3177(6)(c), Florida Statutes (F.S.)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> If yes, provide date approved and ordinance number: City Ordinance Ch. 11, Article 2, Sec. 10-7(c), adopted May 19, 2021			
If “no” selected above: Does the applicant have a proposed Water Supply Facilities Work Plan to be approved before February 26, 2024? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, provide proposed date and ordinance number: Enter text.			
Does the applicant understand if the Water Supply Facilities Work Plan above does not meet Section 163.3177(6)(c), F.S., the application will be deemed ineligible for funding consideration? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>			
Is the applicant in a REDI Community? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>			
Has this project received previous SFWMD or state funding? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, provide the following information:			
Year Awarded	Contract Number	Amount Awarded	Award Amount Spent
2016	4600009999	\$500,000	\$500,000
Enter text.	Enter text.	Enter text.	Enter text.
Enter text.	Enter text.	Enter text.	Enter text.
Enter text.	Enter text.	Enter text.	Enter text.

SHORT DESCRIPTION

In the box below, provide two to three sentences describing the project for which funding is being requested (what will be constructed within the funding period).

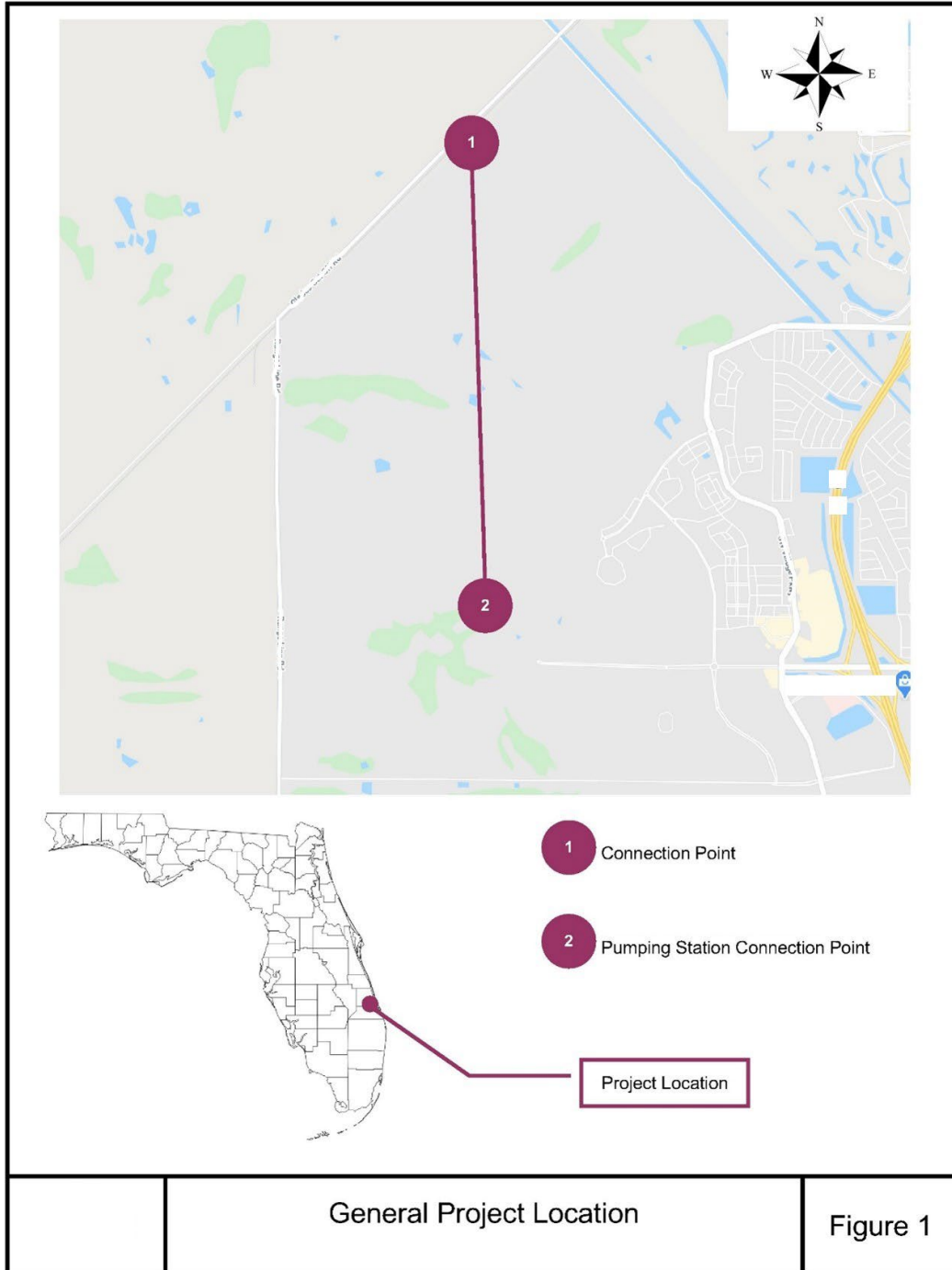
The City of Springfield Utilities Department (City) will expand the existing reclaimed water distribution system, primarily with the addition of new, large user customers. Construction of Phase 2 will install a distribution pipeline so new reclaimed water customers can be added in Phase 3. The primary 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.

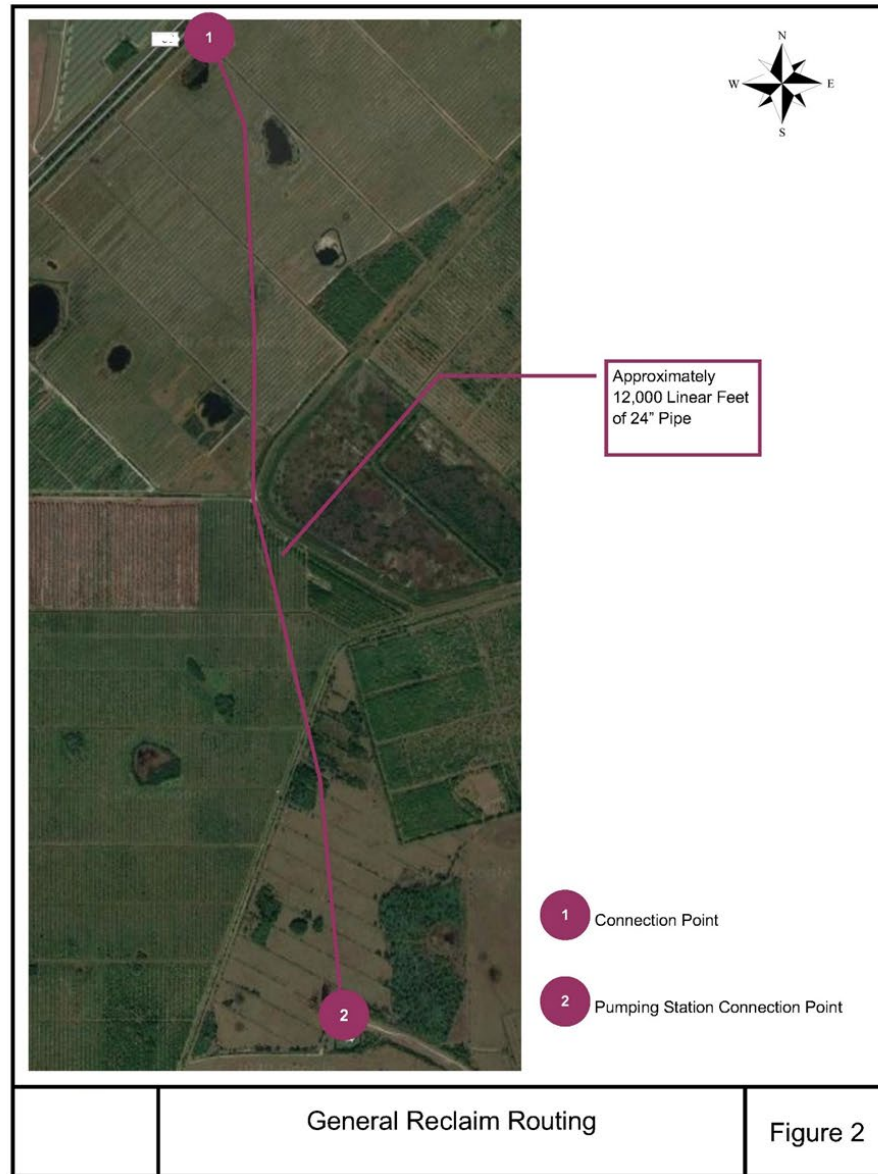
STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Figure 1: Project Location. City or town map clearly showing the project location in relation to the nearest major street or road intersection. Insert this map into the Word document as a JPEG, PNG, or GIF.



STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

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 a storage/chlorination tank). Insert this map into the Word document as a JPEG, PNG, or GIF.



**STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION**

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 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, which provides a minimum of 60% 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. 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. 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 sentences)

The objective 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 – what work will be constructed during the funding period)

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 FY25 (Phase 2a), approximately 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 approximately 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, F.A.C. The construction and installation of the reclaimed water main will be within City-owned property and easements.

Table 1. – Project Breakdown

	FY25	FY26	FY27	FY28	FY29 and Beyond	Project Total
Project Phase (e.g., Phase 1/3, etc.)	Phase 2a	Phase 2b	Phase 3	Phase 3 (cont)	Enter text.	Not applicable
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	Enter text.	Not applicable
Construction Cost (\$)	\$ 1,500,000	\$ 2,000,000	\$ 1,250,000	\$ 1,000,000	\$ Enter text.	\$ 5,750,000
Planning/Design/Engineering/ Other Costs (\$)	\$ 200,000	\$ 250,000	\$ 150,000	\$ 100,000	\$ Enter text.	\$ 700,000
Total Cost (\$)	\$ 1,700,000	\$ 2,250,000	\$ 1,400,000	\$ 1,100,000	\$ Enter text.	\$ 6,450,000
Capacity Water Made Available (mgd) ¹	0	2.0	0	1.0	Enter text.	3.0

¹ Include capacity water made available only in the year the phase or project becomes operational.

**STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION**

Table 2. – Deliverables Schedule

Task No. ¹	Deliverable(s) (List major tasks to be completed. Add lines as needed.)	Expected Start Date	Expected Completion Date	Construction Cost (\$)
1	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	12/1/24	9/30/25	\$1,500,000
2	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	8/31/25	11/30/26	\$2,000,000
Total²				\$3,500,000

¹ Applicant will be required to submit final vendor bid and/or contract documents and quarterly status reports, if awarded funding.

² 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 2024

Has the contractor been selected? Yes ☐ No ☒

If no, when: December 2023

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 design phase. Construction contracts to be executed after bidding.

In **Table 3**, list all relevant permits required to start or continue construction.

Table 3. – Permits

Agency	Permit No.	Permit Type (Water/Wastewater, ERP, CUP, Building)	Permit Obtained?		Permit Date (expected date if not obtained yet)
			Yes	No	
City of Springfield	TBD	RWM	Enter text.	X	8/2024
Palm Beach County	TBD	Right-of-Way	Enter text.	X	10/2024
FDOT	TBD	Right-of-Way	Enter text.	X	10/2024

**STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION**

1. If applicable, provide the name of the related project as it appears 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 it is included in the Water Supply Facilities Work Plan and/or Capital Improvement Schedule of the applicable local government's Comprehensive Plan:

Springfield Reclaimed Water System Expansion – Phase 2 (2018 LEC WSP pg. E-6 and City of Springfield Capital Improvement Program Budget FY25-27, project number P4567)

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

2. Please address the following factors described in the Florida Department of Environmental Protection (FDEP) Guidance Memorandum, dated July 22, 2019, and/or Section [373.707, F.S.](#) (alternative water supply development):

- a1. In addition to water supply benefits, does the project provide any water quality benefits?

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

- a2. Are you able to quantify the total phosphorus or total nitrogen reductions in pounds per year (lb/yr) or removal efficiencies? Provide your calculations.

No.

- b. In addition to water supply benefits, does the project provide complementary benefits such as water conservation, flood protection, resiliency, drought conditions, saltwater intrusion, sea level rise, green infrastructure, and/or recreational benefits? If so, please explain.

Yes, the project will provide complementary benefits such as water resource conservation. Customers currently using potable water for irrigation in the City Island Park and 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. In the event of a dry season, using reclaimed water versus potable will benefit those using the park for recreational purposes.

- c. Describe the quantity of water supplied by the project compared to its construction cost. Using the SFWMD AWS CFP Cost-Effectiveness Calculator, calculate the annualized capital cost of the current project phase(s) in \$/kgal. In the space below, show the average annual daily quantity of water supplied by the project (expressed in millions of gallons of water), the estimated construction cost of the project (see the guidelines document to know which costs are and are not eligible), and the annualized capital cost of this project phase. If the project will not be used continuously, please provide the annual amount of water that will be supplied by the project. The SFWMD AWS CFP Cost-Effectiveness Calculator containing your inputs must be submitted along with this application.

Quantity of water supplied by all phases of the project	3.0 mgd
Quantity of water supplied by this phase of the project	0.0 mgd
Estimated construction cost	\$3,500,000
Annualized capital cost of this phase*	\$0.45/1,000 gallon
*(must come from District Cost-Effectiveness Calculator)	

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

No.

- e. Does the utility have a goal-based water conservation program? In not, briefly describe your conservation program.

Yes

**STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION**

- f. Does the project implement reuse which assists in the elimination of domestic wastewater ocean outfalls, as provided in Section [403.086\(10\), F.S.](#)? If yes, answer the follow-up questions below.

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

1. Pursuant to subsection 373.707(9)(a-d), F.S., is reclaimed water metered for all users?
Yes
2. Does the utility have a rate structure based on *actual use* of reclaimed water? If no, what is the basis for charged rates?
Flat rate
3. Does the utility have education programs in place to inform the public about water issues, water conservation, and the importance and proper use of reclaimed water? If yes, provide a link.
Yes. Springfield.org/reclaimedwater
4. In the table below, list the reclaimed water users who will connect to the proposed reclaimed water project.

Name	User Demand (mgd)	Is an agreement executed (Y/N)?	Estimated connection date
City Island Park and Sports Complex	2.0	Y	2026
Shade Tree Park	1.0	N	2028

5. The following should be provided in electronic format, such as shape files or AutoCAD® to rowanves@sfwmd.gov. Files should be editable.
 - a. Existing and future wastewater service area boundary.
 - b. Existing and proposed reclaimed water distribution lines and distribution areas.
 - c. Existing and proposed reclaimed water end users.
 - d. Existence and extent of any Mandatory Reuse Zones within the service area. Include ordinance number.

STATE OF FLORIDA FUNDING CONSIDERATION
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

This section includes additional information requested by the FDEP:

<p>Is this project a continuation of an existing agreement with the FDEP or SFWMD? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, the FDEP or SFWMD Agreement Number: <input type="text"/></p>
<p>Project delivery method:</p> <p>Design-Bid-Build <input checked="" type="checkbox"/> Design-Build <input type="checkbox"/></p> <p>Construction Management At-Risk <input type="checkbox"/> Progressive Design-Build <input type="checkbox"/> Other <input type="checkbox"/></p>
<p>Is the project geographically located within an FDEP-approved Restoration Plan (i.e., Basin Management Action Plan or Reasonable Assurance Plan) area?</p> <p>The following link can be used as an interactive map to identify the BMAP status for the project: https://floridadep.gov/dear/water-quality-restoration/content/impaired-waters-tmdls-and-basin-management-action-plans</p> <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, what is the name of the Restoration Plan: <input type="text"/></p>
<p>If the project is geographically located within a Restoration Plan area, will the project be identified with a project number on the Statewide Annual Report? The following link is for the Statewide Annual Report: https://floridadep.gov/dear/water-quality-restoration/content/statewide-annual-report</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p> <p>If yes:</p> <p>Project Number: <input type="text"/></p> <p>Unique ID: <input type="text"/></p>
<p>Project Background Questions:</p> <p>What is the water-related issue? State statutes require ocean outfall facilities to install a functioning reclaimed water reuse system by no later than December 31, 2025, which provides a minimum of 60% of the facility's treatment flow for acceptable reuse purposes.</p> <p>Why is the water-related issue a problem? Without this project, the City may not achieve the statutory requirement of achieving 60% of facility flow to be reused.</p> <p>How will this project provide a solution to the problem? This project will enable the City to expand its reuse distribution capacity by 2.0 mgd.</p> <p>What water-related benefits will result from the completion of this project? Water-related benefits of this project include increased distribution capacity of its reuse system by 2.0 mgd and reduced demands on both the surficial aquifer and on the City's potable water system.</p>
<p>Will this project result in a fully completed (operational) project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>Will a Florida Licensed Professional Engineer be able to certify work completed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></p>
<p>Will a Florida Licensed Professional Geologist be able to certify work completed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/></p>