

**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, 2021 at 4:00 PM**. Please refer to the example applications located on the website for help in completing your application.

**PROJECT SUMMARY**

<b>Project Name:</b> RO Wellfield Expansion – Phase 2 Lower Floridan Aquifer Well PW-15 and PW-16	
<b>Applicant:</b> City of Springfield Utilities	
<b>Authorized Representative:</b> Laura Jones	<b>Project Manager (if different):</b> Mike Smith
<b>Address:</b> 123 North Harbor Drive	<b>Address:</b> 123 North Harbor Drive
<b>City/Zip:</b> Springfield/33333	<b>City/Zip:</b> Springfield/33333
<b>Telephone:</b> 954-555-1234 ext. 1098	<b>Telephone:</b> 954-555-6543 ext. 2835
<b>Email:</b> ljones@springfield.com	<b>Email:</b> msmith@springfield.com
<b>Federal ID Number:</b> 59-6000000	
<b>Project Latitude (decimal degrees):</b> 26.493675	<b>Project Longitude (decimal degrees):</b> -80.329744
<b>Phase Construction Cost (\$):</b> 1,500,000	<b>Total Capital Cost (\$):</b> 3,750,000 N/A <input type="checkbox"/>
<b>Requested State Funding (\$):</b> 500,000	<b>Applicant’s Match Funding (\$):</b> 1,000,000
<b>Third-Party Match Funding (\$):</b> 0	<b>State Appropriation Funding (\$):</b> 0
<b>SFWMD Planning Region:</b> Lower East Coast	<b>County:</b> Palm Beach
<b>AWS Project Type (reclaimed, brackish, ASR, etc.):</b> Brackish Water	
<b>Multi-year Project?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Anticipated Construction Start Date:</b> November 2021	<b>Anticipated Completion Date:</b> August 2024
<b>Phase Capacity (mgd):</b> 2.0	<b>Total Capacity (mgd)</b> (upon completion): 5.0
<b>Storage Capacity (mg):</b> N/A	<b>Distribution Capacity (mgd):</b> N/A
<b>Are other agencies contributing funding to this project?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, source(s): Enter text. If yes, amount(s): Enter text.	
<b>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?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, list the parties and interests: Enter text.	
<b>Is the project part of your institution’s capital/facilities work program?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>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?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>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?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>Does the Applicant understand that funds are only for applicable expenses incurred during the funding period?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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

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**If applicable, does the Applicant have an irrigation ordinance that is consistent with Ch. 40-E-24?**  
Yes  No  N/A   
If yes, provide ordinance number:

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

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**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	4600001234	\$400,000	400,000

**SHORT DESCRIPTION**

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

The City will be installing two brackish production wells in FY22. This is Phase 2 of the City’s RO wellfield expansion. These proposed wells are located north and west of the RO WTP stretching along Conner Highway. The project includes the 24-inch diameter pipeline connecting the two production wells to the WTP. The Floridan Aquifer System (FAS) wells will provide an additional 2.0 mgd of capacity to supply the City’s RO WTP.

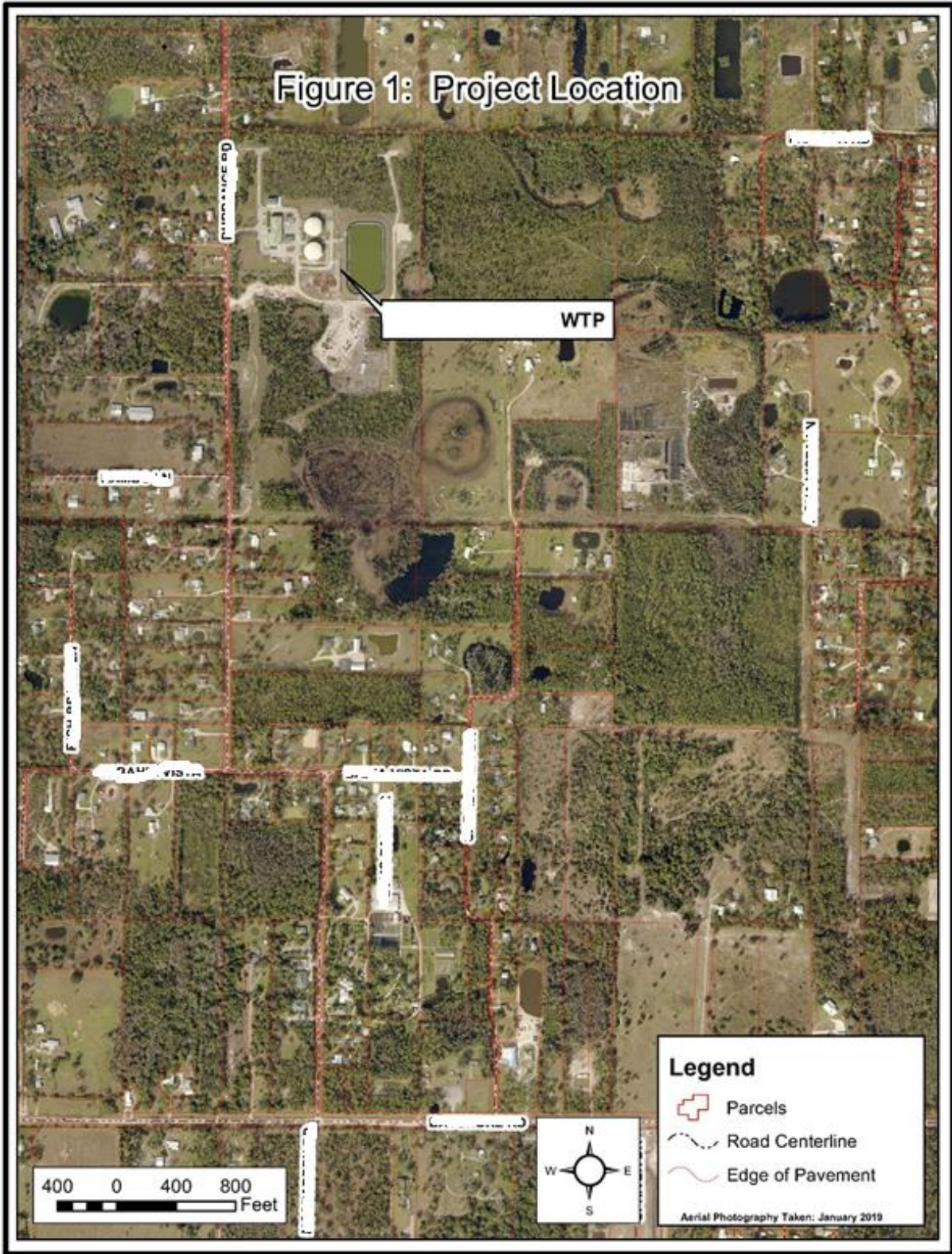
**PROJECT FIGURES**

**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.

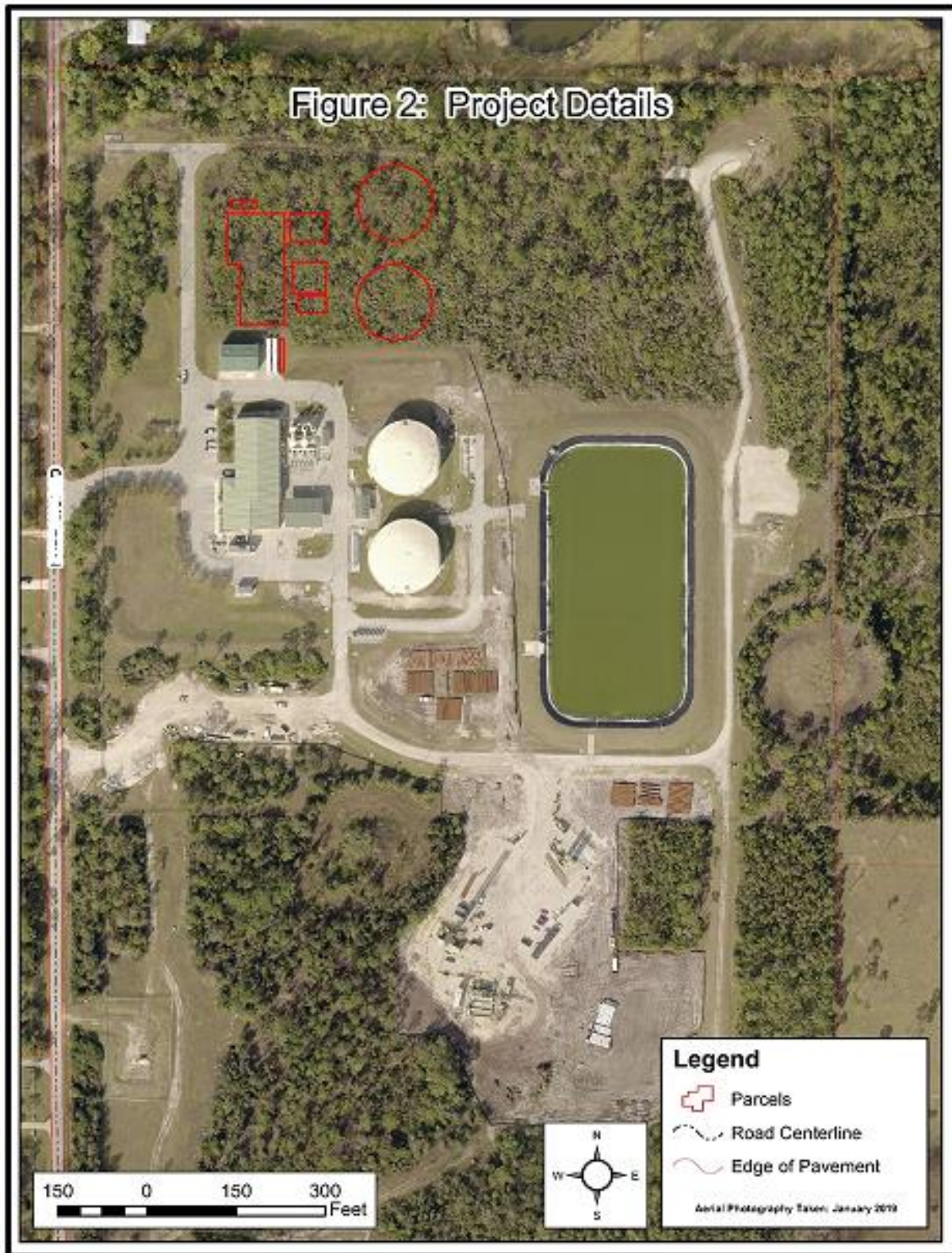
**Figure 2: Project Details.** Project-level map showing sufficient detail depicting the proposed project (e.g., show a proposed pipeline between two intersections bounding the project; show a plant layout with the proposed project phase components highlighted, such as storage/chlorination tank, etc.).

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**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 provides potable water service to approximately 10,000 accounts and approximately 30,000 water customers. The existing Springfield Wellfield, consisting of eleven brackish aquifer wells, is located both within the City's Reverse Osmosis (RO) water treatment plant (WTP) property and along various easements and properties in the City. The two proposed FAS wells (PW-15 and PW-16) are expected to provide an additional 2.0 mgd of brackish water to the RO WTP.

The City will be installing PW-15 and PW-16 as part of Phase 2 to be completed in FY22, followed by an additional three brackish production wells in Phase 3 by the end of FY24. All proposed wells are located north and west of the WTP stretching along Conner Highway. Existing wells are located at the WTP site and south west from the plant.

These future wellfield expansions and an expansion of City's RO WTP by an additional 5 million gallons per day (mgd) are needed to address future growth projections. RO WTP expansion will be necessary when the existing plant's reliable capacity is expected to be exceeded beginning in 2025 as documented in the most recent Master Plan.

**B. Objectives (1-2 paragraphs)**

The objective of the brackish water wellfield expansion is to provide additional water supply for the existing RO WTP plant and, in part, a future expansion. The addition of these wells will help to diversify the City's water sources by expanding the use of brackish water, while reducing the long-term use of its surficial aquifer wellfield.. Phase 2 is intended to increase the brackish wellfield capacity by 2.0 mgd.

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

The scope of work for this request includes two new production wells (Phase 2) drilled into the brackish FAS and connected back to the RO WTP via 5,000 linear feet of 24-inch diameter raw water pipeline. The wells and accompanying pipeline will be constructed in one contract and is expected to be substantially complete in August 2022.

The construction contract will be for drilling two FAS wells, each with a final diameter of 16-inch and be approximately 1,000 feet deep. The production well identifiers, per the City's water use permit are PW-15 and PW-16.

Simultaneously with the drilling of the wells, the pipeline to the Springfield RO WTP will also be constructed. Starting at the RO WTP there will be approximately 5,000 linear feet of 24-inch diameter High Density Poly Ethylene (HDPE) pipe installed along the following route: from the RO WTP northwest along Conner Highway to the locations of proposed wells PW-15 and PW-16 (see **Figures 1 and 2**).

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**Table 1 – Project Breakdown**

Fiscal Year	FY22	FY23	FY24	FY25 and Beyond	Project Total
Project Phase (e.g., Phase 1/3, etc.)	Phase 2	Phase 3a	Phase 3b	None	Not applicable
Major Deliverables (brief description)	2 new production wells with pipeline	1 new production well with pipeline	2 new production wells with pipeline	None	Not applicable
Construction Cost (\$)	\$ 1,500,000	\$ 750,000	\$ 1,500,000	\$ 0	\$ 3,750,000
Planning/Design/Engineering/Other Costs (\$)	\$ 200,000	\$ 225,000	\$ 0	\$ 0	\$ 425,000
Total Cost (\$)	\$ 1,700,000	\$ 975,000	\$ 1,500,000	\$ 0	\$ 4,175,000
Capacity Water Made Available (mgd) <sup>1</sup>	2.0	1.0	2.0	N/A	5.0

<sup>1</sup>Include capacity water made available only in the year the project becomes operational.

**Table 2 – Deliverables Schedule**

Task No.	Deliverable(s) (List major tasks to be completed – add lines as needed)	Expected Completion Date	Construction Cost (\$)
1	Drill Production Well PW-15, 16 inch diameter, approximately 1,000 feet deep	3/15/2022	\$550,000
2	Drill Production Well PW-16, 16 inch diameter, approximately 1,000 feet deep	8/15/2022	\$550,000
3	Install 5,000 feet of 16-inch diameter HDPE pipeline along Conner Highway from well sites to WTP	8/15/2022	\$400,000
<b>Total<sup>1</sup></b>			<b>\$1,500,000</b>

<sup>1</sup>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: 8/1/2021

**Has the contractor been selected?** Yes  No

If no, when: 10/1/2021

**Have all land purchases, agreements, rights-of-way, etc. been executed?** Yes  No

If no, explain: City Council acceptance of purchase agreement for PW-15 and PW-16 is scheduled for 8/25/21.

**Have all other necessary items to start construction been completed?** Yes  No

If no, explain: Updated SFWMD Water Use Permit has been applied for and is nearing completion. Other permit applications not completed or submitted yet.

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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	
SFWMD	#50-00246-W	Water Use		X	4/1/2021
Springfield Development Service	Not issued	Development Order		X	7/15/2021
FDEP	Not issued	Environmental Resource Permit		X	7/15/2021
FEMA Floodplain	Not issued	No Rise Certificate		X	7/15/2021
Tibbs County Natural Resources	Not issued	Vegetation Removal		X	7/15/2021
Tibbs County Dept. of Transportation	Not issued	Right of Way		X	7/15/2021
Tibbs County Development Service	Not issued	Fencing		X	7/15/2021

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

“Springfield Brackish Water Production Well Expansion – Phases 2 and 3”: 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 P8901.

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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.

No

- 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.

No

- 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.

Quantity of water supplied by project: 2.0 mgd

Estimated construction cost - \$ 1,500,000

Annualized capital cost of the project - \$ 1,500,000/1 year = \$ 1,500,000

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2,000,000 gallons per day/\$1,500,000 = 1.33 gpd/dollar

**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.](#)?**

No

EXAMPLE