

WATER SYSTEM IMPROVEMENTS

We had a very successful meeting with FDEP in Ft. Myers on May 16th to review our projects, and we were encouraged to apply for funding thru the State Revolving Loan Program by no later than June 20th.

Enclosed you will find the Request For Inclusion On The Drinking Water Priority List, and the data that FDEP requested. Gene's report had been prepared prior to our meeting and included a wastewater project for Village X. That project had to be removed for this request, and a change order for the Legislative Appropriation will be requested immediately upon funding availability to cross Rt. 98 at the sewer plant to provide access on the south side.

The SRF Board meets in August and all signs indicate our projects will be accepted and Gene can prepare a Preliminary Engineering Report. The interest rate for SRF is below 1%, and there is still a possibility of grant monies once the projects are reviewed by the State Board and scored accordingly.

This new SRF loan will NOT impact assessments for FY '20, and the line of credit will be used to pay engineering expenses during the initial stages, like the STA and Sewer Plant funds were managed.

There is no fiscal impact for SLID until the State Board sends a confirmation letter and agreement; at that point a Resolution would be adopted to accept the funding.

Hard copies of the attached materials will be available at the Board meeting, or you can stop by the office and pick up a copy.

SPRING LAKE IMPROVEMENT DISTRICT

CONCEPTUAL UTILITY PLAN

2019 WATER & SEWER UTILITY IMPROVEMENTS PROGRAM

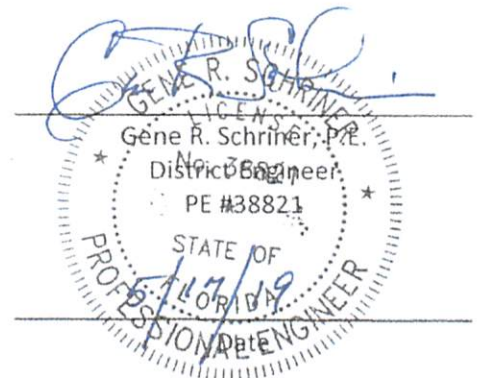
May 2019



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Spring Lake Improvement District
Conceptual Utility Plan
2019 Water & Sewer Utility Improvements Program
May 2019

General Background:

The 2019 Water & Sewer Utility Improvements Program consists of the following tasks:

1. **WATER TREATMENT PLANT #1** - electrical upgrades including addition of new generator, controls and appurtenances.
2. **WATER TREATMENT PLANT #2** - new WTP # 2 site upgrades to put the facility into operation as a community water supply and distribution system. The project includes site improvements, security fencing, demolition and liquidation of unused and/or useless assets on site, renovations to existing 400,000 gallon CROM water storage tank (including painting and disinfection), new high service pumping, controls and piping, new finished water disinfection system including all appurtenances, electrical service and back-up generator including ATS, new system electrical control panels and appurtenances, control/office building and all necessary yard piping and distribution piping to SLID existing water system at Castile Road and Madrid Drive at west end of district. This project also includes paving and partial construction of new entrance road.
3. **PINEDALE ESTATES** - installation of water distribution system.
4. **SOUTHSIDE US 98 LOOP** - watermain improvements to loop southside of US 98 water system to existing system to include 10" water main along Garden Terrace from the existing 10" water main along Duane Palmer Road. The new 10" water main will be directional bored under US 98 to the south side of US 98 and run approximately 1,330 feet to the intersection of Lake Shore Road. The new main will extend approximately 840 feet south to connect to existing 8" water main at Longbow Drive and Lake Shore. This new water main will also be used to extend east to provide service to a proposed RV facility east of Arbuckle Creek. This project will provide looping of Villages I, VI and VIII.
5. **WATER METER REPLACEMENTS** - to be conducted by the district staff.

6. **SERVICE TO VILLAGE 10** - extension of 8" force main and new 8" water main to a proposed RV park east of Arbuckle Creek.

Construction Cost Estimating:

Estimate Accuracy

The construction cost estimate for these projects are based upon preliminary information. The information in this report, consists of a conceptual level design forming a basis for the scope of work of this estimate. The American Association of Cost Engineers (AACE) defines an estimate of this type as an order of magnitude level cost estimate. An estimate of this type is normally accurate to within +50 percent to -30 percent of the actual cost. In other words, the final cost of the projects (based on the current scope of work) should fall within a range of 30 percent lower to 50 percent higher than this estimate.

Assumptions

Assumptions used in preparation of this estimate include:

- The estimate reflects May 2019 construction costs with the Engineering News Record (ENR) Construction Cost Index (CCI).
- Equipment prices were obtained from vendor quotes and are for material prices only if noted as such. Installation costs for equipment were estimated in one of two ways. For certain equipment, installation costs were estimated as a percent of the vendors quoted price considering the nature and complexity of installation. For other equipment, estimated labor hours for installation were assigned. In the absence of vendor quotes, material prices were obtained from R.S. Means Guides and CAS historical cost database.
- General conditions costs were applied as applicable (Items 1-4 or 7 of the cost bid schedule) when appropriate.

#1 – WATER TREATMENT PLANT #1

The purpose of this project is to upgrade the water treatment plant's electrical power distribution from 208 volt, 3 phase to 480 volt, 3 phase power. The scope will include replacing the generator from 100 KW to 150 KW, the automatic transfer switch, the power panel, field instruments, miscellaneous electrical gear and all appurtenances. The engineer's estimate of probably construction cost is shown on the attached opinion of probable costs.

**WTP #1 Improvements
Opinion of Probable Costs
Electrical & Instrumentation
August 8, 2018**

<u>Items</u>	<u>Unit</u>	<u>Qty</u>	<u>Material</u>	<u>Extension (\$)</u>	<u>Labor (hours)</u>	<u>Extension (hours)</u>
Electrical						
Demolition						
Power Distribution						
Main Breaker	Ea	1	\$8,500.00	\$8,500.00	16.00	16.00
Automatic Transfer Switch	Ea	1	\$15,000.00	\$15,000.00	16.00	16.00
Power Panel	Ea	1	\$18,000.00	\$18,000.00	16.00	16.00
Miscellaneous Electrical Gear	Ea	1	\$25,000.00	\$25,000.00	40.00	40.00
Generator @ 150 kw	Ea	1	\$100,000.00	\$100,000.00	260.00	260.00
Conduit and Wire						
Conduit and Wire Lump Sum	Ea	1	\$65,000.00	\$65,000.00	1400.00	1400.00
Instrumentation						
Field Instruments	Ea	1	\$10,000.00	\$10,000.00	40.00	40.00
Process Control Panel	Ea	1	\$45,000.00	\$45,000.00	16.00	16.00
Engineering @ 10%	Ea	1	\$28,650.00	\$28,650.00	0.00	0.00
Total Material Cost:				\$315,150.00		
					Total Labor Cost:	1,804.00
					Rate per Hour:	\$75.00
					Total Labor Cost:	\$135,300.00
					Overhead & Profit (15%):	\$67,567.50
					Total Estimate:	\$518,017.50

#2 – WATER TREATMENT PLANT #2

The proposed SLID WTP #2 will include rehabilitating the existing 400,000 gallon CROM ground storage tank, yard piping modifications, demolition and/or removal of all unusable yard piping and hydropneumatics tank, and the abandonment of all of the existing buildings on site which may be renovated for future use.

The proposed water treatment plant will include the installation of three (3) new high service pumps that will be installed outside adjacent to the ground storage tank. Each pump will be rated at 500 gpm at 130 feet TDH with VFD (variable frequency drives). The proposed electrical controls will be installed inside a proposed precast concrete building measuring approximately 12-feet wide by 22-feet long. It will consist of two (2) air-conditioned rooms. One large room for the electrical controls and instrumentation. The second room will be for the hypo chlorination metering pump skid and day tanks for the chemical storage.

The existing 60 HP well will need it's discharge pipe, fittings, and valves replaced. This discharge piping from this well is in disrepair.

The plant will require a 200 kw emergency generator to back up the proposed three (3) 30 hp high service pumps, the 60 hp potable water well, the electrical chemical building, and the other miscellaneous electrical mechanical components.

The district will prepare all the necessary permit applications with supporting construction drawings sufficient for bidding and permitting by the Florida Department of Environmental Protection agency. CAS will also provide an opinion of probable construction cost estimate based on the final design and prepare contract documents and specifications for bidding purposes.

The scope of work for this project includes the addition of approximately 1,400 feet of a 10-inch water main that will connect the SLID WTP #2 site to the district's existing 10" diameter water main located at the intersection of Castile Road and Madrid Drive.

The project will include the construction of a 10-foot wide asphalt road that will extend from the intersection of Castile Road and Madrid Drive north approximately 1,100 feet to the entrance of the water plant. The district has obtained an easement for this proposed route in order to access the property. A security fence will be installed to secure the entire WTP #2 site.

WTP #2 Cost Estimate
Estimated Construction Costs
 May 6, 2019

<u>Water Treatment Plant No. 2 Equipment</u>	<u>Estimated Construction Costs</u>
Site Civil Work and Yard Piping	\$85,000
Crom Tank Rehab, painting plugging internal outlet pipes	\$75,000
Abandonment or grout in place tank discharge piping	\$55,000
Install proposed high service pumps inlet/discharge piping	\$140,000
Electrical Control / Office building	\$100,000
Potable water well 12" discharge pipe & fittings to Crom tank	\$20,000
Install tank altitude valve assembly & DIP piping	\$22,000
Hypochlorite metering pump skid, controls and dipping	\$48,000
Access paved road includes parking area on WTP #2 site	\$75,000
Fence around site including double gates	\$65,000
<u>Water Treatment Plant Electrical & Instrumentation</u>	
Power Distribution	
Duke Energy Electrical service transformer	\$11,500
400-amp Automatic Transfer switch	\$11,845
400-amp Main Braker	\$22,080
400-amp Power Panel	\$22,540
Miscellaneous Electrical Gear	\$26,220
Generator @ 200 kw w/ Base Mounted Fuel Tank	\$108,560
Conduit and wire Lump Sum	\$74,290
Field instruments	\$37,260
Process Control Panel	\$60,260
RTU	\$34,960
Miscellaneous Instrumentation	\$19,487
Data Flow SCADA System	\$51,500
<u>Distribution Piping</u>	
10-inch PVC pipe to existing water line in District @1400 feet	\$70,000
10-inch valves and fittings	\$12,000
<hr/>	
Subtotal	\$1,247,502
Contingency @ 15%	\$187,125
Engineering @ 8.5%	\$121,943
Survey	\$14,750
Electrical Engineering	\$27,000
Construction Services	\$38,335
<hr/>	
Total Proceeds Required	\$1,636,656

#3 – PINEDALE ESTATES WATERMAIN

The purpose of this project is to install an 8" potable water main, fire hydrants, including water services and meters to serve the existing 50 single family homes in the Pinedale Estates subdivision.

The district's existing water mains now extend to the intersection of Revson Avenue and US 98 to the southside of US 98. This subdivision is located due south of this intersection on the south side of US 98. The preliminary estimated project budget for this project is \$580,511.

The district will provide engineering services during the bidding and construction of the potable water main extension into the Pinedale Estates subdivision.

District Engineer will design and prepare bidding and construction plans including technical specifications and contract documents for the 8" water main extension. The District will coordinate and prepare permit applications with FDEP and all other affected agencies.

**Pinedale Estates Water System
Preliminary Construction Cost Estimate
March 27, 2018**

	<u>Qty</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<u>Miscellaneous</u>				
Mobilization	1	LS	4.00%	\$17,591
Maintenance of Traffic	1	LS	1.50%	\$6,597
Survey, Stake-out & As-Builts	1	LS	2.00%	\$12,000
Density Testing	1	LS	1.00%	\$5,026
Preconstruction Video	1	LS	0.50%	\$1,000
Trench Safety	1	LS	0.25%	\$977
Erosion Control	1	LS	1.50%	\$5,861
			Subtotal:	\$49,052
<u>Watermain System & Appurtenances</u>				
8" C900 PVC WM	6241	LF	\$24	\$149,784
8" Directional Bore DR 11 HDPE	3	EA	\$6,250	\$19,560
8" MJ RGV	5	EA	\$1,550	\$7,750
MJ Fittings	1.00	TN	\$3,100	\$3,100
Fire Hydrant, Full Assembly	20	EA	\$3,500	\$70,000
Permanent Sample Point, Full Assembly	1	EA	\$500	\$500
Temporary Sample Point w/ Tapping Saddle	3	EA	\$300	\$900
Temporary Sample Point on Fire Hydrant	0	EA	\$500	0
2" Blow off Assembly	1	EA	\$750	\$750
Remove Plug & Connect to Existing WM	1	EA	\$2,200	\$2,200
<u>Approx. 50 homes to connect into w/ Service Laterals</u>				
Single Svcs Assembly < 20' (WM to ROW)	25	EA	\$885	\$22,125
Single Svcs Assembly > 50' (WM to ROW)	25	EA	\$1,400	\$35,000
			Subtotal:	\$311,669
<u>Roadway Restoration & Appurtenances</u>				
1 1/2" SP-9.5 (S-III) Asphalt Pavement	444	SY	\$15	\$6,660
8" Compacted Shellrock	444	SY	\$20	\$8,880
12" Compacted Subgrade	444	SY	\$10	\$4,440
Install New Stop Sign	1	EA	\$125	\$125
24" Stop Bar	20	LF	\$10	\$200
4" Dbl Yellow w/ RPM's, 50' @ EA Stop	100	LF	\$5	\$500
Grading Restoration	6240	LF	\$3	\$20,280
Seed & Mulch @ 8'-0" Along One Side of Roadway	5550	SY	\$0.50	\$2,775
Concrete Driveway Full Restoration (5' x 16' x 6")	22	EA	\$1,600	\$35,200
			Subtotal:	\$79,060
Contingency @ 10%	0.1			\$43,978
Engineering @ 20%	0.2			\$96,752
			Total Construction Cost:	\$580,511

#4 – WATERMAIN LOOP SOUTH US 98

Scope of work for the construction of the proposed 10-inch potable water mains to service the south side of US 98. The proposed 10-inch water main which will connect into the existing 10-inch diameter water main located at the intersection of Duane Palmer Boulevard and Garden Terrace and will run south along Garden Terrace past the Pike Power Inc. transformer to US 98. The water line will be installed under US 98 with a directional bore to the south side of the highway right-of-way where it will continue to the east approximately 1,330 feet to the intersection with Lake Shore Road. The proposed 10-inch water main will be installed along the east side of Lake Shore Road for approximately 840 feet south until it connects into the existing 8-inch diameter water main located at the intersection of Longbow Drive and Lake Shore Road.

**US 98 10" Water Main Crossing
Preliminary Construction Cost Estimate
November 10, 2015**

	<u>Qty</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
Mobilization @ 3%	1	LS	\$5,010.00	\$5,010.00
Maintenance of Traffic @ 1.5%	1	LS	\$2,505.00	\$2,505.00
Survey, Stake-out & As-Builts @ 2%	1	LS	\$3,340.00	\$3,340.00
Density Testing @ 1.5%	1	LS	\$2,505.00	\$2,505.00
Preconstruction Video	1	LS	\$1,100.00	\$1,100.00
1 1/2" SP-9.5 (S-III) Asphalt Pavement	100	SY	\$7.80	\$780.00
8" Compacted Shellrock	100	SY	\$8.20	\$820.00
12" Compacted Subgrade	100	SY	\$1.86	\$186.00
4" Double Yellow (Thermo.), 50 LF at each stop bar	50	LF	\$0.65	\$32.50
Seed & Mulch disturbed unpaved areas outside US 98 R/W	2500	SY	\$1.50	\$3,750.00
Sod disturbed unpaved areas within US 98 R/W	3000	SY	\$4.25	\$12,750.00
10" PVC C-900 Pipe	3010	LF	\$32.0	\$96,320.00
10" MJ Gate Valve	7	EA	\$2,250.00	\$15,750.00
MJ Fittings	2	TONS	\$2,224.00	\$4,448.00
2" Blow Off	3	EA	\$1,225.00	\$3,675.00
Remove Plug & Connect to existing 8" watermain	1	EA	\$1,000.00	\$1,000.00
10" Directional bore under US 98	120	LF	\$110.00	\$13,200.00
Air Release Valve Assembly in Vault	1	EA	\$3,500.00	\$3,500.00
Cut existing 10" WM & connect 10", assume a dry line connection	1	EA	\$2,550.00	\$2,550.00
Sample Points installed onto 10" watermain	3	EA	\$410.00	\$1,230.00
			Subtotal:	<u>\$174,452.00</u>
Contingency Allowance for unforeseen conditions	10%			\$17,445.00
Engineering & Permitting	9.5%			\$18,134.00
Construction Services	7.3%			\$12,089.00
Type "D" Services like Surveying	3.2%			<u>\$5,757.00</u>
			Total Construction Cost:	\$227,877.00



Florida Department of Environmental Protection

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

Drinking Water State Revolving Fund Program
Douglas Building, 3900 Commonwealth Blvd, Tallahassee, Florida 32399-3000

The information contained in this Request for Inclusion (RFI) application is used to determine project eligibility and priority scoring. The priority score is used to rank projects for placement on the State Revolving Fund (SRF) priority list.

Please Note: This application must be completed in its entirety before it can be processed to determine sponsor eligibility.

1. Applicant's Name and Address.

Project Sponsor: Spring Lake Impro. District Contact Person: Joe DeCerbo Title: District Manager

115 Spring Lake Drive

(street address)

Sebring

(city)

(863) 655 -1715

(telephone)

(ext.)

Highlands

(county)

jdecerbo@springlakefl.com

(e-mail)

33876

(zip code)

Contact Person Address (if different):

n/a

(street address)

(city)

(state)

(zip code)

2. Name and Address of Applicant's Consultant (if any).

Firm: Guardian CRM Inc. Contact Person: Corbett Alday Title: COO

(street address)

15000 Citrus Country Drive, Suite 331

(city)

(813) 943 -2627

(telephone)

(ext.)

33523

(zip code)

corbett.alday@guardiancrm.com

(e-mail)

3. Type of Loan Requested in this Application. Select only one loan category.

Planning Loan [] Design Loan [] Planning and Design Loan [X] Construction Loan []

Select Type of Project: Design/Bid/Build [X] Design/Build (D/B) [] Construction Manager at Risk (CMAR) []

Eligibility for a Loan. In order to be considered for a priority listing, the following conditions must be met:

- The respondent to this solicitation must qualify as a "project sponsor" as defined in 62-552.200(26), F.A.C.;
The minimum construction loan amount is \$75,000;
The project sponsor must agree to submit biddable plans and specifications within 1-year after being placed on the fundable portion of the priority list to qualify for a combined planning and design loan; and

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

- The project is part of a public water system as defined in 62-552.200(27), F.A.C., and may include drinking water supply, storage, transmission, treatment, disinfection, distribution, residuals management, and appurtenant facilities.

4. Principal Forgiveness Percentage (PF%). Is project sponsor eligible for a loan with principal forgiveness? Yes No
(see eligibility requirements below). All applicants must complete a. and b. below.

- a. Is project sponsor applying for a planning and/or design loan with principal forgiveness? Yes No . If yes, then PF 50%.
Only a sponsor that directly qualifies as a financially disadvantaged small community is eligible for a planning and/or design loan with principal forgiveness.

- b. Is project sponsor applying for a construction loan with principal forgiveness? Yes No . If yes, then calculate PF% using the formula: $PF\% = 1760/9 - 160 \times (MHI/SMHI) - 7/4500 \times P$. All applicants must complete 1. through 5. below.

1. Median household income (MHI): _____ (per recent ACS 5-yr estimate U.S. Census Bureau or verifiable estimates)
2. State median household income (SMHI): _____ (per recent ACS 5-year estimate U.S. Census Bureau)
3. Population (P) served: _____ (no. of service connections x persons/connection, include proposed connections)
4. Calculated PF% for a construction loan: _____
*20% principal forgiveness if $MHI < SMHI$ and $P > 10,000$ or 0% if $MHI > SMHI$, unless sponsor is specifically exempted.
A maximum of 50% principal forgiveness if the sponsor is connecting a disadvantaged community or has a separate water system as defined below.*
5. Select Type of Project Sponsor:

Disadvantaged/Small Disadvantaged Only Separate or Connecting Disadvantaged/Small Other

Please note that the calculated PF% is an estimate and the actual percentage will be determined by the Department. The maximum principal forgiveness percentage for a construction loan is 90% and the minimum is 20%. A qualifying sponsor is eligible to receive a maximum 50% principal forgiveness for the costs to complete an asset management plan in accordance with 62-552.700(7), F.A.C., if part of a construction loan. The amount of loan available with principal forgiveness for a project is dependent upon allocated funds for the fiscal year.

Eligibility for a loan with principal forgiveness. In order to be considered for a loan with principal forgiveness, the following conditions must be met:

- The project sponsor must qualify as a financially disadvantaged small community public water system as defined in Rule 62-552.200, F.A.C., unless the sponsor is specifically exempted from this requirement.
- The median household income (MHI) of the sponsor's service area must be less than the state median household income (SMHI) as reported from the most recent census data or from verifiable estimates, unless the sponsor is specifically exempted from this requirement.
- The population (P) of the sponsor's service area must be less than 10,000 (including future connections proposed by the project), unless the sponsor is specifically exempted from this requirement.
- The project sponsor shall have only one open loan with principal forgiveness. A loan shall be considered open until the final disbursement has been paid by the department.
- A sponsor that connects less than 250 residential private wells or connects an existing public water system with less than 250 service connections is eligible for a construction loan with principal forgiveness up to a maximum of 50% if the connected community qualifies as financially disadvantaged.
- A sponsor that owns and operates a separate, non-interconnected, public water system that qualifies as a financially disadvantaged small community, regardless of the number of systems owned and operated by the sponsor, is eligible for a construction loan with principal forgiveness for that system up to a maximum of 50%.
- A financially disadvantaged community with a population of 10,000 or more is eligible for a construction loan with 20% principal forgiveness if dollars are available after funding all eligible financially disadvantaged small community systems.

5. Interest Rate Percentage.

The interest rate for a loan with the Department is determined using the formula:

$$\% \text{ of MR} = 40 \times (MHI/SMHI) + 15$$

$$\% \text{ of MR} = \text{Percentage of Market Rate.}$$

Calculate and complete the % of MR below:

$$\% \text{ of MR for a loan: } \underline{61\%}$$

$$(35\% \leq \% \text{ of MR} \leq 75\%)$$

Please note that the calculated % of MR is an estimate and the actual interest rate will be determined by the Department. The market rate shall be established using the Thomson Publishing Corporation's "Bond Buyer" 20-Bond GO Index. Projects with a drinking water supply component as defined in 403.8532(9)(a), F.S. or a water conservation component per 62-552.300(1)(e)l.d.;

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and sponsors with an accepted/implemented asset management plan may qualify for additional interest rate reductions in accordance with 62-552.300(6)(b), F.A.C. Interest rate reductions are also available for implementation of EPA's Davis-Bacon (DB) and American Iron & Steel (AIS) requirements. The interest rate for a loan shall not be less than zero percent.

6. **Base Priority Score.** Each project shall receive a base priority score (BPS) dependent on the weighted average of its components. The BPS shall be determined using the below formula where CPS means the component priority score and CCC means component construction cost.

$$BPS = [CPS_1 \times CCC_1 + \dots + CPS_n \times CCC_n] / \text{Total Construction Cost}$$

Select each component and component score in Table 1 below that applies to the project, fill in the estimated construction cost, and calculate the base priority score.

- Component priority scores that are based on contaminant levels must be justified by sample analytical data (see exception in notes at bottom of Table 1). The date that samples were collected must be less than 24-months from the date of submittal of a Request for Inclusion. The sampling data must show an ongoing and current problem with a drinking water quality standard.
- The project sponsor must provide documentation demonstrating that contaminant levels (e.g. disinfection byproducts) cannot be reduced by adjusting system operations, if applicable.
- A compliance-1 category component score of 400 points, if selected in Table 1, must be supported by documentation demonstrating the need for the project; otherwise, a component score of 300 points shall be assigned.

Table 1

Project Component <i>(Check all items that apply)</i>	Component Priority Score	Component Construction Cost
Acute Public Health Risk		
<input type="checkbox"/> <u>1a. E-Coli or Fecal Coliform Exceed MCL (62-550.310(5), F.A.C.)</u>	800 points <input type="checkbox"/>	_____
<input type="checkbox"/> <u>1b. Nitrate, Nitrite, or Total Nitrogen Exceed MCL (62-550.310(1), F.A.C., Table 1)</u>		
<input type="checkbox"/> <u>1c. Lead or Copper Exceed Action Level (62-550.800, F.A.C.)</u>		
<input type="checkbox"/> <u>1d. Surface Water Filtration and Disinfection Noncompliance (62-550.817(2), F.A.C.)</u>		
Potential Acute Public Health Risk		
<input type="checkbox"/> <u>2a. Nitrate, Nitrite, or Total Nitrogen 50% of MCL (62-550.310(1), F.A.C., Table 1)</u>	700 points <input type="checkbox"/>	_____
<input type="checkbox"/> <u>2b. Microbiologicals Exceed MCL (62-550.310(5), F.A.C.)</u>		
<input type="checkbox"/> <u>2c. Surface Water Enhanced Filtration and Disinfect. Noncompliance (62-550.817(3), F.A.C.)</u>		
<input type="checkbox"/> <u>2d. State Health Certification of Acute Health Risk, Unregulated Microbiological Contaminant</u>		
<input type="checkbox"/> <u>2e. Violation of Disinfection Requirement (62-550.310(2), F.A.C., Table 2)</u>		
Chronic Public Health Risk		
<input type="checkbox"/> <u>3a. Inorganic or Organic Contaminant Exceed MCL (62-550.310(1 & 4), F.A.C., Tables 1,4,5)</u>	600 points <input type="checkbox"/>	_____
<input type="checkbox"/> <u>3b. Disinfection Byproducts Exceed MCL (62-550.310(3), F.A.C., Table 3)</u>		
<input type="checkbox"/> <u>3c. Radionuclides Exceed MCL (62-550.310(6), F.A.C.)</u>		
Potential Chronic Public Health Risk		
<input type="checkbox"/> <u>4a. Inorganic or Organic Contaminant 50% of MCL (62-550.310(1 & 4), F.A.C., Tables 1,4,5)</u>	500 points <input type="checkbox"/>	_____
<input type="checkbox"/> <u>4b. Disinfection Byproducts 80% of MCL (62-550.310(3), F.A.C., Table 3)</u>		
<input type="checkbox"/> <u>4c. State Health Certification of Chronic Health Risk, Unregulated Chemical Contaminant</u>		
Compliance-1/System does not meet or requires the following:		
<input type="checkbox"/> <u>5a. Infrastructure upgrade to facilities undersized, exceed useful life, or with equipment failures</u>	400 points <input type="checkbox"/>	_____
<input type="checkbox"/> <u>5b. Insufficient water supply source, treatment capacity, or storage</u>		
<input type="checkbox"/> <u>5c. Water distribution system pressure less than 20 psi</u>		
<input type="checkbox"/> <u>5d. Eliminate dead ends and provide adequate looping in a distribution system</u>		
<input type="checkbox"/> <u>5e. Replace distribution mains to correct continual leaks, pipe breaks, and water outages</u>		
<input type="checkbox"/> <u>5f. New water system or extension of existing system to replace contaminated/low yield wells</u>		
<input type="checkbox"/> <u>5g. Lack of significant safety measures (e.g. chemical containment)</u>		
<input type="checkbox"/> <u>5h. Secondary Contaminant MCL Exceedance (62-550.320, F.A.C.)</u>		
<input type="checkbox"/> <u>5i. Drinking water supply project as defined in 403.8532(9)(a), F.S.</u>		

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Compliance-2/System does not meet or requires the following:

- 6a. Treatment, Storage, Power, and Distribution Requirements (62-555.320, F.A.C)** 300 points \$3,300,000
- 6b. Minimum Required Number of Wells (62-555.315(2), F.A.C)**
- 6c. Well Set-back and Construction Requirements (62-555.312 and 62-555.315, F.A.C)**
- 6d. Cross-Connection Control Requirements (62-555.360, F.A.C)**
- 6e. Physical Security Project Documented in a Vulnerability Analysis**
- 6f. Consolidation or regionalization of public water systems**
- 6g. Water/Energy Conservation Project**

All Other Projects

100 points _____

Note: If item 2d. or 4c. of Table 1 is selected, then a State Health Officer must complete the form "Certification of a Public Health Risk". If 50% or more of residential wells meet contaminant levels indicated in Table 1, then check the appropriate public health risk category that applies. Flooded wells and wells under the direct influence of surface water are considered an unregulated microbiological potential acute public health risk and require substantiated documentation of occurrence in lieu of sampling data.

7. Affordability Score. The extent of affordability existing in a small community to be served by the project shall be reflected in the priority score. Points shall be awarded based upon two affordability criteria: namely, median household income (MHI) and service area population (P). These points are to be added to the base priority score. Calculate the affordability score using the following formula:

$$\begin{aligned} \text{Affordability Score} &= (\text{MHI Score} + \text{Population Score}) \\ \text{MHI Score} &= 100 \times (1.00 - \text{MHI}/\text{SMHI}) \\ \text{Zero} &\leq \text{MHI score} \leq 75, \text{ rounded to nearest whole number} \\ \text{Population Score} &= 50.0 - (P/200) \\ \text{Population score} &\geq \text{zero, rounded to nearest whole number} \end{aligned}$$

8. Water Conservation Score. A project sponsor with a qualifying water conservation project is eligible to receive an additional 100 points added to their priority score if the sponsor provides a water conservation plan in accordance with EPA's Water Conservation Plan Guidelines web site <https://www3.epa.gov/watersense/pubs/guide.html>, document number EPA-832-D-98-001. The sponsor must also demonstrate that the proposed project meets the objective of the conservation plan.

9. Total Priority Score. The total priority score equals the base priority score plus the affordability score and water conservation score. Calculate and complete a. through d. below.

- a. Base priority score: 300 points.
- b. Affordability score: 33.5 points.
- c. Water conservation score: 0 points.
- d. Total priority score: 333.5 points (sum of items a. through c.)

10. Estimated Project Cost. Complete a. through k. below, including loan amount requested.
(Indicate \$0 if activity is not applicable)

<u>Project Activity</u>	<u>Cost</u>
a. Planning.	<u>\$50,000</u>
b. Design (not applicable if a D/B project).	<u>\$250,000</u>
c. Technical services per 62-552.300(3)(h), F.A.C., for planning and design.	<u>\$50,000</u>
d. Administration before bid opening (only include if not part of procurement in 'f' below).	<u>\$12,000</u>
e. Eligible land (necessary land divided by total land times purchase price).	<u>\$0</u>
f. Constr., equip., material, demo. & related procurement (include design if D/B project).	<u>\$3,400,000</u>
g. Administration during construction and after bid opening.	<u>\$36,000</u>
h. Construction contingency (10% of 'f', only applicable for Design/Bid/Build projects).	<u>\$340,000</u>
i. Technical services during construction and after bid opening.	<u>\$100,000</u>

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

- | | |
|--|--------------------|
| j. Asset management plan per 62-552.700(7), F.A.C. | <u>\$50,000</u> |
| k. Total project costs (sum of a. through j.). | <u>\$4,288,000</u> |
| <i>Loan amount requested by the sponsor in this RFI (assume no principal forgiveness).</i> | <u>\$4,288,000</u> |

List all funding sources for this project: SRF only

11. Project Schedule. Complete a. through d. below.

<u>Project Activity</u>	<u>(M/D/YY)</u>
a. Submit planning documents.	<u>4/1/20</u>
b. Submit design/bid documents or RFQ/RFP for CMAR & D/B projects.	<u>9/1/20</u>
c. Start construction.	<u>1/1/21</u>
d. Complete construction.	<u>9/1/21</u>

12. Project Information. Provide the following information, if applicable.

(Check all items that are attached to this RFI)

- Project description, location with lat/long (degrees), water system PWS ID, and project need *(this is a required attachment)*.
- Map of city/county limits, existing/proposed service area, and project area *(this is a required attachment)*.
- Lab data, lab data w/operational records, or substantiated documentation in lieu of lab data for public health risk projects.
- The form "Certification of a Public Health Risk" completed by a State Health Officer.
- Supporting documentation for projects identified under the compliance-1 categories of Table 1.
- DWSRF business plan for a design or construction loan, not a planning or combined planning/design loan.
- Detailed project schedule showing plans/specs completion in 1-year of loan execution for a combined planning/design loan.
- MHI supporting documentation if MHI not taken from the most recent ACS 5-yr estimate of the U.S. Census Bureau.
- Water Conservation Plan, including demonstration that project meets plan objectives.

13. Certification by an Authorized Representative. I certify that this form and attachments have been completed by me or at my direction and that the information presented herein is, to the best of my knowledge, accurate and true.

(signature)

(date)

(e-mail)

(print name)

(print title)

Email the completed RFI form with attachments to SRF_Reporting@dep.state.fl.us or mail to the Florida Department of Environmental Protection, State Revolving Fund Program, 3900 Commonwealth Blvd, Tallahassee, Florida 32399-3000.

For DEP Use Only	Project Number	Total Priority Score	Total Project Cost	Pop	MHI	SMHI	PF%	% of MR	Attachments Complete?	RFI Complete?
	DW									Yes <input type="checkbox"/> No <input type="checkbox"/>
	DEP Comments:									