

SRWMD FY 20/21 ALTERNATIVE WATER SUPPLY GRANTS

Project Name	Cooperator	FDEP Grant Amount	Local Match	Total Funding for Project	Project Description	Notes
Lake Butler Wastewater Treatment Facility AWT Upgrade Phase 2	Lake Butler, City of	\$10,000,000	\$0	\$10,000,000	The existing WWTF (FLA118338) operates above the permitted 0.7 MGD capacity and without nitrogen removal AWT capabilities. The City proposes to construct a new 1.0 MGD WWTF to AWT treatment standards over three phases. The new WWTF will be constructed on the same property as the existing plant. As part of this project the effluent will be further polished in a constructed wetland prior to aquifer recharge. Reuse water system and storage provided to adjacent prison, modifications & improvements to spray field. Phase 2 constructs the WWTF, treatment/recharge wetlands. Phase 3 constructs the reuse water system & spray field modifications.	Supports BMAP project 2111. This is a REDI community. This project is estimated to make 1.0 MGD of water available at completion. Phase 1 was funded in FY 19/20.
Groundwater Recharge Wetland - Task 3	GRU	\$5,000,000	\$5,000,000	\$10,000,000	GRU proposes to construct a groundwater recharge wetland southwest of the Oakmont Subdivision in Alachua County using reclaimed water from the Kanapaha Water Reclamation facility. Capacity is designed for long term growth. Estimated 3-5 MGD water recharge at completion of all phases. Task 1 and Task 2 for land acquisition and preliminary design were funded in FY19/20. Task 3 includes design, permitting and construction and will require \$5,000,000 of funding.	Task 3 may be requested as a multi-year project over future years. Design and permitting in year 1 \$500,000; Construction in year 2 \$4,400,000; and start up in year 3 \$100,000.
Alternative Water Supply Feasibility Studies	Wastewater Treatment Facilities	\$500,000	TBD	\$500,000	Conduct AWTF analysis and feasibility studies including treatment wetlands and reclaimed water alternatives. Focus on WWTF in the PFAs.	May include but not limited to Branford, Mayo, Live Oak, Lake City, Ft White, Newberry, High Springs, Alachua, Trenton, Fanning, Chiefland, Monticello, Starke, Lawtey and Bronson. Many of these are REDI communities. These projects would benefit the MFLs of the Santa Fe and Suwannee systems.
Public Supply Efficiency Improvements	Municipal Public Water Supply Entities	\$500,000	TBD	\$500,000	Infrastructure and conservation improvements to reduce water loss based on water audit information and recommendations. Reducing water loss to 10% will reduce groundwater pumping and support the NFRWSP and MFLs in the Santa Fe and Suwannee Rivers.	Projects will be focused on public supplies with water audits; recommendations by FRWA or SERCAP; or other means demonstrating water conservation and savings.
Aquifer Recharge Project	Local Governments, CII, and Agricultural self suppliers	\$2,000,000		\$2,000,000	Develop and implement aquifer recharge projects throughout the Suwannee River Basin to offset groundwater demands and enhance water supply	The source could be surface, storm, or reclaimed water. Reclaimed water is dependent upon WWTF being upgraded to AWT. These projects will benefit REDI communities.
High Springs WWTF Expansion	High Springs, City of	\$4,795,400	\$290,000	\$5,085,400	Expansion of the existing system from 0.24 to 0.48 MGD with constructed wetlands to continue septic to sewer conversion and handle system wide growth. Estimated 600 lbs./yr. of Total Nitrogen to be removed.	Supports SAFE BMAP project 2132 and 2126. Eliminates 320 existing OSTDS and provides infrastructure for adding 1500 future OSTDS. The project would benefit the MFLs of the Santa Fe system.
Live Oak Reuse	Live Oak, City of	\$3,240,000		\$3,240,000	Wastewater collection system extension, pump station and gravity sewer. The initial phase will serve 60 residential units and 3 businesses. Provides additional reclaimed water to offset groundwater pumping.	This is SUWA BMAP project 4505 and Duval St extension combined. Live Oak has a Public Access Reuse (PAR) system. The expansion would increase the availability of PAR water in the service area.
Alternative Water Supply Project	Local Governments, CII, and Agricultural self suppliers	\$30,000,000	\$0	\$30,000,000	Develop and implement alternative water supplies throughout the Suwannee River Basin to offset groundwater demands and enhance water supply	Dependent upon WWTF being upgraded to AWT as identified in the Feasibility Study. Implementation could include BMAP projects SUWA 4485, 4487, SAFE 2111, WACI 4600.
Ft. White Regional Sanitary Sewer System	Ft. White, Town of	\$4,000,000		\$4,000,000	Construction of a regional WWTF and collection/transmission system within a priority focus area and pending BMAP to serve the towns of Ft White, Three Rivers Estates, Ichetucknee Springs State Park and surrounding areas. This project will reduce TN by 257 lbs./yr. and future systems by 27.5%.	Located in the Devil's Ear PFA, this regional facility could be constructed in 3 phases of \$4 M each. In Ph 1 the TN would be reduced by 257 lbs./yr., Ph 2 and 3 would reduce another 1,139 lbs/yr.as they have the bulk of the residential units. This is a REDI community. The project benefits the Lower Santa Fe and Ichetucknee MFLs.
Archer Wastewater Systems Improvements Project, Phase 1	Archer, City of	\$9,000,000	\$885,000	\$9,885,000	Phase I will design and construct up to a 0.15 MGD advanced wastewater treatment facility and a collection system converting 306 residential, institutional and commercial septic tanks to sewer. The phase also includes the construction of treatment wetland for the effluent.	The City of Archer has received a legislative appropriation for \$235,000 for design of Phase I collection system. The City will be requesting CDBG and SRF funding. The project benefits the Lower Santa Fe MFL.
Trenton WWTF Improvements	Trenton, City of	\$5,400,000		\$5,400,000	Upgrade the existing 0.2 MGD WWTF to a 0.25 MGD AWTF. This will reduce the TN & TP load reaching the unconfined aquifer to 3ppm and 1 ppm respectively.	Current system is on the end of the life cycle and effluent levels of 15 ppm TN and 5 ppm TP have been recorded. Current inflow is 0.12 MGD so this would allow for a 20 year growth capacity. Re-use feasibility study is needed.

TOTAL \$74,435,400

Legend: AWT - Advanced Waste Treatment
 AWTF - Advance Waste Treatment Facility
 CDBG - Community Development Block Grant
 MGD - Million Gallons per Day

SERCAP - Southeast Rural Community Assistance Project
 FRWA - Florida Rural Water Association
 NFRWSP - North Florida Regional Water Supply Plan
 SRF - State Revolving Fund
 WWTF - Waste Water Treatment Facility