

Citrus County, Florida

SOUTHWEST REGIONAL WATER RECLAMATION FACILITY RECLAIMED PROJECT

FY 2024 FDEP SPRINGS FUNDING
Presentation



December 2022



Project Background

The SWRWRF was constructed and completed in 2019. The original planning and design was to include a new advanced treatment facility with the ability to send reclaimed water to the Sugarmill Woods Golf Course. Unfortunately, the County had difficulties securing a reclaim user contract with the previous owners of the golf course, therefore, placing the reclaim portion of the project on hold and in the hopes that future grant monies would be available to complete the last phase of the facility.

The original project scope of the cooperative funding agreement (Agreement No. 20CF002698) included an estimated size to provide RCW to one user, the Sugarmill Woods Golf Course. This will be the first RCW user that will be served by the County's new facility; however, the County expects demand and future users to request connection quickly after upgrades for RCW distribution are completed at the SWRWRF. The new future user, Southern Woods GC, is now requesting water for irrigation and is included as part of this funding request.

The County submitted a scope change to include increasing transmission main sizing from the proposed High Service Pumping Station at the reclamation facility to the booster pump station at the GC. The system will keep a pressure of 50 psi for future residential users while the booster pump station at the GC will allow for an increase of system pressure up to 110 psi as required by the GC. The scope change also included appropriate pipe sizing and valving for the transmission main to connect the nearby Southern Woods GC.

Project Information

Description:

Design, permitting and construction of approximately 22,000 feet of transmission mains, a 1.0 million gallon storage tank, a 1.0 mgd pump station, a 0.5 mgd booster station and other necessary appurtenances to supply 0.565 mgd of reclaimed water to replace 0.375 mgd of groundwater used for irrigation at the Sugarmill Woods golf courses and the Southern Woods golf course within the PFA of the Chassahowitzka Springs Springshed. Citrus County has executed a long-term reclaimed water supply agreement with the owner of the Sugarmill Golf Courses and currently working with the new golf course owner for the Southern Woods reclaimed water supply agreement.

Project Start: 2024

Project Completion: 2026

Funding:	Total Cost:	\$9,500,000
	FDEP Share:	\$3,981,000
	County Share:	\$3,435,000
	CFI Share:	\$2,084,000

Project Benefit:

The project benefit will be the reduction of pollutant loads by an estimated amount of 877 lbs/yr TN.

Project Ranking

The County has prioritized the following projects for the FY 2024 Springs Funding opportunity:

1. Southwest Regional Water Reclamation Facility Reclaim Project