

RESTORE Act Ecosystem Restoration Project Proposals
for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan
2012

Contact Information: Veronica Craw, Environmental Section Manager Southwest Florida Water Management District 2379 Broad Street Brooksville, FL 34604 352-796-7211 ext. 4267 Veronica.Craw@SWFWMD.state.fl.us					Date of Submittal: 10/9/2012		
Name of Project: City of Crystal River to Progress Energy Reclaimed Water Project					Org and Rank:		
Project Description: This multi-year project includes the construction of transmission mains, storage and pumping infrastructure necessary to provide treated wastewater effluent to the Progress Energy (PE) Power-Generation Complex in Citrus County, in lieu of using potable quality groundwater within that system. The project includes a 16-inch transmission pipeline approximately 42,000 feet to transport reclaimed water from the City's current spray-field operation located on County Road 495 to the boundary line of the PE complex, located west of Highway 19. This project will offset 750,000 Gallons Per Day (GPD) of groundwater.							
Project Location: Citrus county, FL							
Responsible Party: South West Florida Water Management District				Partners: Crystal River Public Works Department			
NEP:		Project Cost: \$6,233,884.00			Dollars Needed: \$6,233,884.00		
Start: 10/30/2011				Completion: 10/31/2014			
Status of Project Design and Permitting: Design and Permitting scheduled to be complete 12/31/2012.							
What Date or Year could Construction Feasibly Begin: Beginning 05/01/2013							
Your Proposed Timing of Funding (given permits, phasing, staging, etc.)							
FY	Previous	12/13	13/14	14/15	15/16	16/17	Total
		\$2,877,406.00	\$2,238,736.00	\$1,117,742.00			\$6,233,884.00
Quantify Environmental Results and How to Measure Them: The project will make reclaimed water supplies available for beneficial purposes addressing the District priority of alternative water supply development. The offset of traditional supplies (at Progress Energy) by using reclaimed water relieves stress on groundwater supplies in the Crystal River area of the Coastal Rivers Basin. This project will initially provide a flow of 750,000 gpd and an offset of 750,000 gpd. (100% offset efficiency), that will help to protect groundwater resources from salt water intrusion due to groundwater pumping.							
Economic Benefits (including ecosystem services): Total value added (Value-added is the sum of employee compensation, proprietor income, other property type income and indirect business taxes, values are in 2012 dollars) equals \$6,252,754.17. Sinkhole formation claims average \$125,500.00 per claim and will be offset by this project by decreasing groundwater withdrawals.							
Estimated number of Jobs Created or Preserved: 96							
How much Habitat will be restored and conserved:							
Quantify pollutant reductions:							

What living coastal/marine resources will be improved and by how much:

How will community resilience be enhanced:

Additional usage of reclaimed water will lower reliance on groundwater and increase resilience by offsetting groundwater withdrawals and help to protect against saltwater intrusion and sinkhole formation.

Additional Justification:

Add any photos or maps that explain project:

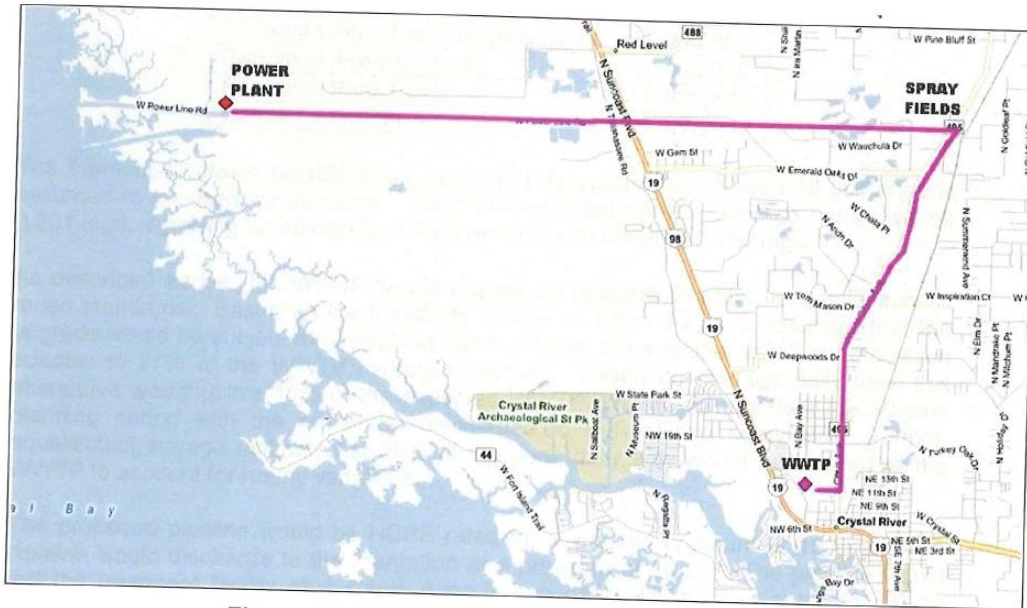


Figure 5.1: Progress Energy Pipeline Route