

Project Name: Judge Farms Project

Project Location: Osceola County

Project Number: (Steve you will need to insert this number)

Project Type: Stormwater

Description of Project:

Judge Farms Project is stormwater water storage facility utilizing natural topography to create approximately a 200 acre reservoir. It is currently being permitted as a 6 MGD supplemental reclaimed water source.



Planning-Level Project Details:

The water storage facility receives inflows pumped from three tributaries, the Judge Farms ditch, Mill Slough, and the City of Kissimmee East City Drainage Ditch. Additionally the reservoir will receive stormwater runoff from the adjacent development of the remaining Judge Farms property, approximately 400 acres, stormwater flow from the Heritage Park complex and direct rainfall. The system loses water to evaporation and groundwater seepage. Water from the reservoir will be treated and utilized to augment/supplement the use of reclaimed water for non-potable purposes such as landscape irrigation by both TWA and the City of St. Cloud. Water from Mill Slough not retained in the reservoir will flow through the reservoir and out to Lake Tohopekaliga.

Project Yield:

The project's permit application is for an average 6.0 MGD raw water withdrawal and is estimated to produce 6.0 MGD of reclaim water.

Estimated planning-level costs:

Planning level costs for a 6.0 MGD water project were made using the cost estimation (CE) tool developed for the CFWI Solutions team process (Described elsewhere in Solutions Plan Appendix?) **Table X** summarizes the preliminary estimated planning-level costs.

Table X. Summary of Estimated Planning-Level Costs for the [Project Name] Water Supply Project.

Planning Level Estimate	Phase 1 (6.0 mgd) delivered	Phase 2 (if needed) (Xx mgd) delivered	Phase 3 (if needed) (Xx mgd) delivered
Construction costs	\$20 million		
Non-construction costs			
Land costs	\$5 million		
Total Capital Costs	\$25 million		
Total Annual Costs (O&M)	\$250,000*		
Unit Cost of Production (\$/kgal)	\$0.92		

* The project costs and description do not include the costs of treatment, pumping, and distribution. These costs are unknown at this time.

Estimated Implementation Schedule:

Permits are in review by the South Florida Water Management District are currently pending. It is anticipated that the project can be implemented within the next 6 years.

Water Resource Constraints:

There are no known water resource constraints at this time.

Project Feasibility:

This project is feasible and the preliminary engineering report is completed. The property for the storage pond has already been purchased.

Permittability:

The permit for this project is currently under review by Agency.

Cost-Benefit Analysis of Yield:

As an alternative water supply (AWS) project, the Judge Farms project is intended to collect stormwater runoff and treat it to reclaim standards. This reclaim water will be used for Toho Water and City of St. Cloud irrigation customers.

Other Considerations:

The preliminary engineering report for this project has been completed.

The Toho Water Authority and Osceola County purchased the property for this project.

Potential Partners and Governance Options:

Potential partners include the Toho Water Authority, City of St. Cloud, Osceola County, City of Kissimmee, and the South Florida Water Management District.

The Toho Water Authority and Osceola County purchased the property for this project. The project footprint is approximately 200 acres.

Funding Sources:

Potential funding partners include the Toho Water Authority, City of St. Cloud, Osceola County, City of Kissimmee, and the South Florida Water Management District. Additionally the project has received a \$1.0 million dollar grant from the Florida legislature from the 2014 session.

References:

District Studies Internal

District Studies External (PDRs, APT studies, etc.)

Regulatory Sheet Placeholder