

# Source Water Reliability

Source water for this project is categorized as fully reliable with minimal seasonal variations.

## Project Costs



**Transmission Costs:** The SJRWMD costing tool for rural pipeline projects was used to estimate the transmission costs for water from the Main Street WRF to a representative recharge site within the target recharge area. Total distance estimated for costing is 25-30 miles and utilizes public rights-of-way. The transmission cost estimate includes pipeline costs, but does not include transmission pump stations. Pipeline costs are the dominant factor in calculating transmission costs.



**Treatment Costs:** Based on uncertainty around regulatory acceptance of treatment wetlands to meet nutrient removal requirements as well as PFAS removal requirements, two treatment scenarios were costed to provide a range of treatment costs. The upper range scenario is based on denitrification filters for a portion of the flow coupled with low pressure reverse osmosis for PFAS removal. PFAS removal costs were based on low pressure RO with deep well injection of the concentrate. Costs for denitrification options are based on utilizing quotes from equipment vendors and comparison against costs for similar projects within the last 3 years. Costs for treatment capacity and raw wastewater transfer upgrades are not included in this screening level estimate but will need to be evaluated in future more detailed analyses. The treatment cost lower range scenario is based on natural wetland removal of TN. Cost for this alternative is included in the recharge cost since the same wetland is providing both functions.



**Recharge Costs:** Treatment wetland costs were developed using the SJRWMD costing tool and refined based on GRU's Sweetwater Wetland construction and O&M experience. No land acquisition costs were included in this estimate.

The tables below provide estimated capital and O&M costs for the two scenarios. No land acquisition costs are included in the above cost estimates.

Option	Transmission Cost (\$M)	Treatment Costs (\$M)	Recharge Costs (\$M)	Total Capital Costs (\$M)	O&M Costs (\$M)	Annualized Cost (\$M/yr)
Upper Range (LPRO and denitrification)	50	30	10	90	3	7
Lower Range (Treatment Wetland)	50	0	10	60	0.3	3

**Notes:**

1. These are high level planning costs, developed by noted references and citations at the back of this fact sheet and do not include potential costs for potential unknowns related to Environmental Remediation, Real Estate, Permitting, Engineering.
2. O&M costs represent both variable O&M costs like electricity and process chemicals as well as fixed O&M costs incurred each year.
3. Annualized costs are based on capital costs annualized over a 30-year project life plus annual O&M costs.

## Project Schedule

July 2025 - July 2026	January 2026 - January 2029	July 2026 - July 2031	January 2027 - January 2030	January 2030 - January 2045
Feasibility Study	Permitting	Land Acquisition	Design	Construction