Abridged Application

Due February 5, 2016 by 5:00pm
SWIFT@twdb.texas.gov

By submitting this abridged application, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit a complete abridged application by the stated deadlines, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the abridged application without review.

GENERAL INFORMATION

Name of Entity	County	Regional Water Planning Area
San Angelo *Submitted via OLA*	Tom Green	F

Entity Contact Information				
Contact Person	Name	Mr. Bill Riley		
	Title	Water Utilities Director		
Mailing Address		72 West College Avenue		
		San Angelo, TX 76903-5814		
Phone Number		(325) 657-4209	Fax Number	(325) 655-6397
Email Address		Bill.riley@cosatx.us		

PROJECT DESCRIPTION

Name of Project *(As it appears in the 2016 regional water plan)*	City of San Angelo Reclaimed Water Project			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	5D-23	Capital costs listed on page:	$150m

Please attach a list of all water systems served by the proposed project.

Phase(s) Applied For	☒ Planning	☒ Acquisition	☒ Design	☒ Construction
Population Served When Fully Operational	96,177			

Description of Proposed Project

In order to support current and future water supply needs, the City of San Angelo is pursuing the implementation of a direct potable reuse project (DPR). Upgrades to the City's wastewater treatment plant will be made to allow for biological nutrient removal. Effluent from the City's wastewater treatment plant will be conveyed to an advanced water treatment facility, which will include low pressure membranes, reverse osmosis (RO) and advanced disinfection. This advanced-treated water will then be delivered to the City's surface water treatment plant where it will undergo complete conventional treatment prior to being delivered to customers. The project will be designed to treat 9-MGD of effluent, expandable up to 12-MGD of effluent. Current annual average flows are approximately 9.0 MGD. Accounting for losses to treatment residuals, initial average annual water supply yield from the project is anticipated to be approximately 7 MGD and will increase to 9.5 MGD when operating at full capacity. In addition to the advanced water treatment facilities, the project also includes improvements at the City's water and wastewater treatment plants, disposal of concentrate from the RO treatment system and conveyance infrastructure to transport the water between the treatment facilities and RO concentrate.

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Emergency *(select all that apply)*	☐ Applicant/entity's water supply will last less than 180 days. ☒ Water supply need occurs earlier than anticipated in the State Water Plan. ☐ Applicant has received or applied for Federal emergency funding. ☐ None of the above.

Agricultural Efficiency Project?	☐ Yes ☒ No	Efficiency improvement achieved by implementing the project *(Please provide an attachment showing the basis for your calculation.)* ☐ <1% ☐ 10%-13.9% ☐ 1%-1.9% ☐ 14%-17.9% ☐ 2%-5.9% ☐ ≥18% ☐ 6%-9.9%

Household Cost Factor

(Household Cost Factor for SWIFT prioritization is calculated by dividing the service area's average residential water bill by its annual median household income. For regional projects, these should represent the combined service areas of all participating entities.)

Estimated average annual residential water bill:	$465.84	**Annual Median Household Income:**	$42,855.00

The proposed project addresses:	☐ Conservation ☐ Water Loss ☐ N/A	**Annual Volume of Water Produced/Conserved by the Project** *(in acre-feet per year)*	7,842

Readiness to Proceed *(select all that apply)*	☒ Preliminary planning or design work (30% of total project) has been completed or is not required. ☒ Applicant is prepared to begin implementation or construction within 18 months of application deadline. ☐ Applicant has acquired all water rights associated with the proposed project, or none will be required.

ESTIMATED COSTS		
Estimated Project Costs	Low-interest Loan	$ 90,000,000
	Deferred Loan	$ 46,000,000
	Board Participation	$
	Local Contribution	$
	Other:	$
	Total Estimated Project Costs	$ 136,000,000

Anticipated Commitments *Attach proposed schedule for multi-year commitments*	☐ One-Time Commitment	☒ Multi-Year Commitments

Low-interest Loan:	$90 million in 2016
Deferred Loan:	$46 million in 2017
Board Participation:	$136 million