



Abridged Application

Due February 5, 2016 by 5:00pm

SWIFT@twdb.texas.gov

2016 FEB -4 A 9:31

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
City of Waco	McLennan	G

Entity Contact Information

Contact Person	Name	Ms. Lisa Tyer		
	Title	Director, Waco Water Utilities		
Mailing Address	200 Colcord Ave.			
	Waco, Texas 76707			
Phone Number	254-750-8079	Fax Number	254-750-8032	
Email Address	lisat@wacotx.gov			

PROJECT DESCRIPTION

Name of Project <i>(As it appears in the 2016 regional water plan)</i>	Water Conservation			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	2-1 to 2-9; 5.38-37 to 5.38-38;	Capital costs listed on page:	2-16; 5-38.38

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

Phase(s) Applied For	<input type="checkbox"/> Planning <input checked="" type="checkbox"/> Acquisition <input type="checkbox"/> Design <input type="checkbox"/> Construction
Population Served When Fully Operational	129,030 (estimated 2013 population); 40,705 retail service connections 5 Wholesale Water Connections



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Description of Proposed Project

Waco Water Utilities seeks to implement Advanced Metering Infrastructure (AMI) for all retail level customers and for 5 wholesale connections. This fixed-base reading system will allow for a reduction in the City's apparent water loss by reducing data handling errors and minimizing the under-reporting of actual water consumption by older meters. It will also enhance water conservation by our customers by allowing them real-time access to reported water consumption via a web-based portal, and will enable the City to be more proactive in notifying customers of water leaks. Finally, it will allow the City to implement an acoustic leak detection system which will allow for the deployment of automated leak detectors throughout our distribution system. Such a system will ensure timely identification of leaks and enable Waco staff to quickly address water loss issues within the system.

Under the 2016 Region G Water plan, it is anticipated that water savings from conservation will be 1,462 ac/ft per year by 2020, with an annual cost to achieving this of \$692,979. Waco water believes the implementation of an AMI system is a critical step towards achieving these savings and ensuring the long-term water supply of the City and the McLennan County area.

Further, in 2014, the City reported over 2 billion gallons of water lost, with just under 13% of the loss attributable to apparent loss and approximately 81% of the loss due to unknown and unreported conditions. The total cost of lost water to the citizens of Waco in 2014 is estimated at just under \$1.8 million. By deploying the AMI and acoustic leak detection system, the City will be able to reduce the amount of water loss, saving ratepayers millions of dollars over time in addition to conserving water as anticipated under the Region G Water plan.

Emergency <i>(select all that apply)</i>	<input type="checkbox"/> Applicant/entity's water supply will last less than 180 days. <input type="checkbox"/> Water supply need occurs earlier than anticipated in the State Water Plan. <input type="checkbox"/> Applicant has received or applied for Federal emergency funding. <input checked="" type="checkbox"/> None of the above.
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Agricultural Efficiency Project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Efficiency improvement achieved by implementing the project <i>(Please provide an attachment showing the basis for your calculation.)</i> <input type="checkbox"/> <1% <input type="checkbox"/> 10%-13.9% <input type="checkbox"/> 1%-1.9% <input type="checkbox"/> 14%-17.9% <input type="checkbox"/> 2%-5.9% <input type="checkbox"/> ≥18% <input type="checkbox"/> 6%-9.9%
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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:	\$ 809.16	Annual Median Household Income:	\$ 32,864
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The proposed project addresses:	<input checked="" type="checkbox"/> Conservation <input checked="" type="checkbox"/> Water Loss <input type="checkbox"/> N/A	Annual Volume of Water Produced/Conserved by the Project <i>(in acre-feet per year)</i>	1,462 ac/ft per year (estimated conservation savings by 2020 in Region G Plan)
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Readiness to Proceed <i>(select all that apply)</i>	<input checked="" type="checkbox"/> Preliminary planning or design work (30% of total project) has been completed or is not required. <input checked="" type="checkbox"/> Applicant is prepared to begin implementation or construction within 18 months of application deadline. <input checked="" type="checkbox"/> Applicant has acquired all water rights associated with the proposed project, or none will be required.
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ESTIMATED COSTS		
Estimated Project Costs	Low-interest Loan	\$ 12,000,000
	Deferred Loan	\$
	Board Participation	\$
	Local Contribution	\$
	Other:	\$
	Total Estimated Project Costs	\$ 12,000,000
Anticipated Commitments <i>Attach proposed schedule for multi-year commitments</i>		<input checked="" type="checkbox"/> One-Time Commitment <input type="checkbox"/> Multi-Year Commitments

From: [Chris Ekrut](#)
To: [SWIFT](#)
Cc: [Lisa Tyer](#); [Jay Teakell](#); [Jack Stowe](#); [Mandy Sines](#)
Subject: City of Waco - Abridged Application
Date: Wednesday, February 03, 2016 10:04:15 AM
Attachments: [SWIFT Abridged Application \(Waco AMI Project - Final\).pdf](#)

Please find attached a completed abridged application for SWIFT funding for the City of Waco. Should you have trouble accessing the attached file, please feel free to contact me at the e-mail address indicated below. For questions regarding the application, please contact:

Ms. Lisa Tyer
Director
Waco Water Utilities
254-750-8079
lisa@wacotx.gov

Thank you,

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