

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.

Section 1. APPLICANT INFORMATION

Name of Applicant		Applicant County	Regional Water Planning Area	
Lone Star Regional Water Authority		Williamson	G - Brazos	
Entity Contact Information		Proposed Project or Strategy from 2011 Regional Water Plan & State Water Plan		
Contact Person	Dan Dodson	Name of Project (from 2012 State Water Plan)	EWCRWTS Supply to Williamson County Source: BRA (Lake Granger)	
Title	General Manager			
Mailing Address	113 Limestone Terrace, Suite 202 Jarrell, Texas 76537	Where does the project appear in the 2011 Regional Water Plan?	Project on Page:	4B.17-19 & 20
			Capital Costs on Page:	\$29,733,000
Phone Number	512-751-8844	Phase(s) Applied For	<input checked="" type="checkbox"/> Planning	<input checked="" type="checkbox"/> Design
Fax Number	512-218-1668		<input checked="" type="checkbox"/> Acquisition	<input checked="" type="checkbox"/> Construction
Email Address	danwaterauth@gmail.com			

Section 2. PROJECT INFORMATION

Description of Proposed Project	
<p>BRA has a 14 MGD water treatment plant on the south side of Lake Granger. BRA has a potable 36" water line in place from the water plant west to Circleville. Lone Star Regional Water Authority intends to buy water from BRA by tying-into this existing 36" water line and construct a portion of the EWCRWTS Pipeline from Circleville to I.H. 35 in Jarrell. Storage tanks, pump stations and 23 miles of 24" pipeline will be constructed. Participants in the Project that intend to purchase water wholesale from Lone Star Regional Water Authority are the Cities of Jarrell and Granger, Jarrell-Schwertner Water Supply Corporation, Sonterra MUD (in Jarrell), Central Texas Water Supply Corporation and Bell-Milam-Falls Water Supply Corporation.</p>	

Population Served by Project When Fully Operational	Existing - 8,400 Ultimate - 42,000	Regional Project? (If yes, attach Regional Project Worksheet)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Regional Water Planning Group Priority Ranking	Calculated by TWDB 31 TAC §363.1304 (12)		
Needs Met by the Project	Calculated by TWDB 31 TAC §363.1304 (5)		



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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Readiness to Proceed <i>(select all that apply)</i>	<input 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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Section 3. REQUESTED ASSISTANCE AND OTHER PROJECT FINANCING

Estimated Project Costs	TWDB Requested Amount	\$ 24,500,000.00
	Local Contribution	\$ 0.00
	Other:	\$ 0.00
	Total Estimated Project Costs	\$ 24,500,000.00

Anticipated Commitment(s) <i>(Attach proposed schedule for multi-year commitments)</i>	<input checked="" type="checkbox"/> One Time Commitment <input type="checkbox"/> Multi-year Commitment	<input type="checkbox"/> Low-Interest Loan <input type="checkbox"/> Deferred Loan <input checked="" type="checkbox"/> Board Participation
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Section 4. SERVICE AREA INFORMATION

PWS ID #	N/A - Wholesale Provider	CCN #	N/A - Wholesale Provider
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Conservation *Calculated by TWDB | 31 TAC §363.1304 (11)*

Efficiency <i>(Agricultural Projects Only)</i>	<input type="checkbox"/> <1% <input type="checkbox"/> 1%-1.9% <input type="checkbox"/> 2%-5.9% <input type="checkbox"/> 6%-9.9%	<input type="checkbox"/> 10%-13.9% <input type="checkbox"/> 14%-17.9% <input type="checkbox"/> ≥18%
Efficiency improvement achieved by implementing the proposed project.	<i>Please provide an attachment explaining the basis for your calculation.</i>	

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:	N/A - Wholesale Provider	Annual Median Household Income:	N/A - Wholesale Provider
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Notes
<i>(Use this space to describe important project or budget details not captured in this form)</i>

WUG: Williamson County-Other
Strategy: Trinity Wells
Source: Trinity Aquifer
Facilities: Well Field, transmission and treatment
Total Capital Cost: \$1,294,000
Total Project Cost: \$1,995,000
Total Annual Cost: \$216,000
Available Project Yield: 280 acft/yr
Annual Cost of Water: \$ 770 per acft/yr or \$2.36 per 1,000 gal

This project will include two 200 gpm wells drilled to 750 ft, two miles of 4 inch diameter transmission pipeline and distribution system improvements.



WUG: Multiple WUGs in Williamson County
Strategy: EWCRWTS Supply to Williamson County
Source: BRA (Lake Granger)
Facilities: Transmission Pipelines and Pump Stations
Total Capital Cost: \$29,733,000
Total Project Cost: \$44,706,000
Total Annual Cost: \$7,844,000
Available Project Yield: 8,847 acft/yr
Annual Cost of Water: \$887 per acft/yr or \$2.72 per 1,000 gal

This project will include a 40 mile pipe network to convey water from the BRA's EWCRWTS at Lake Granger to area WUGs. WUGs that will receive water from this project include the following:

- City of Bartlett,
- City of Granger,
- City of Hutto (via City of Taylor),
- City of Jarrell,
- Jarrell-Schwertner WSC,
- Jonah Water SUD,
- City of Thrall,
- City of Weir,
- Center Texas WSC, and
- Williamson County Other.

The pipe network will originate at the EWCRWTS located on the south shore of Lake Granger. An approximately 830 horse power pump station will be located at the treatment plant; existing plant capacity is assumed to be adequate (i.e., costs for treatment plant expansion are not included). A 24-inch line will extend west along FM 1331 from the pump station to SH 95. From the intersection of FM 1331 and SH 95, a 24-inch line will extend northward along SH 95 through the Cities of Granger and Bartlett, and terminate in the City of Holland. Central Texas WSC will be supplied at the terminus of the line in Holland. In

addition to Granger, Bartlett, and Central Texas WSC, the City of Jarrell, Jarrell-Schwertner WSC, and Jonah SUD will be served by the line located along SH 95. A 6-inch line will extend eastward from Taylor to Thrall along U.S. Highway 79. For cost estimating purposes, it is assumed that existing transmission capacity from the FM 1331 – SH 95 intersection to Taylor is sufficient to convey the required supplies for Hutto and Thrall to Taylor. Hutto will be supplied at Taylor through existing infrastructure. Lastly, a 14-inch spur line will extend westward from SH 95 along SH 29 to the intersection of County Road 120. An approximately 270 horse power booster station will be included on this line. A 6-inch line will extend northward along County Road 120 to serve the City of Weir. The 14-inch line and pump station provide sufficient capacity so that the line can be extended westward along SH 29 across Interstate 35 to meet needs of Chisholm Trail SUD, which are project to occur in 2050, as part of the BRA Lake Granger Augmentation Project.

Costs for the EWCRWTS are based on construction of the facilities described above. The unit water cost is based on the total project cost and the total volume of water delivered. This cost is applied to each WUGs receiving water from the project, except as noted in the Williamson County Plan discussion.

WUG: City of Round Rock, Williamson County Other, Chisholm Trail SUD

Strategy: Lake Granger Augmentation – Conjunctive Use

Source: Lake Granger

Facilities: Water Treatment Plant Expansion, Transmission Pipeline and Pump Station

Total Capital Cost: \$152,108,000

Total Project Cost: \$229,822,000

Total Annual Cost: \$33,212,000

Available Project Yield: 38,394 acft/yr

Annual Cost of Water: \$865 per acft/yr or \$2.65 per 1,000 gal

This project will include a 65.5 MGD expansion to the BRA's EWCRWTS at Lake Granger and a 25 mile 48 inch diameter pipeline to convey water from the treatment plant to Round Rock. In addition, the project will include extending the 14-inch EWCRWTS pipeline located along SH 29 10 miles to the west, crossing Interstate 35, to serve Chisholm Trail SUD.

4B.17.4 Water Treatment Plants

There are a total of ten water user groups and or wholesale water providers that will require a water treatment plant expansion or a new water treatment plant to meet potable water demand during the planning period. New or expanded treatment plants are sized for peaking capacity. However the yield of these projects is assumed to be 50% of the expansion or plant size to be consistent with the methodology for the surface water constraints as described in Volume I, Section 3. Table 4B.17-1 summarizes water treatment plant strategies. This table includes only the water treatment plant strategies that are not included in any of the other Section 4B water management strategy evaluations.