



**State Water Implementation  
Fund for Texas**

# Abridged Application

Due by midnight on February 3, 2020

Submit via Email: [SWIFT@twdb.texas.gov](mailto:SWIFT@twdb.texas.gov)

Apply Online: <https://ola.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

Entity Name	County	Regional Water Planning Area
Guadalupe-Blanco River Authority	Caldwell, Calhoun, Comal, Dewitt, Gonzales, Guadalupe, Hays, Kendall, Refugio, Victoria	L - South Central Texas

Contact Who should TWDB contact with questions during the review of this submission?	Name	Darrell Nichols
	Title	Senior Deputy General Manager
	Phone	(830) 379-5822
	Email	dnichols@gbra.org

## PROJECT DESCRIPTION

<b>Project Name</b> As it appears in the state water plan	<b>Mid-Basin Water Supply Project (MBWSP) – Conjunctive Use with Aquifer Storage &amp; Recovery (ASR)</b>	
<b>Where can the project be found in the 2016 Regional Water Plan?</b> TWDB Staff will utilize information from both the State and Regional water plans to identify and review the project.	<b>The project is described on page #:</b>	<b>Substitution Addendum pp. 5.1-8 &amp; 5.1.9 and Regional Water Plan pp. 5.2.32-1 to 5.2.32-15</b>
	<b>The capital cost is listed on page #:</b>	<b>Regional Water Plan p. 5.2.32-13</b>
<b>Phase(s) Applied For</b>	<input checked="" type="checkbox"/> Planning <input checked="" type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Construction	
<b>Population Served When Fully Operational</b>	172,200 @ 2030 and 332,100 @ 2070 per 2022 State Water Plan data.	

## DESCRIPTION OF PROPOSED PROJECT COMPONENTS

Please be sure this description includes all major project components and clearly states what the project seeks to accomplish. A high level of detail is not necessary at this stage—such information is collected later in the application process—but the description should make clear that the proposed work is the same as identified in the regional water plan.

GBRA's Mid-Basin Water Supply Project (MBWSP) is a multi-phased and multi-sourced project intended to meet the immediate and projected needs of GBRA's existing customers and other entities within its statutory district.

Phase 1 of the MBWSP will produce 15,000 acft/yr of firm groundwater supply from the Carrizo Aquifer in Gonzales and Caldwell Counties using planned wells operating under current leases owned by GBRA and current permits from the Gonzales County Underground Water Conservation District held by GBRA. This groundwater will be treated in a planned water treatment plant to be shared with Alliance Regional Water Authority (ARWA) near the well field. Treated water will be delivered through planned transmission systems to be shared with ARWA (as well as improved existing transmission systems) to make water available to contracted customers including the cities of New Braunfels and Lockhart and the Goforth Special Utility District.

Phase 2 of the MBWSP is planned to deliver an additional firm supply of 27,000 acft/yr based on surface water diversions from the Guadalupe River near Gonzales under Water Use Permit #12378 pending before the Texas Commission on Environmental Quality. Interruptible run-of-river diversions under this permit will be made firm using aquifer storage & recovery (ASR) and/or off-channel reservoir storage. Major project components planned for this phase of the MBWSP include river intake & pump station, raw water transmission, off-channel reservoir storage, treatment, aquifer storage & recovery (ASR), and treated water transmission facilities. These new supplies are expected to meet projected needs within Caldwell, Comal, Gonzales, Guadalupe, and Hays counties.

In 2018, GBRA received a \$165,855,000 multi-year SWIFT funding commitment for Phase I of the MBWSP referred to as the Carrizo Groundwater Supply Project (CGSP). On June 27, 2018, GBRA and ARWA entered into an agreement to share water treatment and transmission facilities for a portion of the ARWA Phase 1B Project and GBRA's CGSP. Shared project facilities include the water treatment plant, treated water transmission segments (A, B, D, and E1 in ARWA project nomenclature), a booster pump station, and an inline elevated storage tank. GBRA facilities for this project include a 15,000 acft/yr wellfield, raw water collection and transmission facilities, terminal delivery pipelines to Lockhart and NBU, and improvements at the San Marcos Water Treatment Plant High Service Pump Station to accommodate treated water deliveries to Goforth SUD through GBRA's existing IH35 Treated Water Delivery System. This application seeks additional funding to cover updated project cost and contingency estimates resulting from more detailed preliminary engineering analyses, increasing construction and construction materials costs, and revision of ARWA's initial capacity components in shared facilities.

<b>Emergency</b> Select all that apply	<input type="checkbox"/> Applicant/entity's water supply will last less than 180 days. <input type="checkbox"/> Applicant has received or applied for Federal emergency funding. <input checked="" type="checkbox"/> None of the above.
---	---

Agricultural Efficiency Project?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

<b>If "Yes," agricultural efficiency improvement achieved by implementing the project:</b> Please provide an attachment showing the basis for your calculation.	<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%	

Household Cost Factor	
Household Cost Factor 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.	

<b>Estimated average annual residential water bill:</b>	\$372	<b>Annual Median Household Income:</b>	\$65,100 @ 2018
---	-------	--	-----------------

<b>The proposed project addresses:</b>	<input type="checkbox"/> Conservation	<input type="checkbox"/> Water Loss	<input checked="" type="checkbox"/> N/A
--	---------------------------------------	-------------------------------------	---

Volume of Water Produced/Conserved (in Acre/Feet per Year)					
Please provide the total water supply project yield of the entire project on an annual basis in acre-feet per year, for each planning decade. A water volume in the 2040 decade, for example, is assumed to come online in or prior to the year 2040 but is a snapshot annual volume for that decade; it is not a sum of the annual use in the decade.					

2020	2030	2040	2050	2060	2070
0	15,000	15,000	15,000	15,000	15,000

<b>Readiness to Proceed</b> Select all that apply	<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.
--	---

## ESTIMATED COSTS

<b>Low-interest Loan</b>	\$ 10,654,350
<b>Deferred Loan</b>	\$ 735,000
<b>Board Participation</b>	\$ 35,710,650
<b>Local Contribution</b>	\$
<b>Other:</b>	\$
<b>Total Estimated Project Costs</b>	\$ 47,100,000

<b>Anticipated Commitments</b> Please attach proposed schedule for multi-year commitments.	<input checked="" type="checkbox"/> One-Time Commitment	<input type="checkbox"/> Multi-Year Commitments
---	---	---

<b>Anticipated Debt Service Structure</b> Please attach explanation if requesting non-level debt service.	<input type="checkbox"/> Level	<input checked="" type="checkbox"/> Other Request
--	--------------------------------	---

**LIST OF WATER SYSTEMS SERVED BY THE PROPOSED PROJECT**

NAME	PWS ID
New Braunfels Utilities (City of New Braunfels)	TX0460001
Goforth Special Utility District	TX1050019
City of Lockhart	TX0280001

## ATTACHMENTS CHECKLIST

- Methodology for determining agricultural conservation savings (if applicable)
- Proposed multi-year commitment schedule (if applicable)
- Proposed debt service structure (if applicable)

### Explanation of requested debt service structure

This project involves the development of a well field located primarily in Gonzales County to provide up to 15,000 acft/yr of treated water to New Braunfels Utilities, Goforth Special Utility District, and the City of Lockhart. The project includes multiple wells, a water treatment plant, pump stations, and more than 50 miles of transmission lines. Board Participation is being requested as the project is a long term water supply in the State Water Plan with infrastructure that is being right-sized for ultimate capacity and most of that capacity will not be utilized within the first 8 to 10 years.

## SUBMITTAL

<b>Instructions</b>	To submit your Abridged Application via email, please send this form to <a href="mailto:SWIFT@twdb.texas.gov">SWIFT@twdb.texas.gov</a> .
	To submit your Abridged Application using TWDB's Online Loan Application tool, please visit <a href="https://ola.twdb.texas.gov">https://ola.twdb.texas.gov</a> .
<b>TWDB Contact Information</b>	If you would like to schedule a meeting to discuss your project with TWDB staff, please contact the Regional Project Development Team for your region: <a href="http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp">http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp</a> .
	For general SWIFT program inquiries, please email <a href="mailto:SWIFT@twdb.texas.gov">SWIFT@twdb.texas.gov</a> .