



**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 |
|-----------------------------------|--------|------------------------------|
| Alliance Regional Water Authority | Hays   | L - South Central Texas      |

| <b>Contact</b><br>Who should TWDB contact with questions during the review of this submission? | Name  | Graham Moore   |
|--|-------|--|
|  | Title | Executive Director   |
|  | Phone | (512) 294-3214   |
|  | Email | <a href="mailto:gmoore@alliancewater.org">gmoore@alliancewater.org</a> |

## PROJECT DESCRIPTION

|   |  |           |
|---|--|-----------|
| <b>Project Name</b><br>As it appears in the state water plan  | Hays/Caldwell PUA Project  |           |
| <b>Where can the project be found in the 2016 <u>Regional</u> Water Plan?</b><br>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>   | 5.2.25-1  |
|   | <b>The capital cost is listed on page #:</b>   | 5.2.25-11 |
| <b>Phase(s) Applied For</b>   | <input type="checkbox"/> Planning <input type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Construction |           |
| <b>Population Served When Fully Operational</b>   | 135,000  |           |

## 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.

The Alliance Regional Water Authority (ARWA), formerly the Hays Caldwell Public Utility Agency (HCPUA), received a commitment for SWIFT funding in 2017 totaling \$213.4 million in funding for planning, design, acquisition and construction of the Hays/Caldwell PUA Project Phase 1B Improvements. ARWA is seeking additional funding due projected cost increases in projects. ARWA entered into an Agreement with the Guadalupe-Blanco River Authority (GBRA) in June 2018 to receive, treat and transmit raw water from their Carrizo project for use with their wholesale customers (City of Lockhart, New Braunfels Utilities and Goforth SUD). The capacities discussed below are only the ARWA capacities in the infrastructure, they do not include GBRA's capacities.

The Phase 1B Improvements include:

- Multiple wells will be drilled and installed providing a capacity of 5,488 acre-feet of groundwater per year. Additionally, the primary collection line from the well field to the treatment plant will be installed along with the individual collection lines.
- A sand filter water treatment plant including raw water tanks, chemical dosing, sand filters, disinfection equipment, high service pump station, and clearwell storage is proposed to be designed and constructed. The plant will be constructed in phases, this first phase providing treatment capacity of 5 MGD, with an ultimate plant buildout of up to 20 MGD.
- Transmission mains totaling approximately 85-miles in length from the water treatment plant to ARWA's Sponsors will be designed and constructed. Most of the transmission mains will be sized for the ultimate Project buildout, with the exception being the main from the treatment plant to Pump Station No. 1 (see bullet below) which will have a capacity of approximately 22,500 acre-feet per year.
- An intermediate pump station (Pump Station No. 1) will also be designed and constructed. The pump station will pump water to the north to serve the City of San Marcos, City of Kyle, County Line SUD & and will connect to the Phase 1A infrastructure (funded through SWIFT funds issued in 2015) to serve the City of Buda. The pump station will also pump to the southwest to serve Crystal Clear SUD and Green Valley SUD. Finally, the station will provide water directly west to serve the City of San Marcos.
- The project will include inline elevated storage tanks on the leg to the north and the leg to the southwest to help with pipeline surge conditions and to provide emergency water storage during any times when the pump station is not able to deliver water.

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| <b>Emergency</b><br>Select all that apply | <input type="checkbox"/> Applicant/entity's water supply will last less than 180 days.<br><input type="checkbox"/> Applicant has received or applied for Federal emergency funding.<br><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><br>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> | \$908.21 | <b>Annual Median Household Income:</b> | \$45,500.35 |
|---|----------|--|-------------|

|  |                                       |                                     |   |
|--|---------------------------------------|-------------------------------------|---|
| <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   |
|-------|--------|--------|--------|--------|--------|
| 5,488 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |

|  |   |
|--|---|
| <b>Readiness to Proceed</b><br>Select all that apply | <input type="checkbox"/> Preliminary planning or design work (30% of total project) has been completed or is not required.<br><input type="checkbox"/> Applicant is prepared to begin implementation or construction within 18 months of application deadline.<br><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>             | \$ 65,000,000.00  |
| <b>Deferred Loan</b>                 | \$                |
| <b>Board Participation</b>           | \$                |
| <b>Local Contribution</b>            | \$                |
| <b>Other: Previous</b>               | \$ 213,410,000.00 |
| <b>Total Estimated Project Costs</b> | \$ 278,410,000.00 |

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

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

# LIST OF WATER SYSTEMS SERVED BY THE PROPOSED PROJECT

| NAME               | PWS ID    |
|--------------------|-----------|
| City of Buda       | TX1050012 |
| City of Kyle       | TX1050002 |
| City of San Marcos | TX1050001 |
| County Line SUD    | TX1050038 |
| Crystal Clear SUD  | TX0940015 |
| Green Valley SUD   | TX0940020 |
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## ATTACHMENTS CHECKLIST

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

## 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> .   |

SWIFT  
Proposed Multi-Year Commitment  
Annual Loan Closing Schedule

Alliance Regional Water Authority  
Project # 51044  
Hays/Caldwell PUA Project - Phase 1B

| <b>Year</b>        | <b>Proposed Closing Amount</b> |
|--------------------|--------------------------------|
| Prior Years Total  | \$117,835,000                  |
| 2020               | \$122,575,000                  |
| 2021               | \$38,000,000                   |
| Future Years Total | \$0                            |
| <b>Total</b>       | <b>\$278,410,000</b>           |