**Section I. Administrative Requirements**

1. Applicant Information
   1. **Name**

All-Texas Water District

* 1. Address

2004 W. Waterway Dr.

Springwater, Texas 78701

* 1. Constitutional Authority

All-Texas Water District Authority Act

* 1. Vendor ID Number

01-2345678

1. Legal Authority

All-Texas Water District Board of Directors

2004 Waterway Dr.

Springwater, TX 78701

**Directors:**

* A. Laguna, Chairman
* M. Frost, Vice Chairman
* Q. Lake, Secretary
* R. Dewpoint , Treasurer
* S. Cove, Member

1. Designated Representative

Oxbow Lake, General Manager

All-Texas Water District

2004 Waterway Dr.

Springwater, TX 78701

Phone: (555)123-45678

Email: Oxbow.Lake@AllTX.org

1. Affidavit of Individual to Act on Behalf of Applicant

Name: Oxbow Lake

Occupation: General Manager of the All-Texas Water District

I, Oxbow Lake, swear or affirm:

1. That I am the General Manager of the All-Texas Water District, located in Basin County, Texas, and I have been authorized by the governing Board of Directors to serve as the designated representative to perform all reasonable and necessary actions in support of submitting a grant application to the Texas Water Development Board’s Agricultural Water Conservation Grant program.
2. I authorize the submission of this grant application to the Texas Water Development Board requesting $165,000.00 to supplement our organization’s Groundwater Conservation Grant program for the purchase of efficient irrigation equipment on behalf of the All-Texas Water District’s Board of Directors. The All-Texas Water District will provide a cash match in the amount of $200,000.00 which can be evidenced in the following Budget Sheet.

Further affiant saith not.

I SWEAR OR AFFIRM THAT THE ABOVE AND FOREGOING REPRESENTATIONS AND CORRECT TO THE BEST OF MY INFORMATION, KNOWLEDGE,

Oxbow Lake 12/2/2024  
General Manager

STATE OF TEXAS

COUNTY OF BASIN

I, the undersigned Notary Public, do hereby affirm that Oxbow Lake personally appeared before me on the **2nd**day of **December, 2024**, and signed the above Affidavit as his free and voluntary act and deed.

Notary Seal of Texas

Basin, County

ROsmosis

Notary Public

External & Regulatory Affairs **All-Texas Water District 2024 Budget Balance Report**

**As of February 10, 2024**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | YTD Actual |  | Total Encumbered |  | Budget Balance |
|  |  | 2024 Current |  |  |  |  |  |  |
| Expenses |  |  |  |  |  |  |  |  |
| 17800-01 - Computer Hardware CY |  | 3,000 |  | 23 |  | 0 |  | 3,023.00 |
| 53100-00 - Contractual Professional Svcs |  | 444,000 |  | 0 |  | 0 |  | 444,000.00 |
| 54201-00 - Equipment Rental |  | 2,000 |  | 0 |  | 0 |  | 2,000.00 |
| 54300-00 - Event Sponsorships |  | 1,300 |  | 0 |  | 1,300 |  | 0.00 |
| 54500-00 - Non-Capital Assets |  | 10,000 |  | (2,500) |  | 0 |  | 12,500.00 |
| 55100-00 - Printing |  | 4,750 |  | 0 |  | 0 |  | 4,750.00 |
| 55400-00 - Conferences, Seminars & Ed  55500-00 - Meeting Expenses |  | 15,000  3,700 |  | 0  0 |  | 500  100 |  | 14,500.00  3,600.00 |
| 56103-00 - Field Supplies |  | 2,000 |  | 0 |  | 0 |  | 2,000.00 |
| 56105-00 - Office Supplies |  | 100 |  | 0 |  | 0 |  | 100.00 |
| 56501-00 - Memberships |  | 3,700 |  | 500 |  | 0 |  | 3,200.00 |
| 56502-00 - Subscriptions & Publications |  | 6,000 |  | 0 |  | 0 |  | 6,000.00 |
| 58100-00 - Conservation Grants |  | 220,000 |  | (50,000) |  | 0 |  | 270,000.00 |
| Total Expenses |  | 716,000 |  | (52,000) |  | 2,100 |  | 765,673.00 |

1. Commitment to Water Conservation

The All-Texas Water District (A-TWD) recognizes that regional and individual groundwater conservation planning is essential in managing regional water resources (A-TWD, 2014). The A-TWD’s conservation planning is demonstrated through the administration of the A-TWD Groundwater Conservation Plan (GCP) and Groundwater Conservation Grant Program.

The A-TWD GCP serves as guidance for permit holders utilize when creating and administering their individual GCPs. The A-TWD “…requires certain groundwater withdrawal permit holders to develop and implement individual groundwater conservation plans…” and the A-TWD GCP guides the promotion and documentation of recommended conservation measures or Best Management Practices (BMPs) (A-TWD, 2014). It is important that individual GCPs are maintained and checked for relevancy by the permit holder therefore the A-TWD requires GCP status reports by filed every three years. The status reports enable permit holders to remain cognizant on their water conservation initiatives and update their BMP strategies when necessary. A copy of the A-TWD GCP can be found in Appendix A.

The Groundwater Conservation Grant program provides financial assistance for projects that serve the public interest by enhancing water conservation of the All-Texas Water District (A-TWD, 2017). Past grant projects have focused on the implementation of water conserving practices that are recommended in the A-TWD GCP, such as using more efficient sprinkler heads on linear and center pivot sprinklers or installing sub surface drip irrigation tape.

A-TWD Rules require individuals with irrigation withdrawal permits to file Irrigation Assessments with the A-TWD that demonstrate the irrigation practices currently in use. A-TWD rules stipulate that the irrigation methods employed by permitted irrigators must average an irrigation efficiency of 60%. Irrigation methods are rated using irrigation efficiency standards developed by the Natural Resources Conservation Service. If an Irrigation Assessment indicates that an efficiency is less than 60%, then the irrigator is required to file an Irrigation Groundwater Conservation Plan and identify which efficient irrigation method will be employed to reach the minimum required efficiency. The A-TWD is committed to assisting irrigators employ efficient water conservation methods into their everyday practices and providing the most efficient and appropriate technology to accomplish maximum conservation.

Efficient metering is also essential for the A-TWD and permitted water users to monitor usage when meeting Critical Period Management (CPM) requirements. A-TWD Rules require a reduction in permitted withdrawals when water levels at designated monitoring sites fall below specified thresholds. Accurate metering of water use is very critical for meeting CPM reductions in that it provides the A-TWD with dependable meter readings for regulatory compliance purposes and helps irrigators monitor their water use effectively.

**Section II. Project Information**

1. Project Description, Location, & Personnel

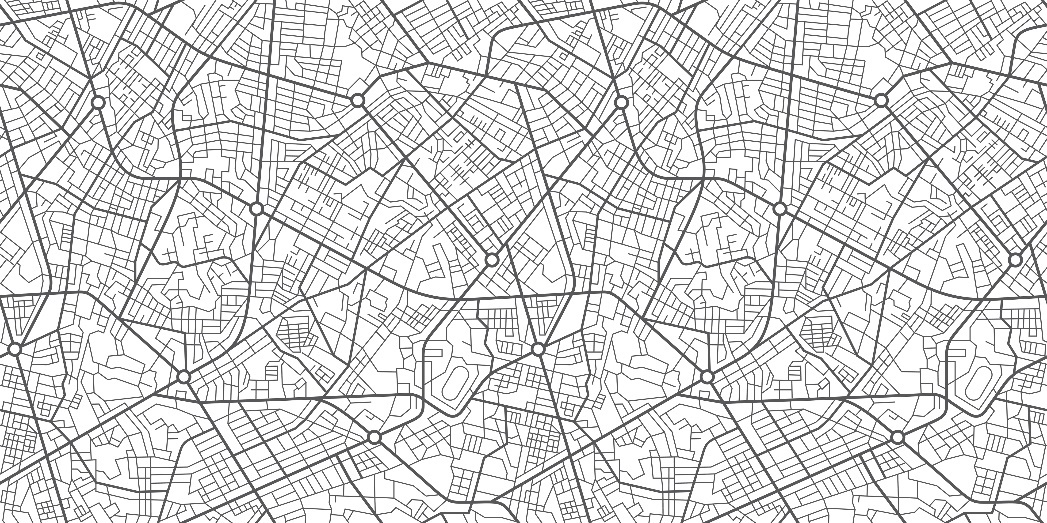
The A-TWD Irrigation Efficiency Improvement Grant Program improves water efficiency by implementing water conservation strategies among permitted All-Texas Water District users. Since 2016, the A-TWD’s grant program has solicited applications from irrigation permit holders for the purchase and installation of more efficient irrigation systems and technologies.

The A-TWD is requesting $100,000.00 from the Texas Water Development Board (TWDB) to continue the A-TWD Irrigation Efficiency Improvement Grant Program. The A-TWD will match with $200,000.00 thus allowing a total of $300,000.00 available for efficient irrigation

projects. Application deadline is June 30, 2024 and project selection will be based on irrigation efficiency improvement, adherence to RFA requirements, cost per acre-foot of water saved, cash match, and project completion by December 31, 2024. Water conservation grants have helped implement the sprinkler and micro irrigation system BMP for irrigation users through the installation of linear sprinklers, center pivot sprinklers, and subsurface drip irrigation sprinklers.

Geographic Area

The Springwater segment of the All-Texas Water District is located in Texas, extending from the western-part of Basin County to eastern Pool County and is the primary source of water for the City of Springwater and surrounding communities, as well as the source of the Basin Springs. The All-Texas Water District’s (A-TWD) jurisdictional area covers all of Basin and Pool Counties. The figure below illustrates the Springwater segment of the All-Texas Water District with the A-TWD jurisdiction outlined in red.



**All-Texas Water District Map**

Project Staff

The A-TWD Irrigation Efficiency Improvement Grant Program is coordinated by Storm Waters, who has worked at the A-TWD since 2004. Storm earned a bachelor’s degree in Biology from Texas Biology University and a Master of Natural Resources Development from Texas Biology University. Her experience with the grant program has involved developing the program’s request for applications, evaluating grant applications, disseminating contracts, and interacting with the grant recipients ensuring contractual obligations are fulfilled. Storm is also responsible for ensuring permit holders file GCP documents and status reports and is therefore well versed with the BMP requirements outlined in the A-TWD GCP. Her experience with these two programs allow her to meet the objectives of the grant and GCP programs thus ensuring the A-TWD’s commitment to regional water conservation continues. The fulfillment of duties required of the conservation grant program constitutes about 40% of her job accountability.

1. Budgets

The A-TWD Board of Directors considers water conservation as sound management from a water quantity perspective and a water quality perspective. This programmatic expansion of conservation responsibilities has allowed the A-TWD to assist with water quality programs and projects that reduce water usage. The A-TWD Irrigation Efficiency Improvement Grant Program is allotted an annual budget of $200,000.00 and since 2016, the grant program has received requests totaling over $2 million dollars. Due to the financial assistance needed by our permit holders to improve their irrigation efficiency, the A-TWD is requesting $100,000.00 from the TWDB to supplement the Irrigation Efficiency Improvement Grant Program to continue assisting regional irrigators and to prepare for the high number of possible efficient irrigation equipment projects. The proposed breakdown of the budget is as follows:

**TASK BUDGET**

|  |  |  |
| --- | --- | --- |
| **TASK** | **DESCRIPTION** | **AMOUNT** |
| 1 | Purchase Efficient Irrigation Equipment | $ 275,000.00 |
| 2 | Program Administration | $12,000.00 |
| 3 | Operations | $1,000.00 |
| **TOTAL** |  | **$288,000.00** |

Task 1: Purchase Efficient Irrigation Equipment Cost: $275,000.00

Funding will be distributed to the grant recipients solely for equipment purchase and installation.

Task 2: Program Administration: $12,000.00

Program administration will encompass the salary of project staff to administer the A-TWD’s Irrigation Efficiency Improvement Grant Program.

Task 3: Operations: $1,000.00

Operation cost entails office material expenses and travel expenses that will occur during the administration of the grant program.

###### EXPENSE BUDGET

|  |  |  |  |
| --- | --- | --- | --- |
| **CATEGORY** | **A-TWD MATCH** | **TWDB AMOUNT** | **TWDB COST SHARE %** |
| Salaries & Wages | $0.00 | $ 12,000.00 | 100% |
| Travel | $200.00 | $ 200.00 | 50% |
| Equipment | $137,500.00 | $137,500.00 | 50% |
| Other Expenses | $600.00 | $0.00 | 0% |
| **TOTAL** | **$138,300.00** | **$149,700.00** | **$288,000** |

Cost-share match will be provided by the A-TWD in the amount of $175,000.00 cash match and

$13,000.00 in-kind match. These amounts have been confirmed designated as water conservation grant monies by the A-TWD Board of Directors for the 2024 calendar year, as indicated on the attached budget sheet.

External & Regulatory Affairs **All-Texas Water District 2024 Budget Balance Report**

**As of February 10, 2024**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | YTD Actual |  | Total Encumbered |  | Budget Balance |
|  |  | 2024 Current |  |  |  |  |  |  |
| Expenses |  |  |  |  |  |  |  |  |
| 17800-01 - Computer Hardware CY |  | 3,000 |  | 23 |  | 0 |  | 2,977.00 |
| 53100-00 - Contractual Professional Svcs |  | 444,486 |  | 0 |  | 0 |  | 444,486.00 |
| 54201-00 - Equipment Rental |  | 2,000 |  | 0 |  | 0 |  | 2,000.00 |
| 54300-00 - Event Sponsorships |  | 1,300 |  | 0 |  | 1,300 |  | 0.00 |
| 54500-00 - Non-Capital Assets |  | 10,000 |  | (2,426) |  | 0 |  | 12,426.00 |
| 55100-00 - Printing |  | 4,750 |  | 0 |  | 0 |  | 4,750.00 |
| 55400-00 - Conferences, Seminars & Train- ing  55500-00 - Meeting Expenses |  | 15,000  3,700 |  | 0  0 |  | 409  50 |  | 14,591.00  3,650.00 |
| 56103-00 - Field Supplies |  | 2,000 |  | 0 |  | 0 |  | 2,000.00 |
| 56105-00 - Office Supplies |  | 100 |  | 0 |  | 0 |  | 100.00 |
| 56501-00 - Memberships |  | 3,700 |  | 500 |  | 0 |  | 3,200.00 |
| 56502-00 - Subscriptions & Publications |  | 6,000 |  | 0 |  | 0 |  | 6,000.00 |
| 58100-00 - Conservation Grants |  | 200,000 |  | (44,963) |  | 0 |  | 244,963.00 |
| Total Expenses |  | 696,036 |  | (46,866) |  | 1,759 |  | 741,143.00 |

1. Project Description, Scope of Work, and Deliverables

Project Description

The A-TWD Irrigation Efficiency Improvement Grant Program supports the goals of the TWDB Agricultural Water Conservation Grant Program. The A-TWD’s program directly impacts local irrigators by providing financial assistance for the implementation of irrigation system improvement projects. The program incentivizes irrigation permit holders to transition for older, less efficient practices to more efficient, water conserving methods. Past projects have included the installation of soil moisture sensors on farmland, replacing furrow irrigation through the installation of linear sprinkler systems, and replacing 20-year old center pivot systems with new, more efficient ones. These examples exemplify agriculture innovation through the incorporation of water conservation technological advancements. Projects funded through the Irrigation Efficiency Improvement Grant Program also allow permitted irrigators to maintain their livelihoods while using less water which is imperative due to the uncertainty of how future weather patterns will impact Texas.

By equipping themselves with water efficiency technology, irrigators can further their irrigation efficiency by becoming familiar with irrigation scheduling practices. The A-TWD hosts an annual A-TWD Field Day which allows permit holders in various parts of the region to conduct business as well as learn about various programs they can partake in, such the A-TWD mag meter metering program and the A-TWD Groundwater Conservation Grant program. The A-TWD Field Day will continue to serve as our educational outreach event about the importance of irrigation efficiency and the benefits sound water management, such as irrigation scheduling.

Scope of Work

The Irrigation Efficiency Improvement Grant Program will engage with All-Texas Water District irrigation permit holders through the implementation of long-term water conserving projects while adhering to guidance provided by the A-TWD GCP. The A-TWD GCP has been the cornerstone guidance for A-TWD permit holders regarding the implementation of water saving strategies in the A-TWD region and A-TWD grant program builds on the success of this document as a way to continue the success of existing agriculture conservation efforts.

March – June 2024

Prospective grant applicants will receive an RFA, application form, and sample evaluation matrix. Samples of these documents are provided in Appendix B. Grant application submission deadline is June 30, 2024. Staff from the A-TWD Conservation Department will provide technical and administrative support for interested applicants and vendors. Applications will only be accepted from A-TWD irrigation permit holders in good standing with A-TWD Rules. Copies of the solicitation and application will be available on the A-TWD website and provided at any time upon request.

July – August 2024

All timely filed grant applications will be reviewed using the Grant Evaluation Matrix resulting in a numerical score which will determine which projects are recommended for funding. The Grant Evaluation Matrix is formulated to award high numerical scores for projects that demonstrate high percentage increase in irrigation efficiency, higher cost savings per acre-foot of water saved, and for providing required documentation as referenced in the RFA. This method of evaluation supports the Agriculture Water Conservation Grant Project Objective of promoting “the adoption of innovate water

conservation practices and technologies that result in improvements in irrigation efficiency.” A-TWD permit holders recommended for funding will be notified by mail correspondence and a proposed conservation contract will be recommended to the A-TWD Board of Directors by August 2024. Once the A-TWD Board of Directors reviews and approves the grant project recommendations, grant recipients will be notified by mail correspondence of the Board’s approval as well as an official grant contract for signature. A sample copy of an A-TWD Groundwater Conservation Grant Contract can be found in Appendix C.

September – December 2024

Contracts are executed by both the grant recipient and the A-TWD General Manager in September. A-TWD will monitor progress of the efficient irrigation project and conduct a site visit to verify irrigation methods prior to equipment purchase. The grant recipient is to notify the A-TWD once equipment installation begins and once it is completed. Upon project completion, A-TWD staff will conduct another site visit to verify completion of the irrigation project. In the event the irrigation equipment is subsurface in nature, A-TWD staff will conduct their visit when the equipment is being installed. A-TWD permit holders receiving grant funding must also provide the A-TWD with a copy of the equipment invoice. Equipment installations are to be completed no later than December 31, 2024.

Once the site visits have been completed and invoice has been received, A-TWD staff will generate a Staff Report for management review. The report will provide details on the type of equipment installed as well as pictures depicting the farmland before and after equipment installation. Once A-TWD management has approved the Staff Report, then the

A-TWD will reimburse the permit holder for the equipment purchase as stipulated in the contract.

The A-TWD will host its annual A-TWD Roadshow in the month of December. It will be at this event that permit holders can engage with A-TWD staff to conduct business as well as receive information about water conserving irrigation practices.

Deliverables

The A-TWD collects and enters water use data on a monthly and yearly basis; therefore, any such data would be readily available to the TWDB for a minimum of five irrigation seasons. The A-TWD’s rules require that permit holders record monthly water usage while in Critical Period Management as well as provide the A-TWD with yearly water use totals. If approved for grant funding, we are ready to provide the TWDB with required reports and specifics as listed in the grant requirements. Such reports include:

* A-TWD Groundwater Conservation Grant Final Reports for funded projects;
* Annual groundwater withdrawal usage reports;
* Reports with maps identifying the county and the locations of the grant funded projects;
* Specific crop data – number of acres per crop, crop type, and irrigation efficiency.

Water saving data specific to the projects funded by the Irrigation Efficiency Improvement Grant Program will be calculated using this information as it will enable A-TWD staff to compare water usage before and after project completion. Crop data reports are sent to each grant recipient every year.

* Irrigation Assessments and/or Groundwater Conservation Plans of each irrigation permit holder;
* Additional information required by the TWDB will be made readily available upon request.

1. Water Conservation Benefits

Irrigation Conservation Water Management Strategy

The A-TWD Irrigation Efficiency Improvement Program supports the water management strategy “5.5 Water Conservation: Irrigation Water Conservation” of the 2020 Texas Regional Water Plan, Volume I. The Irrigation BMPSs of the Regional Water Plan’s strategy that will be implemented as part of the A-TWD grant program are “Low Pressure Center Pivot Sprinkler Irrigation Systems,” “Linear Move Sprinkler Irrigation Systems,” and “Drip/Micro-Irrigation System.” Past irrigation projects funded by the A-TWD’s groundwater conservation grant program have demonstrated such practices and are encouraged.

Baseline Water Use, Projected Water Savings & Monitoring Procedures

Since the A-TWD Irrigation Efficiency Improvement Grant Program commenced in 2020, it is projected that the irrigation projects selected for funding will average a water savings of 39% based on their averaged baseline water usage. This translates to an estimated amount of water saved annually of 94 acre-feet.

Water savings are determined by determining the water usage of the irrigation method in place and subtracting the water saved due to the new technology. Water usage from the selected recipients will be monitored for improvement in irrigation efficiency.



**Appendix A**

**A-TWD Groundwater Conservation Plan**