



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

McClave Water Association – Water Tank Replacement

Name of Water Activity/Project

McClave Water Association

Name of Applicant

Arkansas Basin

Amount from Statewide Account:

Amount from Basin Account(s):

\$64,300

Total WSRA Funds Requested:

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

| | |
|--|---------|
| Application Instructions | page 2 |
| Part I – Description of the Applicant | page 3 |
| Part II – Description of the Water Activity | page 5 |
| Part III – Threshold and Evaluation Criteria | page 7 |
| Part IV – Required Supporting Material | |
| Water Rights, Availability, and Sustainability | page 10 |
| Related Studies | page 10 |
| Signature Page | page 12 |

Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

Water Supply Reserve Account – Application Form

Revised December 2011

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCBC). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCBC staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCBC website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Greg Johnson – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
gregory.johnson@state.co.us

If you have questions or need additional assistance, please contact Greg Johnson at: 303-866-3441 x3249 or gregory.johnson@state.co.us.

Water Supply Reserve Account – Application Form

Revised December 2011

Part I. - Description of the Applicant (Project Sponsor or Owner);

| | | | | |
|----|--------------------|--|-----------------|----------------|
| 1. | Applicant Name(s): | McClave Water Association, Inc. | | |
| | Mailing address: | P.O. Box 73 McClave, CO 81057 | | |
| | Taxpayer ID#: | 84-0567009 | | |
| | Primary Contact: | Julie Roesch | Position/Title: | Bookkeeper |
| | Email: | kjroesch@arkvi.com | | |
| | Phone Numbers: | Cell: 719-688-0438 | Office: | 719-829-4577 |
| | Alternate Contact: | Kathie VanCampen | Position/Title: | Water Operator |
| | Email: | mwa@arkvi.com | | |
| | Phone Numbers: | Cell: 719-940-1964 | Office: | |

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- ☐ Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- ☒ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

Water Supply Reserve Account – Application Form

Revised December 2011

3. Provide a brief description of your organization

The McClave Water Association, Inc. was initiated in February 1965 to provide potable water for the town of McClave. The system expanded significantly to the surrounding area (6 miles west, 2 miles east, 1 mile north and 1 mile south) in 1974. Until that time, residents of McClave and the surrounding area hauled water from local wells to fill cisterns on their property to supply their water needs.

Currently, 176 taps serve approximately 450 people. McClave is a small farming community in Bent County, largely supplied with irrigation water from the Fort Lyon Canal Company. There is virtually no industry - although one of the two schools in the County is in McClave. There is also a bank and two churches within the service area.

Approximately 15 of the taps are for agricultural use - supplying small pastures with livestock water, not for irrigation. Usually these taps are only used for a couple of months out of the year, when the farm fields are used for fall/winter pasture for cattle, after the crops are harvested. Several are not used at all.

Remaining taps are for residential users, most of whom use between 5,000-10,000 gallons per month. Usage increases slightly in the summer months, though many people have shallow wells that they use for watering landscape, like yards and trees, but the water is not suitable for drinking. Several of these wells have gone dry in the past couple of years. Most people, especially the older generation, are very conservative with the water, because they still remember what it was like to have to haul water - though that group is definitely getting smaller as new people move into the area.

The association has four wells that supply needed water. Three of the wells are in the Dakota aquifer and regulated through LAWMA. The well readings are reported monthly and the association maintains one share of LAWMA water for each well, though no augmentation is required. The fourth well, the newest, is in the Cheyenne aquifer and is augmented with Fry-Ark Project Water. The water quality of the wells is good. The Dakota wells have always exceeded the secondary MCL for fluoride, and the Cheyenne well has high radium 226 & 228, but is blended with the other well water prior to usage to keep the levels at acceptable levels. The Association is not on any Colorado Department of Health orders.

The area has typically been economically challenged, but this has been further compounded by the historic drought that the area is currently experiencing, leaving more than half of the farmland barren this year.

4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

Water Supply Reserve Account – Application Form

Revised December 2011

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒

The Applicant will be able to contract with the CWCB using the Standard Contract

☐

The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant. N/A

Water Supply Reserve Account – Application Form

Revised December 2011

Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☐

Nonconsumptive (Environmental or Recreational)

☐

Agricultural

☒

Municipal/Industrial

☐

Needs Assessment

☐

Education

☐

Other

Explain:

2. If you feel this project addresses multiple purposes please explain.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐

Study

☒

Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

☒

Other -- Explain:

Preserves a water tank that pumps approximately 18.8 million gallons per yr.

Water Supply Reserve Account – Application Form

Revised December 2011

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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude:

Longitude:

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

One of two 50,000-gallon above ground water tanks needs to be re-seated. The cement retainer ring around the base of the tank cracked on the west side, allowing the soil under the west portion of the tank to compact and settle. The soil settlement caused the west side of the tank to settle which snapped the drain line on June 4, 2013. This caused the tank to drain completely, and it cannot be used without replacing the foundation.

The repair plan requires that the tank be temporarily relocated, a new base constructed on the original location, repair of the drain line and re-setting the tank on the new base.

The tank that has failed was part of a 1974 expansion, funded by a loan/grant from Rural Development. The 40-year loan for this project was paid off earlier this year. The tank has undergone regular maintenance and cleaning during its service, and remains in very good condition, if not for the failure of the cement retainer ring.

This tank is one of two 50,000-gallon tanks in which water from 4 supply wells is first blended and stored. Approximately 25 houses receive their water supply directly from these tanks. More importantly, however, these tanks are also the fill/supply for a 150,000-gallon tank that is approximately four miles east, just north of the town of McClave, which supplies the remaining customers with water.

The storage this tank provides is crucial to the water system as a whole. The fill/stop controls for both tanks are run by this tank, so in the current situation, the water operator must manually check the remaining tank level to ensure that the tank does not run dry or overflow. Without this storage the supply wells and pumps are being continually stressed. The situation is untenable and sustainable only for a very short period of time.

Water Supply Reserve Account – Application Form

Revised December 2011

Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

The project will not supersede, abrogate, or otherwise impair the State's current system of allocating water within Colorado, nor does it in any manner repeal or amend the existing water rights adjudication system. The project does not affect the State Constitution's recognition of water rights as a private usufructuary property right nor is it intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law.

b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

The project is undergoing the approval process at this time.

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

Water Supply Reserve Account – Application Form

Revised December 2011

- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.

This structural project restores the viability of a small water system which provides approximately 18.8 million gallons of water per year to the Town of McClave. It prevents a new storage gap from occurring.

- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants is required to demonstrate a **20 percent** (or greater) match of the request from the Statewide Account. Statewide requests must also include a minimum match of **5 percent** of the total grant amount from Basin Funds. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCBC. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

FUNDING SUMMARY

| | |
|---------------------------|------------------|
| Basin Funds | \$ 64,300 |
| McClave Water Association | \$ 7,000 |
| Bent County | \$ 7,000 |
| LAVWCD | <u>\$ 7,000</u> |
| PROJECT COST | \$ 85,300 |

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

Water Supply Reserve Account – Application Form

Revised December 2011

2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

This application is for Basin Funds only. However, some of the criteria do apply, as follows:

Tier 2: Facilitating Water Activity Implementation

- a. Funding from this Account will reduce the uncertainty that the water activity will be implemented.

This project is for a very small Water Association with little cash reserves. Although a Rural Development loan was recently paid off, the Association does not have monies in reserve that would fully fund this emergency project. In addition, the urgent nature of the project precludes funding sources that would take additional time to secure and get to a notice to proceed.

- b. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

McClave Water Association, Bent County, and LAVWCD have committed funding representing 33% of the project.

Water Supply Reserve Account – Application Form

Revised December 2011

Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

Four wells supply water to McClave Water Association. Three of the wells are in the Dakota aquifer and are regulated through LAWMA. Well readings are reported monthly and the Association maintains one share of LAWMA water for each well, though no augmentation is required. The fourth well, the newest, is in the Cheyenne aquifer and is augmented with Fry-Ark Project Water.

2. Please provide a brief narrative of any related studies or permitting issues.

Bent County Commissioners have confirmed that there are no permitting issues involved.

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

Water Supply Reserve Account – Application Form

Revised December 2011

The above statements are true to the best of my knowledge:

Signature of Applicant:

Print Applicant's Name:

Project Title:

Return an electronic version (hardcopy may also be submitted) of this application to:

Greg Johnson – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
gregory.johnson@state.co.us

Exhibit A
Statement of Work

WATER ACTIVITY NAME – McClave Water Tank Repair

GRANT RECIPIENT – McClave Water Association, Inc.

FUNDING SOURCE - WSRA Basin Funds

INTRODUCTION AND BACKGROUND

This project repairs a 50,000-gallon above-ground water tank.

The cement retainer ring around the base of the tank cracked on one side, allowing the soil under that portion of the tank to compact and settle. The soil settlement caused the side of the tank to settle, which snapped the drain line on June 4, 2013. This caused the tank to drain completely, which cannot be used without replacing the foundation. The tank itself has undergone regular maintenance and cleaning during its service, and remains in very good condition.

This tank is one of two 50,000-gallon tanks in which water from 4 supply wells is first blended and stored. Approximately 25 houses receive their water supply directly from these tanks. More importantly, however, these tanks are also the fill/supply for a 150,000-gallon tank that is approximately four miles east, just north of the town of McClave, which supplies the remaining customers with water. The storage this tank provides is crucial to the water system as a whole. The fill/stop controls for both tanks are run by this tank, so in the current situation, the water operator must manually check the remaining tank level to ensure that the tank does not run dry or overflow. Also, without this storage vessel the supply wells and pumps are being continually stressed. The situation is untenable and sustainable only for a very short period of time.

OBJECTIVES

The purpose of this project is to restore the use of a 50,000-gallon water tank. A contractor will temporarily relocate the tank, construct a new base, repair the drain line and re-set the tank on its new base.

DESCRIPTION BY TASK

TASK 1 – Engineering Design, Construction Admin, Geotechnical Allowance

Description of Task

GMS Inc. will provide engineering services, construction administration, and geotechnical services.

Method/Procedure

GMS Inc. will provide final design and construction drawings. Bent County and McClave Water Association will solicit proposals and enter into a construction services contract. GMS Inc. will provide construction administrative services and geotechnical services.

Deliverable

Final Design drawings, bid packet, geotechnical report.

TASK 2 – 8: Tank Removal, Repairs, Tank Replacement

Description of Task

Water Supply Reserve Account – Application Form

Revised December 2011

After bid process is complete, selected contractor will provide construction services.

Method/Procedure

- Remove tank and temporarily displace during foundation construction, including welded pick points for crane.
- Install new tank foundation pad.
- Reconnect to existing yard piping from booster pump.
- Replace tank inlet, outlet and drain piping.
- Move tank onto new foundation.
- Weld pipe penetrations.
- Re-paint welded areas

Deliverable

Completed improvements.

TASKS 10: Construction Observation

Description of Task

GMS Inc. will provide construction observation services.

| BUDGET - MCCLAVE WATER TANK REPAIR | | | | |
|---|---|------------------|------------------|------------------|
| (PRELIMINARY COST ESTIMATE) | | | | |
| Task # | Task Description | Matching Funds | Grant Funds | Total Expense |
| 1 | Engineering Design/Construction Admin/Geotechnical | \$ 7,000 | \$ 6,000 | \$ 13,000 |
| 2 | Remove tank temporarily | | \$ 3,800 | \$ 3,800 |
| 3 | New tank foundation pad | \$ 7,000 | \$ 21,000 | \$ 28,000 |
| 4 | Reconnect to existing yard piping from booster pump | | \$ 3,000 | \$ 3,000 |
| 5 | Tank inlet, outlet and drain piping | \$ 7,000 | \$ 5,500 | \$ 12,500 |
| 6 | Move tank onto new foundation | | \$ 3,000 | \$ 3,000 |
| 7 | Weld pipe penetrations | | \$ 2,000 | \$ 2,000 |
| 8 | Paint allowance for coating welded areas | | \$ 2,000 | \$ 2,000 |
| 9 | Construction observation | | \$ 18,000 | \$ 18,000 |
| | Totals: | \$ 21,000 | \$ 64,300 | \$ 85,300 |

Water Supply Reserve Account – Application Form

Revised December 2011

| TIMELINE - MCCLAVE WATER TANK REPAIR | | |
|--------------------------------------|---|----------|
| | | |
| Task # | Task Description | |
| 1 | Engineering Design/Construction Admin/Geotechnical | NTP + 30 |
| 2 | Remove tank temporarily | NTP + 30 |
| 3 | New tank foundation pad | NTP + 60 |
| 4 | Reconnect to existing yard piping from booster pump | NTP + 60 |
| 5 | Tank inlet, outlet and drain piping | NTP + 60 |
| 6 | Move tank onto new foundation | NTP + 60 |
| 7 | Weld pipe penetrations | NTP + 60 |
| 8 | Paint allowance for coating welded areas | NTP + 60 |
| 9 | Construction observation | NTP + 60 |