



# COLORADO WATER CONSERVATION BOARD



## WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: 05/25/15

### REPURPOSING OF LAMAR WELLS 12 & 13

Name of Water Activity/Project

City of Lamar Water/Wastewater Department

Name of Applicant

Arkansas Basin Roundtable

Amount from Statewide Account:

\$ 136,625

Amount from Basin Account(s):

\$ 25,000

Total WSRA Funds Requested:

\$ 161,625

Approving Basin Roundtable(s)

*(If multiple basins specify amounts in parentheses.)*

FEIN: 98-05409

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### 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 October 2013

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### **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 (CWCB). 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 CWCB 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 CWCB 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>. In addition, the applicant should also refer to the [Supplemental Scoring Matrix](#) applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests .

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:

Craig Godbout - WSRA Application  
Colorado Water Conservation Board  
1313 Sherman St., Room 721  
Denver, CO 80203  
[Craig.godbout@state.co.us](mailto:Craig.godbout@state.co.us)

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or [craig.godbout@state.co.us](mailto:craig.godbout@state.co.us).

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

1.	Applicant Name(s):	Lamar Water/Wastewater Department		
	Mailing address:	103 North Second Street Lamar, CO 81052		
	FEIN #:	98-05409		
	Primary Contact:	Josh Cichocki	Position/Title:	Water/Wastewater Director
	Email:	<a href="mailto:Josh.cichocki@ci.lamar.co.us">Josh.cichocki@ci.lamar.co.us</a>		
	Phone Numbers:	Cell: 719-688-2298	Office:	719-336-2002
	Alternate Contact:	John Sutherland	Position/Title:	City Administrator
	Email:	<a href="mailto:John.sutherland@ci.lamar.co.us">John.sutherland@ci.lamar.co.us</a>		
	Phone Numbers:	Cell: 719-688-8320	Office:	719-336-1364

### 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.

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3. Provide a brief description of your organization

Lamar is the county seat of Prowers County, and is located on the southeastern plains of Colorado on the banks of the Arkansas River. Located along the Santa Fe Trail, Lamar was founded in 1886. Its early economy was largely based on the cattle business. It was located near two important cattle trails originating in Texas, and became a railhead of livestock shipping facilities.

The City of Lamar Water and Wastewater Department has been providing the city with water and sewer services for over 135 years. Although the city has undertaken numerous upgrades, rehabilitation, and expansion projects over the years, most of the existing infrastructure was funded and built during the New Deal-era programs between 1933-1943.

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

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

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### 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.

The wells described here are currently out of service. When returned to service for non-potable use, they are expected to provide up to 3.44 acre feet per day during irrigation season. This potable water will be used for irrigation of recreational facilities, freeing up potable sources for municipal demand, therefore serving both municipal and recreational purposes.

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 Waterline Built (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year) due to water treatment cost savings

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

Restores the use of 344 acre feet per year (3.44 af/day x 100 days irrigation)

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

Latitude:	38°03'17.5"N	Longitude:	102°34'12.3"W	Well #12
Latitude:	38°03'26.7"N	Longitude:	102°34'04.5"W	Well #13

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.

Wells 12 and 13 were developed in 1955 and 1954, respectively, and were permitted and used for municipal supply. Historically, Well #12 produced 475 gallons per minute (gpm) and Well #13 produced 300 gpm.

Microscopic Particulate Analysis water quality testing was conducted for the wells from April through September 2012, resulting in a reclassification of both wells as Ground Water Under Direct Influence of Surface Water (GWUDI) sources by the Colorado Department of Public Health and Environment (CDPHE). The classification of GWUDI means the water is more susceptible to contamination due to its close proximity to a surface water source or surface water runoff and shallow screened depth. Wells #12 and #13 were taken out of service at that time.

The City of Lamar undertook a Feasibility Study in April 2014 to summarize the current condition of the wells and to determine the feasibility of converting the wells for irrigation implementation and compliance with the Colorado Division of Water Resources (Appendix B). The study concluded that it is feasible to redevelop both wells for non-potable irrigation use, and recommended a detailed analysis of alternatives. Analysis was completed in July of 2014, leading to this application for grant funding.

The selected alternative redevelops the wells to be used as a non-potable municipal irrigation supply. The water can be used for any non-potable municipal application, including irrigation of the city-owned Fairmont Cemetery and the Spreading Antlers Public Golf Course. The water will not require treatment prior to this use.

At maximum flow, the wells will produce 775 gpm, or approximately 1.12 million gallons per day (MGD).

Both wells will be cleaned and bailed. New casings will be installed inside the original casings, and gravel pack will be installed between the two casings. New pumps will be installed. It is anticipated that the existing well houses will suffice, as will some of the interior piping. Interior pumping will be reconnected and replaced where appropriate, and electrical service will be re-connected. An existing SCADApack controller will be installed and connected. New transmission line will be installed between the wells, and from Well #12 to an existing Floating Pump Line which connects to the Open Water Reservoirs. From this point, water can be pumped to the cemetery and golf course through existing non-potable distribution systems.

The cost estimate for this recommended course of action is \$397,625 as shown in the attached project budget. WSRA funds will be used for construction of the project. A CWCB loan is also being sought, in the amount of \$100,000.

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### 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.)

This is a structural water project, and the applicant, City of Lamar Water/Wastewater Department, is an eligible entity.

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

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.

Evaluation and approval process is underway.

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<sup>1</sup> 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.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.<sup>2</sup> 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.
- An estimated 344 acre feet of potable municipal water supply is currently being used to water the cemetery and golf course each year. This project replaces that treated water with non-potable supply, restoring 344 acre feet of potable water to the municipal supply.
  - This water activity directly addresses this Identified Project in Prowers County: "Replace aging infrastructure for agriculture and municipalities."
  - As stated in the April 2015 Arkansas Basin Implementation Plan Executive Summary, "Today, water efficiency measures and programs include not only effective use of carryover storage, but also...application of conserved water to consumptive and non-consumptive needs."
  - Currently, municipal supply and water treatment needs are stretched to capacity during summer months. This project alleviates both pressures; restoring efficiency, stability, and flexibility to the water system.
  - The water activity protects a water delivery system that delivers approximately 1,894 acre feet per year to over 12,500 residents.
- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants will be required to demonstrate a **25 percent** (or greater) match of the total grant request from the other sources, including but not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. 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 contract or purchase order between the applicant and the State of Colorado is executed. 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

FUNDING SUMMARY	
In-Kind Labor and Equipment	86,700
City of Lamar Cash Match	49,300
Basin Funds	25,000
Statewide Funds	136,625
CWCB Loan	100,000
<b>TOTAL COST</b>	<b>397,625</b>

<sup>2</sup> 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.



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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.**

**Evaluation Criteria** – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. The applicant should also refer to the Supplemental Scoring Matrix applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

### **Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs**

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).
- The water activity addresses multiple needs; as water recovered will be used for recreational needs, and will also free up potable supply for municipal demands.
- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.
- This project enables the use of wells not currently able to be utilized, thereby reducing the amount of water needed from other water sources, mitigating potential water purchases (addressing intra and interbasin needs).
- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.
- This water activity directly addresses this Identified Project in Prowers County: “Replace aging infrastructure for agriculture and municipalities.”
- As stated in the April 2015 Arkansas Basin Implementation Plan Executive Summary, “Today, water efficiency measures and programs include not only effective use of carryover storage, but also...application of conserved water to consumptive and non-consumptive needs.”

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### Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).
- Although some funds (\$6,000) were set aside to begin funding this project, an unexpected water line break occurred in spring of 2015 that precludes this project from receiving additional funding by the City of Lamar in 2015 or 2016. The urgency to complete this project comes in part from the fact that the water treatment facility is very close not being able to keep up with demand during summer months. A second impetus is, of course, the very real conservation of water resources that will be realized by this project.
- e. 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.
- The applicant will provide \$49,300 as a cash match to the grant funding. They will provide \$86,700 in equipment and labor costs. They will also provide an existing SCADAPack, so that the non-potable resource is used as efficiently as possible. The cash match provided constitutes 12% of the project. Cash and all In-Kind matches constitute 34% of the project, a significant commitment to the project.
- Basin funds constitute 10% of the total grant request.

### Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.
- This non-potable water source provides water to a city-owned golf course, helping to meet recreational needs.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.
- The water activity recovers the use of water that had been lost, with an estimated use of 344 acre feet per year.
- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.
- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

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### 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.

This information is being prepared by the applicant, and will be forwarded for your review as soon as it is received.

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

In 2014, an Alternatives Analysis & Implementation Plan was prepared for the City of Lamar by JVA Consulting Engineers. It is included with this application as Exhibit C.

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**

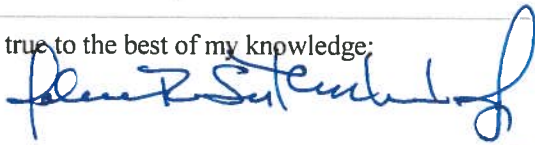
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for 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 10 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.

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

Signature of Applicant:



Print Applicant's Name:

JOHN R. SUTHERLAND, JR

Project Title:

Date:

08 31. 2015

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

Craig Godbout – WSRA Application  
Colorado Water Conservation Board  
1313 Sherman St., Room 721  
Denver, CO 80203  
303-866-3441, ext. 3210 (office)  
303-547-8061 (cell)  
[craig.godbout@state.co.us](mailto:craig.godbout@state.co.us)