

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 16-17, 2016
Agenda Item 14(e)

Co-Applicants: Lower Arkansas Valley Water Conservancy District /
North La Junta Water Conservancy District

Fiscal Agent: Lower Arkansas Valley Water Conservancy District

Water Activity Name: La Junta Flood Mitigation Project

Water Activity Purpose: Multipurpose

County: Otero

Drainage Basin: Arkansas

Water Source: Arkansas River

Amount Requested/Source of Funds: \$25,000 Arkansas Basin Account
\$25,000 Total Grant Request

Matching Funds: Basin Account Match (\$25,000) = 29.4% of total project costs (\$85,000)
Applicant/3rd Party Match (\$60,000) = 70.5% of total project costs
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:
Staff recommends approval of up to \$25,000 from the Arkansas Basin Account to help fund the project titled: La Junta Flood Mitigation Project.

Water Activity Summary: WSRA funds, if approved, will be expended to fund the project titled: La Junta Flood Mitigation Project. The lower Arkansas River passes through a “pinch point” as it traverses the passage between the Towns of La Junta, on the south bank, and North La Junta on the opposite bank. Flooding in this area has been endemic, with efforts underway since the 1999 flood to address the issue by formation of the North La Junta Water Conservancy District. Recent improvements to dikes along the north bank, using material salvaged from tamarisk and island removal, has aggravated the flooding challenges. The District now desires to alter the configuration of existing dikes, and extend the dike system further downstream, to mitigate the flood potential.

The purpose of this project is to relieve a “pinch point” on the Arkansas River at La Junta, Colorado. The construction activity will reduce flooding threats to public safety, improve species habitat and enhance water management capabilities for the Bureau of Reclamation and U.S. Army Corps of Engineers under the administrative protocols of the Arkansas River Compact of 1948. The flooding limits releases from Pueblo Reservoir to John Martin Reservoir in times of high precipitation, resulting in lost water storage in wet years.

The objectives of the project are as follows:

1. Objective 1 – Coordinate the permitting/construction/reclamation activity with interested agencies.
2. Objective 2 – Phase 1: Removal of islands in stream channel to restore channel capacity; Phase 2: Reconstruction and extension of existing dike.
3. Objective 3 – Manage the project through construction to completion, with appropriate retention of contractor payments following final billing, and project signoff for release of retained funds.

Discussion: This project is consistent with the goals and actions identified in the Arkansas Basin Implementation Plan. This water activity addresses multiple needs by a) mitigating a significant flooding problem in the local community, and; b) eliminating a limitation on flow management in the lower Arkansas River valley. When the Bureau of Reclamation needed to release water from Pueblo Reservoir this spring in response to high levels of precipitation, this existing dike and flooding conditions limited the amount of the release. Water that could have been stored in John Martin Reservoir, allowing increased storage in Pueblo Reservoir for the benefit of multiple parties, was lost because of this constraint.

This water activity directly benefits an interbasin need by improving the management of storage as it impacts compliance with the Arkansas River Compact. Improved flow management directly assists meeting the Arkansas Roundtable goal of 70,000 AF of new storage by making greater efficient use of existing storage and “excess” storage at Pueblo Reservoir.

The project is also consistent with the key action items, goals, and measurable objectives identified in Colorado’s Water Plan, specifically critical action items identified in Chapter 10 which direct the CWCB to work with BRTs and project proponents to fund projects which have been prioritized by basin roundtables. The project also meets critical goals related to storage and compact compliance.

Issues/Additional Needs: Members of the Watershed and Flood Protection Section have identified potential impacts to the floodplain from implementation of this project. CWCB staff members have met with the project proponent and BIP coordinator from the Arkansas Basin Roundtable, and addressed the issues which must be resolved prior to implementation of the project. CWCB staff has also offered additional funding to enable to proponent to continue with the project.

Project proponents will work with CWCB staff to update the scope of work and application to be consistent with the additional requirements:

- 1) Applicant will obtain a letter of support from Otero County for the flood mitigation activities to be performed in the scope of this project.
- 2) Applicant will obtain a floodplain development permit from the local permitting authority (Otero County).
- 3) Applicant will perform (with assistance of consultant) a hydraulic analysis of the impacts of project implementation, and project design which meets the criteria of the Watershed and Flood Protection Section staff.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Tier 1-3 Evaluation Criteria: n/a**Funding Summary/Matching Funds:**

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
LAVWCD	\$40,000	\$0	\$40,000
Otero County	\$10,000	\$0	\$10,000
La Junta	\$10,000	\$0	\$10,000
Subtotal Matching Funds	\$60,000	\$0	\$60,000
WSRA Arkansas Basin Account	\$25,000	n/a	\$25,000
Total Project Costs	\$85,000	\$0	\$85,000

***Additional funding will be provided by the CWCB to assist applicant with floodplain-related issues**

CWCB Project Co-Managers: Brent Newman/Jamie Prochno

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 will help promote the development of a common technical platform. In accordance with the revised WSRA Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

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 scope 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.

Engineering: All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of professional engineer licensed by the State of Colorado to practice Engineering.

Arkansas Basin Roundtable

January 29, 2016

Via Electronic Mail: craig.godbout@state.co.us

Mr. Craig Godbout
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Re: Water Supply Reserve Account Grant Application: North La Junta Streamlined Flood Mitigation and Flow Management Project

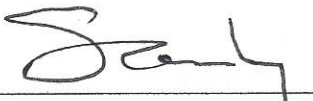
Dear Craig:

At its January 13, 2016 meeting, the Arkansas Roundtable approved the North La Junta Streamlined Flood Mitigation and Flow Management Project for \$25,000 in Basin Funds, with \$60,000 of cash matching funds from a consortium of regional supporters. There were no dissenting opinions expressed in the consensus decision.

This project has both local and basin-wide significance. Locally, a "pinch point" in the Arkansas River has caused significant flooding of two municipalities, North La Junta and La Junta. Furthermore, flooding limits releases from Pueblo Reservoir to John Martin Reservoir, resulting in lost water storage.

This project furthers the goals and objectives of the Arkansas Basin Implementation Plan and the Colorado Water Plan, particularly Objective E. Storage "*Promote Additional Storage and Infrastructure*" (Section 10.3). Should you have any questions or concerns, please feel free to contact me either by telephone, 719-742-6164, or by email, sandy@white-jankowski.com.

With warm regards



Michael D. (Sandy) White
Chair

Copy via email:

Applicant
ABRT Executive Committee



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: November 23, 2015

La Junta Flood Mitigation Project

Name of Water Activity/Project

Lower Arkansas Valley Water Conservancy District & North La Junta Water Conservancy District

Name of Applicant

Arkansas Basin

Amount from Statewide Account:

None

Amount from Basin Account(s):

\$25,000.00

Total WSRA Funds Requested:

\$25,000.00

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN: 48-1298144

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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

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

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

Water Supply Reserve Account – Application Form

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

1.	Applicant Name(s):	Lower Arkansas Valley Water Conservancy District		
	Mailing address:	801 Swink Avenue Rocky Ford, CO 81067		
	FEIN #:	48-1298144		
	Primary Contact:	Jay Winner	Position/Title:	General Manager
	Email:	jwinner@centurytel.net		
	Phone Numbers:	Cell: 719-469-8935	Office:	719-254-5115
	Alternate Contact:	Brenda Fillmore	Position/Title:	
	Email:	Bfillmore13@centurytel.net		
	Phone Numbers:	Cell:	Office:	719—254-5115

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

The Lower Arkansas Valley Water Conservancy District (LAVWCD) is a water conservancy district established in 2002 pursuant to Colorado law, C.R.S. § 37-45-101 et seq. The Lower Ark District's mission is to acquire, retain and conserve water resources within the Lower Arkansas River; to encourage the use of such water for the socio-economic benefit of the District citizens; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley. As such, this includes promoting and protecting agriculture in the Lower Arkansas Basin.

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

The Lower Ark District formed a Water Activity Enterprise in 2003 to manage the District's water assets and provide services to the District on a reimbursable basis. The Lower Arkansas Valley Water Enterprise Fund will be the contracting entity for this project.

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.

LAVWCD's property tax levy is exempt from TABOR pursuant to the election that formed the district in 2002.

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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 purpose of this project is to relieve a “pinch point” on the Arkansas River at La Junta, Colorado. The construction activity will reduce flooding threats to public safety, improve species habitat and enhance water management capabilities for the Bureau of Reclamation and U.S. Army Corps of Engineers under the administrative protocols of the Arkansas River Compact of 1948.

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:

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

Latitude: 37.9909

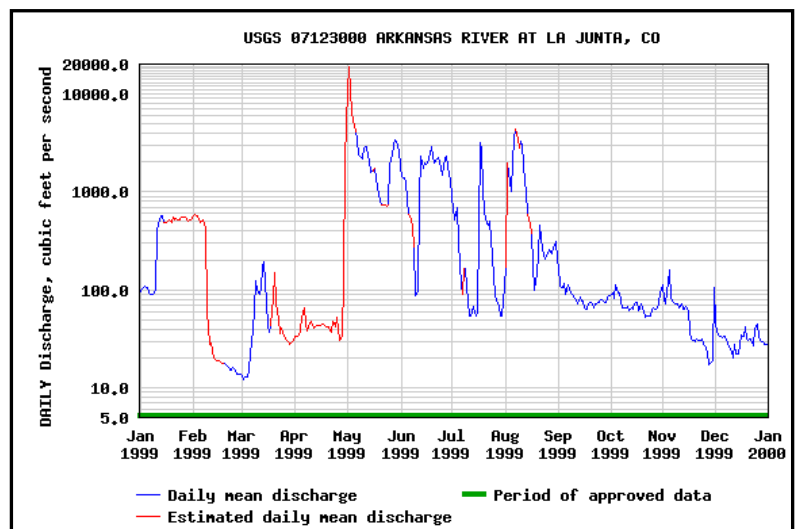
Longitude: -103.5276

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.

The lower Arkansas River passes through a “pinch point” as it traverses the passage between the Towns of La Junta, on the south bank, and North La Junta on the opposite bank. Flooding in this area has been endemic, with efforts underway since the 1999 flood to address the issue by formation of the North La Junta Water Conservancy District. Recent improvements to dikes along the north bank, using material salvaged from tamarisk and island removal, has aggravated the flooding challenges. The District now desires to alter the configuration of existing dikes, and extend the dike system further downstream, to mitigate the flood potential. The flooding limits releases from Pueblo Reservoir to John Martin Reservoir in times of high precipitation, resulting in lost water storage in wet years.

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

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.

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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.

Chairman's letter under separate cover.

- 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.
- 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)

Proposed is a \$60,000 cash match representing 70% of the project cost, with 30% of total funds requested from the Basin Account.

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

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.

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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).

This water activity addresses multiple needs by a) mitigating a significant flooding problem in the local community, and; b) eliminating a limitation on flow management in the lower Arkansas River valley. When the Bureau of Reclamation needed to release water from Pueblo Reservoir this Spring in response to high levels of precipitation, this existing dike and flooding conditions limited the amount of the release. Water that could have been stored in John Martin Reservoir, allowing increased storage in Pueblo Reservoir for the benefit of multiple parties, was lost because of this constraint.

- 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 water activity directly benefits an interbasin need by improving the management of storage as it impacts compliance with the Arkansas River Compact.

- 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.

Improved flow management directly assists meeting the Arkansas Roundtable goal of 70,000 AF of new storage by making greater efficient use of existing storage and “excess” storage at Pueblo Reservoir.

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).

N/A

- 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.

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The 70% cash match by LAVWC, Otero County and the City of La Junta highlight the regional significance of this project activity and the multiple benefits to the region.

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.
- 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.

This water activity results in an increase in the maximum utilization of state waters by reducing and mitigating flood conditions which currently attenuate peak flow potential.

- 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.

The construction activity relies on a reputable contractor estimate which is one-third (1/3) of the cost of two other estimates by local vendors. This extraordinary price is predicated on working during the “off season” and completion of the project prior to March 15, 2016, taking advantage of low flow, winter conditions. Overall project cost is reduced from \$200,000+ to under \$100,000, with the bulk of the funds in cash matches. The WSRA funds are leveraged at over 3:1.

- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

This activity directly assists the flood control and interstate compact compliance missions of the CWCB.

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.

The project activity will be on the north bank of the Arkansas River at La Junta, Colorado.

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

There is no lengthy permitting for this project because the contractor has proposed use of a drag-line that precludes construction activities within the water channel. An expedited process allows relief of potential flooding conditions in Spring, 2016, by completing the project activity in mid-March, 2016.

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

STATEMENT OF WORK ATTACHED AS EXHIBIT A

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.

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.

Water Supply Reserve Account – Application Form

Revised October 2013

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

Signature of Applicant:



Print Applicant's Name: Jay Winner, General Manager

Project Title: La Junta Flood Mitigation Project

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

Statement of Work

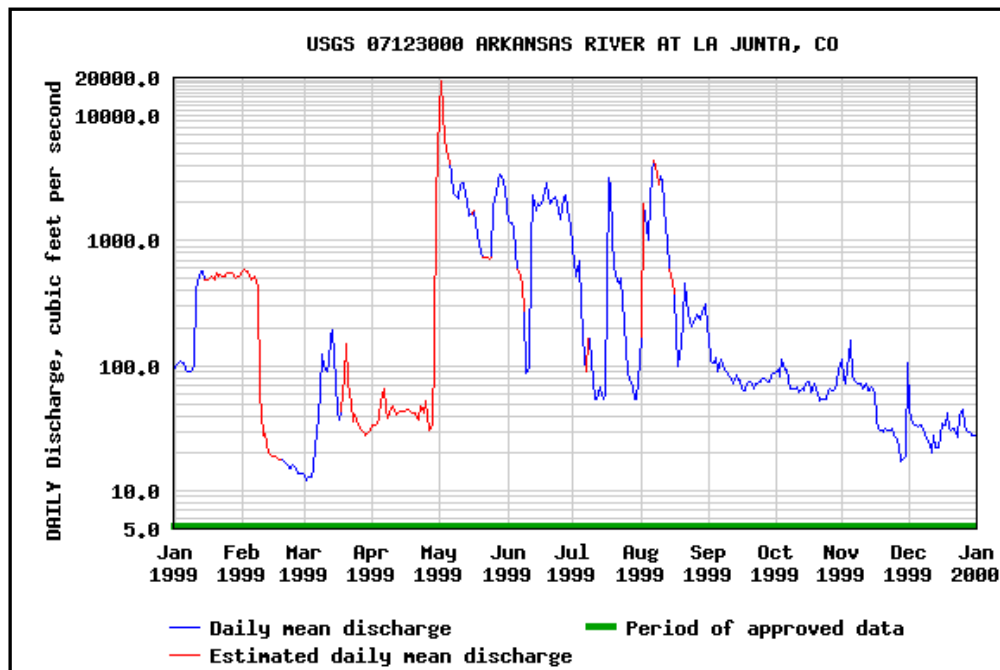
WATER ACTIVITY NAME – La Junta Streamlined Flooding Mitigation & Flow Management Project

GRANT RECIPIENTS – North La Junta Water Conservancy District; Fiscal Agent – Lower Arkansas Water Conservancy District Enterprise

FUNDING SOURCE – Water Supply Reserve Account: \$25,000; Matching Funds: LAVWCD: \$40,000.00; Otero County: \$10,000.00; City of La Junta: \$10,000.00 Total: \$85,000.00

INTRODUCTION AND BACKGROUND

The lower Arkansas River passes through a “pinch point” as it traverses the passage between the Towns of La Junta, on the south bank, and North La Junta on the opposite bank. Flooding in this area has been endemic, with efforts underway since the 1999 flood¹ to address the issue by formation of the North La Junta Water Conservancy District. Recent improvements to dikes along the north bank, using material salvaged from tamarisk and island removal, has aggravated the flooding challenges. The District now desires to alter the configuration of existing dikes, and extend the dike system further downstream, to mitigate the flood potential.



OBJECTIVES

The objectives are as follows:

¹ National Center for Atmospheric Research, Boulder Colorado, webpage www.assessment.ucar.edu. Regarding the 1999 Flood on Fountain Creek: "By the morning of May 2, up to eight feet of water flooded the north La Junta area as the Arkansas River swelled with runoff from the storm in the Pikes Peak region. The flood forced 350 families to evacuate their homes."

- Objective 1 – Coordinate the permitting/construction/reclamation activity with interested agencies.
- Objective 2 – Phase 1: Removal of islands in stream channel to restore channel capacity; Phase 2: Reconstruction and extension of existing dike.
- Objective 3 – Manage the project through construction to completion, with appropriate retention of contractor payments following final billing, and project signoff for release of retained funds.

TASKS

There are three tasks as follows:

TASK 1 – Coordination with Interested Agencies

Description of Task

This task is integral with the Task #3, Project Management but is stated as a separate task since the coordination may be limited or extensive. The current proposed schedule of work is likely to require limited permitting. Early conversations with permitting agencies, including affected federal agencies, indicates strong support for the project activity.

Method/Procedure

Telephone calls, face-to-face meetings, e-mails and other correspondence.

Deliverable

This task deliverable consists of verbal acknowledgement by engaged entities that the project construction will proceed as contemplated.

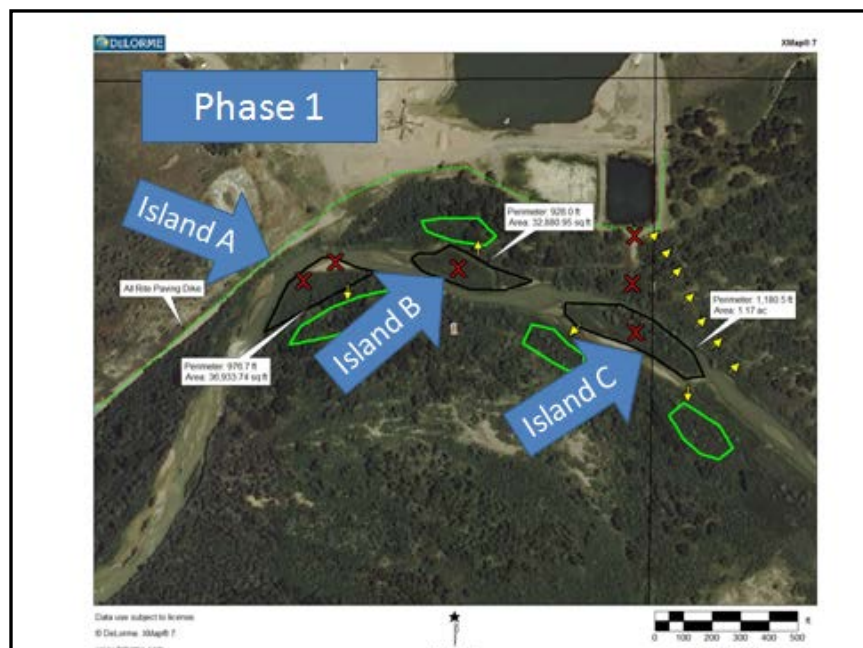
TASK 2 – Phase 1: Removal of Islands “A”, Island “B”, Island “C” and removal of the 2014 Dike; Phase 2: Removal of Island “F” and, Reconstruction and Extension of the Historic Dike

Phase 1: Description of Task

This task entails removal of the islands, as shown on the attached drawing, which impede the flow of water in the stream channel causing flooding and removal of the 2014 Dike

Phase 2: Description of Task

This task is the reconstruction/extension of the historic dike configuration from the current



structure, along with removal of Island F to alleviate routine flooding conditions. The applicant has solicited three design/build proposals. The selected contractor can proceed without equipment entering the Arkansas River at a significantly reduced bid estimate that the other two. The proposal is time sensitive in as much as winter conditions, and winter flow in the river channel, make it possible to complete the bulk of the construction activity within a short period of time.

Method/Procedure

The graphics offer a general perspective on the location of the activity. The method of reconstruction and extension of the dike is by “drag line,” a proven structure construction method for water resource development with a long history in the lower Arkansas River valley. The drag line provides for construction without the expense of mitigating activity within the stream channel.

Deliverable

When completed, the Islands depicted as “A”, “B”, and “C” will have the islands removed along with the 2014 dike (Phase 1); Phase 2: Island “F” removal is contingent on approval of the WSRA grant and will not commence prior to and until the Notice to Proceed is received from the Colorado Water Conservation Board along with the reconstruction and extension of the western end of the historic dike structure to further improve flow conditions. All Phase 2 activities will depend on approval of the WSRA grant. The contractor understands that the Phase 2 Work is subject to fund availability and a written agreement to proceed with the Work based on a not-to-exceed estimate specific to the activities.



TASK 3 – Project Management

Description of Task

This task provides pre-construction, on-site and post construction oversight of the project activity.

Method/Procedure

Prior to construction start, with Task #1 completed, the designated project manager will have a minimum of one on-site, pre-construction meeting with the contractor. Details of schedule, activity, manpower and inclement weather alternatives will be discussed. Construction activity in winter conditions offers an expedited, and much less expensive project, but does require contingency planning for extended foul weather conditions.

During the construction activity, the project manager will visit the site regularly, via both scheduled and unscheduled site visits. As each stage of construction is completed, the project manager will coordinate with the interested agencies to affirm appropriate post-construction conditions.

The project will include a retainage of funds for both the contractor and project manager. This retainage will protect the fiscal agent and interested agencies against unforeseen circumstances and insure timely delivery of the work.

Deliverable

Project completion on time and on budget.

REPORTING AND FINAL DELIVERABLE

Reporting

The Applicants shall provide the CWCB a final progress report. The progress report shall describe the 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 those issues.

Final Deliverable

At completion of the Project, the applicant shall provide the CWCB an opportunity for a site visit and, if appropriate, a meeting with interested agencies. The final report will include "before and after" photographs and a summary of the construction and project management activities.

BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.).

Anticipated budget tables for the Project are provided below. These tasks correspond to those identified above.

La Junta Streamlined Flood Mitigation and Flow Management Project							
Budget							
	Task 1	Task 2				Task 3	Total
	Coordination with Interested Agencies	Construction Island A & Remove 2014 Dike	Construction Island B	Construction Island C	Construction Island F & Reconstruct Historic Dike	Retainage & Final Report	Cost
Project Costs (Phase 1)							
Project Manager	In-kind	\$500	\$500	\$500	\$0	\$500	\$ 2,000
Contractor Bid		\$30,000	\$10,000	\$15,000	\$0		\$ 55,000
Contingency for Construction/Coordination							\$ 2,000
Project Costs Phase 2 (Proceeds Only and After WSRA funding in place)							
Project Manager					\$2,500	\$3,500	\$ 6,000
Contractor Bid					\$15,000		\$ 15,000
Contingency for Construction/Coordination							\$ 3,000
Direct Cost	Phase 1				Phase 2		
Miles	300	300	300	300	300	1,000	
Travel Costs (\$.56/mile)	\$168	\$168	\$168	\$168	\$168	\$560	\$1,400
Lodging & Per Diem	\$300					\$300	\$600
Total Travel Costs	\$468	\$168	\$168	\$168	\$168	\$860	\$2,000
Project Rates						TOTAL:	\$ 85,000
Project Manager	Mileage				Matching Funds		\$ 60,000
\$145/hour	\$.56/mile				WSRA Grant Request		\$ 25,000

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

North La Junta Dike Reconstruction and Extension					
Schedule	NTP+30 Days	NTP+60 Days	NTP+90 Days	NTP+180 Days	
Task 1 Coordinate with Agencies					
Task 2 Reconstruction and Extension					
Task 3 Project Management					

Exhibit B –Project Location

