



**COLORADO WATER CONSERVATION BOARD**  
**WATER SUPPLY RESERVE ACCOUNT**  
**APPLICATION FORM**



**IMPROVED WATER USE, CONSERVATION, MANAGEMENT AND  
OPERATIONS THROUGH THE IMPLEMENTATION OF WATER  
ACCOUNTING SOFTWARE**

**Name of Water Activity/Project**

**Montezuma Valley Irrigation Company**

**Name of Applicant**

**SOUTHWEST BASIN  
ROUNDTABLE**

**Amount from Statewide Account:**

**\$0.00**

**Amount from Basin Account(s):**

**\$52,500**

**Total WSRA Funds Requested:**

**\$52,500**

**Approving Basin Roundtable(s)**

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

**Application Content**

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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)

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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>

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](mailto: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](mailto:gregory.johnson@state.co.us).

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

1.	Applicant Name(s):	<b>Montezuma Valley Irrigation Company</b>		
	Mailing address:	<b>P.O. Box 1056 11501 Highway 491 Cortez, Colorado 81321</b>		
	Taxpayer ID#:	<b>84-0270210</b>		
	Primary Contact:	<b>Don Magnuson</b>	Position/Title:	<b>Manager</b>
	Email:	<b>dmagnuson@mvic.info</b>		
	Phone Numbers:	Cell: <b>970-739-5988</b>	Office:	<b>970-565-3332</b>
	Alternate Contact:	<b>Michelle Butler</b>	Position/Title:	<b>Office Manager</b>
	Email:	<b>mbutler@mvic.info</b>		
	Phone Numbers:	Cell:	Office:	<b>970-565-3332</b>

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.

3. Provide a brief description of your organization

**Established in 1920, Montezuma Valley Irrigation Company (MVIC) is located in southwestern Colorado and supplies irrigation water to over 30,000 acres of agricultural land via 124 miles of canals, laterals and pipelines. MVIC controls 33,284 Class A Shares and 1,500 Class B Shares of Capital Stock. Storage facilities include the Groundhog and Narraguinnep Reservoirs. The MVIC system is intermingled with the workings of the Dolores Project which was constructed by the US Bureau of Reclamation (BOR).**

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

**The applicant is the contracting entity.**

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.

**No issues.**

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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:

**Establish and maintain a water delivery record to support and document management, operational and water use decisions that demonstrate efficient, progressive use of water**

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

**MVIC owns senior decrees on the Dolores River that are pivotal to the success of agriculture as well as urban and rural development and the quality of life in the Montezuma Valley. How this water is utilized not only impacts the stockholders of MVIC, but impacts their neighbors and the community at large.**

**There is a good, detailed record of MVIC's historical diversion and storage of water. However, there is little record of the delivery of this water. To effectively know where water is being used and how it is being used and to effectively determine where improvements might be most beneficial and measure the effectiveness of those improvements, it is critical to have good delivery records.**

**This project will allow MVIC to implement and document water conservation programs, which will benefit nonconsumptive, agricultural, and municipal/industrial purposes. There will also be an educational aspect in that management can document for its shareholders and other interested parties the ability to efficiently meet the demands of the community, the success of conservation programs and the availability of water, or the lack thereof, to meet the emerging demands of the**

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area.

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:

**Establish baseline data of water use and improve efficiencies**

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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 22 37.47**

Longitude:

**108 36 28.84**

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.

**As the population of the Montezuma Valley and surrounding area grow, the demand for water grows as well. Managing and utilizing water resources efficiently continues to become more critical. Water losses via canal and lateral ditch seepage and evaporation are significant. Earthen conveyances such as these require annual maintenance at substantial cost. MVIC has embarked on a new vision to improve water and energy conservation. To date, MVIC has converted 12 miles of lateral ditches to pipeline and installed several pieces of SCADA equipment. The last project was a seven-mile pipeline with the assistance of a \$2.2 million Reclamation Stimulus funding grant.**

**MVIC recognizes the need for improved water and business management tools. The company desires to purchase three software packages from TruePoint Solutions, a software and services company focused on water management solutions, a critical tool to the MVIC effort to improve management and operational decisions that result in efficient use of water.**

**The packages include:**

- **TruAIM** – Water operation software to process water orders, collect accurate consumption data, manage seasonal water allocation and improve regulatory reporting.
- **TrueBill** – Billing software which is the core of the package that enables office staff and field staff to work more effectively, take water orders, monitor consumption and efficiently exchange data from the field back to the office for timely, accurate billing and water use tracking of shareholders.
- **TrueCIP** – Online portal allowing MVIC to take water orders online, customer

**verification and signup, as well as up-to-the minute customer account reviews. MVIC will provide the computer hardware and staff to implement and operate the software on a long-term basis. MVIC has already installed a SCADA system to monitor flow rates and operate water conservation facilities. The new computer software will complement and enhance the capabilities of the current system and greatly enhance the ability of management to attain goals of efficient water delivery and use.**



**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.<sup>1</sup>

**The activity will not affect the current system of allocating water within Colorado or amend the existing water rights adjudication system.**

- 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.

**Recommendations from the Roundtable will be furnished in a letter from the Southwest Basin Roundtable Chair.**

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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.

**To effectively know where water is being used and how it is being used and to effectively determine where improvements might be most beneficial and measure the effectiveness of those improvements, it is critical to have good delivery records. The application is for a water accounting software package that will assist MVIC in their activities to better determine and document how to effectively and efficiently provide water to an increasingly diverse community. The software is a key component of the groundwork for managing the MVIC system more efficiently. More efficient use of water provides additional options to the company, the community and the Dolores River Basin.**

- 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)

**MVIC is providing in-kind matching of labor as well as direct purchase of hardware. The company is also applying for equal funding amounts from the Southwest Water Conservation District.**

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<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. 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).
- 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.
- 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.

### **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).
- 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.

### **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.
- 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.

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j. The water activity is complimentary to or assists in the implementation of other CWCB programs.  
Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.  
**Please attach additional pages as necessary.**

**Statewide Account funds have not been requested.**

**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 will not affect water rights.**

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

**The company recently implemented its second \$75,000 Conservation Innovation Grant that was awarded by the USDA Natural Resources Conservation Service (NRCS). The grant and MVIC provided funding for solar powered flow meters, turnouts with actuator controlled valves, radio telemetry units and a SCADA system. The projects demonstrate the use of solar power and allow MVIC to monitor flow rates and control turnouts at selected locations from their headquarters. The remote controlled turnouts demonstrate the benefits of flow control in a remote area and from a location where the shareholder requires frequent flow adjustment.**

**The recommendation of TruePoint Solutions as the source for improved documentation is underpinned by years of involvement directing The New Cache La Poudre Irrigating Company from an assortment of clipboards to a paper ledger system to several versions of computerized accounting. The TruePoint software that is proposed will complement existing operations and improvements of MVIC and provide further opportunities to improve management procedures that will result in water efficiency and conservation.**

**There are no permitting issues involved with the project.**

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.

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

**Signature of Applicant:**

**Print Applicant's Name: Don Magnuson, Manager**

**Project Title: IMPROVED WATER USE, CONSERVATION, MANAGEMENT AND OPERATIONS THROUGH THE IMPLEMENTATION OF WATER ACCOUNTING SOFTWARE**

**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](mailto:gregory.johnson@state.co.us)



## **EXHIBIT A**

### **TRUEPOINT SOLUTIONS**

#### **PROPOSAL TO THE MONTEZUMA VALLEY IRRIGATION COMPANY FEBURARY 13, 2012**

#### **AMENDMENT AND PROPOSAL TO THE MONTEZUMA VALLEY IRRIGATION COMPANY MAY 15, 2012**