

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

1313 Sherman Street, Room 721
Denver, Colorado 80203
Phone: (303) 866-3441
Fax: (303) 866-4474
www.cwcb.state.co.us



TO: Colorado Water Conservation Board Members

John W. Hickenlooper
Governor

FROM: Greg Johnson,
Water Supply Planning Section

Mike King
DNR Executive Director

DATE: March 8, 2013

Jennifer L. Gimbel
CWCB Director

SUBJECT: **Agenda Item 13, March 19-20, 2013 Board Meeting**
WSRA Applications for Basin Funds

Staff Recommendation

A summary of staff's recommendation for each WSRA application is provided in the attached table. The table also includes a breakdown down of match amounts for applications that include a request for statewide WSRA funds. For clarity, the table includes all WSRA requests to be considered at this meeting:

- Agenda Item 13 – WSRA Applications for Basin Funds
- Agenda Item 14 – WSRA Applications for Statewide and Basin Funds
- Agenda Item 17 – CWCB Loan and WSRA Applications

Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation.

Background

For this agenda item the Board is provided with a brief overview of applications to the Water Supply Reserve Account (WSRA). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts;
- Water Activity Summary Sheets which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications; and
- Copies of the full applications, Basin Roundtable approval letters and any supporting documentation provided by the applicants.

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, which are primarily outlined in Part 2 of the Criteria and Guidelines (C&G).
- 2) Applications are reviewed to verify that the water activity meets the **eligibility requirements** in Section 39-29-108 (III) C.R.S. (C&G, Part 2) and the **threshold criteria**, which are based

on the requirements of Section 39-29-108 (III) C.R.S., and two sections of the Water for the 21st Century Act (House Bill 1177); Section 37-75-102 and Section 37-75-104(2)(c) (C&G, Part 3). Staff also verify that the applicant was an **eligible entity** to receive funding (C&G, Part 2).

- 3) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.

Water Supply Reserve Account Balance Summary and Project Status Report

To provide the Board updates on the status of specific Water Supply Reserve Account grant applications and projects, staff provides a status report in the CWCB Director's Report. The WSRA status report includes the following information:

- List of completed WSRA projects;
- List of WSRA projects in progress; and
- List of WSRA projects in the contracting and procurement process.

Water Supply Reserve Account Applications for Consideration at the CWCB March 2013 Board Meeting												
Agenda Item 13 - WSRA Applications for Basin Funds												
Agenda Item	Basin	Applicant	Name of Water Activity	Basin Account Request	Statewide Account Request	Total Request	Cash Match	In-Kind Match	Total Match	Staff Project Manager	Summary of Staff Recommendation	Notes
13.a	Arkansas	Colorado Water Institute	Agricultural Economics and Water Resources: Methods, Metrics and Models – A Specialty Workshop	\$9,746	\$0	\$9,746	N/A	N/A	N/A	Todd	Full Funding	
13.b	Colorado	Grace and Shehi Ditch Owners Mr. William Grange	Grace and Shehi Diversion Rehabilitation Project (Phase I & II - Alternatives Evaluation & Detailed Design)	\$40,500	\$0	\$40,500	N/A	N/A	N/A	Jacob	Full Funding	
13.c	Rio Grande	Rio Grande Watershed Conservation & Education Initiative	Value of Water: The Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future	\$23,500	\$0	\$23,500	N/A	N/A	N/A	Jacob	Full Funding	
13.d	South Platte	Colorado Division of Water Resources	Data Logger Installation Project	\$89,205	\$0	\$89,205	N/A	N/A	N/A	Greg	Full Funding	
13.e	Southwest	Animas Consolidated Ditch Company	Animas River Diversion Headgate Monitoring Study	\$14,500	\$0	\$14,500	N/A	N/A	N/A	Jacob	Full Funding	
13.f	Arkansas	Arkansas Groundwater Users Association	A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet)	\$46,971	\$0	\$46,971				Todd	Approval of Requested Change of Fiscal Agent	CHANGE OF FISCAL AGENT TO EXISTING PROJECT (former fiscal agent: Arkansas Groundwater Users Association)
				\$177,451	\$0	\$177,451						
Agenda Item 14 - WSRA Applications for Statewide and Basin Funds												
14.a	Arkansas	Southeastern Colorado Water Conservancy District	Arkansas River Basin Study	\$59,600	\$238,400	\$298,000	\$0	\$0	\$0	Todd	Full Funding	
14.b	Arkansas	Fountain Creek Watershed Flood Control and Greenway District	Fountain Creek Bank Restoration at the Frost Ranch	\$30,000	\$75,000	\$105,000	\$45,300	\$38,800	\$84,100	Chris	Full Funding	Match from Colorado Springs Utilities, Fountain Creek Watershed Flood Control and Greenway District, and Frost Livestock Company
14.c	Gunnison	Lake Fork Water Conservancy District	Henson Creek and Lake Fork Confluence Channel Improvement	\$28,975	\$260,111	\$289,086	\$244,741	\$51,210	\$295,951	Chris	Full Funding	Match from CWCB Watershed Restoration, NPS 319, GOCO, LFVC, and LFVC In-Kind
14.d	Gunnison	Colorado Open Lands	Lake San Cristobal Inlet Preservation and Fishing Access	\$16,700	\$150,300	\$167,000	\$873,000	\$810,800	\$1,683,800	Todd	Full Funding	Match from GOCO, CPW, donated conservation easement, and other In-
14.e	Rio Grande	The Mogote-Northeastern	Quantifying Mogote/Romero Flows & Effects on the Conejos System	\$16,700	\$268,300	\$285,000	\$67,850	\$27,500	\$95,350	Greg	Full Funding	Match from CWCD, water users, and NRCS (In-Kind)
14.f	Rio Grande	La Acequia del Cerro (The Cerro Ditch Company)	Rehabilitation and Ditch Lining	\$25,000	\$425,000	\$450,000	\$60,000	\$223,105	\$283,105	Greg	Approval of Basin Fund Request, Denial of Statewide Request	Match from Costilla Cty Conservation District, NRCS (In-Kind), Costilla Cty, and Applicant
14.g	Rio Grande	Sangre de Cristo Acequia Association	Culebra Watershed Vallejos Ditch Headgate Replacement	\$10,000	\$90,000	\$100,000	\$3,600	\$12,500	\$16,100	Greg	Full Funding	Match from Applicant, Costilla Conservancy District, NRCS, & Vallejos
14.h	South Platte	Ducks Unlimited, Inc.	Prewitt Reservoir Wetland Partnership	\$45,414	\$45,414	\$90,828	\$292,928	\$0	\$292,928	Todd	Full Funding	Match from CPW, NWCA, Playa Lakes Joint Venture, and Prewitt Ranch
14.i	Yampa/White	Routt County Conservation District	Armstrong Creek Restoration	\$15,000	\$35,000	\$50,000	\$30,000	\$72,000	\$102,000	Chris	Full Funding	Match from Applicant, CPW, TU, and USFS
				\$247,389	\$1,587,525	\$1,834,914						
Agenda Item 17 - CWCB Loan and WSRA Applications												
17.a	Arkansas	Ordway Cattle Feeders	Ordway Cattle Feeders Water Line Extension, Phase II	\$50,000	\$225,000	\$275,000	\$606,404	\$0	\$606,404	Anna	Full Funding	Match from Applicant, LAVWCD, and Crowley Cty. CWCB Loan = \$2,500,000
17.b	Rio Grande	Santa Maria Reservoir Company	Santa Maria Reservoir Siphon & Canal System Rehabilitation	\$23,000	\$440,750	\$463,750	\$139,125	\$0	\$139,125	Anna	Full Funding	CWCB Loan = \$1,405,163
17.c	Gunnison	Town of Ridgway	Town of Ridgway Lake Otonowanda Renovation Project	\$60,000	\$540,000.00	\$600,000				Kirk	Approval of Requested Change to Scope	CHANGE OF SCOPE TO EXISTING PROJECT (land acquisition for larger reservoir enlargement)
				\$73,000	\$665,750	\$738,750						
Water Supply Reserve Account Total March Requests				\$497,840	\$2,253,275	\$2,751,115						

COLORADO WATER CONSERVATION BOARD
Water Supply Reserve Account - Balance Summary
February 1, 2013

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$3,606,275	\$2,308,016	\$1,298,259
Interest	N/A	\$2,334,459	\$2,334,459	\$0
TOTAL	\$44,775,000	\$47,715,734	\$31,970,225	\$15,745,509

Note: The WSRA is a Severance Tax "Tier II" program with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1.

In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.

Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$1,460,967	\$1,749,501	\$288,534	\$4,692,525	
Colorado	\$1,388,330	\$1,749,501	\$361,171	\$3,741,036	
Southwest	\$1,451,846	\$1,749,501	\$297,655	\$5,038,306	
Gunnison	\$1,362,322	\$1,749,501	\$387,179	\$2,231,913	
Metro	\$1,264,929	\$1,749,501	\$484,572	\$2,225,268	
North Platte	\$1,150,077	\$1,749,501	\$599,424	\$311,027	
Rio Grande	\$1,555,166	\$1,749,501	\$194,335	\$6,590,223	
South Platte	\$1,200,857	\$1,749,501	\$548,644	\$2,550,566	
Yampa/White	\$1,193,874	\$1,749,501	\$555,627	\$431,813	
TOTAL	\$12,028,369	\$15,745,509	\$3,717,140	\$27,812,676	\$4,157,549
TOTAL APPROVED GRANTS					\$39,841,045

Note: Only includes grants approved by CWCB

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.a**

Applicant: Colorado Water Institute

Water Activity Name: Agricultural Economics and Water Resources: Methods, Metrics and Models – A *Specialty Workshop*

Water Activity Purpose: Education

County: All

River Basin: Arkansas

Water Source: Arkansas

Amount Requested: \$9,746 (Arkansas Basin Account)

Matching Funds: \$2,154 (in-kind/salary match)

Staff Recommendation
Staff recommends approval of up to \$9,746 from the Arkansas Basin Account to fund the Agricultural Economics and Water Resources: Methods, Metrics and Models – A <i>Specialty Workshop</i>

Water Activity Summary:

The project will convene a Specialty Workshop in Colorado Springs, CO to gather experts on the subject of Agricultural Economics and Water Resources. The venue for the Workshop will most likely be at the University of Colorado in Colorado Springs. Experts will be paid travel expenses and an honorarium for their participation. Particular attention will be paid to the presentation of methods, metrics, and models for valuing agriculture and its relationship to water supplies, both consumptive and non-consumptive.

The Specialty Workshop will be formal in nature. The Colorado Water Institute will research prominent experts in the field of Agricultural and Resource Economics. The most notable of these experts will be invited on the basis of their interest and potential contribution to an “informed dialogue” on the manner by which agriculture can be assessed in terms of its value within a basin-wide, regional, or state economy.

The two basic groups of questions to be considered at the workshop are:

1. How do we talk about the economics of agriculture? Is there a conventional dialogue that can be used to maintain an informed discussion on this subject? What are the available metrics and methods that exist in the body of research on this topic?
2. How do we translate metrics and methods into a model that relates agriculture’s value to larger statewide economy? How do these metrics and methods help us understand the economic relationship between agriculture and water resources?

The Specialty Workshop will be moderated by faculty at the Colorado State University Department of Agricultural and Resource Economics (Prof. James Pritchett and/or Prof. Chris Goemans). A moderated “long-panel” format is suggested for the workshop. The program structure will be designed to maximize interaction with the panelists. The project deliverable will be a Proceedings Document available from the Colorado Water Institute in *.pdf format. The event is expected to be presented in June of 2013.

Threshold Criteria

The application meets all four Threshold Criteria.

Discussion:

Staff is supportive of this effort and believes that it can help inform the CWCB's efforts in the SWSI 2016 update, especially as it relates to defining Colorado's "Agricultural Gap". The CWCB's Water Supply Planning section is currently working directly with the Colorado Water Institute regarding ag valuation and requests that the staff be involved in the planning of this workshop.

Issues/Additional Needs:

Please include CWCB staff in the planning of the workshop.

Staff Recommendation:

Staff recommends approval of up to \$9,746 from the Arkansas Basin Account to fund the Agricultural Economics and Water Resources: Methods, Metrics and Models – *A Specialty Workshop*. This approval is contingent upon the applicant addressing the issues identified in the Issues/Additional Needs of this summary sheet.

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 and Final Deliverable: 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. 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.

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.b

Applicant: Grace and Shehi Ditch Owner, Mr. William Grange

Water Activity Name: Grace and Shehi Diversion Rehabilitation Project (Phase I & II – Alternatives Evaluation & Detailed Design)

Water Activity Purpose: Agricultural

County: Pitkin

River Basin: Colorado River Basin

Water Source: Roaring Fork River

Amount Requested: \$40,500 (Colorado Basin Account)

Matching Funds: \$16,277

Staff Recommendation
Staff recommends approval of \$40,500 from the Colorado Basin Account to 1) determine which alternative best meets the identified goals of the application and 2) conduct project design.

Water Activity Summary:

As stated by the Colorado Basin Roundtable’s grant review committee, the project, once implemented, could improve 20 linear feet of the Roaring Fork River; improve 5 linear feet of pipe/canal; improve recreational boat passage; eliminate debris build up with improved diversion; improve fish passage with improved diversion; and improve measurement of volume of water delivered to the ditch.

According to the applicant, the selected alternative will be ranked based on the ability to meet the following project goals:

- Reliable delivery of Grace and Shehi Ditch’s allocated water
- Maximize the operational convenience and flexibility
- Be cost-effective
- Be technically appropriate
- Maintain or enhance the existing natural view-shed of the river at the point of diversion
- Minimize debris buildup within the Roaring Fork River channel in the vicinity of the diversion
- Provide recreation boat passage in the vicinity of the diversion
- Minimize sediment erosion within the main channel as well as near the diversion
- Facilitate fish passage in the vicinity of the structure

The improved grade control structure and head gate would assist in the delivery of water to eight water owners, including agricultural ranches, a golf course (Roaring Fork Club), Basalt Water Conservancy District, Town of Basalt, and a school district (RE-1). The decreed amount is 20.74 cfs.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant is providing matching funds equivalent to 40% of the grant request.

Discussion:

The initial application requested \$54,000 from basin funds and \$2,777 in match. After discussion at the roundtable, the total grant request was reduced and match increased. The application includes a support letter from Pitkin County's Health Rivers and Stream Program.

Issues/Additional Needs:

Staff requests that prior to commencing work on Phase II (design), that the results of Phase I (alternatives analysis) are reviewed by staff or presented to the Colorado Basin Roundtable.

Staff Recommendation:

Staff recommends approval of \$40,500 from the Colorado Basin Account to 1) determine which alternative best meets the identified goals of the application and 2) conduct project design.

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 and Final Deliverable: 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. 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.

Location Map:

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.c**

Applicant: Rio Grande Watershed Conservation & Education Initiative

Water Activity Name: The Rio Grande Basin “Narrowing the Gap” for Colorado’s Water Future

Water Activity Purpose: Education & Outreach (nonstructural)

County: Saguache, Rio Grande, Conejos, Alamosa, Costilla

River Basin: Rio Grande

Water Source: N/A

Amount Requested: \$23,500 (Basin Account)

Matching Funds: 220% of the grant request - \$51,668 (\$24,450 cash match, \$27,218 in-kind)

Staff Recommendation
Staff recommends approval of the applicant’s request of \$23,500 from the Rio Grande Basin Account for the purposes of roundtable and IBCC related education and outreach, on the condition that the applicant works with staff to clarify some aspects of the scope of work related to the “Value of Water” and water leaders.

Water Activity Summary:

The application builds on previous work conducted in the Rio Grande during Water 2012 and the work of the IBCCs Public Education, Participation, and Outreach work group. As stated in the application, the project has the following objectives.

1. Build on Water 2012 Efforts to educate citizens of the Rio Grande Basin through print, radio, and public events.
2. We have a stakeholder driven process in the Rio Grande Basin that aligns itself with the IBCC “Value of Water” Goals.
3. The Rio Grande Basin’s outreach and education program aligns itself with the IBCC’s Consensus Messages to communicate a clear water message about Colorado’s water future.
4. The Rio Grande Basin’s communication portfolio of solutions incorporates water from conservation, reuse, agricultural to municipal transfers, and the development of new supplies to minimize the impact to agriculture, the environment, and recreation.
5. The communication tools within the basin will demonstrate that supporting agriculture, environmental, and recreational projects can be multi-purpose, meeting more than one need.

This is the third application by the Rio Grande Watershed Conservation and Education Initiative.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant’s cash and in-kind match are more than two times the grant request.

Discussion:

HB 05-1177 (37-75-104) indicates that each basin roundtable has powers and responsibilities that include the following:

“(c) 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.

- “(d) Serve as a forum for education and debate regarding methods for meeting water supply needs; and
- “(e) As needed, establish roundtable subcommittees or other mechanisms to facilitate dialogue and resolution of issues and conflicts within the basin.”

These items are a focus of this application. The educational activities will be used to:

- Disseminate the IBCC’s consensus messages to Rio Grande citizens,
- Get community members involved in a “narrowing the gap” club,
- Tour WSRA projects in the basin which focus on basin issues,
- Publish 24 stories on consumptive and nonconsumptive uses and other topics,
- Develop a “pull-out” for the weekly newspaper about water, reaching 11,000 readers
- Coordinate 12 radio interviews on consumptive and nonconsumptive needs in the basin, reaching 60,000 listeners a month, and
- A Rio Grande course for 20 water leaders.

Staff worked closely with the applicant, who has found match dollars to pay for tasks not directly associated with (c), (d), and (e) above. The applicant has articulated how each task seeking WSRA funding relates to the Basin Roundtable activities, and has outlined discreet deliverables for each task.

Staff also worked closely with the applicant concerning the “Value of Water” efforts to ensure the tasks proposed in this grant fit within and do not duplicate planned activities or further confuse the “Value of Water. Further work with the applicant is required on this topic regarding language, but the tasks themselves do not duplicate planned activities.

There is also concern about the use of the term “Water Leaders,” which is a Colorado Foundation for Water Education program.

The previous two grants to the Rio Grande Watershed Conservation & Education Initiative were successfully completed.

Issues/Additional Needs:

The applicant has agreed to work with staff to clarify aspects of the scope of work related to “Value of Water” and water leaders.

Staff Recommendation:

Staff recommends approval of the applicant’s request of \$23,500 from the Rio Grande Basin Account for the purposes of roundtable and IBCC related education and outreach, on the condition that the applicant works with staff to clarify some aspects of the scope of work related to the “Value of Water” and water leaders.

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 and Final Deliverable: 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. 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.

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.d

Applicant: Colorado Division of Water Resources

Water Activity Name: Data Logger Installation Project, South Platte River Basin

Water Activity Purpose: Non-structural consumptive water project

County: Multiple

River Basin: South Platte

Water Source: South Platte

Amount Requested: \$89,205 (South Platte Basin Account)

Matching Funds: In-Kind (installation of all equipment provided by DWR and participating ditch companies)

Staff Recommendation
Staff recommends approval of up to \$89,205 from the South Platte Basin Account to help complete the project titled: Data Logger Installation Project, South Platte River Basin.

Water Activity Summary:

This project would enable the installation of stage discharge data loggers on 66 diversion structures and return flow augmentation structures on 44 different ditch systems. WSRA funds would be used for purchasing the equipment with all installation and ongoing operational costs borne by the applicant and participating ditch companies.

The principle focus will be on structures on the main stem of the South Platte downstream of Denver (Districts 2, 1, and 64); and in those districts tributary to the South Platte, including District 7 (Clear Creek), District 6 (Boulder Creek), and District 3 (Cache la Poudre). Data loggers and telemetry have already been successfully installed on most major diversion structures downstream of Denver in a prior cooperative program between Northern Water, LSPWCD, SVLHWCD and DWR, partially funded by previous WSRA requests in the amount of \$48,800 and \$46,000. This WSRA application is a continuation of the project started with this previous funding.

Purchased equipment will be installed in coordination with the various water users (Ditch Companies, Augmentation Plans and Municipalities) by DWR. This in-kind contribution will include the purchase of a 12-volt cell battery (\$75) by the appropriate water user and assistance with installation and programming by DWR if needed (usually no more than 1 hour per site). There are several sites where the water user will be installing new infrastructure to accommodate the data loggers, with costs ranging from \$700 - \$10,000. In addition, DWR will work with the respective Water Commissioners to display data on the DWR FTP site as requested by water users.

Data loggers allow for continuous flow information for water users and water administrators allowing for more efficient use of administrative staff resources. The proposed project will provide an excellent complement to the State's existing diversion and stream gage satellite program. It is also complimentary to the work being done for the Colorado Decision Support System to obtain better flow and diversion data as well and for the Alluvial Aquifer Accretion/Depletion Analysis Tool (AAADAT) program which received WSRA funds.

While the installation of this equipment will help with administration through more timely availability of information on all diversions, the primary benefit of this grant will be to eliminate the workload of ditch users and water commissioners to break down charts. In addition, it would allow flexibility in administration by not requiring users to change a chart on an eight day schedule.

The data loggers allow near real time accounting to occur for augmentation of wells and diversions. This is extremely critical in the case of augmentation as real time information is necessary to determine recharge and direct flow credits to assure there is not an injury to senior water rights.

In summary, maximizing the use of existing supplies within the basin for decreed purposes with existing infrastructure is the first step in meeting the future needs of users along the South Platte and its tributaries. The increase in the use of data loggers has improved administration, allowing DWR staff to spend more time administering water rights and less time breaking down charts.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant and numerous partnering ditch companies are providing substantial in-kind by installing and operating all data loggers in perpetuity.

Discussion:

Assisting in the funding of real-time data loggers and telemetry will facilitate the maximum use of waters in the basin. Namely, this technology will allow for the optimization of the resource, streamlining the record keeping process, providing for more precise and accurate records and providing for a more transparent environment where water users are able to verify when and how much other water users are diverting. Considering the intense competition of water in the South Platte River, every effort should be made to encourage wise and efficient use of the resource and this technology is a simple means to achieve that goal.

Issues/Additional Needs:

No issues have been identified.

Staff Recommendation:

Staff recommends approval of up to \$89,205 from the South Platte Basin Account to help complete the project titled: Data Logger Installation Project, South Platte River Basin.

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 and Final Deliverable: 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. 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.

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.e

Applicant: Animas Consolidated Ditch Company

Water Activity Name: Animas River Diversion Headgate Monitoring Study

Water Activity Purpose: Agricultural Study

County: La Plata

River Basin: Southwest Basin Roundtable

Water Source: Animas River

Amount Requested: \$14,500 (Southwest Basin Account)

Matching Funds: \$4,000 cash match (28% of the grant request)

Staff Recommendation
Staff recommends approval of up to \$14,500 from the Southwest Basin Account for the purposes of monitoring headcutting impacts.

Water Activity Summary:

The Animas Consolidated Ditch company is heading a coalition of five ditch companies located in the Animas River Valley. These ditch companies irrigate approximately 3,000 acres on both sides of the river.

As stated by the applicant, the objectives are to “install control points along a specific river stream section, delineate river cross sections, collect and analyze data. The data collection shall be made available for future studies to evaluate potential changes in the Animas River.”

According the roundtable’s letter of approval, the study complements both consumptive and nonconsumptive IPPs related to the animas river. The permanent control points will be established into the riparian habitat in a ½ mile section of the Animas River that includes points of diversion for 98% of the beneficial use of the Animas water from Baker’s Bridge to Durango. The control points will be used to compare head-cutting resulting from past gravel mining to data collected in 1981 and monitor change going forward. Should structural correction be required to maintain the capability for continued diversions, the survey will provide information needed to design corrections.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant and its partners are providing matching cash funds of \$4,000.

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

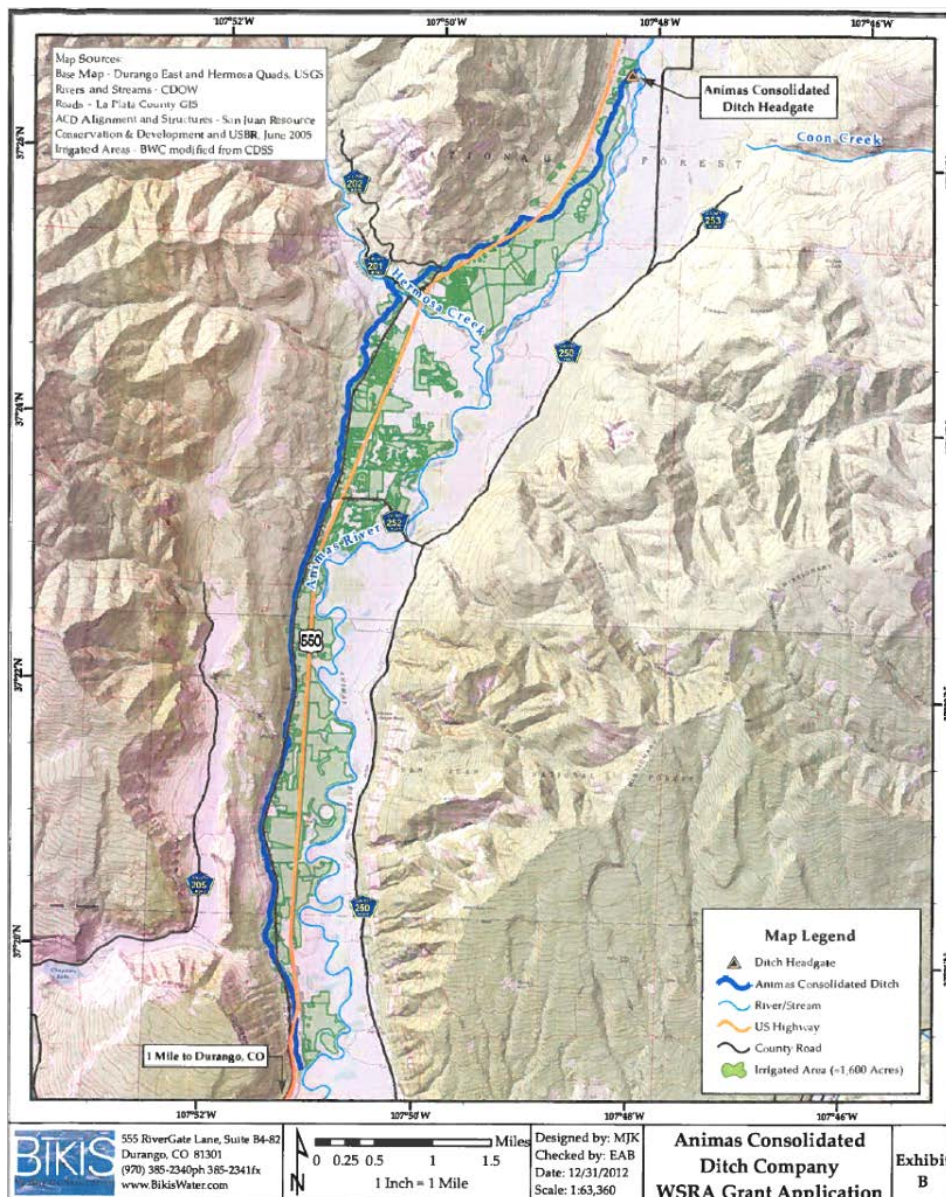
Staff recommends approval of up to \$14,500 from the Southwest Basin Account for the purposes of monitoring headcutting impacts.

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 and Final Deliverable: 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. 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.

Location Map:



Sangre de Cristo



*Resource Conservation
and Development*

Sangre de Cristo RC&D Council, Inc.

PO Box 457
Westcliffe, CO 81252

Member of the Western RC&D Association:
www.westernrcd.org

Agenda Item 13.f

February 1, 2013

Colorado Water Conservation Board (CWCB)
Water Supply Planning Section
Attn: Mr. Todd Doherty
1580 Logan Street, Suite 200
Denver, CO 80203

Subject: Formal Request for Transfer of Grant Responsibility for Purchase Order #OE PDA
12IBC000006

Reference: 1) Multi-Media Program for Reporting Crops and Turf Water Use Estimates from the
Colorado Agricultural Meteorological Network (CoAgMet)

Reference: 2) Telephone conversation between Don Pearson and Todd Doherty, January 7, 2013.

Dear Mr. Doherty,

As discussed during our reference telephone conversation, as well as addressed in various emails between our offices in November and December of 2012, the Sangre de Cristo RC&D Council is requesting your assistance in transferring grant management responsibility for this grant and the associated work. In our discussion you requested a formal letter from the Council stating our intent to have this action presented for approval by the CWCB Board of Directors during the scheduled March 2013 meeting. This letter serves as formal notice of our request to have this request presented.

The RC&D Council made the decision in October 2012 to conclude or transfer all outstanding grants and programs as soon as possible because the organization can no longer sustain operations due to the budgetary cut of its paid manager's position. This decision, though difficult to make, requires that we relinquish our fiduciary management responsibilities for the CoAgMet grant, awarded through your office in late 2011.

As Executive Director I am responsible for managing the diligent transfer of any and all active grants, and I have been working closely with our partners on this effort, including Colorado State University (Dr. Perry Cabot) and the Arkansas Groundwater Users Association (AGUA), specifically with Mr. Scott Lorenz. The AGUA Board of Directors has reviewed and approved their organization stepping up to the task of managing this grant through its completion, provided the same terms and conditions in the original contractual agreement remain the same. Dr. Cabot works closely with AGUA and Mr. Lorenz and he approves of the decision and recommendation to use AGUA as the agency for the grant management. The only remaining party to get agreement from is the CWCB, which as you indicated will be presented to them at their March 2013 Board meeting.

Once the CWCB Board approves this action we are prepared to work with you, Dr. Cabot, and AGUA to facilitate the signing of whatever transfer documents the CWCB requires, and the financial transfer of partner funds we are currently holding in our account. To date, no formal invoices have been submitted to the CWCB for work performed, and future invoices would be submitted by AGUA per the contract.

Sangre de Cristo



*Resource Conservation
and Development*

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Agenda Item 13.f

If you have any questions or need additional documentation prior to the CWCB Board meeting please don't hesitate to contact me by phone or email. I look forward to the smooth transfer of grant management responsibility and thank you for your support with our request. The outstanding working relationship between the RC&D and the CWCB has been a benefit to many communities and individuals in our region of Colorado and it has been a pleasure working with your organization.

Respectfully submitted on behalf of the RC&D Council,

A handwritten signature in blue ink that reads "Don Pearson". The signature is stylized with a large, sweeping "D" and a long, trailing "n".

Don Pearson
Executive Director
(303) 815-4984



Arkansas Basin Roundtable
Official Records Location
c/o Board of Water Works of Pueblo
Attention: Leslie Martinez
P.O. Box 400
Pueblo CO 81002-0400

January 16, 2013

Greg Johnson
Colorado Water Conservation Board
Water Supply Planning Section
1580 Logan Street, Suite 600
Denver, Colorado 80203

Re: Water Supply Reserve Account Grant Application for Specialty Workshop on the Economics of Agriculture

Dear Greg:

Under separate cover you will receive a WSRA grant application for the Specialty Workshop on the Economics of Agriculture. At the January 9, 2013, Arkansas Basin Roundtable meeting, the Roundtable agreed by consensus to approve this application for \$10,000 in Basin Funds.

My expectation is that this grant request will be heard at the March, 2013 CWCB meeting. Please do not hesitate to contact me if you have any questions.

Sincerely,

Gary Barber
Chair

c: Executive Committee, Ark Roundtable
Todd Doherty, CWCB staff
Perry Cabot



COLORADO WATER CONSERVATION BOARD
WATER SUPPLY RESERVE ACCOUNT
APPLICATION FORM



Agricultural Economics and Water Resources: Methods, Metrics and Models – A Specialty Workshop

Name of Water Activity/Project

Colorado Water Institute

Name of Applicant

Dr. Perry E. Cabot
830 N. Main St., Suite 200
Pueblo, CO 81003

Amount from Statewide Account:

Amount from Basin Account(s):

Total WSRA Funds Requested:

\$9,746

\$9,746

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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

Required Exhibits

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

Appendices – Reference Material

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

Water Supply Reserve Account – Application Form

Revised December 2011

Instructions

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

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

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

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

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

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

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

Water Supply Reserve Account – Application Form

Revised December 2011

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

1.	Applicant Name(s):	Colorado Water Institute		
	Mailing address:	Colorado Water Institute E119 Engineering Bld. Fort Collins, CO 80523-2033		
	Taxpayer ID#:	846000545		
	Primary Contact:	Perry E. Cabot	Position/Title:	Water Res Specialist
	Email:	perry.cabot@colostate.edu		
	Phone Numbers:	Cell: (719) 334-2558	Office:	(719) 545-1845
	Alternate Contact:	Nancy Grice	Position/Title:	Assistant to Director
	Email:	Nancy.Grice@ColoState.EDU		
	Phone Numbers:	Cell:	Office:	(970) 491-6724

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

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

Water Supply Reserve Account – Application Form

Revised December 2011

3. Provide a brief description of your organization

The project applicant is the **Colorado Water Institute (CWI)**. The CWI, an affiliate of Colorado State University, exists for the express purpose of focusing the water expertise of higher education on the evolving water concerns and problems being faced by Colorado citizens. The Colorado Water Institute (CWI) is authorized and funded by Congress and the Colorado Legislature. CWI is accountable to Congress via its annual appropriation, a required annual report, and a thorough congressionally mandated peer review conducted every five years under the auspices of the U.S. Geological Survey. Copies of CWI's Federal and State authorizing legislation are attached to the Annual Report PDF. CWI is operated, by law, as a state-wide water research institute, obligated to connect all water expertise in Colorado's higher education system with research and education needs of Colorado's water managers and users.

Collaboration on this project will be provided by **CSU Extension**, which provides office space and secretarial support to Dr. Cabot in Pueblo, CO. CSU Extension was originally authorized through the United States Congress by the Smith-Lever Act (1914) as the Cooperative Extension Service. The USDA's National Institute of Food and Agriculture (NIFA) administers supportive funding for Smith-Lever Act services (including Extension) under the auspices of state and county governments and each state's designated land-grant universities. Extension is a public educational entity for providing research-based outreach to solve problems and improve the lives of US citizens. More simply, *the purpose of Extension is to provide a link between the university and the citizens of the state*, and our philosophy is that the entire state is our campus, and its residents are our students. Extension in Colorado is headquartered at CSU, and our system of county offices also puts Extension resources within easy reach of Colorado's 64 counties. Examples of educational courses provided by CSU Extension include 4-H Youth Development, Healthwise for Life, and Value-Added Agriculture.

Colorado State University is a Public Institution of Higher Education and an 1862 land grant university.

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

☒ **XX**

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.

Water Supply Reserve Account – Application Form
Revised December 2011

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.

TABOR Issues. Taxpayer Bill of Rights (TABOR) issues are not anticipated to be relevant to these demonstration projects because the project will not affect governmental revenues or expenditures.

Water Supply Reserve Account – Application Form

Revised December 2011

Part II. - Description of the Water Activity/Project

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

☐ Nonconsumptive (Environmental or Recreational)

☐ Agricultural

☐ Municipal/Industrial

☐ Needs Assessment

☒ Education

☐ Other

Explain:

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

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

☐ Study

☐ Implementation

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

New Storage Created (acre-feet)

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

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

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

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

Area of Restored or Preserved Habitat (acres)

☒ Other – Explain: Number of workshop attendees; archived proceedings from event

Water Supply Reserve Account – Application Form

Revised December 2011

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

Latitude:

Longitude:

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

The project will convene a Specialty Workshop in Colorado Springs, CO to gather experts on the subject of Agricultural Economics and Water Resources. The venue for the Workshop will most likely be at the University of Colorado in Colorado Springs. Experts will be paid travel expenses and an honorarium for their participation. Particular attention will be paid to the presentation of methods, metrics, and models for valuing agriculture and its relationship to water supplies, both consumptive and non-consumptive.

The Specialty Workshop will be formal in nature. The Colorado Water Institute will research prominent experts in the field of Agricultural and Resource Economics. The most notable of these experts will be invited on the basis of their interest and potential contribution to an “informed dialogue” on the manner by which agriculture can be assessed in terms of its value within a basin-wide, regional, or state economy.

The two basic groups of questions to be considered at the workshop are:

1. How do we talk about the economics of agriculture? Is there a conventional dialogue that can be used to maintain an informed discussion on this subject? What are the available metrics and methods that exist in the body of research on this topic?
2. How do we translate metrics and methods into a model that relates agriculture’s value to larger statewide economy? How do these metrics and methods help us understand the economic relationship between agriculture and water resources?

The Specialty Workshop will be moderated by faculty at the Colorado State University Department of Agricultural and Resource Economics (Prof. James Pritchett and/or Prof. Chris Goemans). A moderated “long-panel” format is suggested for the workshop. The program structure will be designed to maximize interaction with the panelists. The project deliverable will be a Proceedings Document available from the Colorado Water Institute in *.pdf format. The event is expected to be presented in June of 2013.

Water Supply Reserve Account – Application Form

Revised December 2011

Part III. – Threshold and Evaluation Criteria

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

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

This project will in not affect or injure water rights. Pilot project collaborators and future participants are workshop attendees.

- 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 BRTs 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.

See attached letter dated January 16, 2013 from Roundtable Chairperson Gary Barber.

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

Water Supply Reserve Account – Application Form

Revised December 2011

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

See attached letter dated January 16, 2013 from Roundtable Chairperson Gary Barber.

- 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 CWCB. 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)

See Budget Table 1 above. Salary matching is provided from Colorado State University for Dr. Perry Cabot and Prof. James Pritchett to assist with coordinating and facilitating the event.

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

Water Supply Reserve Account – Application Form

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

Water Supply Reserve Account – Application Form

Revised December 2011

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

Please attach additional pages as necessary.

No funding is sought from Statewide Account.

Water Supply Reserve Account – Application Form

Revised December 2011

Part IV. – Required Supporting Material

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

The project will partner with statewide print media suppliers, radio stations, irrigators, conservancy districts and municipal water suppliers to advertise the event. It will focus only on the assessment of water's value. No supply source or body of water will be affected in the course of this project.

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

Specialty workshops are common in many of the sciences. This particular workshop will be coordinated in part with the Agricultural & Applied Economics Association (AAEA). The AAEA (www.aaea.org) is a not-for-profit association serving the professional interests of members working in agricultural and broadly related fields of applied economics. Members of the AAEA are employed by academic or government institutions, as well as in industry and not-for-profit organizations, and engage in a variety of teaching, research, and extension/outreach activities. Their work addresses a broad range of topics such as the economics of agriculture, international and rural development, resources and the environment, food and consumer issues, and agribusiness.

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

Table 1. Detailed Budget

Category	Year 1 - 2013	Total
LABOR COSTS		
Colorado Water Institute Assistant	\$ 400	
TRAVEL EXPENSES (for Speakers) - 8	\$ 4,075	\$ 4,075
HONORARIUM (for Speakers) - \$350	\$ 2,800	\$ 2,800
FACILITY RENTAL (UC-CS)	\$ 1,200	\$ 1,200
OTHER DIRECT COSTS	\$ 0	\$ 0
TOTAL COSTS:	\$ 8,475	\$ 8,475
INDIRECT COSTS (15% Negotiated Rate)	\$ 1,271	\$ 1,271
TOTAL WSRA FUNDING REQUEST:	\$ 9,746	\$ 9,746
Matching Funds (Colorado Water Institute)		
Perry Cabot (Salary + Fringe)		
James Pritchett (Salary + Fringe)		
TOTAL MATCHING FUNDS	\$ 2,154	
Matching Fund Rate	22%	

Project Schedule. The event is expected to be presented in June of 2013. Planning and coordination between Dr. Cabot and Prof. Pritchett will begin in March 2013. A student assistant from the CWI will also be assigned in March 2013. An internet web presence of the workshop and call for presenters will commence in early April 2013 in order to seek the best available experts for the event. Planning

Water Supply Reserve Account – Application Form

Revised December 2011

will continue between April 2013 and June 2013 in coordination with Andreanna Romero from the University of Colorado – Colorado Springs Facilities Planning.

TASK 1 – Organization and Presentation of Specialty Workshop (\$9,746)

Description of Task. a Specialty Workshop in Colorado Springs, CO to gather experts on the subject of Agricultural Economics and Water Resources. Particular attention will be paid to the presentation of methods, metrics, and models for valuing agriculture and its relationship to water supplies, both consumptive and non-consumptive. The Colorado Water Institute will research prominent experts in the field of Agricultural and Resource Economics. The most notable of these experts will be invited on the basis of their interest and potential contribution to an “informed dialogue” on the manner by which agriculture can be assessed in terms of its value within a basin-wide, regional, or state economy.

Method/Procedure. The venue for the Workshop will most likely be at the University of Colorado in Colorado Springs. Experts will be paid travel expenses and an honorarium for their participation. The Specialty Workshop will be moderated by faculty at the Colorado State University Department of Agricultural and Resource Economics (Prof. James Pritchett and/or Prof. Chris Goemans). A moderated “long-panel” format is suggested for the workshop. The program structure will be designed to maximize interaction with the panelists.

Deliverable. The project deliverable will be a Proceedings Document available from the Colorado Water Institute in *.pdf format. The event is expected to be presented in June of 2013. The PI is also investigating the potential to create a video proceedings of the event.

REPORTING AND FINAL DELIVERABLE

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

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

PAYMENT

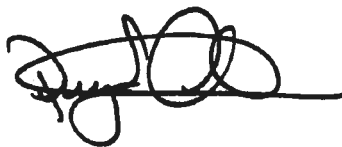
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for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

Water Supply Reserve Account – Application Form

Revised December 2011

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

Signature of Applicant:



Print Applicant's Name: Perry E. Cabot

Project Title: Agricultural Economics and Water Resources: Methods, Metrics and Models – *A Specialty Workshop*

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

THE COLORADO BASIN ROUNDTABLE
C/O P.O. BOX 1120
GLENWOOD SPRINGS, COLORADO
81602

February 1, 2013

Greg Johnson
COLORADO WATER CONSERVATION BOARD
1580 Logan Street, Suite 600
Denver, CO 80203

Dear Greg:

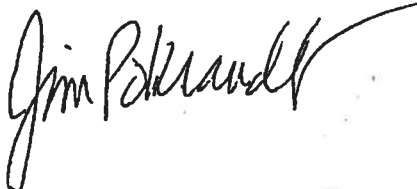
The Colorado Basin Roundtable voted at its January 14, 2013, meeting to approve a Basin Account Grant Request of Water Supply Reserve Account funds for the Grace and Shehi Ditch Diversion Rehabilitation Project in the amount of \$40,500. The project is located on the Roaring Fork River, in the greater Basalt area.

Initially minority dissent in the discussion was based on a perceived inadequate contribution from shareholders. Therefore the approval reduced the requested amount from \$54,000 to \$40,500.

The project was reviewed by our new Colorado Basin Roundtable Grants Committee. It was found to align with our Vision Statement and our Priorities Review. That report is attached. In summary, the grant will position the project to go to bid in an effort to improve the headgate, water measurement, ditch efficiency for the benefit of agriculture on lands preserved by a conservation easement, river morphology, fish passage and boat passage.

Thank you for your time and consideration.

Sincerely yours,



Jim Pokrandt
Chair, Colorado Basin Roundtable

Attachment: CFWE grant application
CBRT Grants Committee Review Report



COLORADO WATER CONSERVATION BOARD
WATER SUPPLY RESERVE ACCOUNT
APPLICATION FORM



Grace and Shehi Diversion Rehabilitation Project (Phase I & II - Alternatives Evaluation & Detailed Design)

Name of Water Activity/Project

Grace and Shehi Ditch Owner: Mr. William Grange
(See Part I.)

Name of Applicant

Colorado River Basin Roundtable

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$54,000

Total WSRA Funds Requested:

\$54,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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

Required Exhibits

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

Appendices – Reference Material

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

Water Supply Reserve Account – Application Form

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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

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

Water Supply Reserve Account – Application Form
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Part I. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	Mr. William Grange		
	Mailing address:	Mr. William Grange 408 West Cody Lane Basalt, CO 81621		
	Taxpayer ID#:	Not Available		
	Primary Contact:	Mr. Louis Meyer	Position/Title:	Professional Engineer
	Email:	louism@sgm-inc.com		
	Phone Numbers:	Cell: NA	Office:	970-945-1004
	Alternate Contact:	Ken Ransford	Position/Title:	Attorney at Law, CPA
	Email:	kenransford@comcast.net		
	Phone Numbers:	Cell: NA	Office:	970-927-1200

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 Grace and Shehi Ditch provides water to eight water owners which are made up of agricultural ranches, a golf course, conservancy district, municipality and school district interests. It is an unincorporated ditch consisting of individual owners with decision-making procedures voted upon based on their decreed amount. Financial obligations are also encumbered based on their decreed amount. Water from the ditch is decreed for irrigation use only. The ditch's water supply is the Roaring Fork River with a total decreed amount of 20.74 cfs. The following eight individuals hold rights to water supplied via the ditch: Roaring Fork Club (2.5 cfs), Mr. William Grange (4.32 cfs), Mr. Reno Cerise (9.1 cfs), Ms. Alice Stott (0.23 cfs), Basalt Water Conservancy District (1.02 cfs), Town of Basalt (1.57 cfs), RE-1 School District (1.5 cfs), Ms. Martha Waterman (0.5 cfs)

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

The contracting entities will be Mr. William Grange and Mr. Reno Cerise

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.

Not Applicable.

Water Supply Reserve Account – Application Form

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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.

See Attachment 1.

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:

Cost savings due to regular in-channel maintenance.

Water Supply Reserve Account – Application Form
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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude:

Longitude:

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

The existing diversion structure consists of a cobble berm and head gate. The cobble berm provides hydraulic grade control and extends from the river's west bank linearly into the river's main channel. The head gate is a concrete structure with a sliding gate and downstream vaulted flume. Together, the head gate and flume controls, measures and directs flow into the ditch network. During moderate and low flow seasons, the existing cobble berm is insufficient to bring adequate flows into the ditch. Furthermore, water passage across the cobble berm tends to trap debris and obstruct recreational boat passage and silt build-up has occurred immediately downstream of the berm. The existing head gate is manually operated and provides no automated flow rate adjustment into the ditch. The ditch owners would like to conduct a feasibility analysis of potential options for retrofitting the cobble berm and head gate. The best-fit option would allow for adequate delivery of water into the ditch during variable flow conditions, provide automated adjustment during all flow seasons, provide safe passage for recreational boat traffic and maintain or enhance fish passage in the vicinity of the diversion point. The WSRA funding will be used to conduct feasibility analysis and conceptual-level cost estimate to construct the various options in order to select the best-fit solution (Phase I) and to design and permit the selected alternative (Phase II).

Water Supply Reserve Account – Application Form

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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.)

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

The project does not supersede, abrogate or otherwise impair water rights or the adjudication system because the proposed work simply aims to enhance the accuracy of the existing flow diversion structure while working to improve in-channel characteristics to expand the use of the Roaring Fork River for recreational purposes. All proposed work would be conducted in accordance with the existing local, state and federal laws and procedures.

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

The applicant is soliciting grant funds only from the Colorado Basin Round Table, and evaluation and approval of those funds will be pending the review of this submission. It is anticipated that Colorado BRT review process will be in compliance with this criterion.

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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- 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.

Consumptive needs within the Colorado River Basin have been evaluated as part of the Statewide Water Supply Initiative, evaluating water needs for M&I and SSI. Non-consumptive needs within the Colorado River Basin have been evaluated as part of the BRT's 2010 Non-Consumptive needs assessment. Both documents indicate need for improved efficiency within the existing agricultural-based infrastructure for in-stream flow enhancement. This project works to benefit agricultural water users while improving existing channel characteristics to the benefit of non-consumptive Roaring Fork River water users.

Through evaluation of this application, it is anticipated that Colorado's BRT will approve the project in light of provisions of Section 37-75-104(2). The applicant is not seeking statewide funding for which approval letters would need to be attached prior to developing this submittal.

- 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 CWCB. 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)

This applicant is soliciting funds from the BRT only. The applicant proposes a 5% direct cash match to be put towards the total project cost.

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

Water Supply Reserve Account – Application Form
Revised December 2011

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.
Please attach additional pages as necessary.

This applicant is not requesting funds from the Statewide Account.

Water Supply Reserve Account – Application Form
Revised December 2011

Part IV. – Required Supporting Material

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

The Grace and Shehi Ditch is a surface-water diversion (Structure ID 715) that draws water from The Roaring Fork River, a tributary to the Colorado River. It is located in Division 5 (Colorado River Basin), sub-district 38 (Roaring Fork River Basin). The ditch's total decreed amount is 20.74 CFS. The ditch's senior water rights were adjudicated in 1889.

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

See Attachment 2.

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.

See Exhibit A-1 Statement of Work, Exhibit A-2 Detailed Budget and Exhibit A-3 Project Schedule

REPORTING AND FINAL DELIVERABLE

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

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

PAYMENT

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

Water Supply Reserve Account – Application Form
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The above statements are true to the best of my knowledge:

Signature of Applicant: *William Grange*

Print Applicant's Name: *WILLIAM GRANGE*

Project Title: Grace and Shehi Diversion Rehabilitation Project (Phase I & II -
Alternatives Evaluation & Detailed Design)

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

Attachment 1.

Part II.

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

The project involves feasibility analysis, to assess potential design and conceptual-level costs to rehabilitate the existing diversion structure, as well as detailed design and permitting of the best-fit alternatives. This part of the Project (Phase I and II) will be followed by construction and implementation (Phase III) of two elements to the Grace and Shehi Ditch diversion structure located on the Roaring Fork River.

Phase I and II will aim to identify and technically design best-fit solutions for two elements of the diversion structure:

The first of the two elements, the ditch's existing grade control structure, is a linear cobble berm that crosses the majority of the river channel. During moderate and low flow seasons, the existing cobble berm is insufficient to bring adequate flows into the ditch. Furthermore, water passage across the cobble berm tends to trap debris and obstruct recreational boat passage and silt build-up has occurred immediately downstream of the berm. Rehabilitation of this berm will improve non-consumptive use of Roaring Fork River channel for recreational purposes.

The second element is that of the head gate and flow measurement flume. The existing head gate is manually operated and provides no automated flow rate adjustment into the ditch. The ditch owners would like to conduct a feasibility analysis of potential options for retrofitting the head gate. Improvements to or replacement of the gate will allow ditch users to improve delivery reliability and to easily make adjustments based on stream flow conditions. Delivery reliability improvements to the head gate and flow measurement flume would act as a benefit to the agricultural-decreed ditch water owners.

Overall benefits will improve ditch delivery reliability, enhance flexibility for flow adjustment into the ditch based on stream flow conditions while also providing improved boat passage and limiting bank erosion.

Attachment 2.

Part IV. Required Supporting Material

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

To date, no previous studies have been conducted on the grade control structure or the head gate and flow measurement flume.

Permit requirements for this proposed project are detailed in the Statement of Work and include, Army Corps of Engineer (ACE) Nationwide 33 Permit, CDPHE 401 Certification and Pitkin County Floodplain Permit, at a minimum. In addition, as part of the permit process for the agencies listed above, coordination will likely be required with the Colorado State Engineer through the local Division of Water Resources (DWR) as well as with the Colorado Parks and Wildlife.

ACE Nationwide 33 Permit:

While maintenance to the ditch and head gate qualify for agricultural exemption, construction requirements for improvements to the cobble berm grade control structure, including temporary installation of coffer dam and construction de-watering result in the need to obtain an ACE Nationwide 33 Permit.

CDPHE 401 Certification:

Certification from CDPHE will be needed to comply with ACE Nationwide Permit. This certification includes provisions for design and construction that will maintain water quality in the river throughout the duration of the project.

Pitkin County Floodplain Permit:

Because of work that will be conducted within the floodplain for the Roaring Fork River, floodplain permitting will be required. The local permitting authority is Pitkin County.

Additional Agency Coordination:

Agency coordination is expected to be needed with State Engineer's local Division of Water Resources office to verify the design meets the needs of the local water commissioner.

The project is not located in the Gold Medal waters of the Roaring Fork River. However, through Pitkin County Floodplain Permitting and ACE Permitting, design coordination (such as regarding use of grout) as well as scheduling requirements (such as impact of construction on fish spawning season) will likely be needed with Colorado Parks and Wildlife.

Exhibit A.

Part IV.

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

Exhibit A-1 Statement of Work

Exhibit A-2 Detailed Budget

Exhibit A-3 Project Schedule

Exhibit A-1. Statement of Work

Part IV. Required Supporting Material

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

Statement of Work for Grace and Shehi Ditch Intake Restoration

This document presents the proposed Statement of Work for preliminary evaluation, engineering design and construction of the potential improvements to the Grace and Shehi Ditch raw water intake structure located on the Roaring Fork River.

PROJECT BACKGROUND

The existing raw water intake structure on the Roaring Fork River is located adjacent to Highway 82 at the southeast end of the Roaring Fork Club (Exhibit B).

The existing diversion structure consists of a cobble berm and head gate. The cobble berm provides hydraulic grade control and extends from the river's west bank linearly into the river's main channel (Figure 1). The head gate is a concrete structure with a sliding gate and downstream vaulted flume. Together, the head gate and flume controls, measures and directs flow into the ditch network. During moderate and low flow seasons, the existing cobble berm is insufficient to bring adequate flows into the ditch. Furthermore, water passage across the cobble berm tends to trap debris and obstruct recreational boat passage and silt build-up has occurred immediately downstream of the berm. The existing head gate is manually operated and provides no automated flow rate adjustment into the ditch. The ditch owners would like to conduct a feasibility analysis of potential options for retrofitting the cobble berm and head gate. The best-fit option would allow for adequate delivery of water into the ditch during variable flow conditions, provide automated adjustment during all flow seasons, provide safe passage for recreational boat traffic and maintain or enhance fish passage in the vicinity of the diversion point. The WSRA funding will be used to conduct feasibility analysis and conceptual-level cost estimate to construct the various options in order to select the best-fit solution (Phase I) and to design and permit the selected alternative (Phase II). Additional construction phase (Phase III) will be needed to construction the best-fit solution.

Figure 1. Grace and Shehi Raw Water Intake



PROJECT GOALS

The overall goal of the project is to identify a solution for improving diversion flow management while simultaneously restoring recreational boat and fish passage in the Roaring Fork River. A best-fit solution will achieve the following:

- Reliable delivery of Grace and Shehi Ditch's allocated water
- Maximize the operational convenience and flexibility
- Be cost-effective
- Be technically appropriate
- Maintain or enhance the existing natural viewshed of the River at the point of diversion
- Minimize debris buildup within the Roaring Fork River channel in the vicinity of the diversion
- Provide recreation boat passage in the vicinity of the diversion
- Minimize sediment erosion within the main channel as well as near the diversion
- Facilitate fish passage in the vicinity of the structure

PROJECT APPROACH AND PHASING

The project approach will be organized into three phases. The following generally describes the anticipated work to be conducted as part of each Phase. This grant application request is made for Phases I and II. Costs and potential impacts associated with Phase III depend on decisions made in Phase I and II; the applicant will submit a separate grant request for Phase III upon completion of Phases I and II.

Phase I

Phase I is an alternatives evaluation and development of a conceptual design. Preliminary improvement recommendations have been proposed that include a cross-vane grade control berm (Rosgen Structure) and Rubicon FlumeGate™ at the head gate. Alternatives will be evaluated based on the following criteria: (1) ability to meet project goals, (2) cost, (3) ease of construction, (4) visual impact; however, these criteria may be modified, as needed, as the project proceeds. The results of the alternatives evaluation will be summarized in a technical memorandum that will provide the basis for final engineering design.

Alternatives evaluation will be considered based upon improvements to: (1) grade control structure and the (2) head gate (existing manual sluice gate). The following alternatives are anticipated to be evaluated for the Grade Control (GC) berm:

GC1. Rehabilitate Existing Linear Cobble Berm – It is not uncommon for grade control walls made of natural, non-fixed materials, such as this one, to require annual maintenance. If such maintenance does not occurred regularly, rehabilitation of the existing linear cobble wall might represent the most cost effective solution. While the linear wall, as it functions currently, does not satisfy the all of the identified goals, rehabilitation of the existing wall, including installation of a pre-formed scour pit and low-flow channel, could address some of its shortfalls (Figure 2).

Figure 2. Successfully Rehabilitated Linear Grade Control Wall
(NFRIA-WSERC Conservation Center, North Fork of the Gunnison River
Restoration Project, www.theconservationcenter.org)

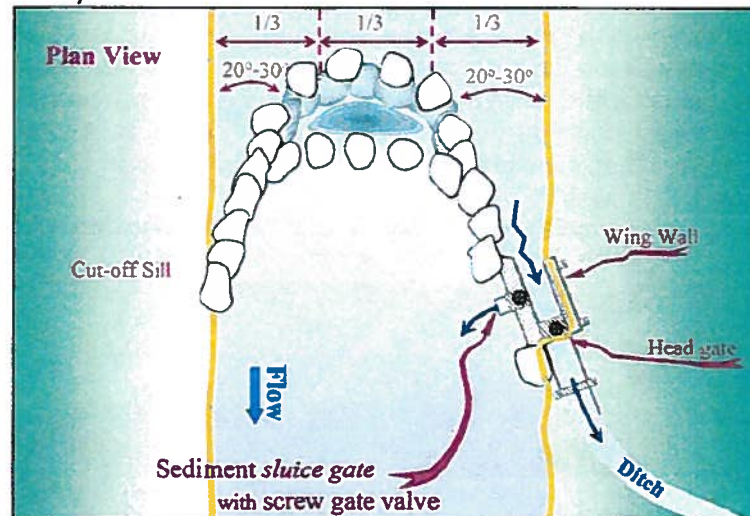


GC2. Concrete Drop Structure – Concrete grade control structures are commonly used and have been proven to provide the grade-control function needed here. Furthermore, well-designed and properly-installed concrete drop structures are sturdy and are capable of withstanding many of the variable flow regimes that can occur in natural river channels without shifting or settling. Such a structure would likely include engineered scour pit for erosion control and low-flow channel for boat passage.

The technical need for Single- or Series-Sill Rosgen structures should be determined, based on the river's slope in the vicinity of the diversion structure, as part of Phase I.

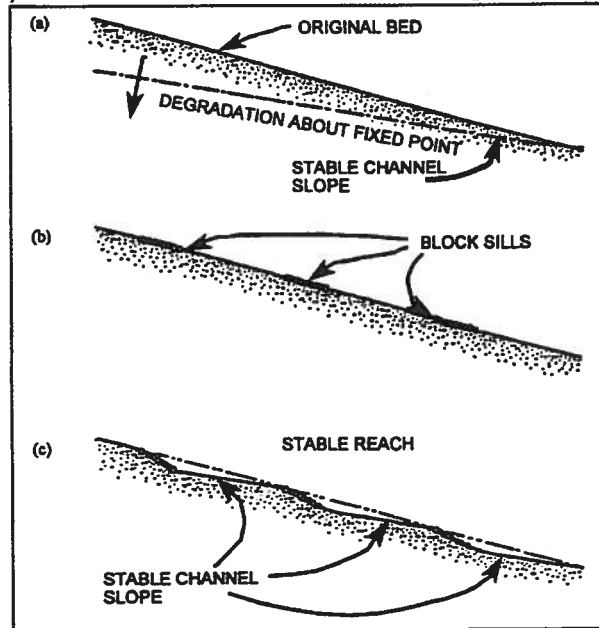
GC3. Single-Sill Rosgen Structure - The Single-Sill Rosgen wall has been proposed as an alternative to the existing wall's configuration. The U-shaped wall is constructed, primarily, of rock. The shape of the wall directs the majority of the river's water towards the center of the channel while providing grade control on the river's two banks. Properly spaced boulders in the center of the wall would allow recreational boat passage and minimize debris buildup. The wall would also include a secondary, downstream barrier that would contain scour and minimize erosion (Figure 3).

Figure 3. Single-Sill Rosgen Structure Conceptual Drawing
(St.Jude's CRCP 26(a)(2), Dave Rosgen, 2nd Supp Disclosures, 10/19/2010, 000006)



GC4. **Series Sill Rosgen Structure** – Multiple sills, in series could be needed if the channel characteristics are such that bed erosion will occur that would cause functionality of the Single-Sill to decrease structure over time. In addition, fish passage across the structure will also dictate the need for Series vs. a Single-Sill (Figure 4).

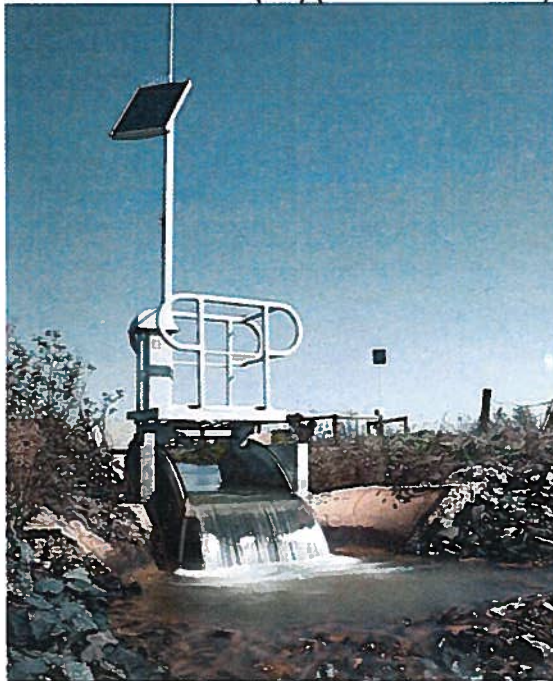
Figure 4. Series-Sill Structures for Bed Stabilization
(USACE, Demonstration Erosion Control Design Manual, 1999)



The following alternatives will be evaluated for improving water delivery reliability (DR):

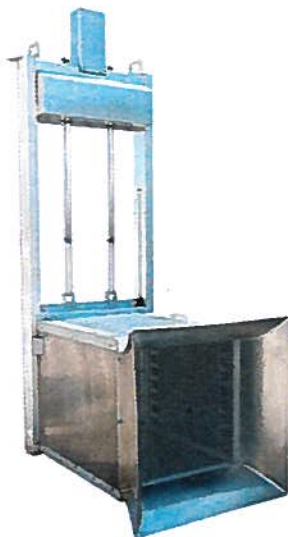
DR1. Rubicon FlumeGate™ – Rubicon FlumeGate™ is proprietary, mechanical head gate equipment used to measure and control the amount of water that passes from the river into the irrigation ditch. This equipment is capable of reading and recording flow rate and adjusting the amount of water passage as upstream hydraulic parameters change. Such a gate would allow ditch owners to divert an accurate a defined amount of water and easily make adjustment to modify the inflow rate as needed (Figure 5).

Figure 5. Rubicon FlumeGate (TM) (www.rubicon.com)



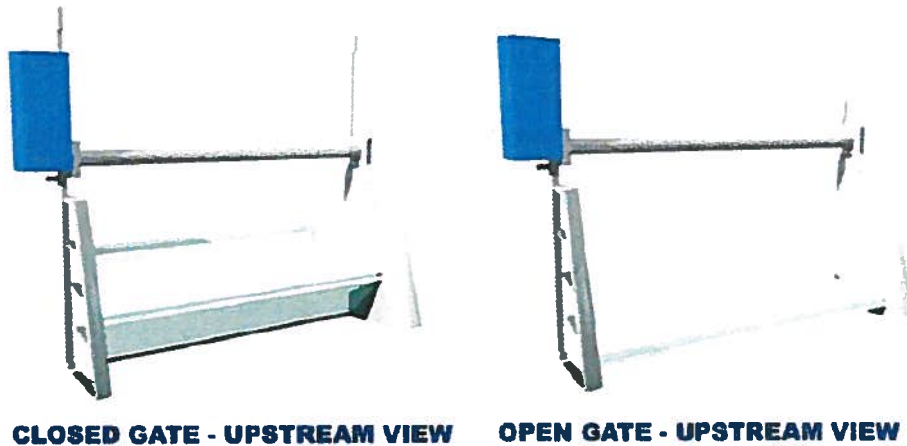
DR2. Automated Sluice Gate (Rubicon SlipMeter™ or Watch Technologies “Smart Sluice”) – The Grace and Shehi Ditch’s existing head gate is an industry standard manual sluice-type weir gate with a horizontal barrier that opens from the bottom up with a hand-wheel operated, vertical slide feature to adjust flow rate. Several technologies exist that build on this design by incorporating SCADA programming functionality into the gate’s flow control ability, including Watch Technologies “Smart Sluice,” and Rubicon SlipMeter™. The slide gate is fit with an electronic actuator (which can be solar-powered if needed), that automatically adjusts the position of the gate to adjust flow. While Rubicon SlipMeters™ incorporate flow measurement into their equipment, a Watch Technologies’ Smart Sluice would require retrofit with an ultrasonic recorder to deliver flow data to the Smart Sluice for automated adjustment (Figure 6).

Figure 6. Automated Sluice Gate Alternatives: Rubicon SlipMeter(TM)
(<http://rubicon.com.au>) and Watch Technologies “Smart Sluice”
(www.watchtechnologies.com)



DR3. **Aqua Systems 2000 Langemann® Gates** – Langemann® Gates are automatically controlled and use a central-hinged gate design to adjust flow across the structure. As with the “Smart Sluice” this gate technology does not incorporate flow measurement. Therefore, the alternative would require retrofit of an ultrasonic flow meter into the existing flow measurement vault (Figure 7).

Figure 7. Aqua Systems 2000 Langemann(R) Gates
(www.as2i.net)



Phase II

Phase II will include the detailed engineering design based on the objectively-selected design alternatives selected as part of Phase I. Phase II will deliver completed construction documents, including plan drawings as well as project specification book and contractor bid documents, if needed. Agency coordination will also occur as part of this Phase. Anticipated permit requirements include Pitkin County Floodplain Permit and Army Corps of Engineer Nationwide 33 Permit and CDPHE 401 Certification. In addition, if the ditch's flow-measurement device changes, coordination with the State Engineer's local Division of Water Resources office will also be necessary in the form of design review. Finally, the project will likely require additional coordination with Colorado Parks and Wildlife.

Phase III

Phase III will include construction of the engineered solution. Cost of this phase will cover bid process contractor selection and coordination of contract documents, material purchase, contractor labor and equipment cost for material installation and engineer observation services. Phase III is not included in this grant request as it depends on decisions made throughout Phases I and II.

PROPOSED SCOPE FOR PHASES I AND II

Task 01 – Project Management/Meetings/Site Visits

The objective of Task 01 is to provide for the necessary communications and coordination to support efficient, effective, and timely project execution. A preliminary meeting will be held with ditch-owners and ditch-owner representatives to discuss the proposed project goals and determine which (if any) are of higher priority than others, as well as to discuss project goals, funding obligations, schedule verification, and other preliminary elements that will set the stage for the work to precede. A preliminary site visit will be held to establish operating conditions. In addition, an internal project kickoff meeting will be held to incorporate input from a variety of technical expertise. Other project management tasks will include monthly project budget and schedule checks and review invoices, communicate with ditch owner representatives, as needed, on project progress, etc., and internal coordination and communication.

Task 02 – Conduct Phase I Alternatives Evaluation

The objective of Task 02 is to evaluate the proposed alternatives for Grade Control Structures and for Delivery Reliability Improvements and determine best-fit solution for this location. For each of the two elements (Grade Control Structure and Delivery Reliability Improvements), the four proposed options will be evaluated for planning-level cost, and technical applicability. Each alternative will then be ranked based on their ability to achieve the approved overall project goals:

- Reliable delivery of Grace and Shehi Ditch's allocated water
- Maximize the operational convenience and flexibility
- Be cost-effective
- Be technically appropriate
- Maintain or enhance the existing natural viewshed of the river at the point of diversion

- Minimize debris buildup within the Roaring Fork River channel in the vicinity of the diversion
- Provide recreation boat passage in the vicinity of the diversion
- Minimize sediment erosion within the main channel as well as near the diversion
- Facilitate fish passage in the vicinity of the structure

This evaluation will provide the basis for alternative selection. Evaluation results will be summarized in a technical memorandum. A DRAFT memorandum will be distributed to the ditch-owners and ditch-owner representatives and a meeting will be held to discuss feedback and comments to the alternatives selected and to the selection process. At that time, a final memorandum will be completed.

Task 03 – Conduct Phase II Detailed Design

The objective of Task 03 is to implement conceptual design decisions made in Task 02 through detailed technical design. This task will begin by collecting topographic survey of the existing conditions and creation of an AutoCAD base map.

This phase will also include agency coordination and obtaining necessary permits. Anticipated permit requirements/considerations for the proposed project include:

- Floodplain permit through Pitkin County, including HEC-RAS modeling.
- ACE Nationwide 33 permit.
- CDPHE 401 certification.

In addition, agency coordination is expected to be needed with throughout duration of design and construction of this project. The following agencies have been identified:

- State Engineer's local Division of Water Resources office. The local office is located in Glenwood Springs. Office representatives indicate that they will accept flows from measurement technology alternatives identified in this scope of work; however, a meeting with the local water commissioner is recommended to verify that the design incorporates accessibility requirements.
- Colorado Parks and Wildlife. Design considerations associated with potential use of grout as well as scheduling considerations associated with fish spawning seasons will be incorporated into this project as part of the local permitting process.

Finally, this phase also includes development of the selected option and completion of a full plan-set ready for bid. A detailed book of specifications and bid documents will be provided in a complete project manual. An engineer's estimate of probable construction costs will be delivered along with bid-ready construction documents.

Exhibit A-2. Detailed Budget

Exhibit A-2. Detailed Budget											
		Staff Classification				Totals					
Task	Task Description	L. Meyer, Client Mgr., QA/QC Principal Eng	D. Kotz, PM/Sen. Eng I	A. Fowler, Design Eng II	R. Mitteldeier, CADD Mgr.	Survey	Engr Sub (Electrical/ Telemetry)	Permit Fee	J. Preisner, Admin.	Labor Hours	Costs
		\$155	\$130	\$110	\$115			\$65			
1	Project Management/Meetings/Site Visit									8	\$1,010
	Kickoff meeting with ditch owners	2	2	4						12	\$1,580
	Preliminary site visit	4	4	4							
	Set up project, establish internal project plan, review plan, and hold design kickoff meeting	2	2	4	1	1				10	\$1,126
	Perform monthly budget/schedule/invoice reviews (4-month project duration)	2		4						6	\$750
	Provide project status email updates to ditch owners (4-month project duration)	2	2	4						8	\$1,010
	Internal project coordination	2	2	2	2	2			2	12	\$1,152
	Client project communication and coordination	8	8	8						16	\$2,120
	Task 1 Subtotal Hours	22	12	30	3	3	0		2	72	
	Task 1 Subtotal Costs	\$3,410	\$1,560	\$3,300	\$345	\$0	\$0		\$130		\$8,748
2	Conduct Phase I Alternatives Evaluation										
2a.	Conduct Phase I Alternatives Evaluation										
	Vendor Correspondence (4 alternatives) - correspondence with vendors to evaluate equipment appropriateness, cost, installation capability, etc.			12						12	\$1,320
	Owner interviews (4 alternatives) - interview existing owners of equipment alternatives to understand pros/cons			4						4	\$440
	Develop technical design conditions (determine structure sizing)		4	24						28	\$3,160
	Develop planning-level construction cost estimate (4 alternatives)			8						8	\$880
	Apply prioritized project goals to each alternative and identify best-fit alternative	1	1	4						6	\$725
2b.	Grade Control Structure Alternatives Assessment					\$4,000				NA	\$4,000
	Survey										
	Owner interviews (4 alternatives) - interview existing owners of equipment alternatives to understand pros/cons			4						4	\$440
	Develop technical design conditions (estimate design flow rate/velocity, estimate 10-year flows, structure sizing (slope, dimensions, bed material, etc.))		24	24						24	\$2,640
	Preliminary HEC-RAS Modelling			40						40	\$4,400
	Develop planning-level construction cost estimate (4 alternatives)			8						8	\$880
	Apply prioritized project goals to each alternative and identify best-fit alternative	1	1	4						6	\$725
2c.	Develop Design Recommendation Memorandum										
	Develop DRAFT memorandum & distribute to ditch owners	2	2	8					1	13	\$1,515
	Meet with ditch owners to discuss recommendations	2	2	3					1	7	\$900
	Finalize & distribute memorandum	6	10	145	0	4000	0		2	3	\$285
	Task 2 Subtotal Hours	\$930	\$1,300	\$15,950	\$0	\$0	\$0		\$130	4163	
	Task 2 Subtotal Costs										\$22,310
3	Conduct Phase II Detailed Design										
3a.	Permitting and Agency Coordination										
	Pitkin County Floodplain Permit & Final alternative HEC-RAS Model		2	24				\$	849	875	\$3,749
	CDPHE 401 Certification			3						3	\$330
	Army Corps of Engineer's Nationwide 33 Permit		5	50						55	\$6,150
	Division of Water Resources Coordination			2						2	\$220
	United States Fish and Wildlife Service Coordination			2						2	\$220
	Colorado Division of Wildlife Coordination			6						6	\$660
3b.	Sub-consultants										
	Electrical Engineer									NA	\$3,000
	Telemetry/Programming									NA	\$2,000
3c.	Develop Bid-Ready Design Documents										
	Construction Drawings	2	4	8	35				6	55	\$6,125
	Project Manual/Design Specifications Book		4	12					4	20	\$2,100
	Engineer's Opinion of Probable Construction Cost	1	1	8						10	\$1,165
	Task 3 Subtotal Hours	3	16	115	35				10	179	
	Task 3 Subtotal Costs	\$465	\$2,080	\$12,650	\$4,025	\$0	\$5,000	\$	\$49	\$650	\$25,719
	Total Cost Phase I & Phase II										\$56,777
	Total BRT Grant Request										\$54,000
	Total Applicant Contribution										\$2,777

Exhibit A-3. Project Schedule

Task	Task Description	Grant Approval/Fund Distribution 01-2013											
		Mar-13			Apr-13			May-13			Jun-13		
1	Project Management	wk.1	wk.2	wk.3	wk.4	wk.1	wk.2	wk.3	wk.4	wk.1	wk.2	wk.3	wk.4
	Kickoff meeting with ditch owners												
	Preliminary site visit												
	Set up project, establish internal project plan, review plan, and hold design kickoff meeting												
	Perform monthly budget/schedule/invoice reviews (4-month project duration)												
	Provide project status email updates to ditch owners (4-month project duration)												
	Internal project coordination												
	Client project communication and coordination												
2	Conduct Phase I Alternatives Evaluation												
2a.	Delivery Reliability Improvement (Headgate and Flow Measurement Flume) Alternatives Assessment												
	Vendor Correspondence (4 alternatives)												
	Owner Interviews (4 alternatives)												
	Develop technical design conditions (determine structure sizing)												
	Develop planning-level construction cost estimate (4 alternatives)												
	Apply prioritized project goals to each alternative and identify best-fit alternative												
2b.	Grade Control Structure Alternatives Assessment												
	Survey												
	Owner Interviews (4 alternatives)												
	Develop technical design conditions												
	Preliminary HEC-RAS Modeling												
	Develop planning-level construction cost estimate (4 alternatives)												
2c.	Apply prioritized project goals to each alternative and identify best-fit alternative												
	Develop Design Recommendation Memorandum												
	Develop DRAFT memorandum & distribute to ditch owners												
	Meet with ditch owners to discuss recommendations												
	Finalize & distribute memorandum												
3	Conduct Phase II Detailed Design												
3a.	Permitting and Agency Coordination												
	Pitkin County Floodplain Permit & HEC-RAS Model												
	CDPHE 401 Certification												
	Army Corps of Engineer's Nationwide 33 Permit												
	Division of Water Resources Coordination												
	United States Fish and Wildlife Service Coordination												
	Colorado Division of Wildlife Coordination												
3b.	Sub-consultants												
	Electrical Engineer												
	Telemetry/Programming												
3c.	Develop Bid-Ready Design Documents												
	Construction Drawings												
	Project Manual/Design Specifications Book												
	Engineer's Opinion of Probable Construction Cost												

Exhibit B. Project Map

Exhibit B. Project Map

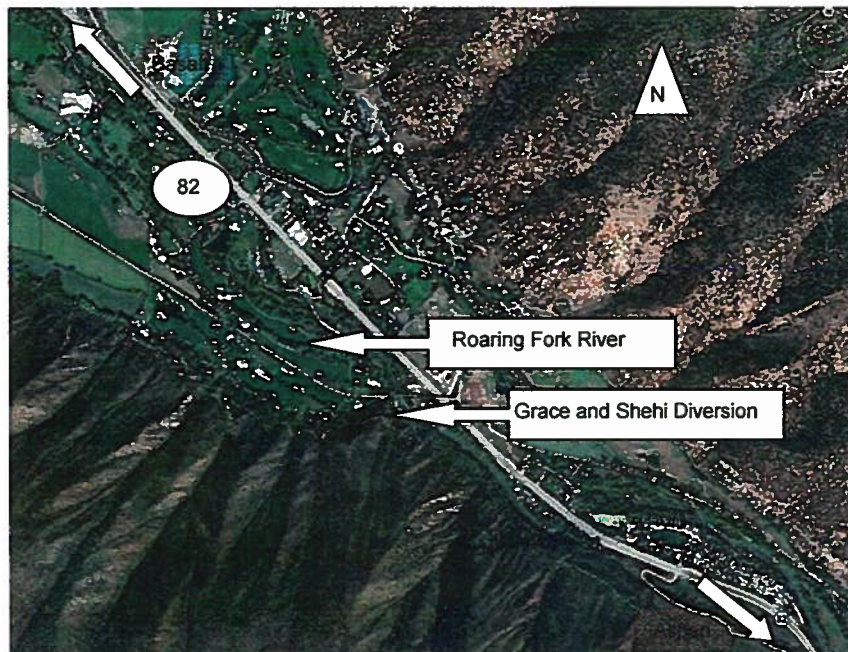


Exhibit C. Letter of Support Pitkin County Healthy Rivers and Streams



Healthy Rivers and Streams Citizens Advisory Board

October 19, 2012

Jim Pokrandt
Colorado Basin Roundtable
Colorado River Water Conservation District
201 Centennial Street, Suite #200
P.O. Box 1120
Glenwood Springs, CO 81602

Email jpokrandt@crwcd.org

Dear Mr. Pokrandt,

The Pitkin County Healthy Rivers and Streams Program is excited about the proposal to improve the Grace and Shehi irrigation ditch on the Roaring Fork River at the Roaring Fork Club upstream of Basalt. This reach of the river is often depleted below the Grace and Shehi ditch due to functional quality of the ditch. We support the proposal to place a Rosgen Structure in the river and a Rubicon ditch device to manage the flow in the ditch. We believe this will help to both deliver irrigation water to the irrigators dependent on the ditch. In addition, the Rosgen structure will likely limit further stream channel erosion from occurring in this stretch of the river, and prevent the ditch owners from having to regularly go into the river to dredge out the rock weir that now diverts water into the Grace and Shehi ditch.

In summary, we believe this proposal will improve the delivery of agricultural irrigation water to the ditch owners. Please consider this when deciding upon whether to fund the feasibility study.

Thank you for your attention to this matter.

Pitkin County Healthy Rivers and Streams Citizens Advisory Board

Greg Poschman, Chair

Lisa Tasker

Steve Hunter

Andre Wille

Bill Jochems

To: Colorado River Basin Roundtable Members
From: Colorado River Basin Roundtable Grant Committee
Subject: Grace and Shehi Diversion Rehabilitation Project (Phase I & II)

The following is a summary of information specific to the Grace and Shehi Diversion Rehabilitation Project (Phase I & II) Grant Application and our recommendation to consider this project for financial support via the Colorado Basin Roundtable (CBRT) funds.

Project: Grace and Shehi Diversion Rehabilitation Project (Phase I & II).

Funding Request:

Amount Requested from Colorado Basin Account: ~~\$54,000~~ **CBRT approved \$40,500**

Amount Requested from Statewide Account: \$0

Amount of Matching Funds: ~~\$2,777~~ **\$16,277 with vote result**

Identified Type of Project: This project is a non-consumptive (environmental or recreational) and agricultural project.

Purpose: Conduct a feasibility assessment of the various options to improve the delivery and control/measurement of water from the Roaring Fork River to the Grace and Shehi Ditch.

Identified Anticipated Measurable Results: Improve 20 linear feet of the Roaring Fork River; Improve 5 linear feet of pipe/canal; improve recreational boat passage; eliminate debris build up with improved diversion; improve fish passage with improved diversion; improve measurement of volume of water delivered to the ditch.

Other Items Noted: Pitkin County Healthy Rivers and Streams Citizens Advisory Board letter of support.

Overall, we, the CBRT Grant Review Committee, recommend that this project receive funding from the Colorado Basin Roundtable Account as it aligns with the methods and tools (i.e, projects) identified in the Colorado Basin Roundtable vision statement¹, specifically a non-consumptive and agricultural project as stated in the application.

¹ Role of Agriculture; Agricultural conservation; Municipal conservation; Front Range system integration; and Land use planning.

The CBRT Vision Statement priorities have been compiled (Table 1) and the CBRT priorities (as listed on the CWCB website) are listed in Table 2. This grant application was assessed against both criterion and given a "yes" or "no" as to whether or not they will be met with this project. This evaluation supports the recommendation to consider this grant for CBRT funding, as stated above.

Table 1. Vision Statement Criteria.

Group/Sub-Group	Initiative/Vision/Sub-Vision	Met in Grant?
1	Water supply	
1a	Address "gap" between available supply and demand	No
1b	Meet future water needs	Yes
1c	Secure water supply to support economic growth	No
1d	Keeps water in the streams	Yes
2	Multiple benefits	Yes
3	Water Rights	
3a	Protect Pre-1922 Water Rights	Yes
3b	Compact Compliance	No
4	Education	No
5	Infrastructure Improvement(s)	Yes
6	Restoration	Yes
7	Municipal and Industrial Efficiency	
7a	Supports municipal uses	No
7b	Supports municipal efficiency	No
7c	Supports industrial uses	No
7d	Supports industrial efficiency	No
8	Non-Consumptive	
8a	Recreation	Yes
8b	Environmental	Yes
8c	Maintains open space	No
8d	Supports wildlife	Yes
9	Agriculture	
9a	Agricultural efficiency	Yes
9b	Sustain agriculture	Yes
9c	Maintain viable commercial, irrigated agriculture	Yes
10	Local Project	Yes
11	Regional Project	No
12	Water Quality	Yes

13	Economy	
13a	Supports financial foundations of a multi-faceted Western Slope economy	No
13b	Cost:Benefit	Yes
13c	Secures a food supply	No
	Total Yes (not weighted)	15 out of 27

Table 2. Priorities as Identified on the Colorado River Roundtable CWCB Website.

Group/Sub-Group	Initiative/Vision/Sub-Vision	Met in Grant?
1	Water Supply	
1b	Look at impacts of transbasin firming projects	No
1c	Meet future water needs for M&I	No
1d	Meet future water needs for Agricultural	Yes
1e	Meet future water needs for Environmental	Yes
1f	Meet future water needs for Recreational	Yes
2	Address shortages in the headwaters area	No
3	Compact Compliance	
3a	Look at Compact delivery impacts to existing in-basin water rights	No
3b	Look at Compact delivery impacts to future in-basin water rights	No
4	Ensure endangered species' needs do not negatively impact future in-basin needs	No
5	Non-Consumptive Needs	
5a	Identify non-consumptive needs for environmental flow	Yes
5b	Identify non-consumptive needs for recreational flow	Yes
	Total Yes (not weighted)	5 out of 11

Rio Grande Inter-Basin Roundtable
c/o San Luis Valley Water Conservancy District
623 Fourth Street
Alamosa, CO 81101
Telephone: (719) 589 – 2230
Email: slvwcdco1@qwestoffice.net

January 7, 2013

Mr. Michael King, Executive Director
Colorado Department of Natural Resources

Mr. Todd Doherty, Intrastate Water Management & Development
Colorado Water Conservation Board

Reference: Rio Grande Watershed Conservation & Education Initiative – *Value of Water: Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future - Correction*

Gentlemen:

The Rio Grande Inter-Basin Roundtable (R.G.R.T) has determined that the single, most critical water issue confronting the Rio Grande Basin (Basin) is the current unsustainable management of surface and ground water. The R.G.R.T. has made the decision that water activities that address this issue be favorably considered for funding from the Water Supply Reserve Account, SB 2005 -179 (WSRA Funds), providing the proposed water activities meet the SWSI findings for the Basin and the CWCB & IBCC Criteria and Guidelines for funding.

The Rio Grande Watershed Conservation & Education Initiative (RGWCEI) is the Applicant for \$23,500.00 of Rio Grande Basin Funds to implement *Value of Water: Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future*, an informational and educational program directed at the communities of the Rio Grande Basin.

The overall cost of the *Value of Water in the Rio Grande Basin* is estimated to be \$75,350.00 with the difference between this figure and the WSRA request being made up of cash and In-Kind contributions totaling \$51,850.00, which accounts for involvement and supervision by the RGWCEI's Conservation Education Specialist, and In-Kind contributions by volunteers and other organizations associated with the project.

At the regular December 9, 2012 meeting of the R.G.R.T. there was unanimous support that this WSRA funding request of \$23,500.00 go forward to the CWCB.

The criticality of informing the public of the issues confronting the state regarding the projected water demands and limited supplies has become more relevant as the process of considering these issues by the CWCB, IBBC and Roundtables has continued. This is manifested in Governor Hickenlopper declaring 2012 the "Year of Water" and the subsequent "2012 Water" initiative, and the CWCB launching the "*Value of Water*" campaign in 2013. The R.G.R.T. has been recognized as being a leader in 2012 with the

development and implementation of its "Water 2012" initiative. The Roundtable looks forward to complimenting the CWCB's *"Value of Water"* campaign with the continuation of the success of the "Water 2012" program and additional elements to inform the communities of the Basin on the critical water issues not only confronting the Basin but the State.

This request for funding is to hire a Coordinator to manage the *"Value of Water"* activities within the Rio Grande Basin. This position will design, implement, and administer outreach and education activities and serve as a liaison to the IBCC and PEPO work groups, and the Coordinators in other Basins. *"Value of Water in the Rio Grande Basin"* will showcase the collaborative work of water users of all types across the Rio Grande Basin. The Statewide *"Value of Water"* initiative is set to recognize the value of Colorado's water and communicate this value by making it readily identifiable to all community members. The Rio Grande Basin is a critical piece in this information web. Because the stakeholders in the Rio Grande live in a rural, headwaters community that is facing several critical water issues they, like other rural basins, play an integral role in getting the water message out. The purpose is to further the involvement and learning for all Colorado's citizens.

Activities will be branded for public appeal using a *"Narrow the Gap"* logo and include the following efforts:

- 24 weekly water stories showcasing the Rio Grande Basin's water past, present and future will be published in local papers.
- A one-time pull-out in the 6 county newspapers, which will be all about water with shared perspectives from other basins.
- 12 radio interviews that will build on the Water 2012 shows and continue to provide listeners with a wide variety of water experts and topics.
- A "Rio Grande Water Leaders" course that will give the 20 participants an opportunity to engage in concentrated water education offered by state and basin experts.
- Tours that will include Rio Grande Basin Roundtable and Statewide Water Supply Reserve Account funded projects, along with educational tours dedicated to Water 101 topics: such as Irrigation & Agriculture, Recreation, Wetlands, Wells, etc.
- A children's "Waterfest at Cole Park", Alamosa, Colorado, with hands-on activities that highlight water.
- Events where a traveling display will be displayed throughout the basin to show highlights of the Rio Grande Basin Roundtable activities and other Basin activities from across the state. This will provide a mobile story board in libraries and town halls on display throughout the year.

The result of Value of Water in the Rio Grande Basin will be a collaborative sharing of opinions, solutions and views all in an attempt to inform, educate, enlighten, and encourage participation in our water future.

Focus on Water: The Rio Grande Basin Coordinator will be the link between the statewide *Value of Water* campaign and the Rio Grande Basin. The Coordinator's activities will focus on issues that are parallel to the Rio Grande Interbasin Roundtable's Basin-wide vision of keeping a sustainable balance between limited water supplies and tomorrow's growing water demands. As stated in the vision statement of the Rio Grande Interbasin Basin Roundtable

Response to IBCC, December 9, 2008, "to have sustainable water resource while recognizing Colorado Water Law."

Raising Public Understanding: Future water conservation requires educating today's youth, raising the level of public awareness, increasing understanding of issues relating to the management of the Basin's natural water supply, and openly discussing and analyzing the issues faced by our communities as they struggle to satisfy changing demands within the Rio Grande Basin and Statewide. Public outreach and education is critical as we prepare tomorrow's leaders to support economic, environmental, and community values, which the people of the San Luis Valley attach to conserving land, water, forests and rangelands, and wetlands.

Need for Funding: With the exception of its Conservation Education Specialist (Judy Lopez), all positions in RGWCEI are non-paid, volunteer positions. At the time of its incorporation, RGWCEI took over all funds of the Association that had been designated for conservation education activities, which consisted of more than 25% of that organization's total assets, or \$19,586.00. The community-based conservation organizations represented by the five San Luis Valley Conservation Districts have contributed \$2,000.00 per year for approximately the past twenty-one years, with these funds earmarked for conservation education purposes. The rest of the Education Specialist funding comes from water entities throughout the San Luis Valley, agriculture organizations, and Counties, who value resource awareness. This commitment will continue into the foreseeable future. However, RGWCEI's budget is not sufficient to retain a part-time *Value of Water in the Rio Grande Basin* Coordinator.

The R.G.R.T urges the CWCB to approve this request for funding of \$23,500.00 from the WRSA Rio Grande Basin Account.

The R.G.R.T. appreciates the support of the Department of Natural Resources, the Colorado Water Conservation Board and the Interbasin Compact Commission in assisting in meeting the needs of all users of Colorado's water and in fostering intrabasin and interbasin communications and discussions. We believe that the above project will assist in this effort.

Sincerely,



Mike Gibson
Chair, Rio Grande Interbasin Roundtable

Attachment (1)

cc: Rio Grande Watershed Conservation & Education Initiative



COLORADO WATER CONSERVATION BOARD
WATER SUPPLY RESERVE ACCOUNT
APPLICATION FORM



The Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future

Name of Water Activity/Project

Rio Grande Watershed Conservation & Education Initiative

Name of Applicant

Rio Grande Basin

Amount from Statewide Account:

\$23,500.00

Amount from Basin Account(s):

Total WSRA Funds Requested:

\$23,500.00

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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

Required Exhibits

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

Appendices – Reference Material

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

Water Supply Reserve Account – Application Form

Revised December 2011

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (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

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

Water Supply Reserve Account – Application Form

Revised December 2011

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

1.	Applicant Name(s):	Rio Grande Watershed Conservation & Education Initiative		
	Mailing address:	550 Worth Street PO Box 424 Center Colorado 81125		
	Taxpayer ID#:	27-1157593		
	Primary Contact:	Judy Lopez	Position/Title:	Program Manager
	Email:	Judy.lopez@co.nacdnet.net		
	Phone Numbers:	Cell: 719-580-5300	Office:	719-754-3400
	Alternate Contact:	Brendon Rockey	Position/Title:	Director
	Email:	brendonrockey@gmail.com		
	Phone Numbers:	Cell: 719-588-4383	Office:	719-754-3400

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

Structure & Organization: The Rio Grande Watershed Conservation & Education Initiative (RGWCEI) is a Colorado tax exempt corporation organized exclusively for conservation and education purposes within the meaning of Section 501(c)(3) of the United States Internal Revenue Code for nonprofit organizations. Nonprofit status was granted effective October 21, 2009.

All of the Board members of RGWCEI except for Heather Dutton are appointed or elected by the five San Luis Valley Conservation Districts, as follows: Center, Costilla, Conejos, Mosca-Hooper, and Rio Grande Conservation Districts – each of which are organizations constituting the Rio Grande Watershed Association of Conservation Districts (RGWACD or the Association).

The Rio Grande Watershed encompasses 7,828,451 acres, approximately 27% of which are farm and crop lands, 13% rangeland, 28% privately held acreages and 32% public lands. RGWCEI is the successor organization, which has taken over the conservation education activities of the RGWACD, a grass roots community organization, which is not incorporated, but consists of various members of natural resources, conservation, and basin-wide watershed groups. RGWCEI now has full responsibility to administer, fund, and expand conservation education activities throughout the Rio Grande Basin. Over the past 21 years, the Rio Grande Watershed Association of Conservation Districts and its member agencies have worked to forward conservation learning in the region and sound natural resource planning, management, and development. RGWCEI plans and implements effective conservation education programs to a broad spectrum of area youth; who are the Valley's future decision-makers and potential conservation planners. These efforts will help ensure the best management of the region's natural resources in coming decades.

RGWCEI has expanded its educational and outreach program to include approximately 10,000 students in grades K-12 each year, providing both in classroom and field excursions. The outreach program also provides farm, wetland and range tours for youth and community members (approx. 4,200 attendee's per year), Riparian and River Study Center Excursions (approx. 3300 attendee's each year), Beaver Creek Youth Natural Resources Camp (70 attendee's per year at the camp maximum), and "Kids Waterfest on the Rio" (500 kids each Year). Additionally, the initiative offers FFA field workshops throughout the school year that focus on all aspects of their agriculture competition and real world application. Finally, RGWCEI supports Project Learning Projects, where between 20 and 80 students each year participate in long term studies of a natural resource concern and present study results at the Regional, State and International Science Fairs, Stockholm Junior Water Prize Competition, and the International Sustainable Energy, Engineering and Progress Competition. In addition to these programs, RGWCEI also leads one of the premiere teacher workshops in the State of Colorado. This three week, three year program is open to teachers of grades K-12 and other environmental educators looking to increase their skills in the areas of resource management. Known as the "Watershed Series" the workshops identify the importance of watersheds to our environment. The week long workshops teach 60 teachers annually, and have a waiting list for attendance. The newest program added to RGWCEI's platform of educational offerings is the "Small Acreage Land Owner Expo". The Expo serves as a one-stop shop for small acreage owners to get the answers to questions regarding water rights all the way down to grazing, planting and zoning issues.

In addition to doing its own educational events, the Rio Grande Watershed Conservation and Education Initiative has collaborated with some like-minded partners and serves as their fiscal agent, those partners are: The Colorado Field Institute (CFI), whose mission is to provide lectures and field excursions to community members and The Environmental and Conservation Education Council, whose mission is to provide monies to teachers and schools to

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get students outdoors and on field trips.

Purpose: RGWCEI works to expand knowledge, improve educational resources, and increase public understanding of resource conservation values and practices in the Rio Grande Basin. RGWCEI seeks to build capacity for these activities by hiring a conservation education coordinator and by raising additional funds as a nonprofit organization.

Request for funds: Funds are requested to pay a Coordinator to manage all of RGWCEI's "Narrow the Gap" activities within the Rio Grande Basin.

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

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.

(None)

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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.

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:

Longitude:

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

Conservation Education Activities: This request for funding seeks \$23,500.00 to hire a Coordinator to manage the “Narrow the Gap” activities within the Rio Grande Basin. This position will design, implement, and administer outreach and education activities and serve as a liaison to the IBCC and PEPO work groups, and the Coordinators in other Basins. “Narrow the Gap in the Rio Grande Basin” will showcase the collaborative work of water users of all types across the Rio Grande Basin. The Statewide initiative is set to recognize the value of Colorado’s water and communicate this value by making it readily identifiable to all community members. The Rio Grande Basin is a critical piece in this information web. Because the stakeholders in the Rio Grande live in a rural, headwaters community that is facing several critical water issues they, like other rural basins, play an integral role in getting the water message out. The purpose is to further the involvement and learning for all Colorado’s citizen as we move towards 2050.

Activities will be branded for public appeal using a “Narrow the Gap” logo and include the following efforts:

- 24 weekly water stories showcasing the Rio Grande Basin’s water past, present and future will be published in local papers;
- A one-time pull-out in the 6 county newspapers, which will be all about water with shared perspectives from other basins;
- 12 radio interviews that will build on the Water 2012 shows and continue to provide listeners a wide variety of water experts and topics.
- A “Rio Grande Water Leaders” course that will give the 20 participants an opportunity to engage in concentrated water education offered by state and basin experts.
- Tours that will include Rio Grande Basin Roundtable and Statewide Water Supply Reserve Account funded projects, along with educational tours dedicated to Water 101 topics: such as Irrigation & Agriculture, Recreation, Wetlands, Wells, etc..
- A children’s “Waterfest at Cole Park” with hands-on activities that highlight water.
- Events where a traveling display will be displayed throughout the basin to show highlights of the Rio Grande Basin Roundtable activities and basin activities from across the state. This will provide a mobile story board in libraries and town halls on display throughout the year.

The result of Value of Water in the Rio Grande Basin will be a collaborative sharing of opinions, solutions and views all in an attempt to educate, enlighten, and encourage participation in our water future.

Focus on Water: The Narrow the Gap in the Rio Grande Basin Coordinator will be the link between the statewide Value of Water campaign and the Rio Grande Basin. The Coordinator’s activities will focus on issues that are parallel to the Rio Grande Interbasin Roundtable’s Basin-wide vision of keeping a sustainable balance between limited water supplies and tomorrow’s growing water demands. As stated in the vision statement of the

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Rio Grande Interbasin Basin Roundtable Response to IBCC, December 9, 2008, “to have sustainable water resource while recognizing Colorado Water Law.”

Raising Public Understanding: Future water conservation requires educating today’s youth, raising the level of public awareness, increasing understanding of issues relating to the management of the Basin’s natural water supply, and openly discussing and analyzing the issues faced by our communities as they struggle to satisfy changing demands within the Rio Grande Basin. Public education is critical as we prepare tomorrow’s leaders to support economic, environmental, and community values, which the people of the San Luis Valley attach to conserving land, water, forests and rangelands, and wetlands.

Need for Funding: With the exception of its Conservation Education Specialists, all positions in RGWCEI are non-paid, volunteer positions. At the time of its incorporation, RGWCEI took over all funds of the Association that had been designated for conservation education activities, which consisted of more than 25% of that organization’s total assets, or \$19,586.00. The community-based conservation organizations represented by the five San Luis Valley Conservation Districts have contributed \$2,000.00 per year for approximately the past twenty-one years, with these funds earmarked for conservation education purposes. The rest of the positions’ funding comes from water entities throughout the valley, agriculture organizations, and county commissions, who value resource awareness. This commitment will continue into the foreseeable future. However, RGWCEI’s budget is not sufficient to retain a part-time Narrow the Gap in the Rio Grande Basin Coordinator.

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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.)

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

This water activity is educational in nature. It in no way affects the current system of allocating water within Colorado nor does it diminish, impair or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations, etc. nor does it impair or limit or otherwise affect any persons or entities relating to the appropriation, movement, or use of water.

- 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.

This information is included in the letter from the Rio Grande Roundtable Chair, Mike Gibson, accompanying this proposal.

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

This request for funding is specifically for water education and public outreach. It furthers the Rio Grande Roundtable's basin-wide water needs by building on the momentum created by the "Water 2012" Initiative and continues constructing the public base. The new "Narrow the Gap" campaign responds to the continuing support of Rio Grande Basin Roundtable members to strive for knowledge, educate future generations, and build a solid base of public understanding of the complex issues involved in meeting the States future water needs.

As indicated in the WSRA Funding Legislative Criteria, HB 05-1177 (37-75-104), each basin roundtable has powers and responsibilities that include the following:

"(c) 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." The value and potential effectiveness of this public feedback function depends on how well people understand and can articulate and deal with the issues. By funding the educational work of RGWCEI, the Rio Grande Roundtable will strongly support the statewide water education mission which is to narrow Colorado's water gap, while also outlining the challenges and the sense of urgency the state faces as we move ahead to 2050. The purpose of this proposal is to participate in efforts to further involvement and learning for all Colorado's citizens, and provide focused efforts which target constituents in the Rio Grande Basin. Activities will be branded for public appeal using the "Narrow the Gap Campaign". This meets the legislative imperative that the Rio Grande Basin Roundtable "(d) serve as a forum for education and debate regarding methods for meeting water supply needs." It also opens the Roundtable to greater and better-informed public participation so that it can, "(e) as needed, establish roundtable subcommittees or other mechanisms to facilitate dialogue and resolution of issues and conflicts within the basin."

Summary: More than 75% of RGWCEI's activities are directly related to water, with educational activities involving exploring and sharing concepts, ethics, principles, and curricula directly related to meeting the consumptive and non-consumptive water needs of the San Luis Valley and the Rio Grande Basin. The Rio Grande Basin Decision Support System lists as a goal "to promote information sharing among government agencies and water users." The Rio Grande Basin lists among its alternative nonstructural options "expanding outreach and education," with the Rio Grande Water Conservation District and the San Luis Valley Water Conservancy being sponsors. The purpose is "to raise the awareness of the importance of a healthy river." RGWCEI plays an important educational role for all of these partners, so that together we can skillfully help

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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identify and implement new approaches to address our future water needs.

These are some of the ways RGWCEI amplifies the voice of basin, state, and local water providers as they work to meet consumptive and non-consumptive needs. Through conservation education, RGWCEI provides the Roundtable with an extended six-county forum for the discussion of water issues which are vital to the people of the San Luis Valley.

This proposal requests \$23,500 to fund the Conservation Education Coordinator, who will direct the activities of The Narrow the Gap, as described in the Statement of Work, below. The project will be coordinated and directed by Judy Lopez, Conservation Education Specialist, Rio Grande Watershed Conservation Education Specialist, PEPO team member and member of the Statewide “Water 2012” management team.

- 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 CWCB. 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)

(Funds are requested from Basin Account only.)

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

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Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.
Please attach additional pages as necessary.

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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.

No water supply source will be utilized and no water body will be affected by this water and natural resource conservation education activity. This project does not affect any water rights.

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

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.

Statement of Work

WATER ACTIVITY NAME - The Rio Grande Basin “Narrowing the Gap” for Colorado’s Water Future

GRANT RECIPIENT – Rio Grande Watershed Conservation & Education Initiative

FUNDING SOURCE – Water Supply Reserve Account – Rio Grande Basin Funds

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to no more than 200 words; this will be used to inform reviewers and the public about your proposal)

The Rio Grande Basin “Narrowing the Gap” for Colorado’s Water Future project is multi-tiered initiative designed to showcase the collaborative work of water users of all types from across the Rio Grande Basin. The “Narrow the Gap” initiative furthers the Rio Grande Roundtable’s ongoing basin-wide water needs assessment process by building on the momentum created by the “Water 2012” Initiative and in it continues constructing the base of an informed public. The new campaign responds to the continuing obligation of Roundtable members to strive for knowledge, to educate future generations, and to build a solid base of public understanding of the complex issues involved in meeting the basin’s two main goals:

- Bring the Rio Grande Basin water supply and demand into balance
- Keep all possible water within the Rio Grande Basin

The project further aligns with the educational mandates set forth by the Inter Basin Compact Commission (IBCC) and the Consensus Messages they are working towards through the PEPO process. The project will include the newspaper articles that reached 11,000 reader a week; a “Narrow the Gap” type of logo that recognizes folks who have done something to narrow the state water gap; a continuation of the monthly water radio series reaching 60,000 listeners a month; a “Water Leaders” class will also be funded; this will give the 20 participants an opportunity to engage in concentrated water education offered by basin experts, building new water leaders. Tours will also be provided that will include basin funded projects and educational tours dedicated to Water 101 topics: Irrigation& Agriculture, Recreation, Wetlands, Wells etc. This will provide a collaborative sharing of opinions, solutions and views all in an attempt to educate enlighten and encourage participation in our water future and creating a more informed public.

OBJECTIVES

List the objectives of the project

1. Build on Water 2012 Efforts to educate citizens of the Rio Grande Basin through print, radio, and public events.
2. We have a stakeholder driven process in the Rio Grande Basin that aligns itself with the IBCC “Value of Water” Goals.

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3. The Rio Grande Basin's outreach and education program aligns itself with the IBCC's Consensus Messages to communicate a clear water message about Colorado's water future.
4. The Rio Grande Basin's communication portfolio of solutions incorporates water from conservation, reuse, agricultural to municipal transfers, and the development of new supplies to minimize the impact to agriculture, the environment, and recreation.
5. The communication tools within the basin will demonstrate that supporting agriculture, environmental, and recreational projects can be multi-purpose, meeting more than one need.

TASKS

Provide a detailed description of each task using the following format

TASK 1 – The Statewide initiative is set educate Colorado's community about water.

Description of Task: The "Narrow the Gap" message furthers the Rio Grande Roundtable's ongoing basin-wide water needs assessment process by building on the momentum created by the "Water 2012" Initiative and it continues constructing the base of an informed public. The new campaign responds to the continuing obligation of Roundtable members to strive for knowledge, to educate future generations, sustain Colorado's water, while also charting a new course with the consensus messages set forth by the IBCC.

Method/Procedure: Integrate the message and methods from the statewide program into the Rio Grande basin's water activities and ensure all basin constituents are provided with relevant examples that both sustain and stress the importance of Colorado's water and the challenges that Coloradan's face meeting future water supply demands. This will include ensuring the future work of the IBCC as passed down through PEPO, is implemented such as the CONSENSUS MESSAGES (adapted from IBCC in late 2011).

Deliverable: Provide summaries of the PEPO and IBCC events to Basin RT table members and attending public at meetings. Use the traveling display throughout the basin to highlight Rio Grande Basin Roundtable and IBCC activities from across the state, so that we can have a mobile story board in libraries and town halls on display throughout the year

TASK 2 – Develop a "Narrow the Gap" campaign to proactively involve efforts in the Colorado Value of Water Initiative.

Description of Task: The Value of Water in the Rio Grande Basin will start with a proactive initiative recognizing what has been done with in the basin to narrow the water "Gap". This will include the development a committee of partners that will develop of a matrix of measures that recognize water conservation measures for agriculture, recreation, rural home owners, urban home owners, schools, etc. Becoming part of this gets you admission in the Rio Grande basin "Narrow the Gap" Club. This can earn you a possible bumper sticker, yard or gate sign, etc.

Method/Procedure: The objective is to highlight the grassroots nature of the roundtable and involve the community in the outreach. This will include the development a committee of partners that will

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develop of a matrix of measures that recognize water conservation measures for agriculture, recreation, rural home owners, urban home owners, schools, etc. Becoming part of this gets you admission in the Rio Grande basin “Narrow the Gap” Club. This can earn you possible a bumper sticker, yard or gate sign, etc .

Deliverable: Provide a written summary of each of the events report numbers on the www.rgwcei.org/narrowthegap website you could like us on Facebook or join the blog.

TASK 3 -- Tours of Roundtable projects and educational tours dedicated to Water 101 topics: Irrigation& Agriculture, Recreation, Wetlands, Wells, etc..

Description of Task: These tours will take participants on tours of the wide variety of projects that have been funded by the Roundtable process. The basin will schedule tours the WRSA projects that have funded. Educational 101 tours will also take place that will highlight topics such as Irrigation and Agriculture, Recreational Water Use, Wetlands, and Wells.

Method/Procedure: : These tours will be provided though a collaboration of the grantee’s, the project coordinator, agency and private professionals and individuals. The objective is to highlight the grassroots nature of the roundtable and to highlight the expenditure of state funds in this region, as well as the idea that water touches us at every level. Besides the community, the press and legislature will also be invited.

Deliverable: Provide a written summary of the events held, including an online photo library of the events. Also catalog the number of persons attending including evaluations.

TASK 4 – Publish 24 bi-weekly water stories showcasing our water past, present and future.

Description of Task: These are the stories of water that will envelop both the technical and legal aspects of consumptive and non-consumptive use as well as the historical and cultural aspects.

Method/Procedure: : These stories will be written though a collaboration of both consumptive and non-consumptive users and professionals (i.e. Rio de la Vista, Steve Vandiver, Craig Cotton, Jay Winner, Perry Cabot) and the Project Coordinator. The objective is to highlight the many aspects of water and paint an accurate picture of the Rio Grande Basin and the State of Colorado for readers. The Roundtable has begun to define a topics list and has also compiled a list of writers who are willing to write the articles, as well as received a commitment from Ruth Heide, editor of the Valley Courier, to print the articles.

Deliverable: Articles will be submitted for inclusion on the Rio Grande Watershed Conservation and Education Initiative Website and will be linked to any partners’ websites who request them.

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TASK 5 – A one-time pull-out in the 6 county weekly “free” newspaper; the pull-out will be all about water. The paper will be directed to all schools in the San Luis Valley and Mineral County.

Description of Task: The pull-out called “Ripple Effects” has stories and activities that are geared for students K-12. The pull-out contains stories of water that will envelop all aspects of consumptive and non-consumptive use as well as the historical and cultural aspects that make up the water we use. The goal is to develop a dialogue that gives students a chance to see what is happening outside their region. A critical part of this piece will be to do a writer/speaker exchange at water events as part of this task.

Method/Procedure: These stories will be written through a collaboration with users and the project coordinator.

Deliverable: The pull-out will be a one-time published piece that will be submitted for inclusion on the Rio Grande portion of the CWCW website via a web link.

TASK 6 -- The Basin will continue to do radio shows, with a total of 12 radio interviews that will keep listeners up to date on a wide variety of water topics.

Description of Task: These interviews will explain both the technical and legal aspects of consumptive and non-consumptive water and how that has shaped the basin today. Further, they will demonstrate how the Rio Grande Basin is connected to Colorado’s whole water picture and what we are doing to work with our partners on that front.

Method/Procedure: KRZA has agreed to host radio spots on water during their “Valley Views” show. Radio speakers will include water experts from the Rio Grande Basin (e.g., Steve Vandiver, Rio de la Vista, Craig Cotton) and outside the basin (e.g., Jay Winner) through a collaboration with the roundtable and the project coordinator. The objective is to highlight the many aspects of water, including cross-basin issues and paint an accurate picture for listeners.

Deliverable: Using the local radio station KRZA and the show “Valley Views” up to 12 shows will be streamed live and then can be heard via web link.

TASK 7— “Water fest at Cole Park” with hands-on activities that highlight the Value of Water.

Description of Task: The goal for the Value of Water is to piggy back onto the existing “waterfest” that the Rio Grande Watershed Conservation and Education Initiative already holds, but attach the theme “Value of Water” and instead of offering it for just the 4th graders in the basin, also include the 5th graders; about 1500 kids. It will build on the success from a previous WSRG grant and activities by the RGWCEI. Activities will focus on helping this age group understand the consumptive and non-consumptive water issues in the basin and in the state and more broadly get kids interested in being part of the water solution.

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Method/Procedure: The Waterfest includes kids from 6 counties, 14 school districts and activities are provided by a collaboration of resource and non-profit water and education groups 2013 will be the sixth year of the Waterfest program. Since the project is open to more kids (2X more) it takes a much larger man power investment, this event is a great bridge to water future and provides tremendous by in from a lot of non-traditional participants.

Deliverable: Expanding conservation education and creating a more informed public, the Waterfest is a perfect opportunity to bring out a new audience; an online picture scrapbook can be uploaded to the website, along with attendance counts and teacher evaluations.

TASK 8 –. A “Rio Grande Water Leaders” course will also be funded and organized; this will give the 20 participants an opportunity to engage in concentrated water education offered by state and basin experts.

Description of Task: The Water leaders Course will give the 20 participants an opportunity to engage in concentrated water education offered by state and basin experts.

Method/Procedure: Work with the Rio Grande Water Conservation District, Rio Grande Headwaters Restoration Project, and San Luis Valley Water Conservancy District to build a curriculum from local water experts such as, Dave Robbins, Steve Vandiver, Travis Smith, and others. Set an application process and provide continuing education credits through Extended Studies at Adams State University.

Deliverable: An opportunity to link a new generation of water professionals to current leaders the local and state water communities. The Course will include an evaluation tool and DVD.

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.

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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.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application.

	Total Costs				
	WRSA Labor	WRSA Supplies	Matching Funds Other Direct Costs	Matching Funds Labor (If Applicable) (See Table For Breakdown)	Total Project Costs
Tasks:	\$21000.00	\$2500.00	\$24450.00	\$27400.00	\$75350.00
Task 1	\$3000.00			\$3402.25	
Task 2	\$3000.00	\$1500.00	\$5000.00	\$3402.25	
Task 3	\$3000.00		\$3200.00	\$3402.25	
Task 4	\$3000.00		\$7000.00	\$3402.25	
Task 5	\$3000.00		\$2450.00	\$3402.25	
Task 6	\$3000.00		\$1800.00	\$3402.25	
Task 7	\$ 00.00		\$3250.00	\$3402.25	
Task 8	\$3000.00	\$1000.00	\$1750.00	\$3402.25	
Cash Match			\$27400.00		\$27400.00
In-Kind Contributions			\$24450.00	\$27400.00	\$ 51850.00
Total Costs:	\$21000.00	\$2500.00	\$51850.00	\$27218.00	\$75168.00

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	WRSA Funds	WRSA Funds	Cash In-kind Funds (From RGWCEI)	Cash In-kind Funds (From RGWCEI)	In-kind Funds		
Example Project Personnel: Hourly Rate:	Project Coordinator/ Manager \$27.00 (778 hrs)	Supplies	Project Coordinator/ Manager \$27.00 (834 hrs)	Administration \$17.50 (279)	Direct Costs		Total Costs
Task 1 - The Statewide "Value of Water" initiative is set educate Colorado's community about water.	98 \$2425.75		103 \$2781.00	35 \$621.25			5828.00
Task 2 - Develop a "Narrow the Gap" campaign to proactive involve efforts in the Colorado Value of Water Initiative .	110 \$4425.75	\$1500.00	103 \$2781.00	17.75 \$621.25	\$5000.00		14328
Task 3- Tours of all Roundtable projects and educational tours dedicated to Water 101 topics: Irrigation& Agriculture, Recreation, Wetlands, Wells etc	120 \$4251.50		103 \$2781.00	17.75 \$621.25	\$3200.00		10853.75
Task 4- Publishing of 24 bi- weekly water stories showcasing our water past, present and future.	120 \$3925.75		103 \$2781.00	17.75 \$621.25	\$7000.00		14328.00
Task 5- A one-time pull-out in the 6 county weekly "free" newspaper; the pull-out will be all about water. The paper will be directed to all schools in the San Luis Valley and Mineral County schools.	70 \$2425.75		103 \$2781.00	17.75 \$621.25	\$2450.00		8278.00
Task 6 -- The Basin will continue to do radio shows, with a total of 12 radio interviews that will keep listeners up to date on a wide variety of water topics.	70 \$2425.75		103 \$2781.00	17.75 \$621.25	\$1800.00		7628.00
Task 7- "Water fest at Cole Park" with hands-on activities that highlight the Value of Water."	35 \$ 0.00		103 \$2781.00	17.75 \$621.25	\$3250.00		6652.25
Task 8-- A "Water Leaders" class will also be funded; this will give the 20 participants an opportunity to engage in concentrated water education offered by basin experts."	155 \$1119.75	\$1000.00	103 \$2781.00	17.75 \$621.25	\$1750.00		7272.00
Total Hours:	778		241	140			1159
Cost:	\$ 21000.00	\$2500.00	\$ 22248.00	\$ 4970.00	\$24450.00		\$75168.00

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Summary of Direct Costs (In-Kind)

Item:	Interview Prep Expense	Materials	Equipment/ Supplies	Mileage		Total
Units: Unit Cost:						
Task 1						
Task 2	1000.00	3500.00	4000.00	1500.00		10000.00
Task 3		3000.00		1000.00		4000.00
Task 4	1000.00			800.00		1800.00
Task 5		2200.00				2200.00
Task 6	600.00			200.00		800.00
Task 7		3250.00				3250.00
Task 8			2400.00			2400.00
Total Cost:	2600.00	11950.00	6400.00	3500.00		24450.00

Interview Prep Expense:

12 (interviews) X 2(hours prep each) X 25(per hour) = \$600.00 (Various Speakers)

8 (articles) X 5(hours prep each) X 25 (pr hr) = \$1000.00 (Various Authors)

8 (articles) X 5(hours prep each) X 25 (pr hr) = \$1000.00 (Various Authors)

Materials:

\$3500.00 Materials Narrow Gap Campaign Signs, Stickers, etc:

\$3000.00 meals for tours (Conservation Districts, Conservancy Districts, etc.)

\$2200.00 Ads for pull out various businesses

\$3250.00 Materials for Water Fest (RGWCEI);

Equipment/Supplies:

\$4000.00 Equipment and Supplies for Narrow the Gap Campaign; \$2400.00 Waterfest (RGWCEI)

Mileage:

\$1500.00 Narrow the Gap (Various Vendors);\$1000.00 Basin Tours (Various Sources):

\$800.00 for coordinator mileage (RGWCEI); \$200.00 for Radio show s donated by participants.

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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.

Task 2013	First 6 Months						Second 6 Months					
	1/13 – 3/13			4/13 – 6/13			7/13 – 9/13			10/13 - 12/13		
Task 1	X	X	X	X	X	X	X	X	X	X	X	X
Task 2	X	X	X	X	X	X	X	X	X	X	X	X
Task3	X	X	X	X	X	X	X	X	X			
Task 4	X	X	X	X	X	X	X	X	X	X	X	X
Task 5	X	X	X	X	X	X	X	X	X	X		
Task 6	X	X	X	X	X	X	X	X	X	X	X	X
Task 7	X	X	X	X	X	X	X	X	X			
Task 8	X	X	X	X	X	X	X	X	X	X		
Final Reports												X

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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: Rio Grande Watershed Conservation & Education Initiative, Judy Lopez

Project Title: Value of Water: The Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future

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

SOUTH PLATTE BASIN ROUNDTABLE

January 16, 2013

Colorado Water Conservation Board
1313 Sherman Street. Room 721
Denver, Colorado 80203

RE: Data Logger Installation Project
South Platte River Basin

Dear Sirs:

The South Platte Basin Roundtable has received, reviewed and approved a Water Supply Reserve Account Application from the Colorado Division of Water Resources for a Data Logger Installation Project. The Roundtable unanimously approved, on January 8, 2013, \$89,205 from the Basin Account for this project. The evaluation of the South Platte Basin Roundtable was that this project meets all the criteria for approval and recommends the project to the Board for approval.

If additional information is needed please contact the undersigned.

Sincerely,

Harold G. Evans

Harold G. Evans, Chairman
South Platte Basin Roundtable



COLORADO WATER CONSERVATION BOARD
WATER SUPPLY RESERVE ACCOUNT
APPLICATION FORM



Data Logger Installation Project, South Platte River Basin

Name of Water Activity/Project

Colorado Division of Water Resources

Name of Applicant

South Platte

Amount from Statewide Account:

Amount from Basin Account(s):

Total WSRA Funds Requested:

\$89,205.00

\$89,205.00

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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

Required Exhibits

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

Appendices – Reference Material

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

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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

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

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

1.	Applicant Name(s):	Colorado Division of Water Resources	
	Mailing address:	810 9 th St., Suite 200 Greeley, CO. 80631	
	Taxpayer ID#:	84-0644739 (Tax Exempt)	
	Primary Contact:	Brent Schantz	Position/Title: River Operations Coordinator
	Email:	Brent.schantz@state.co.us	
	Phone Numbers:	Cell: 970-381-8159	Office: 970-352-8712 x 1217
	Alternate Contact:	David Nettles	Position/Title: Division Engineer
	Email:	David.nettles@state.co.us	
	Phone Numbers:	Cell: 970-590-1472	Office: 970-352-8712 x 1208

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 Contracting Agency for this project will be the Colorado Division of Water Resources. DWR is a state agency in the Department of Natural Resources. Division 1 encompasses the South Platte, Republican, and Laramie drainages within the state, approximately the northeast quarter of the state. Among other responsibilities, Division 1 has been given the responsibility for administration of water rights in these basins under the prior appropriation doctrine. This doctrine can be found in the State constitution along with statutes. The key statutes under which administration authority has been given to DWR may be found in Article 80 and Article 92.

For this application, the applicants are also acting on behalf of various users along the main stem of the South Platte and its northern tributaries. As described further in the application, both the water users and DWR will be the beneficiaries of the project installations resulting from the grant funds. DWR is a small government agency that receives the bulk of its funding from the General Fund. This funding goes toward operating costs such as mileage for Water Commissioners and there is no excess that could be applied to the project to install data-loggers as described further in the application.

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

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of

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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.

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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:

Structural project

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

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

☐

Study

☒

Implementation

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

New Storage Created (acre-feet)

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

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

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

☒

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

Area of Restored or Preserved Habitat (acres)

Other – Explain:

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

Latitude:

Attached map

Longitude:

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

This project would allow installation of stage discharge data loggers on 66 diversion structures and return flow augmentation structures on or within 44 different ditch systems. The principle focus will be on structures on the main stem of the South Platte downstream of Denver (Districts 2, 1 and 64) and in those districts tributary to the South Platte, including District 7 (Clear Creek), District 6 (Boulder Creek), and District 3 (Cache la Poudre). Data loggers and telemetry have already been set up on most major diversion structures downstream of Denver in a prior cooperative program between Northern Water, LSPWCD, SVLHWCD and DWR. The South Platte Roundtable previously approved funding requests for \$48,800 and \$46,000 for data loggers and cell phone telemetry. All of the equipment secured with this funding have been installed and are in successful operation. This application for funding is a continuation of the project started with this previous funding.

The only cost associated with this grant will be to purchase equipment. As in-kind service, purchased equipment will be installed in coordination with the various water users (Ditch Companies, Augmentation Plans and Municipalities) by DWR. This in-kind contribution will be the purchase of a 12 volt gell cell battery (\$75) by the appropriate water user and assistance with installation and programming by DWR if needed (usually no more than 1 hour per site). There are several sites where the water user will be installing new infrastructure; these costs range from \$700 - \$10,000. In addition, DWR will work with the respective Water Commissioners to display data on the DWR FTP site as requested by water users.

Data loggers allow for continuous information for water users and water administrators concerning flows and the more efficient use of administrative staff resources. The project will provide an excellent complement to the State's existing diversion and stream gage satellite program and is also complimentary to the work being done for the Colorado Decision Support System in obtaining better data concerning river flows and diversions and for the Alluvial Aquifer Accretion/Depletion Analysis Tool (AAADAT) program which received a WSRA Statewide Grant.

While the installation of this equipment will help with administration because of the more timely availability of information on all diversions, the primary benefit of this grant will be to eliminate

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the workload of ditch users and water commissioners to break down charts and allow flexibility in administration by not requiring said users to change a chart on an eight day schedule.

The data loggers allow near real time accounting to occur for augmentation of wells and diversions. This is extremely critical in the case of augmentation as real time information is necessary to determine recharge and direct flow credits to assure there is not an injury to senior water rights.

In summary, maximizing the use of existing supplies within the basin for decreed purposes with existing infrastructure is the first step in meeting the future needs of users along the South Platte and its tributaries. The increase in the use of data loggers has improved administration because DWR staff is able to spend more time administering water rights and less time breaking down charts. The use of data loggers also allows data to be made available in a timelier manner.

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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.)

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

The proposed Grant would positively enhance the current system of allocating water within the state. The grant would not affect any contractual agreement between parties or in any other way be inconsistent with Section 37-75-102 Colorado Revised Statutes.

- 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 BRTs 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.

(It is anticipated that a letter from Basin Roundtable will be attached to this application)

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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- 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.

The proposed grant meets the provisions of 37-92-104 (2). Specifically, the grant will allow for better administration of water by allowing more efficient use of water administrators' time and by making available more timely flow information to water users within the basin. Individual entities will be enabled to better monitor and manage their water rights and diversion operations by having data loggers purchased with grant funds.

- 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 CWCB. 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)

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

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Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.
Please attach additional pages as necessary.

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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.

The source of supply for the particular structures is the South Platte River and its tributaries from Denver to the state line. This encompasses Water District 1, 2, and 64. The tributaries to be included on the project include the Cache la Poudre, Clear Creek and Boulder Creek District 3, 7 and 6 respectively.

The South Platte and its tributaries are all over-appropriated which means the demand for water along the South Platte exceeds the supply. In the last few years, there has been a shortage of water on the main stem during the majority of the year resulting in a call on the river. This is in contrast to historic river conditions when there has been a free river for longer periods.

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

In 2006 Northern Water in coordination with DWR, LSPWCD, and individual ditch companies completed a study to determine how best to provide near real time information on diversions. In the study, Northern Water, DWR and LSPWCD tested a combination of data collecting devices and telemetry options to determine which combination worked best. As a result of this work and operational experience Division 1 staff, Northern Water, and LSPWCD have determined that stage discharge data loggers along with cell phone modems provide the best alternative at this time to provide real time flow information needed for effective water administration and operation by ditch companies.

The installation of data loggers and telemetry in District 1, 2, 3, 4, 5, 6 and 64 has been a huge success. The installation of data loggers has been the only way to handle the explosion of data requirements associated with construction of several hundred new recharge facilities. With the information from data loggers, both users and DWR staff have been able to turn around recharge within a matter of days allowing for users to obtain credit for recharge accretions

Water Supply Reserve Account – Application Form

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immediately when appropriate. The increase in diversion and stream flow data on the web has improved administration because users and DWR staff are immediately aware of any problems associated with diversion quantities. It also has improved trust between users by providing real time information and confirmation that all users are operating in accordance with their water rights.

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

See attached 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.

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

REPORTING AND FINAL DELIVERABLE

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

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

PAYMENT

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

Water Supply Reserve Account – Application Form
Revised December 2011

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

Signature of Applicant: 

Print Applicant's Name: Brent Schantz, DWR

Project Title: Data Logger Installation Project, South Platte Basin

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

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

Exhibit A
Statement of Work

WATER ACTIVITY NAME—Data Logger Installation Project, South Platte River Basin

GRANT RECIPIENT—Colorado Division of Water Resources

FUNDING SOURCE— South Platte Basin Account

INTRODUCTION AND BACKGROUND

Provide a brief description of the project.

This project would allow installation of 66 Sutron Stage Discharge Recorders (SDR) on diversion structures and return flow augmentation structures to provide more efficient and flexible use of Water Commissioner and ditch personnel time and allow a timelier distribution of data to water users. These recorders (data loggers) may replace chart type recorders that require charts to be changed on an eight day schedule and require Water Commissioners and /or ditch personnel to work the charts by hand to obtain the necessary data. The recorders will be placed on measuring structures in Districts 1, 2, 3, 6, 7 and 64.

OBJECTIVES

List the objectives of the project

Data loggers allow for continuous information for users and Water Commissioners concerning diversions and returns of water by allowing multiple users to access the same data instead of a chart that has to be broken down and the results dispersed at a later date. The project will provide an excellent complement to previous projects funded by the South Platte Basin Roundtable WSRA and is also complimentary to the work being done for the Colorado Decision Support System in obtaining better data concerning river flows and diversions. Near real time data will also be required for the Alluvial Aquifer Accretion/Depletion Analysis Tool (AAADAT) when completed. The use of data loggers is imperative for this tool to be successful. The greatest objective is to allow Water Commissioners greater efficiency and flexibility in dealing with the ever increasing data for the diversion of water.

The focus of this project will be on structures in Districts 1, 2, 3, 6, 7 and 64. Data loggers and telemetry have already been set up on most major diversion structures along the main stem South Platte and

Big Thompson and St. Vrain tributaries in a cooperative program between Northern Water, Lower South Platte Water Conservancy District, St. Vrain Left Hand Water Conservancy District and the Colorado Division of Water Resources with awards from previous WSRA grants.

TASKS

Provide a detailed description of each task using the following format

TASK 1—Site Identification

Make final identification of the sites to install data loggers.

Presently the following sites have been selected for installation of equipment based on identification by Water Commissioners.

District 1:

- JB Cooke Ditch
- Oliver Ditch
- Lone tree Ditch
- Ogilvy from Lone Tree Structure
- Deuel and Snyder end of ditch structure
- Silz recharge site
- Prince recharge site
- Fuchs recharge site
- Eschen recharge site
- Milliron recharge site
- Kiowa recharge site
- Lost Creek West recharge site
- Dearfield recharge site
- Hart-Langford recharge site
- Christensen recharge site
- Bath recharge site
- South Side recharge site
- Good recharge site
- Reed East recharge site
- Reed SE recharge site
- Public Service #1 recharge site
- Public Service #2 recharge site

District 2:

- Thompson Ditch
- Yoxall Ditch
- Slate Ditch
- Abbett Ditch
- Union Seep Ditch
- Hodgson Ditch

- Jay Thomas Ditch
- Slate Tail end structure
- Beeman St. Vrain power Plant flume
- Beeman return
- St. Vrain power plant return
- Union Bypass structure

District 3:

- Munroe Ditch
- North Poudre Ditch
- Pleasant Valley Ditch
- Poudre Valley Ditch
- Larimer County Ditch
- Jackson Ditch
- Little Cache Ditch
- Taylor and Gill Ditch
- Taft recharge
- John R. Brown Ditch
- Claymore Return
- Lake Canal
- Boxelder recharge
- Whitney Canal
- Jones Ditch
- Ogilvy Ditch

District 6:

- Schearer Ditch
- Rural Ditch
- Anderson Ditch
- Cannon Ditch
- South Boulder Ditch

District 7:

- Reno Juchem Ditch
- Slough Ditch
- Lee, Stewart & Eskins Ditch

District 64:

- JID Harms recharge
- McKinstry recharge
- Farmers Grain recharge
- Schuman recharge
- Sandhill G2 recharge
- Sandhill lake recharge
- Sandhill Smith recharge
- Kautz recharge

The locations of a few sites may be subject to change based on final coordination with Water Commissioners and water users. **All funds will be used to purchase Sutron Data Recorder packages.**

TASK 2 – Equipment Purchase

Procurement of all necessary equipment will be completed as soon as we receive a *Notice to Proceed* with the grant. Equipment is the only cost associated with this grant application and only one invoice will be required. Sutron should be able to ship out all equipment within two weeks of order.

TASK 3 – Installation

The equipment will be installed in coordination with the various ditch companies and Colorado Division of Water Resources personnel. There will be no costs associated with installation of equipment as these costs will be absorbed by the ditch companies.

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.

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.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

Equipment and freight are the only costs associated with this grant application any other costs will be absorbed by the ditch companies. All equipment will be invoiced by one vendor, Sutron.

Item	Unit Cost	Units	Total Cost
Stage Discharge Recorder	\$1004.00	66	\$66264.00
Float wheel 375mm	\$132.00	66	\$8712.00
Float	\$84.00	66	\$5544.00
Beaded Cable	\$14.00	330'	\$4620.00
Counterweight	\$26.00	66	\$1716.00
End hook set	\$23.00	66	\$1518.00
Cost for Equipment			\$88,374.00
Freight			\$831.00
Total Cost			\$89,205.00

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.

Data Logger Installation Project – South Platte Basin Schedule

Task	Start Date	Finish Date
1	Upon NTP	Upon NTP
2	Upon NTP	NTP + 30 days
3	Task 2 Finish Date	Task 2 Finish Date +30 days
Final Report		Task 3 Finish Date +30 days

NTP = Notice to Proceed

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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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GRANT RECIPIENT—Colorado Division of Water Resources

FUNDING SOURCE - South Platte Basin Account

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Appendix 1

Reference Information

The following information is available via the internet. The reference information provides additional detail and background information.

- Water Supply Reserve Account main webpage:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx>
- Water Supply Reserve Account – Basin Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>
- Water Supply Reserve Account – Statewide Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx>
- Colorado Water Conservation Board main website:
 - <http://cwcb.state.co.us/>
- Interbasin Compact Committee and Basin Roundtables:
 - <http://cwcb.state.co.us/about-us/about-the-ibcc-brts/Pages/main.aspx/Templates/BasinHome.aspx>
- House Bill 05-1177 – (Also known as the Water for the 21st Century Act):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>
- House Bill 06-1400 – (Adopted the Interbasin Compact Committee Charter):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>
- Senate Bill 06-179 – (Created the Water Supply Reserve Account):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>
- Statewide Water Supply Initiative 2010:
 - <http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx>

Appendix 2

Insurance Requirements

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

13. INSURANCE

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

A. Grantee

i. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

ii. Non-Public Entities

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in §13(B) with respect to sub-Grantees that are not "public entities".

B. Sub-Grantees

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

i. Worker's Compensation

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

ii. General Liability

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows:

(a) \$1,000,000 each occurrence; (b) \$1,000,000 general aggregate; (c) \$1,000,000 products and completed operations aggregate; and (d) \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

iii. Automobile Liability

Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

iv. Additional Insured

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

v. Primacy of Coverage

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

vi. Cancellation

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

vii. Subrogation Waiver

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

C. Certificates

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.

Appendix 3

Water Supply Reserve Account Standard Contract Information

NOTE: The standard contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

The standard contract is available here under the header "Additional Resources" on the right side:
<http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>

Appendix 4
W-9 Form

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

January 25, 2013

Mr. Greg Johnson

Program Manager, Water Supply Management Section

Colorado Water Conservation Board

1580 Logan Street, Suite 600

Denver, Colorado 80203

SUBJECT: Animas River Diversion Headgate Monitoring Study - \$14,500 from Basin Account

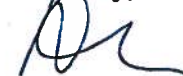
Dear Mr. Johnson:

The Southwest Basin Roundtable is pleased to recommend funding of \$14,500 from the Southwest Basin Account for the Animas River Diversion Headgate Monitoring Study. The application was considered in detail and approved at the January 9, 2013 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

This study complements both consumptive and non-consumptive IPPs related to the Animas River. The permanent control points will be established in the riparian habitat in a ½ mile section of the Animas River that includes points of diversion for 98% of beneficial use of Animas water from Baker's Bridge to Durango. The control points will be used to compare head-cutting resulting from past gravel mining to data collected in 1981 and monitor change going forward. Should structural corrections be required to maintain the capability for continued diversions, the survey will provide information needed to design corrections.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,



Michael Preston

Southwest Basin Roundtable Chair



COLORADO WATER CONSERVATION BOARD
WATER SUPPLY RESERVE ACCOUNT
APPLICATION FORM



Animas River Diversion Headgate Monitoring Study

Name of Water Activity/Project

Animas Consolidated Ditch Company

Name of Applicant

Southwest Basin
Roundtable

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$14,500

Total WSRA Funds Requested:

\$14,500

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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

Required Exhibits

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

Appendices – Reference Material

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

Water Supply Reserve Account – Application Form
Revised December 2011

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable AND the Colorado Water Conservation Board (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

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

Water Supply Reserve Account – Application Form
Revised December 2011

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

1.	Applicant Name(s):	Animas Consolidated Ditch Company		
	Mailing address:	P.O. Box 3777 Durango, Colorado 81302		
	Taxpayer ID#:			
	Primary Contact:	Ed Zink	Position/Title:	Board Member
	Email:	Edzink@waterfallranch.com		
	Phone Numbers:	Cell: 970-749-4621	Office:	970-247-8758
	Alternate Contact:	Carrie Lile	Position/Title:	Engr. Consultant
	Email:	carrie@durangowater.com		
	Phone Numbers:	Cell:	Office:	970-259-5322

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

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

Water Supply Reserve Account – Application Form
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3. Provide a brief description of your organization

The Animas Consolidated Ditch Company owns and operates the Animas Consolidated Ditch, which serves the west side of the Animas River Valley between Baker's Bridge and Durango. The ditch company was formed around 1900, and consolidated several ditches in the area into one. The ACDC has rights to nearly 93 cfs which provides irrigation and other water uses on roughly 1,600 acres. There are 300 members along the 12 mile ditch.

The ditch company is heading a collation of five ditch companies located within the Animas River Valley and divert from the Animas River, in the proposed study area of the ½ mile stretch. Collectively these ditches irrigate a total of 3,000 acres on both sides of the river.

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

The Ditch Company will retain a surveyor to gather data, and a water engineer to help identify the needed information.

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.

Not applicable

Water Supply Reserve Account – Application Form
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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.

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:

Document cross sections of the river to provide a benchmark for future monitoring.

Water Supply Reserve Account – Application Form
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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude:

Longitude:

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

The proposed project is to retain a surveyor to generate cross sectional data along the Animas River in relation to the 5 ditch companies' diversions. Please see Exhibit B for a location map. The surveyor will install a minimum of 6 sets of permanent control points along the river's riparian habitat. These control points will be used for future monitoring of the river to ensure accuracy between data collection sets. The surveyor will generate cross sectional data for each set of control points as well as cross sections between each set of control points. The cross sectional data will be compared to existing data collected in 1981 by Animas Valley Ditch and Water Company (owns and operates Reid Ditch) and other historic data that can be found to determine if any changes have occurred to the streambed and/or the entire river section.

Most (98%) of the water diverted from the Animas River for beneficial use in the Animas River Valley between Baker's Bridge and Durango occurs from diversion points within the ½ mile section of the river that is the proposed study area. This area needs to be monitored for channel depth and width changes due to the excessive large gravel extraction operations during the late 1900s that occurred in the 5 miles south of Bakers Bridge to Trimble Lane (including the study area). The high removal rate greatly exceeded the replenishment rate of gravel by the river, so there is significant channel erosion. These are known impacts but have not been quantified. This monitoring study will set the control points needed to quantify any changes in the river channel. To assist in quantifying past headcutting, the monitoring study will also include research into any and all available historic data which may have been prepared in the past relative to the gravel pit operations.

Should current and/or future surveys show that structural corrections are required in the river channel to maintain the capability of the irrigation ditches to divert from the Animas River, the surveys will provide the information needed to design the corrections.

Water Supply Reserve Account – Application Form
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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.)

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

The project will provide the ditch companies with the necessary data and information to first evaluate and if necessary protect their water rights from the potential channel degradation associated with gravel mining occurring downstream.

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

The information requested is included in the letter from the roundtable chair.

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

Water Supply Reserve Account – Application Form

Revised December 2011

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

The information requested is included in the letter from the roundtable chair.

- 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)

The Animas Consolidated Ditch Company along with the Animas Valley Ditch and Water Company and other entities will provide a cash match of \$4,000. This is a 22% match to the grant funds.

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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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.

N/A

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

Water Supply Reserve Account – Application Form

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**Continued: Explanation of how the water activity/project meets all applicable Evaluation Criteria.
Please attach additional pages as necessary.**

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 assist in maintaining existing senior irrigation water rights in the Animas River Valley.

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

The Animas Valley Ditch and Water Company (owners and operators of Reid Ditch) conducted a survey of the river channel in 1981. This data will be used to compare historic conditions with current conditions and quantify any changes in the river. Other studies and US Army Corps of Engineers permits will be investigated to collect all available data for the proposed project site area.

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

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

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

REPORTING AND FINAL DELIVERABLE

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

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

PAYMENT

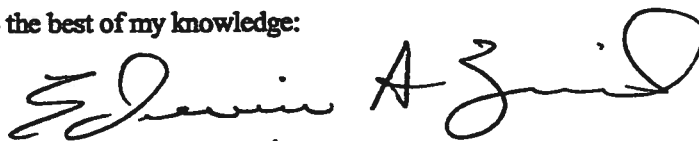
Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for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

Water Supply Reserve Account – Application Form

Revised December 2011

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

Signature of Applicant:



Print Applicant's Name:

EDWIN A ZINK

Project Title:

Arriaga River Diversion Headgate Monitoring Study

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

CONCEPTS FOR BASIN EVALUATION AND PRIORITIZATION

The following will be used to evaluate a project submitted to the Southwestern Colorado Basin Roundtable:

Required:

A. Projects must be submitted on an application form used by the State IBCC and CWCB. All applicable sections must be completed.

B. Projects must address the values encompassed by the SW Basin Bylaws, especially the following goals and objectives:

- ☐ **Seek the involvement of all interested parties and stakeholders.**
- ☐ **Propose methods or projects, both structural and non-structural, for meeting any future needs as well as utilizing any unappropriated waters.**
- ☐ **Promote the protection, conservation, and use of water in the Southwestern Colorado Roundtable area.**
- ☐ **Promote the socio-economic sustainability of the Southwestern Colorado Roundtable area.**
- ☐ **Promote the protection and conservation of the natural environment, including the protection of open space.**

C. Provide the financial details of the plan, including cost sharing and other possible funding sources. Give a financial overview and rough timeline for completion of the project.

To assist the Southwest Roundtable in determining whether and to what extent a proposed project meets the values set forth in the Bylaws, the following questions should be addressed separately as can reasonably be answered by the applicant.

1. What benefit(s) does the project provide? Are there multiple purposes?

Note: this does not mean that a single purpose project would be rejected, but for major funding requests, addressing multiple use needs would be an advantage.

This project will provide benefits to the ditch company as well as the four other ditch companies along this section of the Animas River. By setting control points, future monitoring will be conducted that can in turn relate to previous data collections. By monitoring the control points along the river, the extent of erosion of the river channel by future runoff/flood events can be quantified.

2. Outline the steps needed for completion of the project. What permit issues must be overcome? How will funds acquired in this process be used to accomplish the final goal?

No special use permits will be necessary to conduct the work for this project. The applicant will work with property owners along the section of interest to obtain access and allow work by the surveyor. The funds acquired will be used to retain and pay a surveyor and retain an engineering consultant.

3. For prioritization of different proposals and assessment of the merits of the plan, can this project be physically built with this funding. Are further studies needed before actual construction is commenced(if the project anticipates construction)? Will these studies or additional steps delay the completion of the project substantially?

No additional funding is needed to complete this monitoring study.

4. How does the proposal envision and anticipate support from its beneficiaries or from other sources in addition to the funding requested here? Would a loan reasonably address the needs of the applicant or, with a grant, should a recommendation be added to assess the future project status for ability to repay a portion of the grant?

The project is less than \$20,000 so a grant meets the applicant's needs for additional funding. A loan for the monitoring study would not be feasible.

5. What is the ability of the sponsor to pay for the project? What actions have been taken to secure local funding? Are there supporting factors which overcome the sponsor's inability to pay? (These could be related to basin water needs and compact considerations).

The Animas Consolidated Ditch Company and its partners will provide a cash match of \$4,000.

6. What alternative sources of water or alternative management ideas have you considered? Are there water rights conflicts involving the source of water for the project? If so, please explain.

Not applicable. No water rights conflicts are associated with this study.

7. How has public input been solicited and is there local support for the project? Have the beneficiaries solicited funding, letters or other documentation to demonstrate support?

The Animas Consolidated Ditch Company has received support from the Animas Valley Ditch and Water Company. This project will be discussed with the memberships of both companies at their respective annual meetings in the spring of 2013.

8. Is there opposition to the project? If there is opposition, how have those concerns been addressed?

No opposition.

9. How does the project affect the protection and conservation of the natural environment, including the protection of open space?

The project will develop cross sections of the Animas River in order to monitor the river channel condition. The cross sections will be re-surveyed in the future to determine if any changes to the river channel have occurred.

10. What is the impact of the proposed action on other non-decreed values of the stream or river? Non-decreed values may include things such as non-decreed water rights or uses, recreational uses and soil/land conservation practices.

Not applicable. This is simply a monitoring study. No impact on the natural environment is expected.

11. How does the project relate to local land use plans? If conflicts exist, how will these be addressed?

The project will help monitor possible channel erosion of the Animas River. This data can be used to evaluate headgate locations along the river, land practices along the river, and identify other local factors that could be manipulating the river channel. It is a priority of La Plata County land use plan to maintain agriculture. Protecting these irrigation ditches supports the land use plan objective.

12. Identify any intrabasin conflicts and how they will be addressed.

Not applicable.

13. Identify any interbasin impacts and how any conflicts would be addressed.

Not applicable.

14. How does the project support agricultural development or protect the existing agricultural economy?

This project will monitor the river channel's movement throughout time. By understanding the river movement, the ditch company can adjust their practices to coincide with the river. Currently, the headgate sits two feet below the river bed. By monitoring the river channel, the ditch company can anticipate streambed changes so that diversion for irrigation can avoid interruption.

Scope of Work

WATER ACTIVITY NAME – Animas River Diversion Headgate Monitoring Study

GRANT RECIPIENT – Animas Consolidated Ditch Company

FUNDING SOURCE – Basin Account Water Supply Reserve Account

INTRODUCTION AND BACKGROUND

The Animas Consolidated Ditch Company owns and operates the Animas Consolidated Ditch, which serves the west side of the Animas River Valley between Baker's Bride and Durango. The ditch company has been in operations for over 100 years and has a diversion water right of 86 cfs which provides irrigation and other water uses to roughly 1,600 acres. The other ditch companies provide water for about 1,400 irrigated acres.

Most (98%) of the water diverted from the Animas River for beneficial use in the Animas Valley occurs between Baker's Bridge and Durango and occurs within the ½ mile section of the river that is the proposed study area. This area needs to be monitored for headcutting impacts due to the excessive large gravel extraction operations during the late 1900s that occurred in the 5 miles south of Bakers Bridge to Trimble Lane. The high removal rate greatly exceeded the replenishment rate of gravel by the river, so there are significant headcutting in the thalweg. These are known impacts but have yet to be quantified. This monitoring study will set the control points needed to quantify any changes in the river channel.

OBJECTIVES

The project objectives are to install control points along a specific river stream section, delineate river cross sections, collect and analyze data. The data collection shall be made available for future studies to evaluate potential changes in the Animas River.

TASKS

Provide a detailed description of each task using the following format.

TASK 1 – Site Assessment

Description of Task

Prior to the site assessment, research studies and permits for any historic elevation data. The site visit attendees are a surveyor, engineering consultant(s), members of the Animas Consolidated Ditch Company and members of the Animas River Valley Ditch and Water Company (owns and operates the Reid Ditch). The group will first determine the area of interest for the study. Next the group will establish the permanent survey control points locations along the east and west banks of the Animas River for the purpose of initial channel mapping and the continued monitoring of the river channel. Discussions with surveyor on access, feasibility to the site and other constraints will determine the location of the remaining cross sections.

Method/Procedure

Common engineering and surveying principles and practices will be employed to determine the locations of the control points and cross sections. The control points will be established on the Colorado State Plane Grid system South Zone 503, NAD 1983, NAVD 1988.

Deliverable

The major deliverables will be a site layout of cross section locations with latitude and longitude values for each control points' location.

TASK 2 – Surveying

Description of Task

The second task will be for the surveyor to start developing the cross sections for the river. The surveyor will survey field data collection of the existing Animas River channel topography and the preparation of channel cross sections above and below the headgates for the Animas Consolidated Ditch Company and the Reid Ditch.

Method/Procedure

The surveyor will use common principles and practices to conduct the work.

Deliverable

The major deliverables will be a generated map with the cross section locations, plan and profiles views of each cross section, and provide latitude and longitude values for each section.

TASK 3 – Research historic data

Description of Task

The third task will be for the engineer to conduct a research study to find, locate and collect all applicable existing data for the proposed project area. Having a historic record will generate a Animas River Valley wide understanding of the current and past conditions of the river.

Method/Procedure

The engineer will use common principles and practices to conduct the work.

Deliverable

The major deliverables will be a collection of data that is compiled in precise and concise manner to be reference in the future.

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 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.

1/8/2013

Attachment to Scope of Work

Animas Consolidated Ditch Company and partners
Headgate Monitoring Study Budget

Task	Description	Total Cost	Technical	WSRA Grant Construction	Other Direct Costs	Total WSRA Grant	Total Matching
1	Site Assessment	\$3,200	\$2,000	\$0	\$0	\$2,000	\$1,200
2	Survey field data collection	\$13,140	\$10,500	\$0	\$0	\$10,500	\$2,640
3	Research historic data	\$2,160	\$2,000	\$0	\$0	\$2,000	\$160
	Subtotal	\$18,500	\$12,500	\$0	\$0	\$14,500	\$4,000
	Total						\$18,500

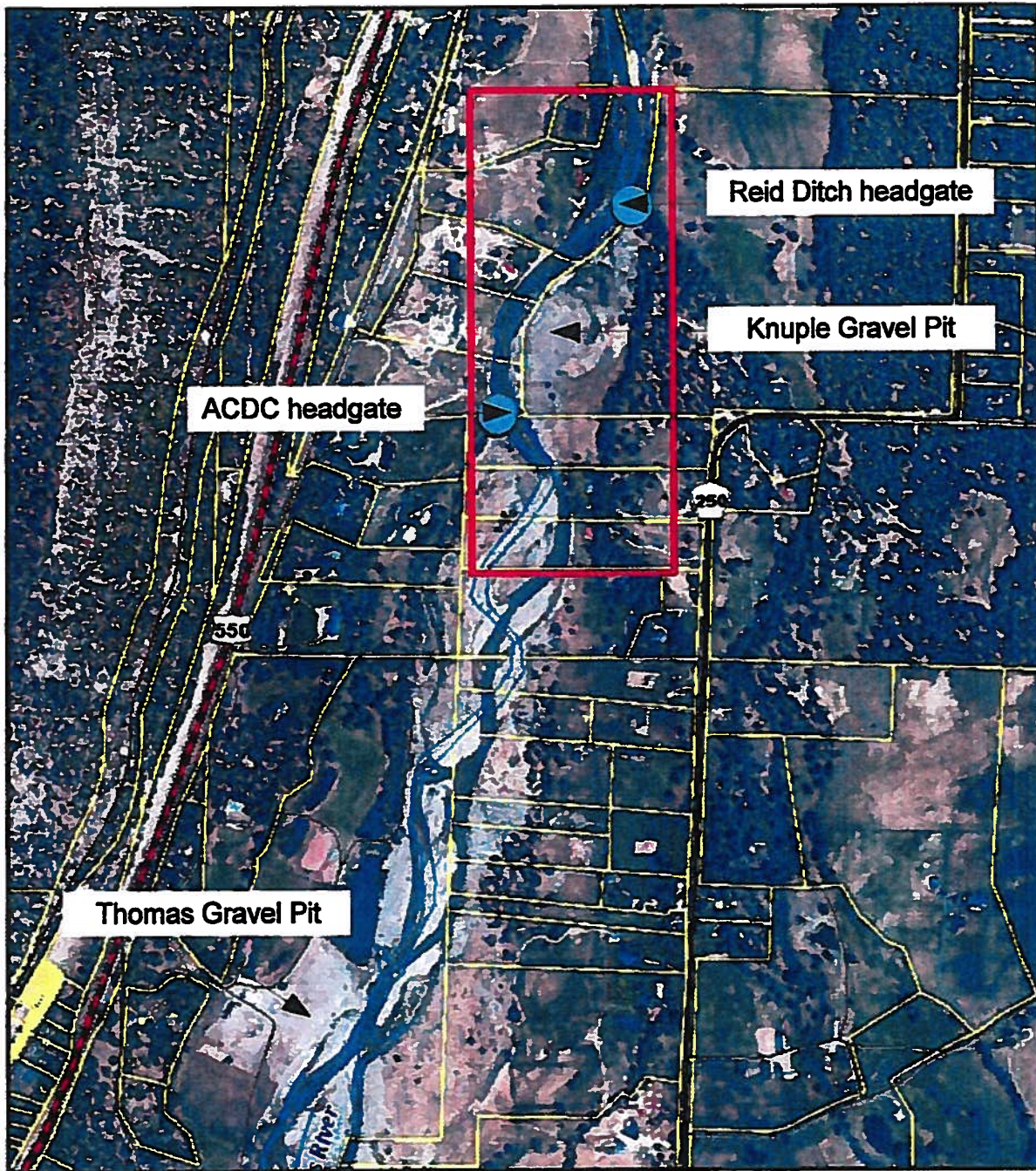
Technical									
Principal Engineer		Associate Engineer I		Surveyor Field Work		Surveyor Professional Services			
	Subtotal		Subtotal		Subtotal		Subtotal		
Task 1	Site Assessment	\$120	\$80	\$126	\$1,000	\$100	\$1,000		
Task 2	Survey field data collection	6	6	8	\$9,500	10	\$3,500		
Task 3	Research historic data	0.6	1	78	\$0	36	\$0		
	Total	3.6	21.78	0	\$0	0	\$0		
			Total	Total	\$10,500	Total	\$4,500		
								Total	

- * The allocation of costs between each component may change depending upon the actual effort for each component.
- * Billing rates will remain fixed or decreased.
- * Contractors bid as one job not by individual tasks.

TASK COMPLETION SCHEDULE

Tentative Task Completion Schedule	Completion Date
Task 1 - Site Assessment	31-Aug-13
Task 2 - Survey field data collection	31-Oct-13
Task 3 - Research historic data	31-Oct-13
Final Report	20-Nov-13

Site Location Map

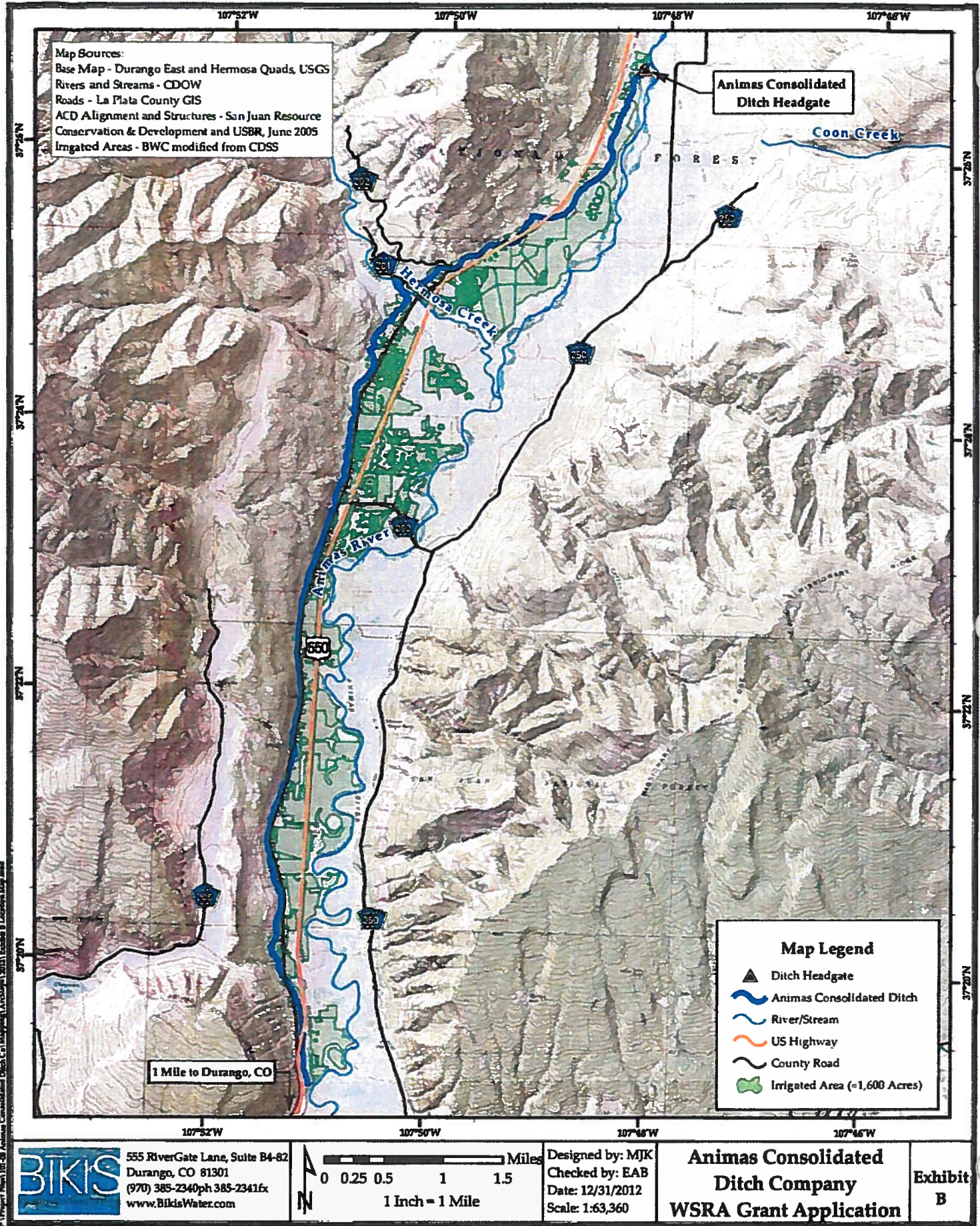


Harris Water Engineering, Inc.
954 E. 2nd. Ave., Ste. #202
Durango, CO 81301
(970)-259-5322

Animas River Diversion Headgate
Monitoring Study

WRSA Grant Application

Animas Valley, CO
Courtesy La Plata County GIS
Not to Scale
Sec 25, T37N, R9E, NMPM



Map Sources:
Base Map - Durango East and Hermosa Quads, USGS
Rivers and Streams - CDOW
Roads - La Plata County GIS
ACD Alignment and Structures - San Juan Resource
Conservation & Development and USBR, June 2005
Irrigated Areas - BWC modified from CDSS

Animas Consolidated
Ditch Headgate

Coon Creek

Hermosa Creek

160

160

1 Mile to Durango, CO

Map Legend

- ▲ Ditch Headgate
- Animas Consolidated Ditch
- River/Stream
- US Highway
- County Road
- Irrigated Area (=1,600 Acres)

BIKIS
555 RiverGate Lane, Suite B4-82
Durango, CO 81301
(970) 385-2340ph 385-2341fx
www.BikisWater.com

0 0.25 0.5 1 1.5 Miles
1 Inch = 1 Mile

Designed by: MJK
Checked by: EAB
Date: 12/31/2012
Scale: 1:63,360

**Animas Consolidated
Ditch Company
WSRA Grant Application**

**Exhibit
B**

Sangre de Cristo



*Resource Conservation
and Development*

Sangre de Cristo RC&D Council, Inc.

PO Box 457
Westcliffe, CO 81252

Member of the Western RC&D Association:
www.westernrcd.org

February 1, 2013

Colorado Water Conservation Board (CWCB)
Water Supply Planning Section
Attn: Mr. Todd Doherty
1580 Logan Street, Suite 200
Denver, CO 80203

Subject: Formal Request for Transfer of Grant Responsibility for Purchase Order #OE PDA
12IBC000006

Reference: 1) Multi-Media Program for Reporting Crops and Turf Water Use Estimates from the
Colorado Agricultural Meteorological Network (CoAgMet)

Reference: 2) Telephone conversation between Don Pearson and Todd Doherty, January 7, 2013.

Dear Mr. Doherty,

As discussed during our reference telephone conversation, as well as addressed in various emails between our offices in November and December of 2012, the Sangre de Cristo RC&D Council is requesting your assistance in transferring grant management responsibility for this grant and the associated work. In our discussion you requested a formal letter from the Council stating our intent to have this action presented for approval by the CWCB Board of Directors during the scheduled March 2013 meeting. This letter serves as formal notice of our request to have this request presented.

The RC&D Council made the decision in October 2012 to conclude or transfer all outstanding grants and programs as soon as possible because the organization can no longer sustain operations due to the budgetary cut of its paid manager's position. This decision, though difficult to make, requires that we relinquish our fiduciary management responsibilities for the CoAgMet grant, awarded through your office in late 2011.

As Executive Director I am responsible for managing the diligent transfer of any and all active grants, and I have been working closely with our partners on this effort, including Colorado State University (Dr. Perry Cabot) and the Arkansas Groundwater Users Association (AGUA), specifically with Mr. Scott Lorenz. The AGUA Board of Directors has reviewed and approved their organization stepping up to the task of managing this grant through its completion, provided the same terms and conditions in the original contractual agreement remain the same. Dr. Cabot works closely with AGUA and Mr. Lorenz and he approves of the decision and recommendation to use AGUA as the agency for the grant management. The only remaining party to get agreement from is the CWCB, which as you indicated will be presented to them at their March 2013 Board meeting.

Once the CWCB Board approves this action we are prepared to work with you, Dr. Cabot, and AGUA to facilitate the signing of whatever transfer documents the CWCB requires, and the financial transfer of partner funds we are currently holding in our account. To date, no formal invoices have been submitted to the CWCB for work performed, and future invoices would be submitted by AGUA per the contract.

Sangre de Cristo



*Resource Conservation
and Development*

Sangre de Cristo RC&D Council, Inc.

PO Box 457
Westcliffe, CO 81252

Member of the Western RC&D Association:

www.westernrcd.org

If you have any questions or need additional documentation prior to the CWCB Board meeting please don't hesitate to contact me by phone or email. I look forward to the smooth transfer of grant management responsibility and thank you for your support with our request. The outstanding working relationship between the RC&D and the CWCB has been a benefit to many communities and individuals in our region of Colorado and it has been a pleasure working with your organization.

Respectfully submitted on behalf of the RC&D Council,

Don Pearson
Executive Director
(303) 815-4984

