

**Interbasin Compact Committee
Basin Roundtables**

Gunnison Basin Roundtable

Meeting Agenda

June 4, 2012

Western State College – College Center Ballroom (upstairs)

Gunnison, CO

3:00 p.m. – 5:00 p.m.

Call to Order

Roll Call/Introductions

Approve Agenda

Approve Minutes from 5/7/2012 Meeting (attached)

Report from IBCC Representatives (action item)

Report from Educational Committee

Report from CWCB Representative

1. **Project Proposal** – Town of Ridgway, \$540,000 from Statewide Account Funds and \$60,000 from Basin Account Funds for Town of Ridgway Lake Otonowanda Renovation Project. (see attached)
2. **Project Proposal** – Colorado Parks & Wildlife/City of Gunnison, \$200,000 from Statewide Account Funds and \$20,000 from Basin Account Funds for River System Assessment and Restoration on the Gunnison River near Gunnison, Colorado. (see attached)
3. **Project Proposal** – Delta Conservation District, \$30,000 from Statewide Account Funds and \$4,600 from Basin Account Funds for North Fork of the Gunnison River Corridor Project. (see attached)
4. **Project Proposal** – Trout Unlimited, \$40,000 from Statewide Account Funds and \$10,000 from Basin Account Funds for Relief Ditch Diversion Modification Construction. (see attached)
5. **Basin Roundtable Project Exploration Committee: Flaming Gorge** – Report and Update, Rick Brinkman & Ken Spann.
6. **Public Trust Initiatives** – Supreme Court Ruling on Ballot Title Setting. John McClow will brief the Roundtable members regarding this issue.

5:00 p.m. – Roundtable Dinner

5:30 p.m. – 6:30 p.m. – Public Reception with Dessert & Coffee

6:30 p.m. – 8:00 p.m. – State of the River Meeting

**Interbasin Compact Committee
Gunnison Basin Roundtable Meeting
Holiday Inn Express
Montrose, Colorado
May 7, 2012**

Voting Members Present:

Thomas Alvey	North Fork WCD
Mike Berry	Tri-County WCD
Rick Brinkman	Mesa Municipalities
Allen Brown	Hinsdale County
Marc Catlin	At-Large Member
Tim Decker	Montrose County
Cary Denison	Ouray County
Joanne Fagan	Ouray Municipalities
Austin Keiser	Grand Mesa WCD
Frank Kugel	At-Large Member
Rachel Kullman	Montrose Municipalities
Henry LeValley	Crawford WCD
Dixie Luke	At-Large Member
Olen Lund	Delta County
John McClow	House and Senate Ag Committees, CWCB Liaison
Chuck Mitisek	Ute WCD
Bill Nesbitt	Gunnison Municipalities
Michelle Pierce	Hinsdale Municipalities
Hugh Sanburg	Industrial
Ron Shaver	At-Large Member
Steve Shea	Agricultural
George Sibley	At-Large Member
Ken Spann	Upper Gunnison River WCD
Bill Trampe	Colorado River Water Conservation District
Adam Turner	Local Domestic Water Supplier
Rufus Wilderson	Gunnison County

Voting Members Absent:

Jennifer Bock	Environmental
Wendell Koontz	Delta Municipalities
Neal Schwieterman	Recreational
Vacant	Mesa County
Vacant	Saguache County

Liaisons and Non-Voting Members Present:

Sharon Dunning (Assistant Recorder), Bob Hurford (CDWR liaison), David Kanzer (At-Large), Jedd Sondergard (BLM liaison), Denis Reich (CSU Extension Agent liaison).

Public: Hannah Holm (Colorado Mesa University Water Center), John Stulp (IBCC), Todd Doherty (CWCB), Ralph Files (Friends of River Uncompahgre), Scott Streit (Congressman Tipton), Dan Crabtree (USBR).

Welcome

The meeting was called to order at 3:00 p.m. by Chairperson Michelle Pierce.

Roll Call/Introductions

Following roll call it was declared that a quorum was present.

Approve Agenda

Cary Denison requested to add to the agenda a report on the Non-Consumptive Needs Committee meeting that took place last week. Mike Berry circulated the Roundtable's roster for review.

Tom Alvey made a motion to approve the agenda with the additions. Ron Shaver seconded and the motion carried.

Approve April 2, 2012 Meeting Minutes

Rachel Kuhlman requested a change to the minutes regarding reference to the "North Delta Irrigation Company".

Bill Nesbitt made a motion to approve the minutes with the amendment. Austin Keiser seconded, and the motion carried.

Report from the IBCC Representatives

Bill Trampe stated that he had nothing to report.

Report from the Educational Committee

Frank Kugel announced there were handouts for the Blue Mesa Dam 50th Anniversary Celebration. David Kanzer said there would be a similar handout for the Paonia celebration at the upcoming meeting.

Report from the CWCB Representative

John McClow stated that there had been no meeting since last Roundtable meeting. The next CWCB meeting is scheduled for May 15-16, in Glenwood Springs.

1. Statewide Portfolio and Tradeoff Tool – Basin Roundtable Portfolio Development

Cary Denison said the Needs Assessment Subcommittee met in Gunnison and the subcommittee built three portfolios that were circulated to the rest of the Roundtable. Cary summarized the three portfolios, with low, medium, and high scenarios.

John McClow made a motion that the Gunnison Basin Roundtable adopt the 3 portfolios and send them on to the IBCC. Frank Kugel seconded, and the motion carried unanimously.

2. Non-Consumptive Needs Committee – Cary Denison reported on the Non-

Consumptive Needs Subcommittee meeting.

The Non-Consumptive Needs Subcommittee met Thursday of last week with other people from the Gunnison Basin and CWCB to discuss needs in the Gunnison Basin. Sixteen people attended the meeting and several good projects were brought forward.

The group discussed what non-consumptive projects were, how they are funded, how the water supply reserve account process works, updated maps, and what was fundable. Extra consideration should be given to non-consumptive projects that assist waters users that have forest service mitigation issues concerning development of their water rights. This subject will be discussed at their next meeting.

Several good projects were proposed and at least 3 of those projects will be brought to the Roundtable for consideration in the near term.

3. Project Proposal – Leon Park Reservoir Company, \$31,372 from Basin Account Funds for Leon Park Reservoir Dam Outlet Repair Project

The proposed project is to restore a reservoir with aging infrastructure that is used for agriculture. The Project Screening Committee recommends approval of this project.

Frank Kugel made a motion to approve funding the project from Basin Account funds in the amount of \$31,372. Cary Denison seconded, and the motion carried unanimously.

Other

John Stulp thanked all members who attended the summit meeting.

A joint meeting with members of the Arkansas, Metro and South Platte Roundtables followed the Roundtable Meeting from 4:00 p.m. to 8:00 p.m. Minutes of that discussion are attached.

Next Meeting

The next regular meeting of the Gunnison Basin Roundtable will be at 3:00 p.m. on Monday, June 4, at the Western State College Center Ballroom in Gunnison, Colorado.

Adjourn

There being no further business to come before the Roundtable, the meeting adjourned at 3:34 p.m.

Mike Berry, Recorder

Action Items

None.

**Interbasin Compact Committee
Gunnison, Arkansas, Metro and South Platte Basin Roundtables Joint Meeting
Holiday Inn Express
Montrose, Colorado
May 7, 2012**

Present: Members of Gunnison, Arkansas, Metro and South Platte Roundtables

Welcome

The meeting was called to order at 4:00 p.m. by Gunnison Basin Roundtable Chairperson Michelle Pierce.

Introductions

Michelle Pierce welcomed everyone, and introduced Professional Facilitator Heather Bergman. Michelle stated that she is the coordinator of the meeting, and will turn meeting over to Heather for a facilitated discussion.

Todd Doherty gave a quick overview discussing how we account for passive and active conservation.

1. **SWSI 2010 Conservation Presentation (CWCB Staff)** – Veva DeHeza and Kevin Reidy discussed CWCB water conservation and drought planning,

Kevin, a technical specialist on conservation, discussed passive conservation such as passive savings replacement of fixtures in homes (natural placement).

Veva, specializing in Conservation Strategies and Best Practices, discussed several reports available, including the Conservation Strategies Report.

2. **Presentation on Grand Junction Regional Water Conservation Plan** – Rick Brinkman, Water Services Manager, City of Grand Junction

Rick discussed the regional water conservation plan in the Grand Valley, and the different water providers; Ute Water, City of Grand Junction, Clifton Water and the Town of Palisade.

3. **Presentation on Tri-County Water Conservancy Water Conservation Plan** – Mike Berry, General Manager, Tri-County Water

Mike discussed conservation and culture in the Uncompahgre Valley, and the Project 7 Water Authority which provides treated water for 6 water providers. Mike discussed the Tri-County Water service area, and the water conservation plan that is currently in place as well as past water management plans.

4. Conservation White Paper Presentation and Discussion - Greg Fisher from Denver Water and Rick Marsicek from Aurora Water

Greg and Rick discussed a conservation strategy that was created for the Metro Basin. The intent of the conservation strategy was to give a realistic view of what could be achieved on conservation. They believe they can achieve higher conservation, but just need to learn how to do it.

5. Presentation from various Front Range water providers on conservation measures achieved and planned (Denver Water, Aurora, Thornton, Douglas County Water Resource Authority, Greeley, Pueblo, Colorado Springs Utilities)

Rick Marsicek - Aurora Water

- 330,000 people population
- Use 50,000 acre feet
- Reuse since the late 60's
- Have 6 people to deal with conservation
- Have sustained about a 20% reduction in domestic water use coming out of the 2002 drought
- Aurora has a grant to look at entire landscape to see what water use should be
- Water rates have increased significantly

Mark Cole - City of Thornton

- 120,000 population, + 16,000
- 22,000 acre feet
- 35,000 taps
- Do all foundational programs
- Rate adjustments to use as some incentives

Scott Winter - Colorado Springs Utilities

- Started conservation programs in early 90's
- Mostly about education
- Steep rate structure
- Proactive with mainline replacement

Gary Barber - Arkansas Basin

- Examples of landscape changes

Mark Shively – Douglas County

- Water conservation plans, all providers have some plans in place
- Budget every customer
- Leak detection smart controllers
- Have a big program for education www.dewater.org

Jim Hall - City of Greeley

- Pilot project on water budget, allocating the amount of water based on irrigating and home -all customers on it by next year
- 100,000 people
- Rebate program
- Active audit program for efficient irrigation
- Education program
- Cement and mortaring old lines
- Goal is to get another 8.2% reduction, 20% achieved in last 10 years

Allen Ward and Paul Fanning - Pueblo Water works

- 108,000 population
- 39,000 taps
- 27,000 acre feet
- Reuse all reusable water
- Conservation, not as active conservation program, but mostly educational
- Have a draft conservation plan

6. Discussion of current work on conservation (e.g. CTAG, IBCC Conservation Subcommittee)

Veva, CWCB, discussed collaborative initiatives, more task forces or groups to look at conservation, and CTAG (Conservation Technical Advisory Group) a conservation group that meets once per month, to help the state look at conservation in a more technical way. Veva mentioned the Municipal Water Efficiency Plan Guidance document.

Todd discussed the IBCC conservation subcommittee, and how they are working on a comprehensive conservation plan.

7. Facilitated Discussion on the most important questions for us to address - Professional Facilitator Heather Bergman

**Joint Roundtable Meeting
May 7, 2012
Chart Notes from Facilitated Discussion (re Conservation)**

Questions/Answers

Can Front Range providers offer additional information about the percentage of conserved water applied to the gap currently and about what will be done with future conserved water?

Denver Water's conserved water is currently used as a safety net or reserve to protect against unforeseen events in the future. Denver Water's future replacement savings (savings from passive conservation efforts) will be applied to the gap (e.g., used to serve new development). With regard to future active conservation, Denver Water has not drawn any conclusions about how much to serve to new customers and how much to keep as a reserve.

When working with the Portfolio Tool, roundtables need to decide how much of the future active conservation will be applied to the gap.

In light of climate change as well as current and 2002 precipitation levels, we should be thinking about how much can be achieved with conservation if there is no new supply.

- Human behavior being what it is, it may be that only extreme circumstances can bring about extreme measures. We may need a crisis like the one that occurred in Australia to get conservation measures like those achieved in Australia.
- Providers are committed to conservation; ongoing education efforts continue to contribute to conservation.
- Conservation requires individual behavior as well as action by providers.

Front Range providers have stated that they want to collaborate with other stakeholders on conservation. What does that mean? What kind of help do providers want?

- A push for conservation can come from two places. In municipalities with direct control over the water utility (like Thornton), city councils have the authority over land use and other aspects of development to provide for increased conservation. However, where that direct connection with land use authority is lacking, legislative leadership may be needed to help raise the bar of conservation.
- Providers and other stakeholders need to work together to develop a common message about the need for conservation. A shared message would be very powerful and could lead to legislative leadership.
- All parties need to continue the dialogue at all levels, in all venues, including at the IBCC, at the roundtables, in joint roundtable meetings, with legislators, and in community meetings.

A statewide report in which providers share their conservation actions and achievements would increase conservation by increasing competition among providers to do more.

House Bill 1051 created such a reporting mechanism. Reporting will begin in 2014; a compiled report should be available in 2015.

Discussion (Comments Only – No Agreement Was Sought or Achieved)

- More dialogue about conservation is needed.
- We need to explore conservation on par with new supply. We know how to build a new supply project much better than we know how to do conservation.
- The limitations of the Portfolio Tool limited the conservation options in roundtable portfolios.
 - Roundtables had to guess at “acceptable” amounts of conservation and “appropriate” percentages to apply to the gap.
 - The Tool makes it hard to develop a portfolio with equal-length “legs of the stool.”
- The West Slope needs assurance that water from new supply will be used really efficiently.
 - Exchanges might be a way to achieve greater efficiency.
 - Efficiency is not just about gallons per person per day (gpcd). The West Slope needs to see appropriate conservation measures and needs to know that new supply requests from the Front Range will not keep coming.
- The “reasonable” nature of prices for residential water may change with time.
 - Future conservation levels are hard to estimate and will likely change in response to prices, technologies, acceptance of new measures by the public, etc.
 - We do not know what the limits of conservation are. The future may hold new technologies or tolerance.
 - Economics are a key driver of conservation options and acceptance.
- Should the West Slope have to conserve water in addition to the Front Range?
 - What is the benefit of conservation for West Slope municipalities with senior rights? They might be accused of abandoning their rights.
 - Maybe there is a difference between West Slope and East Slope municipalities.
 - Why does the West Slope have to pay for planning decisions on the East Slope?
 - How can we protect the Gunnison Basin from penalties of conservation? This would be easier if water could be stored in Blue Mesa.
 - Would the West Slope be conserving water for local or state use, or would conserved water from the West Slope flow downstream for use in the Lower Basin states?
 - Not all conservation is voluntary; conservation districts are already requiring conservation.
- Risk management is critical but has several aspects to it.
 - Risk management can and should be applied to conservation.
 - Conservation can only provide water for so long. Once, for example, all the lawns on the Front Range are gone, there will be no further ability to gain water from conservation.
 - Water applied to lawn irrigation is less than 3% of all water consumed in Colorado. Are we really focusing on the right place to get “more?”
 - The Colorado River system may not have any more water in it, especially in light of the current drought and global warming.
 - How do we compare different kinds of risks?

- Do we need or want a statewide conservation ethic? If so, is such a thing achievable? Should it be achieved by regulation or through negotiation?
 - We may not be able to achieve conservation goals by each provider acting individually.
 - Do we want a regulatory solution?
 - Maybe there is no difference between a regulatory solution and a negotiated solution.
 - Is regulation the only path to the high conservation rates that are identified in the Tool? What about the impacts on agriculture and on non-consumptive needs?
- New supply development is a transfer of growth potential from the West Slope to the East Slope.
- We have heard that we cannot use water to extinction on the East Slope because it is being used for non-consumptive needs; but that is a sacrifice of non-consumptive needs on the West Slope.
- We need a system of checks and balances based on current conditions with:
 - A flexible framework that allows for responses to future needs
 - Contingent actions tied to triggers
- Maybe we do not need a one-size-fits-all approach.
- The State could work with CML to change the paradigm on requirements for landscaping for new development—require less landscaping or require xeriscaping in whole or in part.

Next Steps

- Further dialogue between roundtables would be welcomed by roundtables on both sides of the Divide.
- CTAG and the Conservation Subcommittee of the IBCC could advance the dialogue with roundtable members with technical expertise.
- **The roundtable chairs will discuss how to advance the conservation dialogue on the next all-chairs call. Each chair will report back to his/her roundtable on this discussion.**

Michelle Pierce

From: mcf@wic.net
Sent: Wednesday, May 30, 2012 11:55 AM
To: michellepierce
Cc: alvey_t
Subject: WSRA grant applications
Attachments: R_LO WSRA GrantAp0502512.pdf; Amended WSRA Grant Application DCD North Fork Corridor Project.docx

Michelle,

I have attached two applications and believe you already have two others. The Project Screening Committee reviewed four applications for funding from the WSRA account. After revisions and amendments, the committee recommends approval of three with one (Relief Ditch) still pending final vote. The proposals are:

1) Town of Ridgeway Lake Otonowanda Renovation- The request is for \$540000 of state funds and \$60000 of Basin funds for the enlargement of Lake Otonowanda to provide the Town of Ridgeway with an improved and reliable source of municipal water. This project is on the list of IPP's for the Gunnison Basin and will provide a necessary upgrade to the town's water supply. Currently the town is out of priority in dry years and needs the increased storage to insure water delivery. There is an alternative B which would be somewhat preferable, but there are uncertainties around land availability so the applicant has focused on this plan. The Screening Committee recommends approval.

2) Town of Gunnison/Colorado Parks and Wildlife- The request is for \$200000 from the State account and \$20000 from the Basin for River System Assessment and Restoration on the Gunnison River near Gunnison (VanTuyl Ranch). This project is a nonconsumptive use project which will include four parts-river survey work, development of alternatives, design work and some implementation aimed at improving the river habitat, channel, diversions and public access. This project has good support from the City, CPW, BOR, Gunnison Trails and Trout Unlimited. The Committee recommend approval of this request.

3) Delta Conservation District NF River Corridor Project- Request for \$30000 State and \$4600 Basin funds for the continuation of invasive species mapping from the Town of Paonia up river to the Paonia Dam and down river to the confluence with the main Gunnison River. In addition the project will add to other mapping efforts to obtain a GIS map of many features of the North Fork i.e. diversions, return flows, public access as well as the invasive species. The project will include educational meetings with the public. This is a non consumptive use project which the Screening Committee recommends approval. The GBRT has already funded the first phase of this project with invasive species removal around the Paonia park.

4)Relief Ditch Diversion Modification- Request for \$40000 State and \$10000 Basin for work on the Relief Ditch Diversion project, for which the Roundtable gave grant money for the study phase. This is a large project which Trout Unlimited has spearheaded with cooperation from the Ditch company, the BLM, US Fish and Wildlife, and a diverse group of other interested parties. The money requested would be used for work on the headgate, the diversion structure and administrative expenses. The Committee supports the project, but has not had time to give final approval to the request. Pending.



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Town of Ridgway Lake Otonowanda Renovation Project

Name of Water Activity/Project

Town of Ridgway

Name of Applicant

Gunnison Basin

Amount from Statewide Account:

\$540,000

Amount from Basin Account(s):

\$60,000

Total WSRA Funds Requested:

\$600,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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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):	Town of Ridgway		
	Mailing address:	PO Box 10 Ridgway, CO 81432		
	Taxpayer ID#:	84-6000714		
	Primary Contact:	Jen Coates	Position/Title:	Town Manager
	Email:	jcoates@town.ridgway.co.us		
	Phone Numbers:	Cell: 970 729 1142	Office:	970 626 5308 x12
	Alternate Contact:	Joanne Fagan	Position/Title:	Town Engineer
	Email:	jfagan@town.ridgway.co.us		
	Phone Numbers:	Cell: 970 729 1282	Office:	970 626 5227

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 Town of Ridgway is a home rule municipality with a Town Council/ Town Manager form of governance located in Ouray County, Colorado, and first incorporated in 1891.

Our local government organization retains 13 full-time employees with additional independent contracting services as necessary. Public Safety and Public Works, including water and wastewater services, road maintenance, and parks and recreation. The local government and community are guided by a Home Rule Charter, Municipal Code, Master Plan and a Strategic Plan.

The Town provides water and wastewater services to users within its incorporated boundaries. According to the 2010 US Census, 924 residents occupied Ridgway in 2010, representing an increase of 211 residents since 2000. The most dramatic rate of growth was 11.3% in 2005 – 2006. An additional 193 housing units (a 60.7% increase) were constructed within the municipal boundary between 2000 and 2010. The Census also reports 79% of all housing units as occupied, indicating a substantial year-round population for our rural community. From 2002 through the end of 2011 the Town welcomed 174 additional residential utility users and 43 additional commercial utility users, 67% and 64% increases respectively. These numbers are quite significant for our small community and indicative of the increasing demands on our utility infrastructure.

The Ridgway Local Government has worked actively for many decades to manage growth in a sustainable manner using various land use tools including numerous planning documents, land use regulations and a intergovernmental agreement with Ouray County. The economic recession has yielded a significant drop in construction and development activity and the Town is seizing the opportunity to evaluate and consider growth impacts and service demands. At this time we have a better understanding of our organizational and utility demands for a smart future when growth and development return. The Town water rates have become increasingly aggressive in the last decade and land use regulations encourage conservation.

Address: 201 N. Railroad Street, P.O. Box 10, Ridgway, Colorado 81432

Phone: (970) 626-5308

Town Manager - Jen Coates x12

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

N/A

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has

Water Supply Reserve Account – Application Form

Revised December 2011

established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

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

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

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

No issues are anticipated.

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.

The primary purpose of the reservoir renovation is to insure an adequate municipal water supply for Ridgway residents and businesses for both the short-term (low water and drought years) and the long-term (population growth and development). The Town and Ouray County entered into an intergovernmental agreement (IGA) in 2002 whereby growth is targeted and focused to occur within the municipal boundary, capitalizing on available resources and infrastructure, including water supply and availability. The Town of Ridgway is better positioned than Ouray County to provide, conserve, distribute, and monitor water.

This Renovation Project improves on a pre-1922 water storage right for the Town and does not require any additional appropriation of our precious Colorado water supply. The Town is an active participant in the Gunnison Basin Roundtable and understands the value in exercising existing rights in combination with municipal water conservation measures. The Renovation Project is identified as one of the targeted solutions (IPP) in the Statewide Water Supply Initiative for the Gunnison Basin to reach the projected statewide demand for water in the year 2050.

The stored water and renovation of the reservoir will also have habitat value for the wildlife in the area, a valuable commodity in a diminishing open space arena.

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)

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: 38°06'39" N

Longitude: 107°46'32" W

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.

Over the past decade the Town of Ridgway has been working diligently and steadfastly to secure and improve a reliable and functional water supply for the community. The Town has completed various and ongoing water supply and conservation initiatives and projects, including but not limited to: the development and implementation of a non potable water supply system, audits of the water treatment and supply infrastructure, construction of a \$1.5 million water treatment plant, a \$450,000 water service line replacement project, 2005 feasibility study on the development of a collaborative treated water supply, emergency water supply interconnection, user fee increases and the completion of a water supply feasibility study. The Town is now in a position to realize the apex of these efforts, which is a renovation of the Ridgway municipal reservoir, Lake Otonowanda, a raw water storage facility referred to here as the "Renovation Project". The Renovation Project will provide for storage of sufficient water to meet the Town's water needs when the Town's water rights are out of priority by restoring the reservoir to utilize more of its allocated and adjudicated capacity. The renovation of the reservoir will assist the Town in being able to accommodate future growth and development as agreed upon in the 2002 Intergovernmental Agreement with Ouray County for the "efficient provision of public services", including water treatment and supply. By directing and accommodating growth within the municipal boundary, as opposed to encouraging development in unincorporated areas, we are better suited to manage, conserve, and monitor water usage and supply.

Because of the scope and cost of the Renovation Project we have divided it into three more manageable phases: Feasibility Study, Feasibility Follow Up/ Design, and Construction. The first phase, completed in early 2011, was a Ridgway Ditch and Lake Otonowanda Feasibility Study, funded with generous assistance from the CWCB Water Supply Reserve Account. The Feasibility Study was prepared by the Applegate Group Inc. to determine how best to insure an adequate water supply for the Town during times when the Town's water rights are out of priority. The Feasibility Study recommended significant renovations to the municipal reservoir including replacing the outlet works and the secondary dam so that the Town could store sufficient water within the municipal reservoir providing for a continuous supply to users even when the Town's flow rights are out of priority. The second phase of the Renovation Project will take the recommendations from the Feasibility Study through the final stages of feasibility assessment and on through completion of the design phase which is budgeted for 2012 and planned for completion in time to bid the construction phase in 2013. The final phase of the Renovation Project is the construction of the improvements, which at this time is targeted to commence during the 2013 construction season.

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This construction phase of the Renovation Project is anticipated to cost about \$2.0 million. As the Ridgway local government and Ridgway community have recently invested heavily in improvements to the Town's municipal water supply, treatment, and distribution systems, the cost of construction for this Renovation Project is beyond what the community and local government are able to fund without some outside assistance. This application is for assistance in funding this final phase: construction of the Lake Otonowanda Renovation Project.

Part III. – Threshold and Evaluation Criteria

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

This Renovation Project, a structural water project, is in need of supplemental financing. The Renovation Project is listed on the Gunnison Basin Roundtable IPP list and will upgrade a municipal reservoir with about 100 acre feet of storage no gravity outlet to at least 347 acre feet and an efficient delivery through a functional outlet system.

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

This project will fully comply with the Prior Appropriation Doctrine of the State of Colorado, and specifically the decreed water storage right held by the Town of Ridgway, which is a pre-1922 decreed right that is explicit, clear, and necessary for reliable municipal water supply.

- 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

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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from the roundtable chair simply reference that letter.

The project is being submitted to the Roundtable for review in at their June meeting. [REDACTED]

- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin [REDACTED] 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.

As provided in Section 10.1.6 of the Statewide Water Supply Initiative report (SWSI Phase I), and specific to the Gunnison Basin, numerous M&I projects within the basin have been identified to reasonably meet projected 2030 water demands. Rehabilitation and enlargement of Lake Otonowanda municipal reservoir is included in Table 5-4 of the 2010 SWSI IPP's for Ouray County in the Gunnison Basin IPP's.

The Ridgway Lake Otonowanda Renovation Project will help meet projected in growth water supply demands in the Town of Ridgway for the benefit of Ouray County and the Gunnison Basin, and will also provide an augmentation water supply needed to meet calls by senior users. While water contracts are available with Tri-County Water Conservancy District's Ridgway Reservoir to supply augmentation water for downstream users on the Uncompahgre River, the Town's water supply can be called by senior users above Ridgway Reservoir. The Town was subject to a call in 2002 and to a lesser degree in 2003, and as of May 3, 2012, is partially under call again. The Town will certainly be subject again in future drought years, which are likely, if not imminent. The need for the Renovation Project is paramount and the Town is committed to completing it.

- 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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The Town is seeking \$600,000 total from the Water Supply Reserve Account, \$60,000 from the Gunnison Basin funds and \$540,000 from the Statewide funds. The Town is also intending to apply for a \$650,000 CWCB loan and a \$500,000 Energy and Mineral Assistance Grant from the Department of Local Affairs. The Town recently secured a \$19,000 grant from the Colorado River District to assist with design and geotechnical evaluation, which are projected to cost a total of \$85,000. The balance of the option evaluation and design is \$66,000 (\$85,000 less the \$19,000 2012 River District Grant) is will be funded with Town in kind and cash both budgeted for expenditure in the Town's January - December 2012 Fiscal Year. Town cash and in kind will also fund construction management and likely some of the construction including hauling road base and road construction.

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).

The Project will affect interbasin needs at the municipal level. The additional water which will be stored are pre 1922 waters and will provide some value to all western slope water users if there is a Compact Call on the Colorado River.

- 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.

While the project is primarily municipal, some collaboration will occur with affected landowners near the involved water infrastructure and with other water rights holders utilizing water from Beaver Creek and Cottonwood Creek. The study phase of the project completed a water rights

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analysis and needs assessment, including consumptive and/or non-consumptive needs, specific to the Ridgway community. The project will meet one and likely more of the water management objectives identified in the Statewide Water Supply Initiative including providing augmentation supplies that will be needed for existing and future M&I growth in Ridgway, in Ouray County, and potentially the Gunnison basin as a whole.

- 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.

The project is included in SWSI 2010 as a Projects and Processes (IPP's) identified as needed to help meet Colorado's water supply demands in the future and is identified in the Basin's Needs Assessment. The project will provide a high level of benefit to Colorado in relationship to the amount of funds requested with the cost per acre foot of storage projected to be under \$6000. If the Town is successful in securing the use of some additional ground adjoining the Town's Lake Otonowanda property, the volume stored could increase and the cost per acre foot could be significantly lower.

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).

Receipt of funds from the Account will make a significant difference in the implementation of the storage of the Town's municipal water supply. The Town is not in a position to fund the project without significant financial assistance. At approximately \$2 million, this project represents the most significant financial and infrastructure investment for the Ridgway community water supply. The urgency for the project couldn't be greater. The Town's water rights were subject to a call in 2002 and 2003 and we are on track this year for another potential call with severely low snowpack levels and little precipitation. Rehabilitating and expanding the municipal reservoir, the Town's only major raw water storage facility, will greatly enable the Town to withstand future calls on the river that place its municipal water supply at risk, while securing longer term municipal water supply to accommodate future growth.

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

The Town has invested significant funds in this project:

2011 Applegate Reservoir and Ditch Feasibility Study (including remedial improvements to the Ridgway ditch, measuring devices, etc.) –

Attorney's Fees in Renovation Project – approximately \$10,000

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Design and Geotechnical - \$15k in 2012 budget \$19k in River District Funding
Town Engineer Salary and Benefits Investment for design in 2011-3 – \$95,000
Proposed loan to Enterprise Fund - \$600k or \$700k?
Proposed Construction Management and Road Construction in 2013 - \$120,000

The Town anticipates completing the design of the project in late spring of 2013 and hopes to start construction in late 2013, with the balance of the construction to be completed in 2014. The applicant is a municipal government with significant experience in water resources and in the design and construction of major projects. We have the ability to properly oversee and administer this 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.

Lake Otonowanda is situated outside of the Town's municipal boundary on the edge of the San Juan Mountains and is home to various wildlife and native plant species. The municipal reservoir is surrounded by a private conservation easement held by the Rocky Mountain Elk Foundation and the renovation will improve the habitat in this location. The new outlet pipe will provide for improved circulation and aeration of the reservoir, improving water quality and enhancing the overall appeal and benefit of the reservoir.

- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.

The expanded reservoir will store pre 1922 waters which should assist both the Town and Basin in the case of Compact Call.

- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.

Expanding Lake Otonowanda will improve wildlife habitat for many native species that inhabit the area including for eagles and migratory birds.

- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.

The projected cost per acre foot for the Renovation Project is about \$6000 or less. The \$6000 per AF assumes the renovations and storage are confined exclusively to land the Town currently owns. The Town is continuing to negotiate with the neighboring land owner to try to secure the use of some of their land on which the Town would expand the reservoir. If the town is successful, the project could potentially store over 600 AF of water and have a cost as low as \$3500 per AF. In either case the cost per acre foot is substantially below most M&I projects. This Renovation Project is very significant for a small, rural community of 924

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residents. As indicated previously, the project is identified in the SWSI 2010 to assist in meeting Colorado's water supply needs. For a small community to come to the table and participate in state-wide solutions for water supply is remarkable.

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

The reservoir Renovation Project including a functional outlet and a deeper, partially lined basin will deliver water more efficiently and effectively to the Town of Ridgway, providing for less seepage loss. The ability for the Town to provide sufficient water supply during periods of drought, in combination with other water conservation efforts that are underway, will mitigate the impact of drought on the Ridgway community in so far as having water available to mitigate any call on the municipal water supply. Providing the Town with the ability to absorb future growth and an increased population base, as targeted in the Ridgway/Ouray County IGA, allows for targeted growth and development within the municipal boundary thereby alleviating growth pressures in Ouray County, which alleviates environmental issues associated with sprawl and rural/ exurban development. This also provides for more controlled water management and conservation efforts.

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.

Lake Otonowanda has a storage decree of 746 AF. The Town's most senior decree is 2 cfs from the Sibert Ditch (appropriation 6/1/1882, adjudication 5/15/1897) transferred to the headgate on the Ridgway Ditch in CA-1496. The Town also has a 25 cfs decree for the Ridgway Ditch which supplies water to the municipal reservoir and to Town. The Town intends to fill the municipal reservoir when the Town's flow rights are in priority and to use the water from the municipal reservoir to supply the Town when the flow rates are out of priority.

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

The Ridgway Ditch and Otonowanda Reservoir Feasibility Study prepared by the Applegate Group in January 2011 evaluated ways for the Town water supply to be protected when there is call on the Town's water rights. The report recommended the rehabilitation and expansion of the Town's municipal reservoir, Lake Otonowanda.

The Applegate Feasibility Study included a wetlands determination which included a classification by the US Army Corp of Engineers (ACOE) of Isolated Waters which means the wetlands are not subject to the jurisdiction of the ACOE. Applegate also consulted with Ouray County regarding any new land use permitting that might be required. Because the County has not adopted 1041 regulations and the municipal reservoir is not in a view corridor, Ouray County permitting is not required.

If a new dam is constructed, the design of the dam will be subject to the State's Dam Safety Regulations. That would require a Hazard Classification Report, Hydrology Report, Design Report, and review of construction plans and specifications. Because the basin in which the municipal reservoir sits is a closed basin project impacts will be minimal; however the above reports will still need prepared.

The project will impact more than one acre and thus will need a stormwater management plan, which will be submitted to the Colorado Department of Health and Environment (CDPHE) at least 10 days before construction commences. If dewatering is required for construction, a construction dewatering permit will be required. Application for a dewatering permit needs to be submitted to CDPHE about 60 days in advance of any dewatering activities.

The Town is completing a Source Water Protection Plan in 2012, which encompasses this municipal reservoir and surrounding watershed area. A stakeholder group is now in the process

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of identifying implementation mechanisms to protect and conserve Ridgway's municipal water supply. This is one mechanism to insure the Town's source water, including the municipal reservoir, is protected into the future.

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.

Statement of Work

WATER ACTIVITY NAME - Lake Otonowanda Rehabilitation and Expansion.

GRANT RECIPIENT – Town of Ridgway

FUNDING SOURCE - Water Supply Reserve Account Grant/Loan, Gunnison Basin Roundtable, Department of Local Affairs Energy and Mineral Impact Assistance Fund, Colorado River District, Town of Ridgway Water Enterprise Utility

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 Renovation Project goals are:

1 - Protect and utilize more of the Town's pre-1922 water storage rights to provide the Town of Ridgway with a reliable water supply when the Town's municipal water flow rights are out of priority and to assist the Colorado River Basin in meeting Compact Calls.

2 – Improve the use, amount and functionality of the Town's pre-1922 deeded water storage right in the municipal reservoir, Lake Otonowanda;

3 – Provide a reliable municipal water source for future growth and development within the Town, which ultimately serves to manage growth in the unincorporated Ouray County

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pursuant to the Ridgway/Ouray County Intergovernmental Agreement.

The project includes new outlet works to replace the collapsed tunnel outlet, a new spillway, and replacement of the substandard secondary dam with a taller dam built to current design standards. The project will greatly increase the storage capacity of the municipal reservoir. The goal of the project is to construct sufficient storage from which the Town could draw water during a call and meet the Town's future municipal and industrial water needs. The reservoir would be filled when the town's water supply is in priority.

OBJECTIVES

List the objectives of the project

- 1 – Renovate and expand the Town's existing municipal reservoir and outlet works to improve the existing storage capacity and to more effectively and efficiently store and deliver municipal and industrial water
- 2 - Remove sediment from the Town's water supply in advance of the water treatment plant to facilitate water filtration treatment and conserve energy during the treatment process
- 3 – Upgrade the municipal reservoir to a simple, manageable, efficient and non-labor intensive water intake, storage, and outlet system

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Finalize Option Selection and Geotechnical Evaluation (\$10,000)

Description of Task

Finalizing the details of the project will start from the recommendations from the 2011 Applegate Feasibility Study of Ridgway Ditch and Lake Otonowanda (Feasibility Study) through the final stages of feasibility assessment. including an assessment of the final design capacity for the rehabilitation and expansion. This phase also includes supplemental geotechnical evaluation to determine the best way to rehabilitate the outlet works.

Method/Procedure

Continued discussions with adjoining land owners to determine practicality of expanding the municipal reservoir surface area. If found practical, prepare documents for execution of property acquisition.

Geotechnical investigation of the outlet area to determine practicality and costs of outlet rehabilitation options.

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Model municipal reservoir expansion options to determine the most cost effective and practical option for expanding the municipal reservoir's capacity and the best municipal reservoir capacity given unit and total costs.

Deliverable

Assessment and recommendations for outlet works and municipal reservoir location and capacity.

TASK 2 – Permitting (\$35,000)

Description of Task

Secure all the permits and approvals needed for construction of the project including the required reports and assessments needed for SEO approval of the plans and specifications.

Method/Procedure

Prepare Hydrology Report
Prepare Spillway Capacity Assessment
Prepare Hazard Classification report
Prepare Dam Safety Design Report
Prepare Dewatering Permit
Coordinate other environmental permits if needed

Deliverable

Approval of the above reports
Issuance of any needed environmental permits.
Note: stormwater and dewatering permits are to be prepared and secured by the contractor

TASK 3 – Design (\$40,000)

Description of Task

Prepare all the design documents for construction of the rehabilitation and expansion of the municipal reservoir. It is anticipated that design work will include preliminary design documents which will be provided to review entities and final documents which be ready for bidding and construction of the work.

Method/Procedure

Use standard engineering criteria and methods to develop plans and specifications for the project.

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Deliverable

Plans, Specifications, and Contract Documents for bidding and construction of the project. Will include preliminary and final documents.

TASK 4 – Bidding (\$2,500)

Description of Task

Issue the advertisement for bids
Address Bidder questions
Hold prebid meeting including site visit
Evaluate Bids and Bidders
Prepare recommendation for Town Council regarding contract award

Method/Procedure

Follow Town and funding agency bidding procedures

Deliverable

Prebid meeting summary
Any needed addenda
Summary of questions and answers
Summarize bids
Provide recommendation for award

TASK 4 – Construction (\$1,900,000)

Description of Task (Town tasks)

Conduct Preconstruction Conference
Review submittals and Shop Drawings
Oversee construction
Insure contractor complies with contract requirements
Address Contractor questions.
Review test results
Review pay requests
Prepare record drawings
Construct New Road to access headgate

Method/Procedure

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Standard Engineering and Construction practices
Construction in accordance with approved plans and specs and in accordance with contract documents.

Deliverable

A completed municipal reservoir renovation
Record drawings
SEO approval as needed
CWCB final report

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.

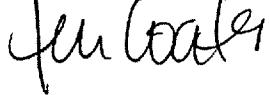
Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

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: Jen Coates

Project Title: Lake Otonowanda Renovation Project

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

Cost Estimate - Lake O Renovation on Town Owned Property					
				Qty	Unit \$
					Total
Mobilization		CY		1	\$ 78,000
Remove old embankment		CY		6783	\$ 5
Bottom grading		SY		1000	\$ 7.50
Foundation Preparation		CY		5200	\$ 5.00
Embankment Placement		CY		71403	\$ 12.00
Riprap - top 6'		CY		1050	\$ 85
Solar Pump System for Irrigation Tailw		LS		1	\$ 25,000
New Access Road		LF		1800	\$ 10
Outlet, Spillway		LS		1	\$ 300,000
Reservoir Liner		acre		10	\$ 19,000
Reservoir Inlet structure		LS		1	\$ 10,000
Seeding		acre		2	\$ 4,500
Construction Sub Total					\$ 1,643,501
Contingencies				15%	\$ 246,525
Access Easement (7000'l x 30'w)		AC		4.8	\$ 7,500
Const. Mgmt & observ, Const. Survey, Testing				10%	\$ 164,350
Total Construction					\$ 2,090,533
Design and Geotech					\$ 85,000
Total Cost					\$ 2,175,533
Cost per AF				363	\$ 5,993



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

River System Assessment and Restoration - Gunnison River near Gunnison, Colorado

Name of Water Activity/Project

Colorado Parks and Wildlife and City of Gunnison

Name of Applicant

Gunnison Basin Roundtable

Amount from Statewide Account:

\$200,000

Amount from Basin Account(s):

\$ 20,000

Total WSRA Funds Requested:

\$220,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

Application Content

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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 Parks and Wildlife and the City of Gunnison		
	Mailing address:	Colorado Parks and Wildlife 300 W. New York Gunnison, CO 81230		
		City of Gunnison P.O. Box 239 Gunnison, CO 81230		
	Taxpayer ID#:			
	Primary Contact:	Dan Brauch (CDPD)	Position/Title:	Fishery Biologist
	Email:	dan.brauch@state.co.us		
	Phone Numbers:	Cell:	Office:	970-641-7070
	Alternate Contact:	Steve Westbay	Position/Title:	Planning Director
	Email:	swestbay@cityofgunnison-co.gov		
	Phone Numbers:	Cell:	Office:	970-641-8152

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.

Colorado Parks and Wildlife (CPW), created July 1, 2011 from the merger of Colorado State Parks and the Colorado Division of Wildlife, provides outdoor recreation and wildlife management for Colorado's 41 state parks and 23 million acres of public land. The CPW owns the Gunnison River Corridor adjacent to the VanTuyl Ranch.

The City of Gunnison (City) is a Home Rule municipality under Article XX of the *Colorado Constitution*. The City of Gunnison provides domestic water, sewer, and electric services to the 5,854 residents of the city, Western State College and several neighborhoods in the adjacent unincorporated county area. Other services provided by the City include parks, recreation, streets, trails, police, planning and land development. The City owns the 382 acre VanTuyl Ranch, which is adjacent to the channel reach of the Gunnison River for which this grant application is being made. The VanTuyl Ranch is the aquifer recharge area for the City's domestic water source.

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.

There are no TABOR issues that are contemplated either by the CPW or the City of Gunnison.

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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)

<input checked="" type="checkbox"/>	Nonconsumptive (Environmental or Recreational)
<input type="checkbox"/>	Agricultural
<input type="checkbox"/>	Municipal/Industrial
<input type="checkbox"/>	Needs Assessment
<input type="checkbox"/>	Education
<input type="checkbox"/>	Other

Explain:

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

This project will serve several purposes. Restoration of this river channel reach will help to improve both terrestrial and aquatic habitat, it helps to improve public access to the river, and it is anticipated that final improvements will reduce flood risks.

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

<input checked="" type="checkbox"/>	Study	<input type="checkbox"/>	Implementation
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4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

<input type="text"/>	New Storage Created (acre-feet)
<input type="text"/>	New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)
<input type="text"/>	Existing Storage Preserved or Enhanced (acre-feet)
13,465'	Length of Stream Restored or Protected (linear feet)
<input type="text"/>	Length of Pipe/Canal Built or Improved (linear feet)
<input type="text"/>	Efficiency Savings (acre-feet/year OR dollars/year – circle one)
<input type="text"/>	Area of Restored or Preserved Habitat (acres)
<input type="text"/>	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: 38° 34' N

Longitude: 106° 56' W

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 history of this project dates to 1993 when the Trust for Public Lands purchased the VanTuyl Ranch (Ranch) and subsequently brokered deals with the City of Gunnison and the Bureau of Reclamation (BOR) to transfer title of this real property. The City of Gunnison gained title to a 384 acre operating ranch containing a large floodplain and riparian area, and the BOR received title to the river corridor. The City purchased the Ranch to protect the alluvial gravel aquifer and recharge area that serves as the domestic water source for the city. The BOR purchased the 1.5 mile river corridor to help fulfill an obligation to replace approximately 18 miles of public river access lost by the construction of Blue Mesa Reservoir. Subsequent to purchasing the river corridor, the BOR deeded it to Colorado Parks and Wildlife with a deed restriction requiring that this river reach shall be used “to conserve wildlife..., provide for public access and enjoyment... and mitigate losses of, and improve conditions for, the propagation of fish and wildlife”.

In 2008 Raymond VanTuyl, who had owned the ranch for over 60 years and had been granted a life estate at the Ranch by the City, passed away. Hence, the City of Gunnison went into the business of managing a ranch. Great Outdoors Colorado Board (GOCO) awarded the City a planning grant in 2008 to help fund development of the *VanTuyl Ranch Management Plan* (adopted August 2010). This management plan is premised on an adaptive resource management model, directing several key resource administration components including: water quality and quantity protection; agriculture operations; riparian habitat protection; public recreation; and public safety.

In 2001 CPW developed a *Fluvial Geomorphological Assess and River Restoration Considerations report for the Gunnison River near Gunnison, Colorado*. The report addressed concerns about large concrete-rubble levees in the river channel reach adjacent to the VanTuyl Ranch. These human alterations have significantly affected the river system function.

The City and CPW have agreed to work on a programmatic strategy to implement actions aimed at improving the river channel function while protecting the City’s interests in managing the Ranch open space. Specifically, any proposed alterations of the fluvial system will be critically assessed to ensure that flood hazards either on the Ranch or downstream do not increase. The proposed strategy to address this challenging task entails a four-step approach: 1) stream reach survey data collection; 2) define and assess alternative action options and establish a specific preferred alternative or combination of alternatives; 3) develop project designs and detailed cost estimates; and, 4) implement improvement actions.

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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 will fund a project to determine existing condition issues, identify alternatives that are safe and enhance the fluvial system, and design projects for implementation. It is anticipated that some actions may be implemented at a very low cost, while other actions may have a very high price-tag.

Acquiring field data and identifying potential improvement projects will have no adverse effect on any existing water rights as recognized by the *State Constitution*.

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.

This application was submitted to the Gunnison Basin Roundtable for consideration at their June 2012 meeting. The Roundtable participants provided the following input....

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.

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.

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 ongoing 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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- 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).

Several funding partners have joined in this grant application. A summary of the partner match commitments is provided below.

Colorado Division of Parks and Wildlife. The CPW will provide in-kind services to include specialized staff needed to manage the planning, design and action implementation proposed by this grant. In the fall of 2011 the Colorado Division of Parks Wildlife granted a one-quarter mile easement to the City of Gunnison in order to facilitate a trail extension providing public access to the riparian area. The value of the easement grant was not calculated but it is considered to be a relevant in-kind donation considered in this grant application.

City of Gunnison. After the City received the CPW easement, the construction of a 1.5 mile long trail segment, providing public access was initiated. This new trail segment provides public access to the riparian area. This capital project, which is being completed this spring, also includes the construction of over 2.5 miles of fencing to protect habitat from livestock grazing. The total cost of this trail and fencing project was \$150,000 and this direct expenditure is considered a relevant in-kind donation to this grant application. The City will be committing a \$5,000 of in-kind labor, equipment and materials for the construction of a new trail segment to the Gunnison River.

Gunnison Trails. Gunnison Trail, a local non-profit organization will commit 50 hour of in-kind labor for the construction of the new trail segment to the river

Trout Unlimited. Trout Unlimited will commit up to \$15,000 to the project.

Bureau of Reclamation. The United States Bureau of Reclamation will commit up to \$30,000 to the project

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

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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 1. This application meets the Tier 1 criteria in several ways. Management of the VanTuyl Ranch has been established through a collaborative effort between the City and Colorado Parks and Wildlife. The *VanTuyl Ranch Management Plan* establishes specific objectives directed at protecting the riparian corridor and floodplain functions. Colorado Parks and Wildlife is required by a deed restriction to manage the adjacent river corridor to allow public access and the two entities have collaborated on the development of a public trail system that allows the public to access the Gunnison River.

The Surface Water Quality Classifications and Standards, as established by the State of Colorado for this reach of the Gunnison River include an "Aquatic Life Cold 1" designation and "Recreation E" designation. Rafting and fishing are primary recreation functions and opening the VanTuyl Ranch and the adjacent 1.5 miles of the Gunnison River to public use has significantly increased the amount of public recreation use. This river reach is truly a public treasure with enormous potential.

This proposed project will help advance watershed protection and restoration on this river segment. Emphasis is focused on the enhancement of fluvial system which, in turn, will promote higher riparian and aquatic habitats. The project will also help to advance flood protection by increasing potential storage in the river system's natural floodplain. Enhancement of fluvial system functions will help increase in-stream flows during dry periods and benefit aquifer recharge.

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.

Funding this project will make a significant difference for facilitating an important resource management action. The project is directed at fulfilling objectives of the *VanTuyl Ranch Management Plan* and helping CPW

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fulfill their mission to protect and enhance aquatic (fishery) habitat. Riparian habitat on this reach of the Gunnison River has been degraded over the past 50 years and this project will help reduce that trend. Additionally, the project will ensure that public recreation potential is increased and the project will be implemented in a beneficial and safe manner. Flood mitigation is also a significant benefit.

Investments by CPW and the City to protect and enhance the VanTuyl Ranch and river corridor over the last 20 years have exceeded two million dollars. Significant funds were allocated for the acquisition of the Ranch and river corridor. Colorado Parks and Wildlife and the City expended over \$50,000 combined to develop the *VanTuyl Ranch Management Plan*, and as previously noted, GOCO provided \$50,000 for the plan's development. The adaptive resource management framework of the *Management Plan* is the primary impetus for proposing this grant. Furthermore, during the past four years the City and CPW have worked together to establish easements for public access and have spent approximately \$200,000 for a trail system which now allows easy non-motorized public access to this unique river corridor system.

Neither the City nor CPW have allocated funding in their respective annual budgets for this proposed project. However, both entities have expended enormous funds and services to develop a truly wonderful public open space environment. Colorado Parks and Wildlife may be able to provide in-kind services (riparian restoration expert) and provide some labor and equipment costs for implementation. The City can also provide in-kind labor for the proposed trail segment access to the river. While neither entity can contribute funds under their existing budgets, other partners are available to provide the 20 percent matching funds for this proposed 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.

The proposed project meets the Tier 3 criteria intent statements. Riparian habitat improvements and water-based recreation opportunities will be enhanced as management programs on this river reach are implemented.

The VanTuyl Ranch and this river reach are located in occupied habitat of the Gunnison sage-Grouse. One of the major management objectives being promoted by federal land management agencies and the US Fish and Wildlife Service is to concentrate recreational opportunities adjacent to the city's urban area; the idea is to concentrate activities rather than dispersing activities across the occupied habitat. The public use of the VanTuyl Ranch and this river corridor help to promote this concentrated recreation objective.

Very few river systems in the State of Colorado still sustain agriculture, recreation and domestic water needs to such a high degree of the upper Gunnison basin. Protecting this unique river system provides a significant benefit to all residents and visitors of the state.

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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 proposed restoration of this river reach will not affect any existing applicable water rights.

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

Permitting from the Army Corps of Engineers must be anticipated for the implementation of restoration projects. Floodplain permits from the City of Gunnison and Gunnison County are also anticipated. A wetlands delineation will be required for the spur trail to the Gunnison River that is being proposed in the Scope of Work.

The *Fluvial Geomorphological Assess and River Restoration Considerations report for the Gunnison River near Gunnison, Colorado* (2001) provides a very sound basis for moving forward with resource management actions. The *VanTuyl Ranch Management Plan* (August 2010) is also germane to the proposed fluvial resource management actions being proposed by the CPW and City of Gunnison. The *VanTuyl Ranch Management Plan* can be found on the City's web-site at the following link:

http://www.cityofgunnison-co.gov/Community%20Development/planning_department/planning_documents/vantuyl_ranch_management_plan.pdf

In December 2012 the Upper Gunnison Water Conservancy District (UGWCD) published a study titled *Assessment of Riparian and Aquatic Habitat Associated with the upper Gunnison River, Gunnison County, Colorado*. This study notes that riparian habitat such as that found on the VanTuyl Ranch provides water storage and release; enhances aquifer recharge and helps maintain a high groundwater table; high quality riparian habitat provides stream bank stability and maintains water quality; and, riparian habitat reduces flood impacts. The UGWCD report notes that the VanTuyl Ranch is a high priority area for restoration. The report contains the following statement:

The Van Tuyl Ranch was listed above as an area for conservation but it is also in need of restoration. Based on aerial photographs from 1950 to the present, this area has lost much of its riparian forest and thus some of the functions of a riparian area. To maximize this publicly owned land for these benefits, we recommend the restoration of the riparian community, restoration of active side channels and overland high water flow in this area to maximize the benefits of water storage, aquifer recharge, water quality protection, a productive riverine/fisheries ecology and additional flood protection for the City of Gunnison and downstream.

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**

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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.

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

Signature of Applicant:

Print Applicant's Name:

Project Title: River System Assessment and Restoration – Gunnison River near Gunnison, CO

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 – River Assessment and Restoration of the Gunnison River near Gunnison, CO

GRANT RECIPIENT – Colorado Parks and Wildlife and the City of Gunnison

FUNDING SOURCE – Gunnison River Basin Account

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 NOAA Habitat Restoration Center recommends a program that follows a three-step approach: planning and permitting; design and cost estimate; and construction. This grant application follows this recommended process.

According to the CPW geomorphology study, “Local flooding along the reach has historically been contained by large, concrete-rubble levees constructed on one or both sides of the river. The levees have been extended downstream in response to continued flooding.”

Colorado Parks and Wildlife and the City recognize that floodplain and channel functions have been significantly altered and agree that improving these functions will be beneficial. Because no development will occur on this reach of the river’s floodplain a holistic resource management approach is possible to implement. However, the city requires that a detail assessment of the alternatives be developed and assessed in order to make an informed decision for using the floodplain located in the City owned open space.

River management alternatives will be developed through a comprehensive review and implementation program using a four-step approach: 1) stream reach survey data collection; 2) definition and assessment of alternative action options to develop preferred alternative(s); 3) development of project designs and detailed cost estimates; and, 4) implementation.

OBJECTIVES

There are four main objectives of the project.

Survey work will provide data required to identify factors contributing to sediment scouring and bedload aggradation. Survey data is considered essential to ensure that preferred alternative actions may occur without adversely impacting the long-term channel functions degrade riparian habitat or endanger structures located downstream from the City’s open space area.

Preferred alternatives actions will enhance the fishery habitat. Features such as habitat structures that can withstand high velocities during peak flow are to be considered. Alterations of the channel geometry will also provide benefits for rafting and kayaking enthusiast.

Preferred alternative actions to be implemented may include the removal of levees in order to break the scouring and aggradation caused by the levees. It is the desire to make alterations that will promote inundation by high frequency flood events while providing protection to citizens and structures during high volume events. The resulting actions should play a significant role in flood protection and mitigation.

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TASKS

Provide a detailed description of each task using the following format

TASK 1 – Existing River Channel Conditions Survey

Description of Task 1.

This project will follow study recommendations established in the CPW 2001 geomorphology report recommendations. The contexts of those recommendations are noted below.

1. Survey cross sections at intervals frequent enough to adequately describe the dimensions, pattern and profile of the project reach based on the selected alternative and channel dimensions.
2. Develop a new the channel profile survey extending both upstream and downstream of the established by the CPW geomorphology report.
3. Locate a reference reach from which to develop a template of functional bankfull channel geometry parameters including bankfull channel cross sectional area, surface width, and depth.
4. Obtain pertinent, available hydrology data for peak flow frequency and flow duration analysis.
5. Collect particle size data on bed materials through bulk sample and/or pebble counts methods. Bed material information will identify the size range of material that has been scoured and deposited and denote material size remaining in those reaches that have already been scoured. This information can then be used, together with an analysis of flows, to determine the potential for additional scour and the size of material from which to construct fishery enhancement or grade control structures.
6. Install passive monitoring devices including bank erosion pins and scour chains on banks upstream of restored or enhanced reaches in order to monitor areas identified as active or potential sediment sources so that stabilization steps may be taken to protect restored areas.

Task 2 Method/Procedure.

Section and Profile Survey. Survey data will identify features including edge of water, bankfull indicators, thalweg, top of bank, edge of vegetation (grasses, shrubs and trees) and identifiers of large rock and man-made features. At least five cross sections will extend onto the floodplain far enough to delineate terrace features and width at twice bankfull depth. End points should be marked with permanent, capped re-bar stakes marked width tags indicating identification number, date of survey and names of surveyors.

River Segment Reference Assessment. The assessment will evaluate a river reach with minimal human disturbance in order to assess fluvial functions and channel geometry. A potential location may located upstream from the VanTuyl Ranch. However, it would be beneficial to assess a reach located adjacent to a stream gage in order to correlate bankfull geometry with discharge.

Particle Size and Bulk Sample Data. On coarse-bed stream channels, the bulk sample may require several hundred pounds of material in order to determine grain size of the larger sizes in the sample. Therefore, this 5-gallon bucket method may be used in conjunction with a bed-surface pebble count.

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A “Wolman” type pebble count method, or an equivalent, will be used for this project. In the Wolman method, typically 100 individual particles are taken from the stream bed and the intermediate axis of each particle is measured with a ruler or other measuring device.

Erosion and Scouring Measures. Very elementary systems will be used to assess erosion and scouring. Typically bank erosion can be measure by installing a reference rebar stake and seasonal measurements can be conducted. Scouring will be assessed by using a scour chain placed in the channel.

Task 2 Deliverables.

Task 1 will result in a field reconnaissance report with detailed channel sections and profile data. Report details will also include a description of a river segment reference to be used for describing bank-full conditions. Furthermore, bulk data describing bedload material characteristics will be included in the field reconnaissance report. The placement of scour chains and rebar reference points for measuring bank erosion rates will also occur during Task 1.

TASK 2 – Develop Alternatives and Identify Preferred Alternatives

Description of Task 2.

Task 2 will use the established field reconnaissance data to develop a list of alternative project actions that may be implemented. It is anticipated that certain obvious actions such as stream bank stabilization will be included. However, other more complex restoration actions also will be considered.

All proposed alternative actions will be subject to a prioritization matrix directed at considering implications resulting from each action. The matrix will include several factors to eliminate proposed actions. Obvious factors to be used in this matrix include, but are not limited to the following:

- costs
- effects on existing water rights
- impacts to existing agriculture operations
- effects upon recreation activities to include fishing and boating
- increased flood potential both on the ranch and for properties downstream from the Ranch

Task 2 will also include a public outreach component. Outreach will involve two public meetings as well as individual interviews will stakeholders. Stakeholders will include adjacent property owners, Upper Gunnison River Water Conservancy District, Gunnison County, Trout Unlimited, commercial rafting operators, Gunnison Trails, Mr. William Goddard, CPW and the City.

The proposed alternatives will be presented at a final workshop with CPW representatives, City policy leaders and interested stakeholders. The Task 2 process will conclude with the selection of a preferred alternative or a hierarchal list of preferred alternative actions that are mutually agreeable to the CPW and the City.

Task 2 Methods and Procedures

- A. **Individual Stakeholder Meetings.** It anticipated that up to 10 individual stakeholders will be contacted to discuss the potential action alternatives.
- B. **Community Meeting 1.** A community meeting will be held to present the field assessment data and existing issues affecting the river system function. The presentation will also include an overview of potential alternative actions being considered for implementation.

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- C. **Community Meeting 2.** While the second community meeting will be held in a public forum, its primary purposed is to present alternatives to elected officials and CPW representatives.

Task 2 Deliverables

A report summarizing alternatives, along with a detailed description variables used to filter alternatives will be included in the report. Ultimately the report will provide a broad summary of preferred alternative(s) to be considered for engineering design and permitting.

TASK 3 – Project Design and Detailed Cost Estimates

Description of Task 3.

Without completing Task 1 and Task 2 it is somewhat difficult to describe design functions but, it is possible that the design may include actions such as stream bank restoration and stabilization and channel rehabilitation. Channel rehabilitation will require very detailed design including hydraulic analysis and scour modeling of the proposed channel rehabilitation.

Cost estimates including material, labor and permitting fees will be established for each of the proposed alternatives.

Task 3 Methods and Procedures

Designs for channel rehabilitation projects will be developed by specialists in the fields of hydrology, hydraulic engineering, geomorphology and ecology. Construction-level drawings will be required for each preferred alternative.

Task 3 Deliverables

Deliverables will include the submittal of two hard bound copies of the design drawing. Additionally, an electronic copy of the final drawing will be provided. The electronic drawing will be developed and delivered in an AutoCad® format. Detailed costs estimate sheets will also be included in the deliverable package.

TASK 4 – Proposed Action Implementation

Description of Task 4

This task includes physical improvements to address the areas of degradation, improvements to diversions within the river channel, and improved access to the Gunnison River.

The first improvement will be treatment of the stream bank and riparian area by seeding/mulching exposed soils and planting 200 sapling trees. This project will be implemented as a community volunteer day. Participants may include students from the local schools and Western State College, Gunnison Trails and other local non-profit organizations.

Removal of the large gravel bar at the Wilson Creek headgate will eliminate further downstream sediment deposition. Improvements to the Piloni Ditch diversion will benefit the river system by eliminating sediment loading.

Installation of a spur trail from the existing VanTuyl Ranch trail to the Gunnison River as recommended by the City's *VanTuyl Ranch Master Plan* and the *Pedestrian and Non-Motorized Transportation Plan* will also support the CPW mission to ensure recreational access.

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Task 4 Methods and Procedures

The tree planting and revegetation project will be fairly straight forward. CSU extension and/or local ecologists at Western State College will be asked provide a recommendation of tree types indigenous to the basin's riparian area. Species will likely include cottonwoods, willows, and Douglas fir. A community work day may be focused on a special event such as Arbor Day or Earth Day.

Permitting by the Army Corps of Engineers and a wetlands delineation will be required for the spur trail.

Improvements to the Wilson Creek and Piloni Ditch headgates will likely require significant channel improvement structures. Design and construction of these structure will be expensive and this grant will help to understand the details and costs for such improvements.

Task 4 Deliverables

Revegetation of the concrete rubble area and riparian corridor by planting saplings will occur.

Design and cost estimates for these headgate modifications on the Gunnison River at Wilson Creek and the Piloni Ditch will be provided.

The spur trail and Wilson Creek bridge will be completed. The goals of the City and local recreation enthusiasts to gain access to public lands will come closer to realization with the spur trail to the Gunnison River.

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. Tasks should correspond to the tasks described above.

Total Costs				
	Labor	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 - Channel Survey	\$ 6,000			\$ 6,000
Task 2 – Establish Preferred Alternatives		\$ 22,000		\$ 25,000
Task 3 – Design and Costs Estimates (\$50,000/river mile)	\$150,000		\$25,000	\$150,000
Task 4 – Revegetation Project	\$ 3,000	\$ 2,000	\$2,000	\$ 5,000
Task 4 – Wetlands Delineation	\$ 3,350			\$ 3,350
Task 4 – Design for Improvements to Piloni diversion		\$ 19,650		\$ 19,650
Task 4 – Removal of gravel bar	\$ 10,000		\$10,000	\$ 10,000
Task 4 – Trail Extension to river	\$ 4,000		\$5,000	\$ 16,650
Total Cash	\$176,350	\$ 43,650	\$45,000	\$220,000
In-Kind/Contributions				
Colorado Parks and Wildlife equipment and labor	\$ 5,000	\$ 15,000		
City of Gunnison – Revegetation	\$ 3,000	\$2,000 Material/Equip		
Community Volunteers – revegetation project (20 people/\$20 per hr/8 hours)	\$ 1,600			
Gunnison Trails, (50 hours labor)	\$ 1,000			
In-Kind Totals	\$10,600	\$17,000		
Budget Summary				
Total Grant Request	\$220,000			
Total Match Funds	\$ 45,000			
Total In-Kind Contribution	\$ 27,600			
TOTAL PROJECT VALUE	\$292,600			

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.

Preliminary Schedule

Task	Start Date	Finish Date
1	June 30 2013	September 1, 2013
2	September 15, 2013	December 15, 2013
3	January 2, 2014	April 1, 2014
4	June 15, 2013	June 30, 2013

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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.

Exhibit B Project Map

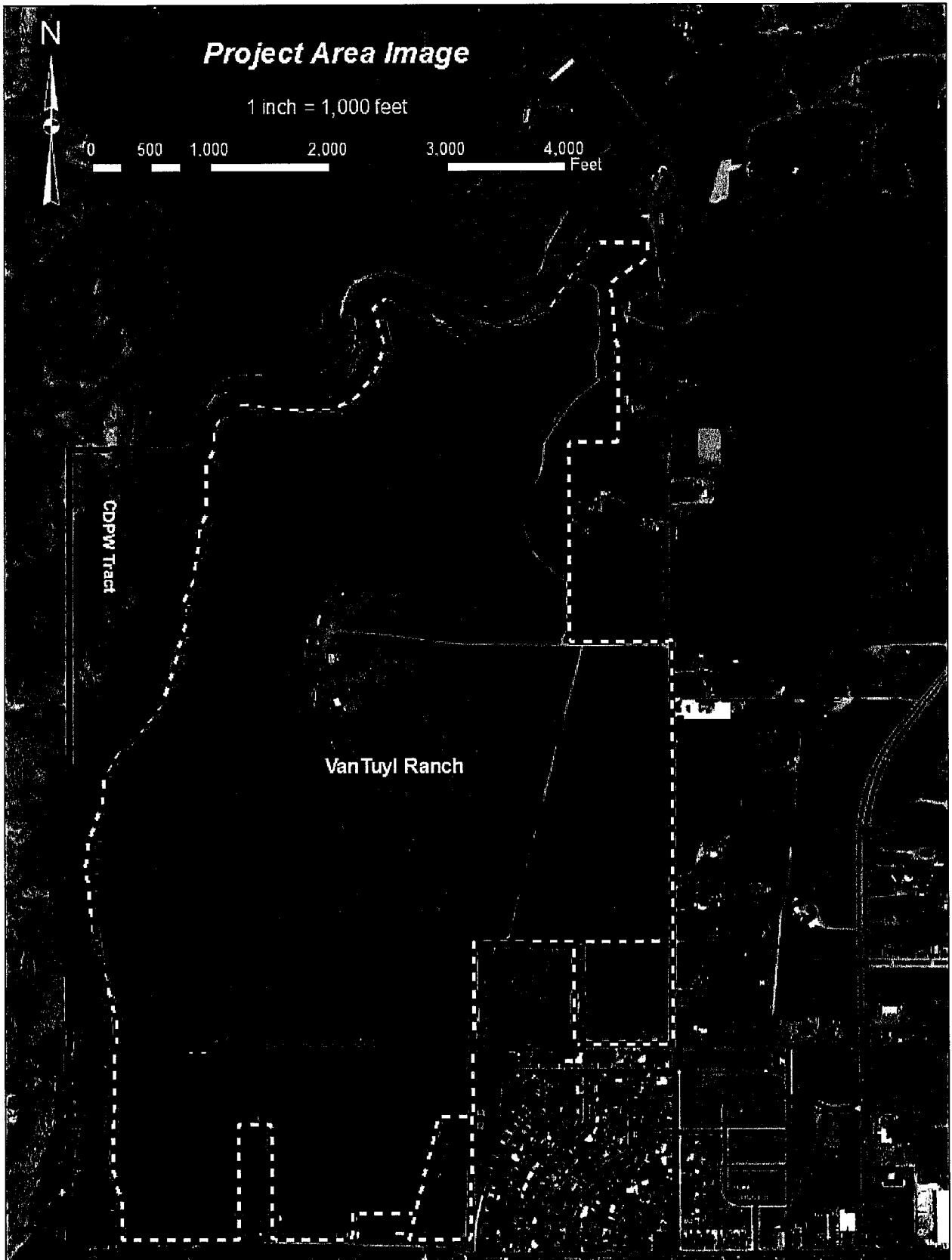


Exhibit C

As needed (i.e. letters of support, photos, maps, etc.)

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>
- National Oceanic and Atmospheric Administration (NOAA) Habitat Conservation Restoration Center:
 - <http://www.habitat.noaa.gov/restoration/techniques/srrestoration.html>
 -

○ **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

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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 CWCBS 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>

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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.



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

NORTH FORK OF THE GUNNISON RIVER CORRIDOR PROJECT

Name of Water Activity/Project

DELTA CONSERVATION DISTRICT

Name of Applicant

Gunnison Basin
Roundtable

Amount from Statewide Account:

\$30,000

Amount from Basin Account(s):

\$4,600

Total WSRA Funds Requested:

\$34,600

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):	DELTA CONSERVATION DISTRICT		
	Mailing address:	690 Industrial Blvd Delta, Colorado 81416		
	Taxpayer ID#:	84-6010950		
	Primary Contact:	RALPH D'ALESSANDRO	Position/Title:	Vice President
	Email:	rdinca@yahoo.com		
	Phone Numbers:	Cell: (970) 314-5355	Office:	(970) 874-5726 x121
	Alternate Contact:	David Carey	Position/Title:	Manager
	Email:	david.carey@co.nacdnet.net		
	Phone Numbers:	Cell:	Office:	(970) 874-5726 x121

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 Delta Conservation District (DCD) is a political subdivision of the State of Colorado and its authorities, powers and structure are contained in Colorado Revised Statutes, Title 35, Article 70. The District, initially known as the Delta Soil Conservation District, was organized in 1951 in compliance with the Colorado Revised Statutes and received a certificate of organization from the Colorado Secretary of State. Water quality and quantity, including riparian habitat, are areas of concern within the District's statutory mandate. The DCD has Weed Control and Management as one of its Natural Resource Goals and Objectives in its 2011-2013 Long Range Plan. In 2011 the DCD partnered with Delta County, through its weed coordinator, and the NFRIA-WSERC Conservation Center (NWCC) to conduct an invasive weed survey and removal project on approximately 2 miles of riparian land in two contiguous conservation easements (The Curry Easements) in the area of a former in-stream gravel mine. The DCD's 2012 Annual Plan of Work continues to address noxious weeds in multiple ways, including seeking funding to utilize for weed control and to support the county weed control program. The funding sought for this project is one part of the DCD's Annual Plan of Work. The removal of invasive Tamarisk and Russian olive along riparian areas are of especial importance in controlling invasive weeds because of the spread of seeds by river transport along the entire North Fork River corridor. This project will continue the District's earlier work.

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

N/A

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

☒

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

☐

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

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

There are no relevant TABOR issues.

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Part II. - Description of the Water Activity/Project

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

- | | |
|--|--|
| <input checked="checked" type="checkbox"/> | Nonconsumptive (Environmental or Recreational) |
| <input type="checkbox"/> | Agricultural |
| <input type="checkbox"/> | Municipal/Industrial |
| <input type="checkbox"/> | Needs Assessment |
| <input type="checkbox"/> | Education |
| <input type="checkbox"/> | Other |

Explain:

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

The GIS mapping and consolidation of river diversions and return flow data will provide needed data for future agricultural projects (consumptive) and water efficient use projects. The GIS mapping of invasive locations along the length of the North Fork of the Gunnison River corridor will provide the data needed to define a river corridor long eradication program that will reduce seed flow down the corridor and into the main branch of the Gunnison River. This will continue the previously funded Paonia River Park project, extending the invasives survey upstream to the Paonia Reservoir Dam and downstream to the confluence of the Gunnison River. An educational tool for invasives removal will be developed and community and private landowner educational sessions will be conducted focused on eradication and control of invasives. Additional problem areas needing attention along the 37 mile length of the river corridor will be identified. A public access guide to the river for river recreation will be published and disseminated.

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

- | | | | |
|--|-------|--------------------------|----------------|
| <input checked="checked" type="checkbox"/> | Study | <input type="checkbox"/> | Implementation |
|--|-------|--------------------------|----------------|

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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)

37miles

Other -- Explain:

A complete report on the river corridor will be provided that will provide a plan to restore the entire length of the North Fork.

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

Latitude:

N 38° 52' 29"

Longitude:

W 107° 35' 45"

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 is located within environmental segment 6 on the North Fork of the Gunnison River stretching above the Town of Paonia upstream to the Paonia Dam and downstream from Paonia to the confluence with the Gunnison River. The previously funded Paonia River Park project focused on an approximately 19 acre area above the Minnesota Creek along both sides of the North Fork of the Gunnison to survey and identify Tamarisk and other invasive species, mechanically eradicate invasives, herbicidally treat the area, remove regrowth and provide native revegetation as required. The Western Colorado Conservation Corps (WCCC) will do mechanical eradication of Tamarisk and Russian Olive trees, including herbicide application with assistance from the Delta County Weed Coordinator. The DCD will continue to partner with NWCC on this project for which funding is currently being sought. An educational tool based on the earlier work will be developed to inform the landowners about the project and facilitate extending the project to the Paonia Dam and downstream toward the confluence with the Gunnison River.

The initial phase of the current project for which funding is requested will build on the Paonia River Park project and extend the project area upstream to the Paonia Reservoir Dam and downstream of the Paonia River Park to the confluence of the Gunnison River. Part of the private land to be surveyed includes that owned by the Oxbow Mining LLC. The Phase I survey will run in parallel with the prior funded project's survey work. The survey results will define the need, the required effort and the size of the invasive removal project above the River Park to the dam and between Paonia and the confluence with the Gunnison River. The survey will also verify or obtain GPS data for key components of previously completed river surveys. Our team will leverage the success of the Paonia River Park project and this project's study work to seek separate grant funding to continue the removal of invasive weeds along the entire length of the North Fork of the Gunnison River.

Phase II will develop a GIS database incorporating data obtained during Phase I, the River Park project and all critical information contained in completed North Fork River surveys (DCD's ditch mapping project, NFRIA's North Fork watershed plan, NWCC's River Study – Paonia Reservoir to Paonia). The project will use ArcGIS software for this effort.

Phase III will complete area-wide invasive weed removal educational meetings, complete educational meetings on North Fork of the Gunnison River public access, publish a public access guide, and compile the project final report.

Matching funding is sought from the Gunnison Basin Round Table in the amount of \$4600. Volunteer participation by the NWCC and DCD and project management will complete the matching funding.

Part III. – Threshold and Evaluation Criteria

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

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Reserve Account Criteria and Guidelines.)

The proposed project, “North Fork of the Gunnison River Corridor Project,” meets the criteria established in Senate Bill 06-179, as an Eligible Water Activity. Phase I will extend the previously funded project area north of the Paonia River Park to the Paonia Reservoir Dam and downstream to the confluence with the Gunnison River by completing a survey identifying the invasive species, density and size on the river bank. The survey results will size the project area north and south of the River Park. Phase II will develop a GIS database incorporating data obtained during Phase I and the prior funded project and all critical information contained in completed North Fork River surveys. The project will use ArcGIS software for this effort. Phase III will complete area-wide invasive weed removal educational meetings, complete educational meetings on North Fork of the Gunnison River public access, publish a public access guide, and compile the project final report.

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

The proposed project will proceed from the foundational principle that the water rights of any landowner or irrigation company will not in any way be superseded, abrogated, or otherwise impaired or affected by invasive removal and surveying efforts, GIS mapping of this project.

- 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.

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 project will include the removal and survey of invasive weeds, the mapping of river diversions and return flows, the consolidation of prior river studies, the publication of a public river access brochure, and the completion of an industrial/municipal diversion modification study, all of which will have no impact on any water rights, while increase the public's nonconsumptive use of the river corridor. Therefore, the project meets Section 37-75-104(2) C.R.S..

- 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)

The total project funding request is \$34,600. \$4,600 of the funding request is from the Gunnison Basin Roundtable and \$30,000 is from the statewide account. The in kind match is 29.7 percent. The Basin Fund match portion by itself is 13.3 percent. The total in kind and Basin Fund match is 43 percent. The total match of the request from the Statewide Account is 51.3 percent.

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.**

Relative to the Tier 1, the number and different types of entities represented in this application include a major local industry (Oxbow Mining LLC), the local conservation district (DCD), a local conservation center (NWCC) concerned with river health, non-profit organizations (Tamarisk Coalition, Colorado Canyons Association, Black Canyon Land Trust) committed to invasive control in riparian corridors, the local governmental weed control program (Delta County Weed Control Coordinator), a local youth conservation organization (Western Colorado Conservation Corps – Grand Junction branch)), a local recreational river use organization (Paonia Kayak Club) and the local chapter of a national fishery organization (Trout Unlimited). The project will promote cooperation and collaboration among the Oxbow Mine, a traditional consumptive water user and multiple organizations with non-consumptive interests, including the Paonia Kayak Club, Trout Unlimited, NWCC, Black Canyon Land Trust, Tamarisk Coalition, Colorado Canyons Association and the fishing and boating public. The project will address needs identified in the North Fork of the Gunnison Watershed Assessment.

Relative to the Tier 2, receiving funding for this project will enable the North Fork of the Gunnison River Corridor Project to proceed and address multiple issues affecting the health of the river corridor while promoting greater public awareness and greater public recreational access to the river.

Relative to the Tier 3, funding of this project will help sustain agriculture and facilitate irrigation companies in applying for federal assistance funds for wise water use to decrease salinity and, where applicable, selenium loading in the watershed by making available accurate GIS data. Removal of invasive species along the river corridor will help preserve the available water for agricultural use. The removal of invasive species along the river corridor will assist in the recovery of threatened and endangered wildlife species or Colorado State species of concern. Funding the project will provide a great return for the investment by benefiting an entire river corridor, afford the opportunity to educate landowners about invasive eradication and control, and provide the public with a tool to create greater awareness of public access points and to the river corridor. Funding this project will have a multiplier effect by complimenting the implementation of the River Park project, previously funded under the Gunnison Basin Roundtable CWCB program.

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

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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.

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.

N/A – for the non-consumptive use portion of the project.

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

The project will integrate the results of three prior studies, including the Delta Conservation District's ditch mapping project locating and GIS mapping irrigation ditches in the District, NFRIA's North Fork of the Gunnison Watershed plan identifying priority needs for the river corridor and the NWCC River Study-Paonia Reservoir to Paonia study of river features and private landowners.

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.

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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.

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

Signature of Applicant:

Print Applicant's Name: RALPH D' ALESSANDRO

Project Title: North Fork of the Gunnison River Corridor Project

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

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COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Relief Ditch Diversion Modification Construction

Name of Water Activity/Project

Trout Unlimited

Name of Applicant

Cary Denison, Gunnison
Basin Project
Coordinator

Amount from Statewide Account:

\$40,000

Amount from Basin Account(s):

\$10,000

Total WSRA Funds Requested:

\$50,000

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)

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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):	Trout Unlimited		
	Mailing address:	239 Grand Avenue, Delta CO 81416		
	Taxpayer ID#:	38 1612715		
	Primary Contact:	Cary Denison	Position/Title:	Project Coordinator
	Email:	cdenison@tu.org		
	Phone Numbers:	Cell: 970-596-3291	Office:	970-874-0596
	Alternate Contact:	George Osborn	Position/Title:	Project Manager
	Email:	gmosbo@tds.net		
	Phone Numbers:	Cell: (970) 433-5649	Office:	(970) 872-3564

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

Trout Unlimited (“TU”) is the nation’s leading cold water conservation organization with more than 150,000 members across the United States including 230 members in Delta, Montrose, Ouray, and San Miguel counties represented by the local TU chapter of Gunnison Gorge Anglers (GGA). TU is dedicated to projects that protect, reconnect, restore and sustain fisheries. In this effort we lead and collaborate in projects like the Relief Ditch Irrigation Modification Project which will benefit the health of the river as well as the water users. Trout Unlimited has been integral in projects across the West where they have partnered with ranchers and farmers on pragmatic on-the-ground restoration projects that show that working landscapes and fish can be successful.

Trout Unlimited’s Gunnison Basin Coordinator, Cary Denison, has more than 12 years of experience with irrigation water management and stream restoration projects in the Gunnison Basin. He was the project lead for the Hartland Dam Modification project from April of 2010 through March of 2011.

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.

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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.

This project addresses multiple purposes by modifying and improving an antiquated diversion and delivery system while improving critical habitat for species of special concern in the Gunnison River. This project will also meet recreational needs by removing a boater hazard in a heavily used section of the Gunnison River within the Gunnison Gorge National Conservation area. Furthermore this project will serve downstream users by reducing sediment loading caused by eroding banks and annual instream disturbances at the diversion site.

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:

38deg. 46' 17"N

Longitude:

107deg. 53' 19"W

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.

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Project Description

The Relief Ditch, the #5 priority on the Gunnison River, diverts irrigation water from the south side of the river approximately 5 miles upstream of Austin and 4 miles downstream of the confluence with the North Fork River. This ditch was adjudicated in 1903 and appropriated in 1890 and is decreed for 51 cfs for irrigation use on more than a 900 acres of agricultural land east of Delta. The current diversion structure consists of a gravel and cobble push up dam marked with steel railroad rail driven into the riverbed and an antiquated diversion control structure located 400 feet down from the mouth of the diversion. The dam, which is rebuilt annually by heavy equipment, impacts riparian health by creating a barrier to fish migration and a hazard to boaters among other impairments. This diversion modification project will replace the pushup dam with permanent diversion and grade control structures and will equip the ditch with a modern headgate as well as rehabilitate the eroded riverbanks at the diversion. The implemented design will reduce fish loss in the canal, reduce sedimentation from eroding banks, improve the management of the Relief Ditch, and restore impaired habitat along the Gunnison River.

Trout Unlimited feels that it is important to highlight that this is a funding request for the implementation of a design that was in part funded through the WSRA process in 2011. Furthermore it should be pointed out that this effort is a joint effort from the Irrigation Company and Trout Unlimited and that considerable amount of time and labor will be expended by both organizations in the construction and adaptive management phase. The Relief Ditch Irrigation Company, like many ditch companies, is not in a financial situation that allows them to make considerable financial contributions to projects of this nature which is in part the reason the diversion is in its current state. Without funding support from outside sources these important water resource projects will fail.

Design

The diversion modification design will replace the push-up dam with two cross stream structures that will divert water into the ditch while keeping high velocities centered in the river channel. The project will move the diversion point upstream approximately 150 feet,

At this time the final design has been completed by Jeff Crane of Crane and Associates and reviewed and stamped by Brad Florentin a member of the engineering team at FlyWater Engineering. Along with the design the team provided an engineering report describing estimated construction costs. The design is based on the selected alternative which is based off of three alternatives originally evaluated by the project stake holders. The design process was in part funded by funds from the Gunnison Basin Roundtable. The design and construction documents are being reviewed for structural integrity by McLaughlin White Water Engineers.

Implementation and Rehabilitation

Construction of the cross stream low head diversion structure and a cross stream low head grade control structure will include placement of large, 3 foot to 4 foot diameter, boulders into the river bed. The placement of these rocks will be done in specific elevations and in a manner that will allow for diversions at all flow regimes. These cross-stream structures will also protect the riverbed from head cutting and unnatural channel migrations during high water events. Between the cross stream structures large boulders will be placed in a pattern that will roughen flows which reduce velocities near river bed elevation which eases fish passage through the structure.

The nearly a full acre of eroded and impaired river banks adjacent to the diversion will be filled with soil, rock, root wads, and native riparian vegetation in a manner that will stabilize banks and support native riparian vegetation growth.

The stream banks below the dam and the near the existing diversion have been eroded during past high water events and through human impacts during diversion construction and maintenance work. These areas will be rehabilitated through willow staking and placement of willow wattles.

A new concrete diversion structure will be constructed at the point of diversion. This structure will include a modern headgate and waste gate that are designed to be operated via automated controls. These controls

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will reduce annual expenses from the Relief Ditch Irrigation Company and will improve management of the water right.

The restoration effort includes a two year monitoring and adaptive management phase after initial project construction. During this critical effort the performance of the diversion as well as the rehabilitation work will be monitored and fine tuned as needed. Trout Unlimited, along with other supporting stakeholders, are **not** requesting funding from the Gunnison Basin Roundtable for this effort.

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
 - 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.

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.
- 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.

1. Tier 1- Promotes Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs:
 - A. This project is being forwarded with the cooperation and assistance from the Relief Ditch Irrigation Company, the Bureau of Land Management, Colorado River Conservancy District, Trout Unlimited, Federation of Fly Fishers, North Fork River Improvement Association, and Grand Valley Anglers and others to meet multiple demands and water needs. This is evidenced by letters of support attached to the application and funding and in-kind donations to the project.
 - B. This project will meet both consumptive and non consumptive needs by improving habitat, safety, and diversion control.
 - C. Implementation of this project will meet the needs identified by the Gunnison Basin Roundtable by improving an identified non-consumptive use reach, protecting agriculture and open space, and protecting a senior water right.
2. Tier 2- Facilitating Water Activity Implementation:
 - D. A critical piece of the success of this project, like any other restoration project, is long term monitoring or adaptive management of the project. By funding the construction effort the Roundtable and CWCB can
 - E. By receiving funding for the implementation the applicant can assure that the project serves its goals and assures other funders that their investment is sound.
 - F. Numerous sources, including the Relief Ditch Irrigation Company, are providing direct contributions and important in-kind donations for this project.
3. Tier 3-Project Provides Statewide Value:
 - G. The implemented project will help the Relief Ditch Irrigation Company by reducing annual expenses associated with maintaining the diversion and building the diversion dam.
 - H. Removal of the pushup dam and steel rail in the river will reduce the hazard for boaters and will improve the recreational experience in this popular recreation area.
 - I. The new diversion structure will be equipped with a staff gauge and rated flume down-ditch of the headgate which will assist in administrative demands including accurate record keeping of diversions.

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- J. Populations of Roundtail Chub and Flannelmouth and Bluehead Suckers will be protected from entrainment in the canal and will benefit from the restoration and reconnection of habitat which will address native species concerns in the Gunnison and Colorado Rivers.
- K. This project provides a high level of benefit to Colorado in relationship to the amount of funding requested for the water activity that the adaptive management will be protecting. The overall cost of construction is estimated to cost \$750,000 and the adaptive management phase which will make sure the project is successful will only cost \$40,000.
- L. Implementing this project will add on to the Hartland diversion modification project that was funded by the CWCB. The Relief Ditch will compliment and assist that successful fish passage project thereby ensuring that the Three Species will be able to access the entirety of the available habitat in the Gunnison River

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.

Water Rights: Relief Ditch

Decreed for 51 cfs total absolute

Water Rights – Transaction Summary

CA0374 1903-02-25 1890-03-15 18729.14684 0 5 50.0 CFS S 1 P148

W2762 1903-02-25 1896-08-16 18729.17030 0 1.0 CFS S,TT 1 CAW2762 Transferred FROM CHOSEN VALLEY DITCH 2/3/1976

Availability: The Relief Ditch Irrigation Company has maintained access and control of this absolute water right for beneficial use in irrigation.

Sustainability: This project will improve the Relief Ditch Irrigation Company's ability to maintain the diversion and sustain, measure, and control the water right in the future.

Water Source: Water diverted from the Gunnison River below the confluence with the North Fork of the Gunnison. This water right has not been subject to administration from a downstream call. This section of the River is critical habitat for native fish as well as non-native trout that are important to the local recreational economy.

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

The Army Corps of Engineers has determined that the proposed work is exempt from Section 404 of the Clean Water Act under the Irrigation Ditch Exemption. (See Attached Letter)

The stakeholders are applying for a floodplain construction permit from Delta County and anticipate that there will be no difficulty in this process because the project will lower the high water line.

The Bureau of Land Management is completing an Environmental assessment for the project which is anticipated to be completed in June.

The applicants are in the process of obtaining the necessary dewatering and construction permits from the Colorado Department of Health and Environment.

Exhibit A
Statement of Work

WATER ACTIVITY NAME – Relief Ditch Diversion Modification Project

GRANT RECIPIENT – Trout Unlimited

FUNDING SOURCE - CWCB

INTRODUCTION AND BACKGROUND

The Relief Ditch diverts water from the Gunnison River at a point approximately 4 river miles downstream from the confluence with the North Fork and 5 river miles from Austin. The diversion, which is located on BLM land within the National Conservation Area, consists of a large cobble push up dam that is constructed annually through in-channel operation of heavy equipment. This dam is marked on the upstream face of the dam by steel rail-road rails driven vertically across the river that extend into the waterway and present a considerable hazard to river users. The dam, its annual construction and the antiquated diversion structure create numerous habitat impacts that will be alleviated by the implementation of the design. Included in these impacts are downstream sedimentation, bank erosion, channel instability, entrainment of fish in the ditch, lack of control of the diversion, and annual disturbances to the river and riparian area.

The selected design is a design selected by the Relief Ditch Irrigation Company, project stakeholders and design engineers. This selected structure will permanently replace the push up dam and remove the need for in-stream construction and will rehabilitate the impaired riparian zone near the diversion. Additionally, the project will improve controls by allowing the water users on the Relief Ditch to control water at the point of diversion rather than down ditch. The design that was developed by Crane and Associates has been evaluated by FlyWater Engineers and is being further evaluated by McLaughlin Whitewater Engineering. An Environmental Assessment is being prepared for this project by the BLM. This process is scheduled for completion in June of 2012.

OBJECTIVES

1. Goals of the project:

- Maintain Relief Ditch Irrigation Company's access to senior water right
- Decrease annual maintenance and in-stream disturbances.
- Increase habitat connectivity
- Increase river system stability by returning the river morphology to a more natural state
- Protect adjacent landowner from loss of property
- Restore degraded stream banks
- Remove a hazard to boaters

2. Project Benefits

The project benefits include ecological, socioeconomic, and landowner rights benefits:

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- Maintain agricultural water availability by insuring access to diversions
- Improve habitat for aquatic species including native and non-native fish
- Remove the fish migration barrier
- Increase biodiversity (i.e., healthy fish populations lead to increased raptor and mammal populations that depend on fish)
- Improve invertebrate populations
- Remove a hazard to boaters and recreational river users
- Improve control of diversions

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Water Controls and Measurement

Description of Task

Construction and design of headgate, sluice gate, trash rack, and measurement controls for the modified diversion structure on the Relief Ditch diversion.

Method/Procedure

Project stakeholders will hire a professional welder and engineer to design and manufacture the necessary control structures and rate the diversion flume for water measurement and control purposes.

Deliverable

These structures will be installed on the new diversion structure by the construction contractor. These products will allow for management of the water right as well as accounting for diversions. The rated diversion flume will provide accurate diversion information for the ditch company as well as the State Engineers Office.

TASK 2 – Administration

Description of Task

Administration of tasks related to construction expenses including financial reporting, audits, legal expenses, payroll and general accounting.

Method/Procedure

Trout Unlimited and project stakeholders have hired a professional accountant to complete this task and will use these funds to complete other related expenses.

Deliverable

Grant reporting, payroll and general accounting services for this \$920,000 project

TASK 3 – Construction of Diversion

Description of Task

This task is limited to constructing a cross river rock weir that will divert water into the Relief diversion. This task will include placement of large boulders in the riverbed in a manner that allows the Relief Ditch Irrigation Company the ability to access their full decree at all expected flows while not damaging the surrounding river banks.

Method/Procedure

The selected contractor will use heavy equipment to move and place the large boulders in a manner specified by the design engineer team.

Deliverable

Task 3 will provide a diversion structure for the irrigation company that will replace the pushup dam.

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

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Total Task Budgets

Item Expense	Project Manager	Material	Project Accountant	Project Engineer	Heavy Equipment	Labor	Total Costs
Task 1 -Controls	\$1,000	\$4,200		\$3,000		\$4,000	\$12,200
Task 2 - Administration			\$10,500				\$10,500
Task 3- Construction	\$5,000	\$15,000		\$5,000	\$35,000	\$5,000	\$65,000
Total Costs	\$6,000	\$19,200	\$10,500	\$8,000	\$35,000	\$9,000	\$87,700

Match for per tasks

Item:	Labor	Materials	Equipment/ Supplies	Cash	Total
Units:					
Unit Cost:					
Task 1 -				\$4,200	\$4,200
Task 2 -				\$3,500	\$3,500
Task 3-		\$15,000 rock		\$15,000	\$30,000
Total Units:					
Total Cost:		\$15,000	\$15,000	\$22,700	\$37,700

In-Kind Labor Contributions

Project Personnel: Hourly Rate:	TU staff/\$30hr	TU Volunteer/ \$30		Total
Task 1 -	40	40		80
Task 3 -	100	100		200
Total Hours:	140	140		
Total Cost:	\$4200	\$4200		\$8400

Budget Summary for Roundtable WSRA Funding Request

Task	Funding Item for Request WSRA	TOTAL Request (\$)	IN-KIND/Match (Including Labor and \$)	Totals (\$)
1	Material, Engineering and design labor	8,000	4,200	12,200
2	Administrative Labor	7,000	3,500	10,500
3	Engineering, labor, equipment time for construction	35,000	30,000	65,000
TOTALS		50,000	37,700	87,700

Draft Construction Budget

Construction Budget Relief Ditch Diversion Modification

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Funding Agency	Amount	Type	Status	Percentage
Colorado River Water Conservation District	\$90,000	Cash	Secured	10%
Walton Family Foundation	\$35,000	Cash Match	Secured	4%
Federation of Fly Fishers	\$750	Cash Match	Secured	0.08%
Gunnison Gorge Anglers	\$5,000	Cash Match	Secured	1%
Relief Ditch Irrigation Company	\$3,400	Cash Match	Pledged	0.37%
Grand Valley Anglers	\$2,000	Cash Match	Secured	0.22%
CWCB-SCTF	\$500,000	Cash Match	Requested	54%
Gunnison Basin Roundtable	\$50,000	Cash Match	Request	5%
CDPW Fishing is Fun Grant	\$80,000	Cash Match	Secured	9%
Gunnison Gorge Anglers	\$20,000	In-Kind Match	Pledged	2%
Trout Unlimited	\$25,000	In-Kind Match	Pledged	3%
Bureau of Land Management	\$35,000	In-Kind Match	Pledged	4%
US Fish and Wildlife Service	\$75,000	Cash Match	Requested	8%
Total	\$921,150			100%
Construction Expense Budget				
<u>Task</u>	<u>Amount</u>			
Mobilization & De-Mobilization	\$10,000.00			
	\$120,000.0			
Best Management Practices	0			
	\$140,000.0			
Channel Reclamation	0			
	\$175,220.0			
Ditch Construction	0			
Diversion Cross Vane Weir	\$65,000.00			
Grade Control Weir	\$40,000.00			
	\$155,000.0			
Headgate	0			
Supervision and Administration	\$68,000.00			
<u>Monitoring and Adaptive Management</u>	<u>\$47,000.00</u>			
	\$940,253.0			
Total With Contingency %15	0			

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SCHEDULE

Project Milestones	February 2012	March 2012	April - August 2012	September-April 2012 & 2013	May 2013- May 2015	August 2013
Permitting						
Contractor Selection						
Material Handling & Staging						
Construction and Rehabilitation Task 1,2 & 3						
Adaptive Management & Monitoring						
Final Report Task 2						

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: Cary L. Denison

Project Title: Relief Ditch Diversion Modification Project

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