Last Updated: June 2018

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects	Anna.Mauss@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to *waterplan.grants@state.co.us* in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	**Short Ditch Extension Company (SDEC)**
Name of Water Project	**Short Ditch Extension Piping / Salinity Reduction Project**

CWP Grant Request Amount	**$113,161.00**
Other Funding Sources **BOR Salinity Grant Funds**	**$444,645.00**
Other Funding Sources _____	**$0.00**
Other Funding Sources _____	**$0.00**
Applicant Funding Contribution	**$0.00**
Total Project Cost	**$557,806.00**

Last Updated: June 2018

Applicant & Grantee Information
Name of Grantee(s): **Short Ditch Extension Company (SDEC)**
Mailing Address: **36006 Back River Road, Hotchkiss, CO 81419**
FEIN: **61-1786236**
Organization Contact: **Thomas Alan Kay ("TK")**
Position/Title: **Short Ditch Extension Board Member**
Email: **northforkorganics@gmail.com**
Phone: **(970) 872-4500**
Grant Management Contact: **Luke Gingerich**
Position/Title: Project Manager
Email: lgingerich@jub.com
Phone: **970-208-8508**
Name of Applicant (if different than grantee): **Same as grantee**
Mailing Address: **N/A**
Position/Title: **N/A**
Email: **N/A**
Phone: **N/A**

Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
The Short Ditch Extension Company (SDEC) is located in Hotchkiss, Colorado and was founded in 1945. This organization primarily operates in Water Distribution of irrigation water. The Short Ditch Extension infrastructure begins at the end of original Short Ditch near State Highway 92 to the Southeast of the North Fork of the Gunnison River. Water within the Extension is procured with Short Ditch Company shares, and diverted and conveyed through Short Ditch infrastructure. The long and sinuous ditch supplies irrigation water to over 300 acres of farmland.

Last Updated: June 2018

Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. 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: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
	Study
✓	Construction
	Identified Projects and Processes (IPP)
✓	Other: **Design of Structural Projects or Activities**

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. *Applicable Exhibit A Task(s):*	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
✓	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):* **Tasks 1 and 2**	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	Other	Explain:

Last Updated: June 2018

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	**Delta County**
Latitude	**Start: Lat. 38°47'19"N, End: Lat. 38°46'48"N**
Longitude	**Start: Long. 107°43'14"W, End: Long. 107°43'37"W**
Site Map	**See Exhibit C-1 Short Ditch Extension Piping Proposal Map**

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

Last Updated: June 2018

Project Objectives:

Pipe lower end of Short Ditch Extension to:

- Increase efficiency of existing delivery system
- Conserve water/decrease amount of water lost to seepage
- Eliminate ditch breach/hillside sloughing issues
- Eliminate 420 tons per year of salt loading into Colorado River
- Decrease selenium loading to Colorado River

CWP Grant Funding Purpose:

- Project Design
- NEPA Compliance and Cultural Resources
- Construction Management and Contracts
- Habitat Replacement
- Audit

Water Supply:

Short Ditch Extension diverts surface water out of North Fork of the Gunnison River. North Fork is a major tributary to the Gunnison River in Western Colorado; a river 35.5 miles in length beginning at the confluence of Muddy Creek and Anthracite Creek. North Fork ends 8 miles southwest of Hotchkiss, CO at its confluence with the Gunnison River. Terrain and river location require multiple diversions to serve all irrigable lands.

Acres/Crops Irrigated, Proposed Ditch Specifications:

- Acres irrigated – 176 acres
- Crops irrigated – hay, pasture grass, and small grains
- Length of ditch abandoned and filled – 4,357 feet
- Length of ditch piped – 4,853 feet
- Length of ditch removed from service – 9,210 feet
- Total length of proposed new pipe – 5,953 feet

Measurable Results	
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:	
N/A	New Storage Created (acre-feet)
N/A	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
N/A	Existing Storage Preserved or Enhanced (acre-feet)
N/A	Length of Stream Restored or Protected (linear feet)
220 acre-feet/year	Efficiency Savings (indicate acre-feet/year OR dollars/year)
The level of habitat	Area of Restored or Preserved Habitat (acres)

replacement will be assessed as part of the proposed project. See Task 1, Sub-task 4 in Exhibit A WPGrant SOW.		
N/A	Quantity of Water Shared through Alternative Transfer Mechanisms	
There are a limited number of people on the ditch; however, all users upstream and downstream will be impacted by improved delivery efficiency and water quality, and by better water conservation efforts.	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
N/A	Number of Coloradans Impacted by Engagement Activity	
420 tons/year	Other	Explain: **Salt loading eliminated in the Colorado River (tons/year)**

Water Project Justification

Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

Last Updated: June 2018

As outlined in Chapter 9-43 – 9-44 of Colorado's Water Plan, the proposed project aligns with and supports the goals of Colorado's Water Plan, along with the most recent Statewide Water Supply Initiative and the Gunnison Basin Implementation Plan, in the following ways:

Supports Colorado's Water Values and Goals:

The proposed project supports Colorado's Water Values, as stated in Chapter 1-6 of Colorado's Water Plan (CWP), by:

- Creating a strong environment that includes healthy watersheds, rivers and streams, and wildlife
- Allowing for more efficient and effective water infrastructure promoting smart land use
- Supporting viable and productive agriculture

The proposed project will accomplish this by improving/modernizing Short Ditch Extension Company's (SDEC's) agricultural water delivery system, which will increase water efficiency through a decrease in water lost to seepage, eliminate ditch breach and hillside sloughing issues, and eliminate 420 tons per year of salt loading into the Colorado River; ultimately reducing the level of general salinity within the Lower Gunnison Unit, as stated on pg. 35 of the Gunnison Basin Implementation Plan (Gunnison BIP). The project will also reduce the amount of selenium loading to the river system.

Pg. 106 of the Gunnison BIP states that the goal of the proposed water project is to maintain or, where necessary, improve water quality throughout the Gunnison Basin. This goal aligns with Colorado's Water Goals for agricultural viability, as stated in Objective D of Colorado's Water Plan in Action 2017 – "support Colorado's agricultural industry to make it more efficient, resilient, and able to reduce water consumption without impacting agricultural productivity" (pg. 16).

The proposed project also aligns with Critical Action 2 and 3 under Objective D (pgs. 16-17) by exploring "system-wide conservation and efficiency opportunities…and long-term infrastructure maintenance needs," and by taking advantage of "grants…and technical support to update and improve Colorado's aging agricultural infrastructure, especially where improvements provide multiple benefits," – improve Short Ditch Extension infrastructure to provide increased delivery efficiency, mitigate ditch breaches and hillside sloughing, and reduce salinity and selenium.

Demonstrates a Commitment to Collaboration:

Impacts to the Gunnison River Basin are being addressed through projects categorized as Colorado River Basin Salinity Control Projects on pg. 106 of the Gunnison BIP. These projects were authorized under the Colorado River Basin Salinity Control Act of 1974. The proposed water project will minimize the leaching of selenium from soils, and like all projects that fall under this category, are sponsored by the Uncompahgre Valley Water Users Association, Reclamation, and the Colorado River Water Conservation District, as stated on pg. 35 of the Gunnison BIP. As the closed water system and its components mentioned above are developed, the process will allow many opportunities for the Short Ditch Extension Company (SDEC) to improve upon communication and coordination with Gunnison Basin water quality stakeholders, watershed groups, and state and federal agencies to accomplish the goals of this project; also stated on pg. 35 of the Gunnison BIP.

As previously outlined under "Water Project Overview," SDEC intends to use CWP Grant funds to cover the indirect costs associated with the proposed project so that it might reduce its salt loads (dollars per ton) and increase the chances of being awarded Bureau of Reclamation (BOR) Salinity Grant funds to cover project construction. The leveraging of funds for this purpose will allow SDEC, BOR, and the Colorado Water Conservation Board (CWCB) to collaborate on and share in a project

that will further the goals that each of these entities have in common; which is to improve water efficiency and quality in the Gunnison River Basin through better water management practices and improved infrastructure.

Addresses an Identified Water Gap:

The lower end of the Short Ditch Extension consists primarily of unimproved earthen ditch traversing adobe hillsides to the South and East of the North Fork of the Gunnison River. 10,250 feet from the final turnout of the ditch is a headwall with a trash rack that leads into a 900-foot section of 24-inch SDR 51 PIP. See Exhibit C-2 Project Figures (Figure 1) for a photograph of the existing headgate.

The existing pipe discharges back into the open, unimproved ditch. Recent hillslide sloughing and ditch breaches highlight the issues with the unimproved ditch. The ditch meanders for another 9,210 feet, during which there are three small turnouts. The ditch terminates at a 190-foot segment of 24-inch SDR 51 PIP that discharges into a silt settling pond utilized by the final turnout. See Exhibit C-2 Project Figures (Figure 2) for a photograph of the settling pond.

As outlined previously, Objective D of Colorado's Water Plan in Action 2017 seeks projects that "support Colorado's agricultural industry to make it more resilient, and able to reduce water consumption without impacting agricultural productivity," pg. 16). The Water Plan also seeks projects that explore "system-wide conservation and efficiency opportunities…and long-term infrastructure maintenance needs" (pgs. 16-17). The proposed project seeks to accomplish these goals by improving/modernizing the Short Ditch Extension infrastructure to decrease water lost to seepage and eliminate ditch breach and hillside sloughing issues that adversely affect water users.

Identified on pg. 106 of the Gunnison BIP, Colorado River Basin Salinity Control Projects, such as the proposed project, under the Colorado River Basin Salinity Control Act of 1974, is identified as meeting a need to maintain or, where necessary, improve water quality throughout the Gunnison Basin. Previously explained under "Water Project Overview," the Short Ditch Extension diverts surface water out of the North Fork of the Gunnison River. North Fork is 33.5 miles long and joins the Gunnison in eastern Delta County. The proposed project will accomplish the need to improve water quality by continuing efforts to reduce the level of salinity selenium in the lower reaches of the Gunnison River where practical, as identified on pg. 35 of the Gunnison BIP.

Numerous stream segments within the Lower Gunnison Unit, Tongue Creek area are on the State of Colorado's Clean Water Act Section 303(d) List for selenium impairment, or on the Sate's Monitoring and Evaluation List for further study (Water Quality Control Division, COGULG07 Regulation #93 amended 02-13-12) and eventual Total Maximum Daily Load development. The Short Ditch Extension laterals are within an area identified as having soils split between low to very high selenium mobilization potential. The piping of the proposed irrigation lateral is projected to reduce selenium loading from the delivery system.

The proposed project is located in an area dominated by Mancos shale. The Gunnison Basin Selenium Task Force (STF) and the Selenium Management Program Formulation Document identified open, earthen irrigation delivery system laterals in Mancos shale soils as a source of deep percolation of irrigation water and selenium loading. The piping of irrigation laterals has been demonstrated to be an effective means for reducing selenium and salt loading, and the proposed project will increase the efficiency of the existing water delivery system and conserve water that is currently lost through the open canals and laterals. As identified on pg. 35 of the Gunnison BIP, the proposed project seeks to "Improve the quality of water returning to the river and its tributaries from agricultural…areas with Mancos Shale soils (i.e., reduce selenium impacts). Support and expand the work of the Selenium Task Force and Selenium Management Program."

Last Updated: June 2018

Demonstrates Sustainability:

The Short Ditch Extension Company (SDEC) will demonstrate sustainability by modernizing its aging infrastructure. As stated under "Water Project Overview," and as outlined in Exhibit C-1 Short Ditch Extension Piping Proposal Map, the total length of proposed new pipe is 5,953 feet.

The piping of the proposed irrigation lateral will result in increased agricultural efficiency, conservation of water through the reduction of the amount of water lost to seepage, and the elimination of ditch breach and hillside sloughing issues that adversely affect water users. The newly piped irrigation lateral will also avoid impacts to, mitigate, and enhance water quality through the reduction of selenium and salt loading in the delivery system, the Colorado River, local rivers and streams, and ultimately in the lower reaches of the Gunnison Basin.

Further, SDEC will increase their efforts to partner with local government(s) being served by the water project to incorporate best water use practices into land use planning efforts. Implementing conservation best practices at high customer participation levels is a Short Ditch Extension priority, in addition to greater agricultural efficiency and the 420 tons per year of salt loading that will be eliminated due to the piping of the ditch. Section 8 of the most recent Statewide Water Supply Initiative (SWSI) expresses the need to "Support, encourage, and incentivize water providers in planning for and implementing M&I active conservation best management practices and other demand management strategies." As the project accomplishes its goals for greater agricultural efficiency, water conservation, and reduced selenium and salt loading, SDEC will be in a better position to implement better water use practices and planning efforts that will mitigate and avoid economic and social impacts on the agricultural community they serve; and by extension, all communities affected by the quantity and quality of water in the Colorado River, local rivers and streams, and ultimately the Gunnison River Basin.

Section 1-9 of the SWSI lists many challenges that will affect Gunnison River Basin water users over the next 40 years, all of which include concerns about the quantity and quality of available water. The proposed project is the solution to these challenges, including "addressing agricultural water shortages" and "developing a selenium management plan." The purpose of the proposed project is to improve agricultural water efficiency and to reduce selenium and salt loading in its delivery system; and ultimately in the Gunnison River Basin. SDEC's efforts will prove beneficial to CWCB's efforts to create a selenium reduction management plan and to accomplish many of its other goals that have been identified to address challenges in the Gunnison River Basin.

The proposed project will avoid adverse effects to environmental and recreational interests, and it will include an Environmental Assessment. A Biological Assessment will be conducted as part of the NEPA compliance, and will include an evaluation of all federally listed, state sensitive and special status species and habitat that may occur in the proposed project area.

The project will not unreasonably increase the risk of non-compliance with any interstate compact or the curtailment of existing water rights in the following ways:

- The project will not result in any increased diversion from the North Fork of the Gunnison, as that amount is dictated by water rights, and upstream infrastructure is limited in its ability to convey more water during free-river conditions.

- The project will not result in curtailment of existing water rights because the ditch company only calls for water when their right is not satisfied at their flume immediately downstream of their diversion. This project has no effect on the amount of water at the flume, and thus will not affect the call on the river.

Last Updated: June 2018

Establishes Fiscal and Technical Feasibility, and Project Readiness:

The Short Ditch Extension Company's (SDEC's) strategy for accomplishing the proposed project is to utilize the funds identified in the Water Plan Implementation bill (HB17-1248, $1,000,000 to provide technical assistance or improve agricultural efficiency) for projects that are successful applicants to the BOR Salinity Grant FOA; thus, the purpose of this grant request is to obtain the funds needed to leverage federal funding to increase the fiscal and technical feasibility of the proposed water project, by reducing salt loads (dollars per ton) to increase the chances of being awarded BOR Salinity Grant funds to cover the construction portion of the project.

SDEC plans to accomplish this by requesting $113,161 in CWP Grant funds to cover the indirect costs associated with the proposed project, and $444,645 in BOR Salinity Grant funds to cover the direct costs (construction costs); therefore, the proposed project (totaling $557,806) will be entirely funded by CWP and BOR Salinity Grant funds.

At the time the Gunnison BIP was updated in April 2015, Colorado River Basin Salinity Control Projects were identified as Tier 3 projects, which were not considered feasible by 2025. This information can be found on pg. 106 of the Gunnison BIP. The reasoning for this is that the projects were in the preliminary stages of planning and have not yet been successful in obtaining funds from the Bureau of Reclamation's (BOR) Salinity FOA to cover both the indirect and direct costs associated with the proposed piping project. Section 1-9 of the SWSI states, "Addressing agricultural water shortages…is an important goal of the community; lack of financial resources is an impediment." SDEC is no stranger to a lack of financial resources, and they seek to overcome this "impediment" by leveraging federal funding to increase the fiscal and technical feasibility of designing and constructing the proposed project.

Recent BOR Salinity Grant FOAs have additional scoring and criteria above simply dollars/ton. Additional benefits to on-farm efficiency are scored. The main users of SDEC water have already converted many acres to sprinkler irrigation and are therefore at a disadvantage when applying for funds. This grant request allows the SDEC to lower their expected dollars/ton to approximately $40/ton in order to overcome the additional scoring requirements anticipated in the 2019 FOA. This grant request also envisions submitting a completed set of construction drawings with a FOA application in order to demonstrate to BOR a "shovel-ready" project during the salinity FOA review, and further increase the likelihood of funding.

This approach is well-justified, and is an appealing and unique collaborative effort that will not only involve/benefit SDEC and its users, but also CWCB, BOR, and their shared goals for greater water efficiency/quality in the Gunnison Basin.

Project design is estimated to begin January 2020, upon receipt of CWP Grant funds *and* 2019 BOR Salinity Grant funds.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

Last Updated: June 2018

Delta Conservation District (DCD), through funding from CWCB, managed a program for ditch companies to receive Technical Assistance (TA) grants. These grants are to defray the cost of TA engineering services to prepare feasibility studies and FOA applications. Short Ditch Company submitted an application for these funds in the amount of $4,000 to explore the feasibility of the proposed Short Ditch Extension Piping / Salinity Reduction Project. DCD approved the requested amount of $4,000 to complete the feasibility study. This CWP grant application is a direct result of the feasibility study. The feasibility study effort allows SDEC to confidently request grant funds for the proposed project.

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

There are no previous or current CWCB or WSRF grants that have been directly awarded to the Short Ditch Extension Company (SDEC); only the funding from CWCB to the Delta Conservation District (DCD) to manage their TA Grant program – of which SDEC was a part. See “Related Studies” above for more information.

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

There are no TABOR issues associated with the Short Ditch Extension Company (SDEC) that would limit the amount of grant money the entity can receive, nor any that would affect this application.

Last Updated: June 2018

Submittal Checklist	
✓	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
✓	Statement of Work(1) **– Exhibit A WPGrant SOW**
✓	Budget & Schedule(1) **– Exhibit B WPGrant Budget and Schedule**
✓	Engineer's statement of probable cost (projects over $100,000) **– Exhibit A-1 SOPC**
***N/A**	Letters of Matching and/or Pending 3rd Party Commitments(1) ***Due to the nature of this grant request, the Short Ditch Extension Company has not yet acquired matching funds, nor does it have any pending 3rd party commitments. See Exhibit A WPGrant SOW, "Purpose of CWP Grant Funding" for a more detailed explanation.**
Exhibit C	
✓	Map (if applicable)(1) **– Exhibit C-1 Short Ditch Extension Piping Proposal Map**
✓	Photos/Drawings/Reports **– Exhibit C-2 Project Figures**
✓	Letters of Support (Optional) **– Exhibit C-3 GBRT Letter of Support, Exhibit C-4 TU Letter of Support**
N/A	Certificate of Insurance (General, Auto, & Workers' Comp.) (2)
N/A	Certificate of Good Standing with Colorado Secretary of State(2)
N/A	W-9(2)
N/A	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
N/A	Engagement & Innovation Supplemental Application(1)

(1) Required with application.
(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit B
Budget and Schedule

Date: February 1, 2019

Name of Applicant: Short Ditch Extension Company

Name of Water Project: Short Ditch Extension Piping / Salinity Reduction Project

Project Start Date: January 1, 2020

Project End Date: September 30, 2022

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Indirect Costs (Design, NEPA, Construction Management/Contracts, Habitat, Audit)	1/1/2020	9/30/2022	$113,161	$0	$113,161
2	Construction (Labor, Supplies, Materials, and Equipment)	10/30/2021	4/1/2022	$0	$444,645	$444,645
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
			Total	$113,161	$444,645	$557,806

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Date:* 1-Feb-19
Name of Applicant:* Short Ditch Extension Company
Name of Water Project: Short Ditch Extension Piping / Salinity Reduction Project

Construction/Engineering

	Water Consultants					Subcontracts							Project Total	Cost Share	
	Project Manager	Project Engineer (Water Resources PE)	EIT (Water Resources Focus)	Ecologist		Survey	Cultural Resources	Easements and other Legal	Habitat Replacement Specialist	Accounting Firm	Construction General Contractor			**CWCB Funds**	**Other Matching Funds**
	$ 180	$ 115	$ 100	$ 120	**Subtotal**	Lump sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	**Subtotal**			
Task 1 - Indirect Costs	Estimated Hours					Cost per									
Project Design	30	100	120		**$ 28,900**	$ 2,072		$ 4,599				**$ 6,672**	$35,572	$35,572	
NEPA Compliance and Cultural Resources	5	5	5	85	**$ 12,175**		$ 5,611					**$ 5,611**	$17,786	$17,786	
Construction Management and Contracts	8	160			**$ 19,840**	$ 15,732						**$ 15,732**	$35,572	$35,572	
Habitat Replacement	8			80	**$ 11,040**				$ 11,192			**$ 11,192**	$22,232	$22,232	
Audit					**$ -**					$ 2,000		**$ 2,000**	$2,000	$2,000	
Task 2 - Construction (Labor, Supplies, Materials, and Equipment)															
Construction											$ 444,645	**$ 444,645**	$444,645		$ 444,645
Subtotal Hours	51	265	125	165	**606**										
Subtotal Labor/ Subcontractor cost	$9,180	$30,475	$12,500	$19,800	**$71,955**	$ 17,804	$ 5,611	$ 4,599	$ 11,192	$ 2,000	$ 444,645	**$ 485,851**	$557,806		
Subcontractor Administration Fee @ 5%													$0		
Other Direct Costs (see below)													$0		
TOTAL													**$557,806**	$113,161	$ 444,645

NOTES:

***When the application has been approved by the Board, and this budget document is being submitted for PO or contract processing, the "Name of Applicant" field MUST be changed to "Name of GRANTEE" and remove the DATE field.**

Ensure that pagination is included and correct, i.e., Page 1 of 2, Page 2 of 2, etc.

Exhibit C-3 GBRT Letter of Support

January 22, 2019

Mr. Alexander Funk
Colorado Water Conservation Board – Water Plan Grant
1313 N. Sherman Street, Ste. 718
Denver, CO 80203

Re: Short Ditch Extension Piping / Salinity Reduction Project, Gunnison Roundtable Support for Water Plan Grant Proposal

Dear Mr. Funk,

This letter is to inform you of the Gunnison Basin Roundtable's support for the **Short Ditch Extension Piping / Salinity Reduction Project,** submitted by the **Short Ditch Extension Company**.

The proposed Piping/Salinity Reduction project aligns with the Gunnison Basin Implementation Plan and Water Plan Goals in the following ways:

1. The project will reduce the levels of salinity in numerous stream segments in the Lower Gunnison Basin and will improve water quality in the Gunnison Basin.

2. The project will support a strong environment that includes healthy watersheds, rivers and streams, and wildlife, and will allow for more efficient and effective water infrastructure promoting smart land use; supporting viable and productive agriculture.

We hope you will consider funding this important project.

Sincerely,

Kathleen Curry

Kathleen Curry, Gunnison Basin Roundtable Chair

54542 US Highway 50

Gunnison, CO 81230

970-209-5537

Exhibit C-4 Trout Unlimited (TU) Letter of Support

Mr. Alexander Funk
Colorado Water Conservation Board – Water Plan Grant
1313 N. Sherman St Ste 718
Denver, CO 80203

Dear Mr. Funk,

This letter is to inform you of Trout Unlimited's support for the **Short Ditch Extension Piping / Salinity Reduction Project**, submitted by the **Short Ditch Extension Company**.

Trout Unlimited has worked hard to support irrigation efficiency projects in the North Fork of the Gunnison and believe that this project will advance ongoing efforts to improve stream flows while meeting agricultural water demands.

I have reviewed the proposed Piping/Salinity Reduction project, and I believe that this project provides efficiency benefits that are an important part of the overall management of North Fork of the Gunnison river system. While this project is small in comparison to other salinity reduction projects in the area, it is no less important.

Sincerely,

Cary Denison
Gunnison Basin Project Manager
Trout Unlimited