



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

Water Project Summary

Name of Applicant	Boulder and White Rock Ditch and Reservoir Company
Name of Water Project	
Basin Account Request Subtotal	\$19,423.00
Applicant Cash Match	\$19,424.00
Applicant In-Kind Match	
Basin Requests	
Sources of Funding	

Grant Details

Water Project Justification

Right now, it is difficult to get accurate readings for the amount of water entering 6 Mile reservoir. It is hazardous to reach the current measurement devices at the inflow, outflow, and the reservoir. Most importantly, telemetry could determine in a timely manner the amount of water loss for the distance between Boulder Creek and the reservoir (almost 6 miles) as well as if there are any disruptions in the flow. This would improve reservoir operations and we'd have a more accurate reading of the water actually flowing into the reservoir. Currently, we are only able to estimate losses along the 6 miles of ditch.

To maximize development of native supplies we must be able to quantify and divert water during those periods when available as the period of availability might be of short duration. Telemetry will allow for continuous water flow information for water users and water administrators and the more efficient use of administrative staff resources. The installation of this equipment will be of great benefit to water commissioners by allowing more efficient administration due to more timely availability of information on diversions. Real time data also helps the water commissioner make a faster response regarding exchange potential at various points on the river to water users who wish to operate an exchange. Maximizing the use of existing water supplies within the South Platte basin for decreed purposes with existing infrastructure is the first step in meeting the future needs of users along the South Platte and its tributaries.

This project also helps meet the goal of Robust Agriculture in the Colorado Water Plan. The plan identifies the need to not only rehabilitate current agricultural facilities, but improve measurement because "access to data on water delivery and use can help producers make improvements toward more efficient and effective water use to maximize productivity."

Applicant & Grantee Information

Name of Grantee: Boulder and White Rock Ditch and Reservoir Company
Mailing Address: PO Box 119 Longmont Colorado 80502
FEIN: 840,183,035

Organization Contact: Bill Campbell

Position/Title:
Phone: 303-775-8051

Email: bill.boulderwhiterock@gmail.com

Grant Management Contact: Bill Campbell
Position/Title:
Phone: 303-775-8051

Email: bill.boulderwhiterock@gmail.com

Agency Information

Agency Type Ditch Company
Current Assessment
Number of Shareholders or Customers
Number of Shares
Number of Taps
Average Monthly Water Bill
Annual Water Delivery (acre-feet)

Description of Grantee/Applicant

No description provided

Location of Water Project

Latitude 0.000000
Longitude 0.000000
Lat Long Flag
Water Source
Basins
Counties
Districts

Water Project Overview

Major Water Use Type
Type of Water Project
Scheduled Start Date - Design 4/30/2024
Scheduled Start Date - Construction 4/30/2024
Description

Measurable Results

0 New Storage Created (acre-feet)
0 New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
0 Existing Storage Preserved or Enhanced (acre-feet)
0 New Storage Created (acre-feet)
0 Length of Stream Restored or Protected (linear feet)
0.00 Length of Pipe, Canal Built or Improved (linear feet)
\$0 Efficiency Savings (dollars/year)
0 Efficiency Savings (acre-feet/year)
0 Area of Restored or Preserved Habitat (acres)
0 Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
0 Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning

0 Number of Coloradans Impacted by Engagement Activity

Other

No additional measurable results provided



Last Update: January 10, 2022

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Colorado Water Conservation Board	
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<u>Exhibit A - Statement of Work</u>	
Date:	4/19/2024
Water Activity Name:	6 Mile Reservoir Improvement Project
Grant Recipient:	Boulder & White Rock Ditch & Reservoir Company
Funding Source:	South Platte Basin
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for. (PLEASE DEFINE ALL ACRONYMS).)	
<p>6 Mile Reservoir is a private reservoir owned by Boulder and White Rock Ditch and Reservoir Company (BWR) and located directly south of Boulder Reservoir. It receives water from Boulder Creek about 6 miles from the head gate located at stream mile 22.27 on Boulder Creek. The reservoir holds 1,400 AF and last year it received and released approximately 5,912 AF of water from Boulder Creek. It is a valuable source of late season water for the ditch company.</p> <p>Multiple improvements to 6 Mile Reservoir are necessary to improve management of the reservoir and readings of inflow, water level, and outflow. This project will involve the follow:</p> <ul style="list-style-type: none"> • Addition of telemetry to the reservoir inflow and reservoir outflow, and reservoir level gauge • Repairs of cement flume walls and removal of two large trees that has damaged cement walls 	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<ul style="list-style-type: none"> • Replace cement flume walls • Remove two trees • Add telemetry to inlet, outlet, and reservoir level 	



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Tasks	
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)	
<u>Task 1 – Cement Work</u>	
Description of Task:	
Construction of concrete walls spanning 37 feet in ditch and standing at a height of 3 feet 6 inches	
Method/Procedure:	
Boulder White Rock will contract with a local concrete company that has experience doing work on the ditch.	
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	
Replaced concrete walls for flume	
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	
Photos and final report of the project	



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Tasks	
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)	
<u>Task 2 – Tree Removal</u>	
Description of Task:	
Removal of two large trees that has damaged the two cement walls. Boulder White Rock will remove the trees and root balls entirely.	
Method/Procedure:	
Boulder White Rock will remove the existing roots with their own equipment after a tree company will cut down the trees	
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	
Tree removal	
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	
Final report and pictures	



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Tasks	
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)	
<u>Task 3 – Measuring Devices and Telemetry</u>	
Description of Task:	
Method/Procedure:	
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	



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Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [0](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

NOTE TO APPLICANTS: Below are two "detailed budget" examples. Detailed budgets will vary between all projects, so these examples can be used as a helpful guide



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Detailed Budget Estimate

Date: 4/19/2024
Water Activity Name: 6 Mile Reservoir Improvement Project
Grantee Name: Boulder & White Rock Ditch and Reservoirs Company

	Hourly Rate	#	Subtotal	Item Cost	Item Quantity	Subtotal	Total	CWCB Funds	Other Matching Funds
Task 1 - Cement Work									
concrete walls spanning 37 feet in width and a height of 3 feet 6 inches			\$ -	\$ 7,500.00	1.00	\$ 7,500.00	\$ 7,500.00	\$ 3,750.00	\$ 3,750.00
Task 2 - Tree Removal									
tree removal on reservoir inlet			\$ -	\$ 2,000.00	2.00	\$ 4,000.00	\$ 4,000.00	\$ 2,000.00	\$ 2,000.00
Task 3 - Measuring Devices and Telemetry									
Instrumentation GOES DCP, transmitter, stage sensor, charging equipment (inlet)			\$ -	\$ 6,521.00	1.00	\$ 6,521.00	\$ 6,521.00	\$ 3,260.50	\$ 3,260.50
Electronics installation (inlet)			\$ -	\$ 1,500.00	1.00	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00
rated section rating redevelopment				\$ 900.00	1.00	\$ 900.00	\$ 900.00	\$ 450.00	\$ 450.00
Instrumentation GOES DCP, transmitter, stage sensor, charging equipment (outlet)				\$ 6,521.00	1.00	\$ 6,521.00	\$ 6,521.00	\$ 3,260.50	\$ 3,260.50
Electronics installation (outlet)				\$ 1,500.00	1.00	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00
Reservoir stage sensor				\$ 1,085.00	1.00	\$ 1,085.00	\$ 1,085.00	\$ 542.00	\$ 543.00
Cable and materials				\$ 0.50	100.00	\$ 50.00	\$ 50.00	\$ 25.00	\$ 25.00
GOES telemetered instrumentation				\$ 7,770.00	1.00	\$ 7,770.00	\$ 7,770.00	\$ 3,885.00	\$ 3,885.00
Installation (reservoir elevation)				\$ 1,500.00	1.00	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00
TOTAL							\$ 38,847.00	\$ 19,423.00	\$ 19,424.00