COLORADO
Colorado Water Conservation Board
Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

WSRF – Gunnison – POGG1 2020-2130
Cimarron Canal Diversion Gate Replace & Water Mgmt. Plan

August 19, 2020

Trout Unlimited, Inc.
c/o Cary Denison, Project Manager
1777 N. Kent Street, Suite 100
Arlington, VA 92001

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for funding pursuant to the WSRF Grant Program ("Program"). This letter authorizes you to proceed with the Cimarron Canal Diversion Gate Replace & Water Mgmt. Plan Project ("Project") in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Trout Unlimited, Inc., agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Chris Sturm, Project Manager at 303-866-3441 or at Chris.Sturm@state.co.us. Please send all grant correspondence directly to Chris and please, cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.com

STATE OF COLORADO

Department of Natural Resources

ORDER

Number: POGG1,PDAA,202000002130

Date: 8/19/19

Description:

PDAA WSRF & CWP GRANTS_CIMARRON CANAL

Effective Date: 08/15/19

Expiration Date: 07/31/21

*****IMPORTANT*****

The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.

BILL TO

COLORADO WATER BOARD CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

BUYER

Buyer:

Email:

VENDOR

TROUT UNLIMITED INC
1777 N KENT ST
100
ARLINGTON, VA 22209-2133

Contact: .

Phone: .

SHIP TO

COLORADO WATER BOARD CONSERVATION
1313 SHERMAN STREET, ROOM 718
DENVER, CO 80203

SHIPPING INSTRUCTIONS

Delivery/Install Date: -

FOB: FOB Dest, Freight Allowed

VENDOR INSTRUCTIONS

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	$11,500.00	☐
Description:	PDAA WSRF & CWP GRANTS_CIMARRON CANAL					
Service From:	08/15/19		Service To:	07/31/21		

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	$18,918.00	☐
Description:	PDAA WSRF & CWP GRANTS_CIMARRON CANAL					
Service From:	08/15/19		Service To:	07/31/21		

TERMS AND CONDITIONS

https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions

DOCUMENT TOTAL = $30,418.00

Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date:	**1/25/2019 (amended 4/26/2019)**
Water Activity Name:	**Cimarron Canal Diversion Gate Replacement and Water Management Planning Project**
Grant Recipient:	**Trout Unlimited**
Funding Source:	**CWCB Water Supply Reserve Fund**

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.

This project, when implemented, will replace an antiquated and nearly unusable diversion gate with a new gate. This project will also provide SCADA (supervisory control and data acquisition) capabilities to the gate, allowing for automatic and remote controls and will provide water management planning and engineering that will direct the operations of the gate.

The Big Cimarron River is an important tributary to the Gunnison River that supports a healthy population of trout and other species on both private and public lands. In the past, the rivers flows have been reduced drastically by diversions at the Cimarron Canal. These events have severely impacted trout populations and the overall health of the watershed. In 2018 Trout Unlimited, Bostwick Park Water Conservancy District (BPWCD) and Colorado Parks and Wildlife worked together to improve flows in the summer months by shepherding stored 1,500 acre-feet of water from Silver Jack Reservoir past the diversion. This project prevented a catastrophic mix of low water and high temperatures.

The proposed project will automate releases to the river at the diversion and create a planning model that BPWCD and others can follow to maintain flows in the River and a variety of flow regimes. The automation will also reduce time and travel costs associated with management of the diversion.

Objectives: (List the objectives of the project)

1. Maintain and improve consistent streamflow downstream of the Cimarron Canal diversion structure.
2. Meet water demands below the Cimarron Canal including CWCB instream flow rights.
3. Reduce time, labor and mileage for Bostwick Park and Cimarron Canal and other agency and non-profit staff associated with managing diversions and streamflow below the diversion.
4. Avoid unnecessary impacts to the natural environment supported by the Cimarron River.

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 1 – Design and Planning
Description of Task:
This task will involve review and revision of the design as well as project planning and NEPA work.
Method/Procedure:
J.U.B. Engineers will review and revise a design of the split-gate control system that has been selected by BPWCD. Contractors hired by BPWCD will complete a cultural review for NEPA compliance at the site
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Applicants and partners will provide description of the selected gate and any changes requested by the engineer. NEPA clearances
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Drawings, photos and description of the chosen infrastructure and changes made during the task. Copy of NEPA documents.

Construction; design, fabrication and installation

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Fabrication
Description of Task:
In this task the supplier of the gate structure will fabricate and provide the new headgate to BPWCD.
Method/Procedure:

Tasks
Using the design and recommendations supplied by BPWD and JUB Engineers, the fabrication contractor or supplier will construct the new headgate.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
An operable headgate capable of meeting project objectives will be delivered to the jobsite.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Photos of completed control structure as well as details about fabrication and procurement process.

Tasks
Provide a detailed description of each task using the following format:
Task 3 – Installation
Description of Task:
In this task, the new diversion headgate will be installed at the Cimarron Canal point of diversion and connected to the BPWCD existing SCADA system.
Method/Procedure:
Staff from BPWCD and Trout Unlimited will remove the old control structure, install the new structure and connect the gate controls to the SCADA hardware that exists at the diversion of the Cimarron Canal.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
The new diversion control gate will be installed in the Cimarron Canal diversion.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

Tasks
Grantee will provide CWCB with description of the installation task and photos of the installed gate and of the installation process.

Tasks
Provide a detailed description of each task using the following format:
Task 4 – SCADA
Description of Task:
BPWCD and TU staff will work with Mountain Peak Controls and other contractors to connect the new control structure to the existing SCADA system at the headgate.
Method/Procedure:
TU staff will work with BPWCD to establish a relationship between the gate opening height and stream flow. The gate controls will be physically connected to the existing hardware at the diversion that the district uses to control diversions.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Technical information related to the process and task.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Photos of the work and a written description of how the SCADA system works for the new gate.

Tasks
Provide a detailed description of each task using the following format:
Task 5 – Modeling
Description of Task:
JUB Engineers will evaluate several distinctly different water years and analyze water availability at and below the Cimarron diversion and optimum operations during those past year types.
Method/Procedure:

Tasks
JUB will use CDSS and USGS flow data as well as diversion and irrigation demand information to prescribe optimal flow and diversion rates.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A document that provides operational guidance to BPWCD for dry, average and above average water years.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
A copy of the report from JUB along with a description of the process.

Tasks
Provide a detailed description of each task using the following format:
Task 6 – Project Management
Description of Task:
This task will involve Trout Unlimited working with partners to complete all phases of this project.
Method/Procedure:
TU staff will work with BPWCD and other partners to complete the tasks in a manner that meets the objectives set out in this Scope- of- Work.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A new diversion control structure that meets flow demands below the Cimarron diversion without excessive labor.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Drawings, photos and description of the all phases of the project and obstacles encountered during the process.

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 7 – Grant Administration
Description of Task:
In this task TU staff will manage the grant details including pay, applications, reporting and accounting.
Method/Procedure:
Invoices related to the project will be processed and paid. Project reporting including accounting will be completed.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Timely project reports and reimbursement requests will be completed.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The CWCB will be provided with accurate and timely accounting of tasks completed and funds expended to complete the project and related individual tasks.

Last Update: July 31, 2018

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: 4/26/19

Water Activity Name: Cimarron Canal Diversion Gate Replacement and Water Management Planning Project

Grantee Name: Trout Unlimited

	Description	Start Date[2]	End Date	Matching Funds (cash & in-kind)[3]	CWCB Water Plan Funding	WSRF Funds (Basin & Statewide combined)[3]	Total
1	Design and Planning	6/1/2019	7/30/2019	$2,000	$1,250	$1,250	$4,500
2	Fabrication	8/1/19	9/1/19	$7,250	$0	$7,250	$14,500
3	Installation	9/1/19	12/30/19	$950	$0	$1,500	$2,450
4	SCADA	9/1/19	10/30/19	$4,800	$5,200	$0	$10,000
5	Modeling	6/15/19	11/16/19	$0	$10,000	$0	$10,000
6	Project Management	5/16/19	5/16/20	$3,000	$0	$0	$3,000
7	Grant Administration	5/16/19	5/16/20	$0	$2,468	$1,500	$3,968
							$0
							$0
							$0
							$0
							$0
							$0
							$0
			Total	$18,000	$18,918	$11,500	$48,418

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under $100K - 45 Days from Board Approval; Start Date for funding over $100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

• Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

• NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

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

• Additonally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

• Standard contracting proceedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.