



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

3/16/2018

Cary Denison
Trout Unlimited
1777 N. Kent St. Suite 100

RE: CWP GRANTS - OFFICIAL NOTICE TO PROCEED - POGG1 PDAA 201800000790-
Trout Unlimited - Needle Rock Diversion Project

Dear Cary Denison,

This letter is to inform you that the purchase order to assist in the above Colorado's Water Plan grant project has been approved. The documents attached to the email correspondence serve as your original contract documents.

With the executed agreement, you are now able to proceed with the project and invoice the State of Colorado for costs incurred through 3/16/2013. Please provide the project name and POGG1 number when corresponding with or invoicing for your project along with back-up documentation of cost incurred for the portion of the grant according to the original scope of work tasks. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 30 days after review and signed approval of the project manager.

Please refer to the CWP Grant Guidelines on our website for the six month progress report and final deliverable requirements in order to avoid a delay in payment. A 30-day advance notice in an official letter of request to the CWCB project manager is required in the event you are seeking an amendment to the term of this agreement.

If you have any questions or concerns regarding the project, please contact Chris Sturm, Project Manager at 303-866-3441 x3236 or at chris.sturm@state.co.us. When submitting invoices and progress reports, please cc both the PM and waterplan.grants@state.co.us.

Thank you.





STATE OF COLORADO
Department of Natural Resources

ORDER				** IMPORTANT **		
Number: POGG1 PDAA 201800000790				The order number and line number must appear on all invoices, packing slips, cartons and correspondence		
Date: 03/16/18						
Description:				BILL TO		
Water Plan Grant Env Rec Trout Unlimited Needle Rock				COLORADO WATER BOARD CONSERVATION		
Effective Date: 03/16/18 Expiration Date: 03/16/23				1313 SHERMAN STREET, ROOM 718		
BUYER				DENVER, CO 80203		
Buyer:				SHIP TO		
Email:				COLORADO WATER BOARD CONSERVATION		
VENDOR				1313 SHERMAN STREET, ROOM 718		
TROUT UNLIMITED INC				DENVER, CO 80203		
1777 N KENT ST				SHIPPING INSTRUCTIONS		
# 100				Delivery/Install Date:		
ARLINGTON, VA 22209-2133				F.O.B:		
Contact: EFT Remit				VENDOR INSTRUCTIONS:		
Phone: 7032849408						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$20,000.00	<input type="checkbox"/>
Description: Water Plan Grant Env Rec Trout Unlimited Needle Rock						
Service From: 03/16/18 Service To: 03/16/23						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$20,000.00						

Last Updated: July 5, 2017

Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	7/27/17
Name of Applicant:	Trout Unlimited
Name of Water Project:	Needle Rock Diversion Modification and Stream Measurement
Funding Source:	Environmental and Recreation Projects

Water Project Overview: Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.

Trout Unlimited with assistance from the Needle Rock Ditch Company, Colorado River District, Western Slope Conservation Center, and local stakeholders will modify the diversion structure of the Needle Rock Ditch diversion to allow fish to pass the upstream over the diversion, which is a barrier to all fish during most flow conditions, and add remotely monitored flow measurement to Smith Fork Creek at the diversion

The Needle Rock Ditch often diverts the bulk of the flows in the creek leaving little water available for fish habitat below the diversion. Fish that migrate below the diversion during high spring run-off

The addition of a fish passage to the diversion dam will reduce fish loss, bolstering the number of wild fish in the Smith Fork and improve recreational opportunities on the creek.

The addition of real-time stream flow monitoring will help the Crawford Water Conservancy District, other irrigators and the Division of Water Resources monitor flows in the creek allowing for improved management diversions and of stored water deliveries to downstream water users. The improvement will also help water managers track flow conditions and trends in the Smith Fork, which has not been gauged since 1994.

Objectives: List the objectives of the project.

1. To reconnect approximately 2 miles of the Smith Fork with the upper reaches of the creek.
2. To provide passage for rainbow, brown, brook, and cutthroat trout as well as speckled dace and mottled sculpin at most flow regimes.
3. Provide stream flow gauging that is off-site accessible.
4. Improve the populations of sport fish in the Smith Fork drainage for improved recreational angling opportunities.
5. Improve populations of all fish as well as the riparian ecosystem in the Smith Fork drainage.
6. To demonstrate the viability of projects like this where similar conditions exist in the Gunnison Basin.
7. To continue to build a precedent of cooperation between consumptive and non-consumptive uses that result in improved rivers and streams.

Last Updated: July 5, 2017

Tasks	
Provide a detailed description of each project task using the following format:	
Task 1 – Fish passage channel design review	
Description of Task:	
<p>The fish passage design, which will be completed by the engineers selected to design the irrigation infrastructure upgrades with help from specialists in fish passage design, will be reviewed prior to releasing plans to construction contractor.</p>	
Method/Procedure:	
<p>TU will and project partners will evaluate the design of the fish passage channel and determine if the design will meet the project objectives. Through this process professionals in the fish passage field will be consulted to review the design.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
<p>Consulting engineers opinion of design along with recommendations for improvements to the design.</p>	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
<p>Project update with copy of design and list of recommendations for improvement if any are rendered.</p>	

Last Updated: July 5, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Stream gauge engineering and design
<p>Description of Task:</p> <p>Project partners including TU and the CRWCD will work with the engineers who are designing the diversion modifications and SCADA improvements, Needle Rock Ditch Company, Crawford Water Conservancy District, Division of Water Resources, USGS and other parties to develop a plan to implement stream gauging of the Smith Fork at the Needle Rock Ditch diversion. The remotely monitored stream gauging will be completed in concert with the SCADA improvements to the diversion of the Needle Rock Ditch through the Lower Gunnison RCPP project.</p>
<p>Method/Procedure:</p> <p>Partners will identify the common goals for the stream gauge, including how the gauge will be used to improve water deliveries and water conservation projects in the future, to create a plan for installing necessary hardware.</p>
<p>Grantee Deliverable: Describe the deliverable the grantee expects from this task</p> <p>Description of hardware necessary for achieving project goals within the budget and instructions pertaining to installation and use.</p>
<p>CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task</p> <p>Description of hardware installed and how the gauge will be used to meet project goals.</p>

Last Updated: July 5, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 3 – Construction
Description of Task:
TU will work with the contractor(s) selected by the Needle Rock Ditch Company to complete the pipe installation and headgate reconfiguration to construct the fish passage and install the stream gauge as designed by the engineers. If the contractor who will be working on the diversion and ditch improvements needs technical support, TU will assist project partners with selecting a contractor who is experienced with instream work of this nature to complete the project.
Method/Procedure:
Work with engineers, CRWCD staff, Needle Rock Ditch board of directors, and the selected contractor to install the fish passage structure and the stream gauge. TU and partners will assist contractor(s) with implementation of fish passage design and stream gauging instrumentation.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
Fish passage channel and adequate stream flow gauging will be installed at the Needle Rock Ditch Diversion.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
Project updates that detail construction and installation process.

Tasks

Last Updated: July 5, 2017

Tasks	
Provide a detailed description of each task using the following format:	
Task 4 – Stream gauge instrumentation purchase and installation	
Description of Task:	
Stream gauge instrumentation, as described by deliverables in task #2, will be purchased and installed and tested.	
Method/Procedure:	
TU will purchase the necessary hardware and will work with the contractor and project partners to have the instruments installed.	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
TU expects a fully functioning stream gauging station that allows for real time monitoring of flows in the Smith Fork Creek at the Needle Rock Ditch diversion.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
Project updates that describe how the stream gauging hardware will operate.	

Tasks
Provide a detailed description of each project task using the following format:

Last Updated: July 5, 2017

Tasks	
Task 5 – Project Outreach and Education	
Description of Task:	
<p>Project partners including TU, Western Slope Conservation Center, CRWCD, Crawford Water Conservancy District, Colorado Parks and Wildlife, and Needle Rock Ditch Company will convene 3 meetings with local water users and other interested parties to discuss the implementation of the project and how the project will affect the fishery and water use in the Smith Fork watershed.</p>	
Method/Procedure:	
<p>An initial project kick-off meeting will be held once project funds are secured to gather information from concerned parties about the impacts of the project and how the implementation may affect their use of the resource. At the approximate half-way point in the project a meeting of interested parties will be held to discuss how the project is moving forward and to provide information about the design and construction process. A final meeting will be held once project construction is complete to inform the public and partners on how the expected effects on the watershed.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
<p>The grantee expects to receive valuable information from local users that can be used to guide the project. We also hope to gain a better understanding of concerns local water users have about the health of the watershed and use of the waters.</p>	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
<p>Detailed descriptions about these meetings in project updates.</p>	

Tasks	
Provide a detailed description of each project task using the following format:	
Task 6 – Project management	

Last Updated: July 5, 2017

Tasks	
Description of Task:	<p>Trout Unlimited will manage the allocation of grant and other project funds to implement the tasks described herein. This task will include working with project partners, contractors, land owners, state and local agencies to ensure that all tasks related to this project are completed in a satisfactory manner.</p>
Method/Procedure:	<p>TU will engage with project partners, contractors, and funders to make sure tasks are completed in a timely and efficient manner. TU will assist with processing of invoices for contractors. Project partners will be engaged by TU, throughout the project, in order to maintain open lines of communication and to make sure project goals are being met. TU will also provide project updates to funders.</p>
Grantee Deliverable: Describe the deliverable the grantee expects from this task	<p>Efficient and timely implementation of the passage and measurement project.</p>
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	<p>A single point of contact for this project and project invoicing and updates and final report.</p>

Budget and Schedule
<p>This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.</p>

Last Updated: July 5, 2017

Reporting Requirements

Progress Reports: The applicant 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 applicant shall provide the CWCB a Final Report on the applicant'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.

The CWCB will withhold disbursement the last 10% of the budget until 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 purchase order or grant will be closed without any further payment.

Last Updated: July 5, 2017



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit A Budget and Schedule

Date:

Name of Applicant:

Name of Water Project:

Task No.	Task Description	Start Date ⁽¹⁾	End Date	Grant Funding	Match Funding	Total
1	Fish passage channel design review	1-Feb-18	15-Jun-18	\$1,000	2,000	\$3,000
2	Stream gauge design and engineering	1-Feb-18	15-Jun-18	\$500	\$1,000	\$1,500
3	Construction	1-Sept-18	1-Jan-19	\$16,000	\$10,000	\$26,000
4	Stream gauge instrumentation purchase and installation	1-Sept-18		\$2,500	\$1,000	\$3,500
5	Project Outreach and Education	January 15, 2018	1-Apr-19	\$0	\$1,500	\$1,500
6	Project Management and Administration	January 15, 2019	1-Apr-19	\$0	\$4,500	\$4,500
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$20,000	\$20,000	\$40,000

(1) Start Date for funding under \$100K, minimum 45 Days from Board Approval; Start Date for funding over \$100K, minimum 90 Days from Board Approval.

• Round values up to the nearest hundred dollars.

• 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 grantee enters contract and receives formal NTP if

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

• CWCB will withhold disbursement of the last 10% of the total grant amount until a Final Report is completed to the satisfaction of CWCB staff



CDSS

Colorado's Decision Support Systems

Needle Rock Ditch Diversion



Legend

- County
- Citations

Location



Notes

1.77 0 0.89 1.77 Miles

1: 56,128



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 7/31/2017 6:48:53 PM