



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

September 28, 2015

Ouray County
Attn: Martha Whitmore, County Attorney
P.O. Box C
Ouray, CO 81247

RE: **Official Notice to Proceed** - WSRA Grant – POGG1 2016-395 Ouray County – Upper
Uncompahgre Basin Water Supply Protection & Enhancement Project

Dear Ms. Whitmore,

This letter is to inform you that the purchase order to assist in the above WSRA grant project was approved on September 28, 2015. This email documentation serves as the original contracting documents.

With the executed purchase order, you are now able to proceed with the project and invoice the State of Colorado for costs incurred through June 1, 2016 according to the Schedule in Exhibit A.

Please provide the project name, purchase order number, and basin when corresponding with or invoicing the State of Colorado for your project. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 30 days after review and signed approval by the project manager. I wish you much success in your project.

If you have any questions or concerns regarding the project, please contact me. You can contact Dori Vigil at 303-866-3441 ext. 3250 for invoicing and payment disbursement questions.

Sincerely,

//s//

Brent Newman, Program Manager

Water Supply Planning Section

1313 Sherman Street, Suite 723, Denver, CO 80203

O 303.866.3441 x3222 | C 303.681.8420

Brent.newman@state.co.us

www.cwcb.state.co.us | www.coloradowaterplan.com

Attachments





STATE OF COLORADO
Department of Natural Resources

ORDER		** IMPORTANT **				
Number: POGG1 PDAA 20160000000000000395		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 09/28/15						
Description: PDAA 2500 WSRA Upper Uncompahgre Basin WS Protect & Enhance		BILL TO COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date: 09/28/15 Expiration Date: 06/01/16						
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718				
		DENVER, CO 80203				
VENDOR		SHIPPING INSTRUCTIONS				
OURAY COUNTY		Delivery/Install Date:				
PO BOX C		F.O.B:				
OURAY, CO 81427-0683		VENDOR INSTRUCTIONS:				
Contact: .						
Phone: .						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$25,000.00	☐
Description: PDAA 2500 WSRA Upper Uncompahgre Basin WS Protect & Enhance						
Service From: 09/28/15 Service To: 06/01/16						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$25,000.00	☐
Description: PDAA 2500 WSRA Upper Uncompahgre Basin WS Protect & Enhance						
Service From: 09/28/15 Service To: 06/01/16						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$50,000.00						

**EXHIBIT A
AMMENDED 5-12-2015**

SCOPE OF WORK

**UPPER UNCOMPAHGRE BASIN WATER SUPPLY PROTECTION AND
ENHANCEMENT PROJECT**

Task 1 – Coordination and development of background information.

Meet with the City of Ouray, Town of Ridgway, Log Hill Village, agricultural water users, Colorado River Water Conservation District, Colorado Water Conservation Board, Uncompahgre Valley Water Users Association, Colorado State Engineers Office, and Tri-County Water Conservancy District to gather baseline information and discuss water needs, potential sources and issues.

A preliminary draft of the report will be circulated and comments incorporated into the final draft. A meeting will be conducted with the stakeholders to review the final draft in preparation of the final report.

Task 2 – Develop current and future water demand and depletion estimates.

Review existing reports, modelling and analysis to gather existing information on water availability and current and future water demand and depletions analysis.

Municipal and Industrial

Work will include incorporating the City of Ouray, Town of Ridgway and Log Hill water demands and depletions; identifying additional centralized water systems and industrial water depletions such as Ouray County Gravel Operations, active mining facilities, hydropower and others; calculating water demands and depletions for unincorporated residential water users that are not served by a central water system; analyzing future demands and depletion scenarios by incorporating existing data for future water projections and analyzing additional future water growth scenarios with input from stakeholders.

Agricultural

Using readily available information from planning documents, Task 1 coordination meetings with water users, and the Colorado Decision Support system, work will include characterization of irrigated acreage, crop consumptive use, diversion rates and return flows; discussions with Upper Uncompahgre Water Users Association to review and adjust existing and future irrigated acreage water demand and depletion estimates; and evaluation of water shortages for irrigated agriculture and water demand and augmentation needs.

Non Consumptive Environmental and Recreational Water Demands

Evaluate existing instream flow water rights, and non-consumptive use along with potential future water demands for water-based recreation, including boating and fishing. Evaluate potential impacts of future water demands on existing instream flow water rights and non-consumptive uses.

Dallas Project Conditional Water Rights

There are several conditional water rights associated with the Dallas Project and several reports that have been generated from due diligence proceedings. Evaluate the available literature and data and calculate the contemplative draft for the conditional water rights of the various components of the Dallas Project.

Task 3 - Spatial and Temporal Water Demand and Depletion Analysis

Evaluate existing and future water demands and depletions, Dallas Project contemplative draft, water supply shortages, augmentation requirement and exchange potential on a monthly time step for the following reaches in the Upper Uncompahgre River Basin:

- Uncompahgre River and tributaries downstream of Ridgway Reservoir to Colona (Ouray County)
- Cow Creek and tributaries
- Uncompahgre River and tributaries from Ridgway Reservoir to Portland
- Uncompahgre River and tributaries from Portland to Ouray
- Dallas Creek and tributaries from Ridgway Reservoir to Confluence with East Fork and West Fork of Dallas Creek
- Pleasant Valley Creek
- East Fork of Dallas Creek and tributaries
- West Fork of Dallas Creek and tributaries

The analysis will provide average year and dry year estimates of water demands, shortages, augmentation needs and exchange potential for the reaches listed above, both for existing and future growth scenarios.

Task 4 – Evaluate Ridgway Reservoir

Evaluate Ridgway Reservoir, given existing and future demand schedules, as a potential augmentation source. Work closely with Tri-County Water Conservancy District, USBR and Uncompahgre Valley Water Users Association on water supply and demand projections. Assess potential water supply availability from Ridgway Reservoir for augmenting Upper Uncompahgre river basin depletions.

Task 5 – Study of Potential Augmentation Supplies and Combinations

The study will include:

- A literature review and cataloging of previously studied Reservoir Sites and transbasin diversions.
- Identifying additional reservoir sites, recharge sites and potential transbasin diversions by subbasin.
- Evaluating potential water supplies in Ridgway Reservoir that may be used to offset depletions in the Upper Uncompahgre and Dallas Creek Watersheds and constraints and exchange potential through existing CWCB instream flows to locations with shortages and augmentation needs.
- Evaluating options for meeting water needs from combinations of upstream reservoir and transbasin diversion rights and exchanging Ridgway reservoir water upstream for each subbasin for existing and future uses.
- Analyzing Dallas Project conditional water rights.
- Evaluating potential recharge sites to retime aquifer accretions, potential interruptible supply contracts and fallowing concepts for augmentation water supply development.

Task 6 – Report Preparation

The report will include the preparation of tables, figures, and analysis of current and future water demands, shortages, by month and water use sector for each stream reach identified above. The report will describe water supply availability in Ridgway Reservoir and exchange potential for upstream exchanges. The report will identify locations and cursory information on potential upstream replacement sources including reservoir sites. The report will include a contemplative draft of the Dallas Project Conditional Water Rights. The report will provide future water development scenarios and provide recommendations on future water supply development projects in order to facilitate a future augmentation and exchange plan for the Upper Uncompahgre River Basin including conceptual cost opinions and a preliminary analysis of potential impacts.

A synopsis of water demands and supplies will be prepared for each jurisdiction and reviewed with each jurisdiction before providing to the overall stakeholders group. A preliminary draft of the report will be circulated to stakeholders and comments will be incorporated into the final draft. A meeting with stakeholders will be conducted for review of the final draft. Comments from this meeting will be incorporated to produce the final report.

Table 1
Upper Uncompahgre River Basin Water Supply Protection and Enhancement Study
Budget Breakdown by Task

Task No.	Description	WSRA Roundtable	WSRA Statewide	Cash Match	Total
Task 1	Coordination and Development of Background Information		\$ 2,500	\$ 2,500	\$ 5,000
Task 2	Develop current and future water demand and depletion estimates	\$ 7,500		\$ 7,500	\$ 15,000
Task 3	Spatial and Temporal Water Demand and Depletion Analysis	\$ 7,500		\$ 5,000	\$ 12,500
Task 4	Evaluate Ridgway Reservoir	\$ 5,000	\$ 10,000		\$ 15,000
Task 5	Study of Potential Augmentation Supplies and Combinations	\$ 5,000	\$ 10,000	\$ 5,000	\$ 20,000
Task 6	Report Preparation		\$ 2,500	\$ 5,000	\$ 7,500
Total		\$ 25,000	\$ 25,000	\$ 25,000	\$ 75,000

Note: Budget breakdown by task is estimated; reallocation of money between tasks may be necessary. Total Project cost not to exceed \$75,000.

Table 2**Upper Uncompahgre River Basin Water Supply Protection and Enhancement Study
Schedule**

Task	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Task 1 - Coordination and Development of Background Information						
Task 2 - Develop current and future water demand and depletion estimates						
Task 3 – Spatial and Temporal Water Demand and Depletion Analysis						
Task 4 - Evaluate Ridgway Reservoir						
Task 5 – Study of Potential Augmentation Supplies and Combinations						
Task 6 – Report Preparation						

Notes:

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This scheduling method allows flexibility in the event of potential delays from the procurement process.