



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 12, 2015

Mr. Mark Harris, General Manager
Grand Valley Water Users Association
1147 24 Road
Grand Junction, CO 80405-9639

RE: Notice to Proceed - WSRA Grant – POGG1 2015-289 Grand Valley Water Users
Association Water Management Plan Update

Dear Mark,

This letter is to inform you that the purchase order to assist in the above WSRA grant project was approved on June 12, 2015. This email serves as the original documentation for your records.

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 30, 2017 according to the schedule in Exhibit A. Please provide the project name, contract or 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

O 303.866.3441 x3222 | C **303.681.8420**

1313 Sherman Street, Suite 723, Denver, CO 80203

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 20150000000000000289		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 06/11/15						
Description: PDAA 2500 WSRA GVVUA Management Plan Co Riv		BILL TO				
Effective Date: 06/11/15 Expiration Date: 06/30/17		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
VENDOR		SHIPPING INSTRUCTIONS				
GRAND VALLEY WATER USERS ASSN 1147 24 RD GRAND JUNCTION, CO 81505-9639		Delivery/Install Date:				
Contact: Mark Harris		F.O.B:				
Phone: 9702425065		VENDOR INSTRUCTIONS:				
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$45,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRA GVVUA Management Plan Co River Basin						
Service From: 06/12/15 Service To: 06/30/17						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$45,000.00						

Water Supply Reserve Account – Application Form Exhibit A

Exhibit A

Exhibit A: Objectives, components, and activities to be completed to bring the Project to completion, detailed Budget and schedule of work

Task 1 Gather information and Identify and Prioritize Issues:

Activities to be completed include:

- a. **Conduct Needs & Condition Assessment.** Identify the need for projects associated with the condition of canal segments. This assessment will begin with interviewing GVVUA staff to document known problem areas as well as talking with Reclamation to gain insight have their involvement in this process. The entire canal will be observed with special attention being given to those areas. Photos and written descriptions will be used to document problem areas. Not all of the canals segments will have the same needs and certainly not the same priority of needs. Depending upon the water users, planned improvements may vary. While canal lining seems to be the generally accepted “best method” for water conservation and reduced operation and maintenance costs for the Highline Canal, other improvement options should be considered, particularly as each improvement option relates to potential funding opportunities. These other options would include improvements to canal structures, screening, sediment removal, telemetry, automation, and so forth.
- b. **Identify Water Loss.** Review historical information on the canal related to water loss. Document the estimated historical seepage rates for the canal based on documented information and/or historical knowledge.
- c. **Identify Environmental Concerns.** Identify the environmental concerns and issues that exist and how the proposed project or projects might impact the environment. Included here would be an estimate of salinity reduction potential as well as wildlife and plant life impacts which will likely come into play as habitat replacement components of projects. While this portion of the Management Plan is not intended to be a full environmental study, it is anticipated that any significant concerns would be identified as well as possible mitigation measures.
- d. **Explore Regional and Cultural Issues.** Identify the regional and cultural issues that exist and how the proposed project or projects might impact these issues. This portion of the Management Plan is not intended to be a cultural assessment as might be required for a federal environmental



Water Supply Reserve Account – Application Form Exhibit A

document. It is intended to identify the culturally-sensitive areas of the study as part of determining project impact and priorities.

- e. **Investigate Renewable Energy Feasibility.** A cursory evaluation of renewable energy potential and feasibility with the sole intent of providing information that might be necessary to compete for certain funding opportunities that exist. This is not intended to be an in-depth evaluation.

Task 2 Set Goals for Project Development

Activities to be completed include:

- a. **Project Identification.** Proposed project improvements will also be identified in association with problem areas discovered in the condition assessment. These other options could include improvements such as canal lining, canal structures, screening, sediment removal, telemetry, automation, and so forth that will help satisfy the requirements of Reclamation and the commitments made in the CRCA

Task 3 Identify and Evaluate Candidate Management Measures

Activities to be completed include:

- a. **Conduct Benefits Assessment.** Identify the benefits that are anticipated from doing the projects. Such benefits could include understanding the level of water conservation, reduced operation and maintenance costs, increased capacity, improved water control, improved record keeping, impact of economic benefits in ways of jobs, recreational opportunities and so forth.
- b. **Develop Opinions of Probable Cost.** Identify the probable cost of the projects associated with each project. The costs will be based upon a conceptual level design in present-day dollars.
- c. **Determine Resources and Identify Issues.** From information gathered in step one “Gather information and Identify and Prioritize” identify issues and resources that exist and how the proposed project or projects will fulfill the goals of the plan.

Task 4 Define and Develop Management Program

Activities to be completed include:

- a. **Prioritize Projects.** Based upon the factors identified above and with the assistance of GVVUA and input from Reclamation and others the projects will be prioritized in a weighted ranking system and compared. The factors identified above will be “weighted” based upon their importance to the Association from a system optimization perspective and those weighted factors will determine the ranking of each project.
- b. **Create Strategic Funding Plan.** Develop a Strategic Funding Plan that will identify funding opportunities over the next five years for high priority projects and over the next 20 years for those needs identified by the updated Water Management Plan. Categorize and investigate which funding paths should be used for certain types of projects and the information required to make these applications. This funding plan will include federal, state and private grant and loan opportunities. The strategic portion of this plan will consider the best way to maximize funding opportunities and may impact project priorities.

Water Supply Reserve Account – Application Form Exhibit A

Task 5 Prepare Written Plan, Document Implementation Plans and Final Reports and Close Out **Activities to be completed include:**

- a. **Prepare the Plan.** An Updated Management Plan Document will be prepared which documents the process, establishes a schedule for implementation, and provides for the resources and priority projects established from the information described above.
- b. **Final Report.** Final reporting will be prepared ready to close the project as soon as final approval is made on the document. The deliverable will be a bound document that includes:
 - A description of the Condition Assessment with canal segments identified by stationing. Maps and photos will be included.
 - A description of project options and benefits identified by the same segments as the Condition Assessment. Maps and an opinion of probable cost for each project will also be included in the Appendices.
 - A general description of environmental and cultural concerns.
 - A general description of renewable energy potential.
 - A funding section which will include a general description of potential funding sources as well as a strategic approach and schedule for each project.
 - A schedule of project priorities. Project priorities will be greatly influenced by the Funding Plan.
 - Appendices. These will include maps, opinion of probable costs, schedules, information gathered during the investigation of the canal assessment, etc.

Schedule.

Once project funding is in place, the preparation of the Updated Management Plan is expected to take 12 to 18 months to complete.

ESTIMATED PROJECT SCHEDULE										
October 2015 – July 2016										
<i>Milestone/Task</i>	Oct –Nov 2015	Dec 2015	Jan – Feb 2016	Mar – Apr 2016	May – June 2016	July – Aug 2016	Sep – Oct 2016	Nov – Dec 2016	Jan – Feb 2017	Mar – Apr 2017
Task 1 Gather information and Identify and Prioritize Issues										
Task 2 Set Goals for Project Development										
Task 3 Identify and Evaluate Candidate Management Measures										
Task 4 Define and Develop Management Program										
Task 5 Prepare Written Plan, Document Implementation Plans										
Task 5. b - Final Reports Close Out										

**Water Supply Reserve Account – Application
Form Exhibit A**

Budget

BUDGET ITEM DESCRIPTION	COMPUTATION		TOTAL COST
	\$/Unit and Unit	Quantity	
CONTRACTUAL			
Task 1			
Conduct Needs & Condition Assessment	HR	55	\$7,760
Identify Water Loss	HR	40	\$4,780
Identify Environmental Concerns	HR	44	\$5,700
Explore Regional and Cultural Issues	HR	50	\$6,950
Investigate Renewable Energy Feasibility	HR	34	\$4,450
Task 2			
Project Identification & Benefits Assessment	HR	140	\$17,080
Task 3			
Conduct Benefits Assessment	HR	68	\$8,150
Develop Opinions of Probable Cost	HR	40	\$5,120
Determine Resources and Identify Issues and Resources	HR	28	\$3,050
Task 4			
Prioritize Plan and Funding	HR	70	\$9,850
Task 5			
Draft and Final Plan	HR	52	\$7,110
TOTAL PROJECT COSTS			\$80,000

