



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

WSRF – Gunnison – POGG1 2020-2131
Overland Reservoir, Construct Reservoir Level Gauge

August 15, 2020

Overland Ditch & Reservoir Company
Attn: Shellie Gies, Secretary/Treasurer
30095 Redlands Mesa Road
Hotchkiss, CO 81419

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 Overland Reservoir, Construct Reservoir Level Gauge 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, Overland Ditch & Reservoir Company, agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Craig Godbout, Project Manager at 303-866-3441 or at Craig.Godbout@state.co.us. Please send all grant correspondence directly to Craig 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

Cc: Bruce Marvin, Engineering Consultant





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ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,202000002131	The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.				
Date:	8/19/19	BILL TO				
Description:	PDAA 2500 WSRF OVERLAND RES. CONSTRUCT RES. GAUGE	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date:	08/15/19	SHIP TO				
Expiration Date:	-	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
BUYER		SHIPPING INSTRUCTIONS				
Buyer:		Delivery/Install Date: -				
Email:		FOB: FOB Dest, Freight Allowed				
VENDOR						
OVERLAND DITCH & RESERVOIR COMPANY 28444 REDLANDS MESA RD HOTCHKISS, CO 81419-6210						
Contact:	.					
Phone:	.					
VENDOR INSTRUCTIONS						
EXTENDED DESCRIPTION						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$19,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF OVERLAND RES. CONSTRUCT RES. GAUGE						
Service From: 08/15/19		Service To: 07/31/24				
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$19,238.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF OVERLAND RES. CONSTRUCT RES. GAUGE						
Service From: 08/15/19		Service To: 07/31/24				
TERMS AND CONDITIONS						
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions						



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DOCUMENT TOTAL = \$38,238.00



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	11/28/18
Water Activity Name:	Overland Reservoir, Construct Reservoir Level Gauge
Grant Recipient:	Overland Ditch and Reservoir Company
Funding Source:	Gunnison Basin Account/Statewide Account
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.	
<p>The proposed activity consists of replacing the existing reservoir level gauge rod with a reinforced, post-tensioned concrete stemwall and footing that will be marked at the required reservoir level intervals and will be stable enough to resist the forces of ice and shifting rip-rap. The work will include removing the existing gauge rod pipe and rip rap along the gauge wall alignment. The alignment for the new gauge wall will be graded and excavated for the footing. The reservoir level gauge markings will consist of numerals at one foot elevation increments and stainless steel drilled-in-place wedge anchors placed at 0.1 foot elevation increments between the one foot marks. All of these elevation marks will be surveyed during installation to assure that they are placed at their exact respective locations along the top of the wall. After completion of the gauge wall and installation of the numbers and other marks, the wall will be backfilled with rip rap taking care not to disturb the wall. This new reservoir level gauge will extend to a high enough elevation to include reservoir storage levels which would be achieved with the proposed enlargement of Overland Reservoir. The WSRF funding will be used for engineering, construction, inspection, documentation and administration.</p>	
Objectives: (List the objectives of the project)	
<ol style="list-style-type: none">1. Remove the existing non-functional reservoir level gauge system2. Install a new calibrated reservoir level gauging system that will be stable against ice and shifting influences.3. Extend the new gauging system to a high enough elevation to include potential future reservoir level possibilities.	



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DOCUMENT TOTAL = \$38,238.00



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 - Final Permitting and Engineering</u>
Description of Task: Obtain necessary permits, approvals and prepare construction documents
Method/Procedure: This task will include obtaining all environmental, land use, access and other related permits. The work will also include any necessary field investigations and surveys. Final design drawings and specifications will be prepared including review and approval by the Colorado State Engineer, Dam Safety department.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Approved and signed permits.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) Approved and signed permits, investigation reports, drawings and specifications.



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Tasks
<u>Task 2 - Construction</u>
Description of Task:
<p>Construct the reservoir level gauge including all related quality assurance testing and inspections. Following is a description of the subtask and line items in the detailed cost estimate (Exhibit B):</p> <p>Mobilization and Demobilization (Mob and Demob): Mob and Demob costs include initial and final transportation of equipment to and from the project site.</p> <p>Remove and replace rip rap and foundation excavation: It will be necessary to initially remove rip rap from the upstream slope of the dam along a strip sufficiently wide and long to accommodate both the newly constructed reservoir level gauge and construction equipment. After the level gauge has been completed, the rip rap will be placed around the level gauge to the original lines and grades.</p> <p>Furnish and install rebar: This will involve purchasing rebar, fabricating it to the required lengths and shapes, transporting it to the work site and tying and supporting it in its final position.</p> <p>Furnish and place concrete including formwork: Forms will be erected to match the lines and grades of the design and concrete will be transported to the site, conveyed to the forms (possibly by pumping), placed, consolidated finished and cured. After adequate curing, forms will be stripped and curing compound applied as necessary.</p> <p>Furnish and install post-tensioning bars: Because the concrete beam for the reservoir level gauge will be subject to freezing temperatures and ice forces, it will be important to minimize the development of curing and thermal cracks. This will be done by installing post-tensioning bars lengthwise in the concrete beam (during rebar placement). The post-tensioning bars will be placed inside of sleeves for later tensioning. After the concrete has sufficiently cured, the bars will be tensioned using either hydraulic jacks or torque multiplier manual wrenches.</p> <p>Furnish number plates, anchor bolts and other hardware: Number plates will be installed to mark even feet of elevation above the gauge zero elevation. The gauge number plates will consist of ceramic-coated plates which will be secured to the concrete beam using stainless steel wedge anchor bolts. The tenth of foot elevation marks will be made using stainless steel wedge anchor bolts.</p> <p>Equipment standby: Equipment will not be required for full-time use on the job. Therefore, there will be some equipment idle time that needs to be reimbursed.</p> <p>Construction inspection: Colorado dam safety regulations require that the project engineer certify that the work was performed in accordance with approved plans and specifications. This requires that the engineer provide nearly full time inspection and that specified quality assurance testing is performed.</p>



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Method/Procedure:
This task will encompass all activities related to constructing the new reservoir level gauge including construction surveys, mobilization and demobilization of all necessary equipment, removal of the existing reservoir level gauge, temporary removal of rip rap, preparation of the foundation, furnishing all materials, forming and placing the concrete, post-tensioning the wall, installing the level gauge numerals and marks, backfilling the wall, performing all necessary quality assurance tests, and all quality assurance inspections.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Invoices and payment requests.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Invoices, payment requests, grant disbursement requests and project status reports.
Provide a detailed description of each task using the following format:



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 - Completion Documentation</u>
Description of Task:
Document all construction activities.
Method/Procedure:
This task will include preparing a construction report containing a description and chronology of all construction activities, photo records, field changes to the design, unexpected conditions encountered, quality assurance test results and inspection reports and any notes from any significant meetings. Also, as-constructed drawings will be prepared. Also included will be a summary of matching contributions.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Quality assurance testing performed by entities other than the engineer.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final construction report, as-constructed drawings and summary of matching contributions.



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 4 - Grant and Project Administration</u>
Description of Task:
Provide administrative services for the project in general as well as for the WSRF grant.
Method/Procedure:
This task will include preparing and reviewing pay requests, submitting WSRF grant disbursement requests, providing periodic completed work summaries and documentation, preparing and distributing project status reports, reviewing and requesting contract modifications for the construction work and/or the WSRF grant agreement, requesting and providing clarification regarding construction and grant contractual issues, assuring that permit conditions are satisfied, communicating with permitting and funding agencies.
Estimated costs for task 4 consist of 3.8% of the total project costs
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Quality assurance testing performed by entities other than the engineer.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final construction report, as-constructed drawings and summary of matching contributions.

Repeat for Task 3, Task 4, Task 5, etc.



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Budget and Schedule

Exhibit B - Budget and Schedule: 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](#). 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.

Water Supply Reserve Fund
EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Water Activity Name: Overland Reservoir, Construct Reservoir Level Gauge

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
1	Final Permitting and Engineering	9/1/2019	9/1/2021	\$2,500	\$4,343	\$6,843
2	Construction	9/1/2019	9/1/2021	\$7,060	\$30,349	\$37,409
3	Completion Documentation	9/1/2019	9/1/2021	\$0	\$1,710	\$1,710
4	Grant and Project Administration	9/1/2019	9/1/2021	\$0	\$1,836	\$1,836
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$9,560	\$38,238	\$47,798

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

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

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

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 further 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.

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