



Arkansas – Flume & Hayden Reservoirs
POGG1 2019-2396

October 31, 2018

Lake County Government
Attn: Sarah Mudge, County Commissioner
P.O. Box 964
Leadville, CO 80461

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your application for funding pursuant to the WSRF Grant Program (“Program”) in the amount of \$47,905.00. This letter authorizes you to proceed with the Flume_Hayden Reservoir 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, Lake County Government, agree by accepting the Grant Funds.

The WSRF Criteria & Guidelines can be located on our website for additional information.

If you have any questions or concerns regarding the project, please contact Rachel Pittinger, Project Manager at 303-866-3441 or at Rachel.Pittinger@state.co.us. Please send the 6-month progress reports and invoices directly to the Project Manager and cc me at Dori.vigil@state.co.us.

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

Attachments



STATE OF COLORADO
Department of Natural Resources

Page 1 of 2

ORDER

*****IMPORTANT*****

Number: POGG1,PDAA,201900002396

Date: 10/31/18

Description:

PDAA 2500 WSRF LAKE CNTY - DERRY
FLUME_HAYDEN RESERVOIR

Effective Date: 11/01/18

Expiration Date: 10/30/20

The order number and line number must appear on all invoices, packing slips, cartons, and correspondence. Please review each line for its corresponding shipping/billing address and delivery instructions.

BUYER

Buyer:

Email:

VENDOR

LAKE COUNTY

Commissioners

PO BOX 964

LEADVILLE, CO 80461-0964

Contact: ,

Phone: ,

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$2,400.00	<input type="checkbox"/>
Description:	PDAA 2500 WSRF LAKE CNTY - DERRY FLUME_HAYDEN RESERVOIR					

Service From: 11/01/18

Service To: 10/30/20

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date: -

Ship To:

Bill To:

COLORADO WATER BOARD
CONSERVATION

COLORADO WATER BOARD CONSERVATION

1313 SHERMAN STREET, ROOM 718

1313 SHERMAN STREET, ROOM 718

DENVER, CO 80203

DENVER, CO 80203

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$23,905.00	<input type="checkbox"/>
Description:	PDAA 2500 WSRF LAKE CNTY - DERRY FLUME_HAYDEN RESERVOIR					

Service From: 11/01/18

Service To: 10/30/20

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date: -



STATE OF COLORADO
Department of Natural Resources

Ship To:		Bill To:	
COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203	
TERMS AND CONDITIONS			
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions			
REASON FOR MODIFICATION			
Change Order Number:		1	
Decrease Basin funding - Incorrect Amount.			
DOCUMENT TOTAL = \$26,305.00			



Last Update: May 19, 2017

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	June 1, 2018
Water Activity Name:	Lake County Derry Flume & Hayden Reservoir Project
Grant Recipient:	Lake County Government
Funding Source:	Arkansas Basin Roundtable, Statewide Account, Lake County
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. Lake County is pursuing funding for Phases Two and Three of a larger six phased project. Lake County completed Phase One through the adjudication of case 2011CW86 and 98CW173. The measurement structures for the water right needs to be placed, including a two-part flume project of installing a measuring device and constructing a diversion from Corske Creek, high on Mt. Elbert. The USFS will remain a key partner, collaborating to be sure that all efforts are mutually beneficial at the Derry site on USFS land. Completing this task will allow Lake to utilize the direct flow in our Augmentation Plan and our integrated system outlined in our decrees. These local efforts match CO Water Plan objectives such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally so that together entities can collaborate to address watershed health, environment, and recreation sustainability and support. Phase two will be completing a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike. Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.	
Objectives: (List the objectives of the project)	
<ol style="list-style-type: none">1. Obtain permitting and a plan in partnership with the USFS for the Derry 3 right2. Purchase and install the flume and diversion infrastructure3. Purchase and Install telemetry station and measuring equipment4. Complete a Bathymetric Survey on Hayden Reservoir5. Manage both projects with close communication and accountability with partners and CWCB	



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – Permitting with the US Forest Service</u>
Description of Task: Lake County will work with the USFS and the Division Engineer to obtain needed USFS permitting, as the county's right and devices will be located on USFS lands. Lake County will continue conversations in finalizing the appropriate type and location of facilities at the Corske Creek diversion site.
Method/Procedure: Lake County will work directly with staff of the USFS and Division Engineers office to assure that the appropriate methods, scope, and considerations are applied to the area at the Derry 3 location on USFS land.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Lake County expects to obtain USFS permitting for the complete install of necessary measuring devises and continued maintenance of our water right.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) CWCB will receive progress reports on the status of this task which will include final documentation of USFS permitting.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Flume Purchase & Install
Description of Task: Lake County will purchase the flume and other needed materials for management of the right. We will use Lake County Public Works department to install the flume and diversion under guidance of the Division Engineer.
Method/Procedure: Lake County will procure the infrastructure and hardware needed by fair bid. Lake County Public works will likely grade the USFS road for continued reasonable access to the site, haul equipment and materials, and work with USFS and other partners to properly install and improve the site of the Derry 3 right.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Lake County will have completed install of measuring devices, allowing us to incorporate this piece we are decreed in our blanket augmentation plan.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Lake County will provide CWCB with proof of purchase, layout documentation, and images of completed install.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 – Telemetry Station & Measuring Equipment Purchase and Install</u>
Description of Task: Lake County will install a telemetry station to facilitate safety and efficiency in the operation and maintenance of the right.
Method/Procedure: This water right location is in a remote location near the base of Mt. Elbert. In considering safety of staff and efficiency of time and dollars, the county has determined that telemetry is the best method for which to monitor, maintain, and report.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Lake County expects that reporting will be received by the county with ease via satellite. We expect to be able to identify physical issues that need immediate attention more easily, as well as allowing the county to comply with our reporting to the Division Engineer, outlined in our decree.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) In the progress report of the project the completion of this task will be outlined with installation dates and completion photos.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 4 – Hayden Reservoir Bathymetric Survey</u>
Description of Task: Lake County will contract for the service of this survey with a contractor selected through the County's procurement procedures.
Method/Procedure: Lake County will review and approve of the methods employed by the selected contractor. Physical capacity measurement of the existing reservoir will be completed on site. Without a contractor selected we are not certain of the methods to be used by contractor for this relatively small body of water (Multi-beam surveying, Single-beam surveying, Acoustic Doppler Current Profiler).
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Lake County expects to receive an area capacity curve for use in monitoring storage volumes of this storage facility.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
In the progress report of the project the completion of this task will result in a documented capacity survey of the reservoir.



Last Update: May 19, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 5 – Project Management</u>
Description of Task: Lake County Commissioners will dedicate time as in-kind contributions to the project which will include permitting, progress reports, documentation, and photos. The purpose of this is to ensure that the project moves forward and gets completed following the budget, tasks, and timeline as outlined.
Method/Procedure: Lake County will manage the project providing oversight and reporting on all the activities.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) To manage the project from beginning to end and completion of progress reports throughout the project.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) Progress reports provided to CWCB showing the permitting, pre-construction, post construction, design, and progress photos will be provided to reflect the work that has been completed.



Last Update: May 19, 2017

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.

Last Update: 10/17/17



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

**Water Supply Reserve Fund
EXHIBIT B - BUDGET AND SCHEDULE**

Date: 11/1/18

Water Activity Name: Flume & Hayden Reservoir

Grantee Name: Lake County

<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	Permitting with USFS	11/1/2018	6/30/2019	\$ 3,000		\$3,000
2	Flume Purchase & Installation	2/15/2019	10/31/2019	\$ 7,000	\$ 12,000	\$19,000
3	Bathymetric Survey	1/15/2019	7/31/2019		\$ 4,000	\$4,000
4	Telemetry Station & Equipment	5/15/2019	11/30/2019		\$ 10,305	\$10,305
5	Grant Administration	11/15/2018	10/30/2020	\$ 3,150		\$3,150
						\$0
						\$0
						\$0
						\$0
Total				\$13,150	\$26,305	\$39,455

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF

(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.

- 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 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.

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