



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Contract CORE No. POGG1 2018-846
CMS #

April 10, 2018

Town of Rico
Attn: Kari Distefano, Town Manager
P.O. Box 9
Rico, CO 81332-009

Dear Kari:

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 \$60,000. This letter authorizes you to proceed with the Water System Engineer's Analysis 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, Town of Rico 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 Megan Holcomb, Project Manager at 303-866-3441 ext. 3222 or at Megan.Holcomb@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

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ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,201800000846	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.				
Date:	04/10/18					
Description:	PDAA 2500 WSRF - WATER SYSTEMS ANALYSIS_SW BASIN					
Effective Date:	04/10/18					
Expiration Date:		04/30/19				
BUYER						
Buyer:						
Email:						
VENDOR						
TOWN OF RICO						
PO BOX 9						
RICO, CO 81332-0009						
Contact: .						
Phone: .						
EXTENDED DESCRIPTION						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$30,000.00	<input type="checkbox"/>
Description:		PDAA 2500 WSRF - WATER SYSTEMS ANALYSIS_SW BASIN				
Service From:		04/10/18	Service To:		04/30/19	
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	\$30,000.00	<input type="checkbox"/>
Description:		PDAA 2500 WSRF - WATER SYSTEMS ANALYSIS_SW BASIN				
Service From:		04/10/18	Service To:		04/30/19	
Delivery Instructions						
FOB:		FOB Dest, Freight Allowed		Delivery Date:		



STATE OF COLORADO
Department of Natural Resources

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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	
DOCUMENT TOTAL = \$60,000.00	



Last Update: October 24, 2017

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	December 14, 2017
Water Activity Name:	Town of Rico Water System Engineer's Analysis
Grant Recipient:	Town of Rico
Funding Source:	Town of Rico
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 Town of Rico would like to engage an engineering firm to provide a detailed analysis of Rico's water systems with the goal of increasing efficiency, quality and productivity. The primary beneficiaries of this project will be the residents of Rico however our guests will also benefit from a more reliable, efficient water system.</p> <p>The Town of Rico has two diversion points. One is Rico Well #1 dated June 2010 and the other is the Silver Creek Flume dated June 1968. At this time, the Silver Creek system is off-line. The proposed scope of work would include both systems. It would consist of an analysis and feasibility study to determine what it would take to re-activate the Silver Creek System. It would also include an evaluation and upgrade plan that would help resolve an average monthly water loss of 47% from the well system. Finally the Town would like to explore the possibility of combining the two systems to create a more reliable water source. WSRF funding would be used to hire an engineering firm to help Rico accomplish the following objectives.</p>	
Objectives: (List the objectives of the project)	
<ul style="list-style-type: none">• To enhance the Town of Rico's municipal water supply by reactivating the Silver Creek system.• To increase the efficiency of Rico's water pipes and reduce water loss from leaks• To create a plan to replace existing exterior meter boxes with interior meters boxes over the course of several years.	



Last Update: October 24, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 - (Name) Silver Creek Engineering Report</u>
Description of Task: Following the issuance of a request for proposals, the Town of Rico will engage an engineering firm to evaluate the Silver Creek diversion point and accompanying infiltration galleries and storage tanks.
Method/Procedure: Engineering analysis to ensure water quality compliance and determine the possibility of bringing the Silver Creek source back on line. The engineering firm that is hired will perform the following tasks: <ul style="list-style-type: none">• Evaluate the infiltration gallery and determine what, if any capital improvements may be required. Suggest a maintenance routine and schedule.• Review and analyze the existing Home Spring filtration system including determining whether or not the Hach turbidity meter should be recalibrated, determining whether the pressure reducing valve controlling the pressure of the raw water into the vessels that hold the initial filters is functioning adequately, and determining whether or not the Home Spring filters are working properly.• Analyze the current condition of the mile long supply line that delivers water from the storage tanks to the Town of Rico.• Provide an engineer's estimate of probable costs for the necessary improvement to make the Silver Creek System operational. This could include a new filtration system.• Determine whether an additional 100,000 storage tank would be necessary to accommodate moderate growth.



Last Update: October 24, 2017

Tasks
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
The engineering firm will supply a comprehensive analysis of the Silver Creek Water system that would include the items listed above. This will allow the Town of Rico to implement a strategy with which to undertake water system improvements.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The Town of Rico will provide the CWCB with a copy of the engineering analysis as well as copies of invoices from the selected engineering firm and proof of payment.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2 Evaluation of Water Line from Rico Well #1 to ensure water conservation measures.</u>
Description of Task:
Following the issuance of a request for proposals, the Town of Rico will engage an engineering firm to evaluate the water line from the Rico Well #1 throughout the Town of Rico including service lines and meter boxes.
Method/Procedure: Engineering Evaluation



Last Update: October 24, 2017

Tasks

The engineering firm that is hired will perform the following tasks:

- Suggest a meter replacement plan that would replace exterior meters with meters located within building and ultimately ensure that all meters are functioning properly and can be read remotely thus confirming household conservation measures are working.
- Provide the Town of Rico with a proposed water line replacement schedule.
- Provide a study of the chemical composition of the water of both Well #1 and Silver Creek to ensure that mixing water from the two systems would not cause corrosion in the pipes and leave Rico with a Flint Michigan type situation.
- Estimate costs associated with the suggested improvements so the Town of Rico can begin to develop a capital improvement plan.
- Determine whether or not it would be possible to treat the well water to prevent mineral build-up in appliances.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

The engineering firm will supply a comprehensive analysis of the water pipe system that would include the items listed above. This will allow the Town of Rico to determine a strategy with which to undertake water system improvements.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

The Town of Rico will provide the CWCB with a copy of the engineering analysis as well as copies of invoices from the selected engineering firm and proof of payment. The Town of Rico will also provide the CWCB with a written plan explaining these strategies and how they will be incorporated into our capital improvement plan and our land use code.

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

Budget and Schedule

Budget: This Statement of Work and Schedule shall be accompanied by a Budget ([link?](#)) that reflects the Tasks identified in the Statement of Work and Schedule and shall be submitted to CWCB in an excel format.

Schedule: This Statement of Work and Budget shall be accompanied by a Schedule ([link?](#)) that reflects the Tasks identified in the Statement of Work and Budget and shall be submitted to CWCB in an excel format.



Last Update: October 24, 2017

Reporting Requirements

Reporting: The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, the completion or partial completion of the tasks identified in the Statement of Work including a description of any major issues that have occurred and any corrective action to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

Final Deliverable: At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

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.

Last Update: May 19, 2017



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit B - BUDGET AND SCHEDULE

Date: 12/12/2017

Water Activity Name: Water Systems Analysis

Grantee Name: Town of Rico

<u>Task No.</u>	<u>Description</u>	<u>Start Date</u> ⁽¹⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽²⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽²⁾	<u>Total</u>
<u>1</u>	The Town of Rico will engage an engineering firm to evaluate the Silver Creek diversion point and accompanying infiltration galleries and storage tanks.	4/10/18	4/30/19	\$30,000	\$30,000	\$60,000
2	The Town of Rico will engage an engineering firm to do an evaluation of the water line from Rico Well #1 throughout the Town of Rico to ensure water conservation measures.	6/15/18	4/30/19	\$30,000	\$30,000	\$60,000
Total				\$60,000	\$60,000	\$120,000

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

(2) Round values up to the nearest hundred dollars.

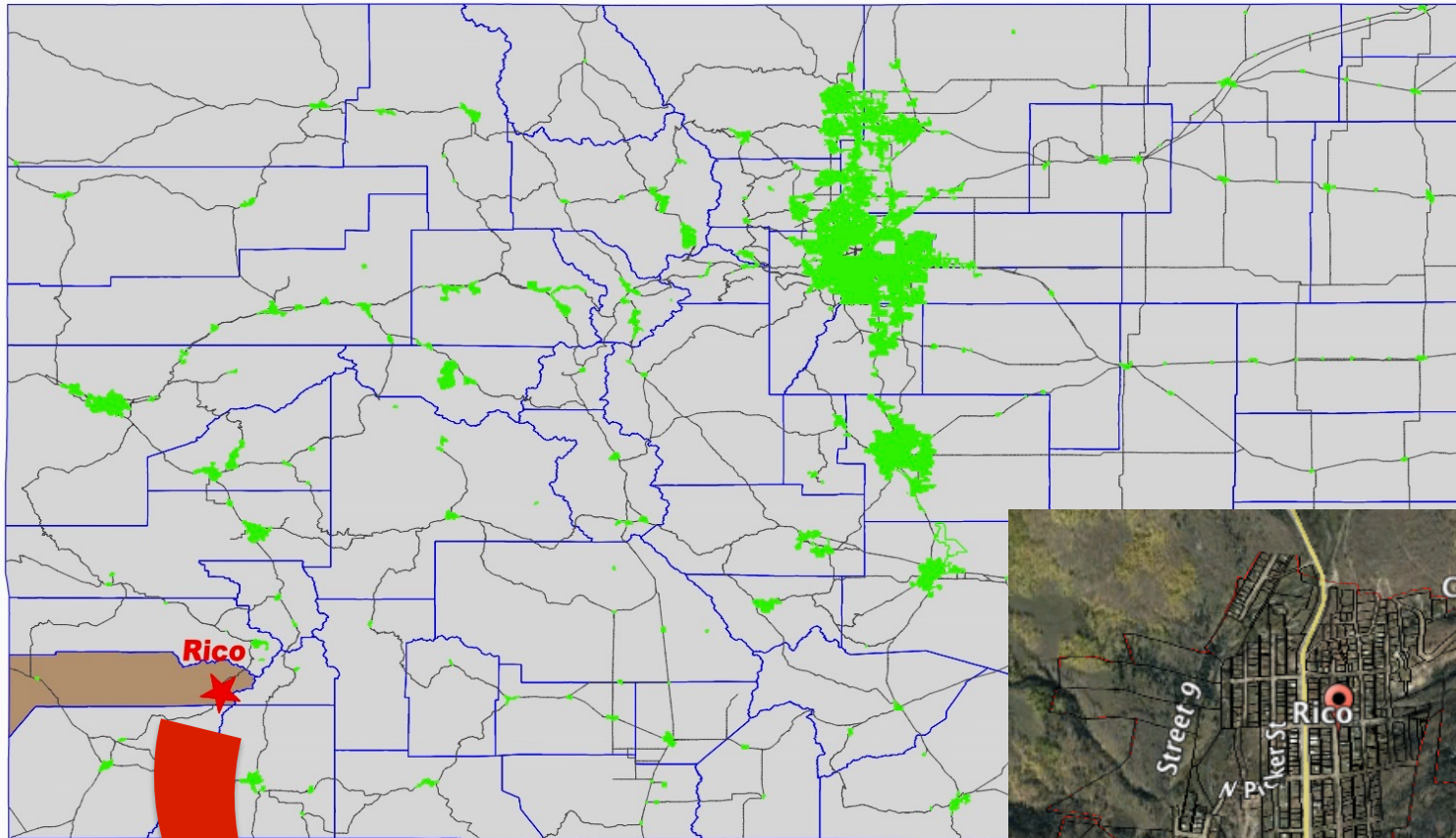
Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

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.

Engineering

Town of Rico Water Systems Engineering Analysis				Water Consultants				Subcontracts							
Evaluation of Existing Facilities	Senior Principal Engineer	Senior Water Resources Engineer	Water Resources Engineer	Geologist/ Water Resources Analyst	Chemist/ Water Quality Analyst			Geotechnical	Water Rights and other Legal						
	\$ 190	\$ 160	\$ 130	\$ 100	\$ 100	Subtotal	Lump sum		Subtotal						
Estimated Hours															
Evaluation of Existing Infiltration Gallery	2	4	16	0	0	\$3,100		\$0	\$0	\$0	\$0	\$0	\$3,100		
Evaluation of Existing Filtration System	2	4	8	0	8	\$2,860		\$0	\$6,000	\$0	\$0	\$6,000	\$8,860		
Evaluation of Silver Creek as Hydroelectric Power Source	0	1	4	0	0	\$680		\$0	\$0	\$0	\$0	\$0	\$680		
Evaluation of Existing Supply Line to Tanks	1	2	8	0	0	\$1,550		\$4,000	\$0	\$0	\$0	\$4,000	\$5,550		
Evaluation of Existing Tanks	1	2	6	0	0	\$1,290		\$0	\$0	\$0	\$0	\$0	\$1,290		
Water Quality Testing & Analysis	2	4	4	8	20	\$4,340		\$0	\$0	\$0	\$0	\$0	\$4,340		
	8	17	46	8	28	\$ 13,820									
Cost Estimates of Necessary Improvements and Administration	Senior Principal Engineer	Senior Water Resources Engineer/Consultant	Water Resources Engineer	Geologist/ Water Resources Analyst	Chemist/ Water Quality Analyst			Geotechnical	Water Rights and other Legal		Technical editing and proofing	Report Word Processing and Graphic Design			
	\$190	\$160	\$130	\$100	\$100	Subtotal	Lump sum			Lump Sum	Lump Sum	Subtotal			
Estimated Hours															
Cost Estimate for Infiltration Gallery Improvements	0	2	8			\$1,360						\$0	\$1,360		
Cost Estimate for Filtration System Improvements	0	2	6			\$1,100						\$0	\$1,100		
Cost Estimate for Supply Line Improvements	0	2	4			\$840						\$0	\$840		
Cost Estimate for Tank Improvements	0	2	4			\$840						\$0	\$840		
Cost Estimate for Replacing Meters	0	2	8			\$1,360						\$0	\$1,360		
Cost Estimate for Remote Sensing (SCADA) Controls	0	2	4			\$840						\$0	\$840		
Project Management	5	7	6	4	3	\$3,550						\$0	\$3,550		
Report, Conclusions and Recommendations	25	40	16	10	10	\$15,230		\$ 1,000	\$ 1,500	\$ 1,500	\$ 4,000	\$8,000	\$23,230		
	30	59	56	14	13	\$25,120									
Subtotal Hours	38	76	102	22	41	279									
Subtotal Labor/ Subcontractor cost	\$7,220	\$12,160	\$13,260	\$2,200	\$4,100	\$38,940		\$ 5,000	\$ 7,500	\$ 1,500	\$ 4,000	\$18,000	\$113,880		
Subcontractor Administration Fee @ 5%								\$250	\$375	\$75	\$200	\$900	\$900		
Other Direct Costs (see below)															
Total													\$119,218		

Other Direct Costs							<div><div>CWCB Funds</div><div>\$60,000</div><div>Total</div></div>	<div><div>Southwest Water Conservancy District</div><div>\$30,000</div></div>	<div><div>Town of Rico</div><div>\$30,000</div></div>
Item:	Copies & Printing (Black & White)	Copies & Printing (Color)	Materials and Final Report Production	Lodging and Meals	Travel Expenses (Airfare and Car Rental)	Mileage			
Units:	No.	No.	Lump Sum	Per Diem	Lump Sum	Miles			
Unit Cost:	\$0.10	\$0.50		\$ 100.00		\$0.535			
Total Units:	550	290	1,900	10		2,500			
Total Cost:	\$55	\$145	\$1,900	\$1,000	\$0	\$1,338	\$4,438		



Town of Rico CWCB
Grant Request
Project Area

