COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Basin – Ag Water Plan for Garfield County
Contract CORE No. POGG1 2018-1014
CMS #

June 13, 2018

Bookcliff, South Side and Mount Sopris Conservation Districts
Attn: Sharie Prow, District Administrator
258 Center Drive
Glenwood Springs, CO 81601

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") for $100,000.00. This letter authorizes you to proceed with the Ag Water Plan for Garfield County 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, Bookcliff, South Side and Mount Sopris Conservation Districts, 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 Alexander Funk, Project Manager at 303-866-3441 or at Alexander.funk@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

ORDER ******IMPORTANT******

Number: POGG1,PDAA,201800001014

Date: 6/13/18

Description:

PDAA 2500 AG WATER PLAN FOR GARFIELD COUNTY

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.

Effective Date: 06/13/18 **Expiration Date:** 07/31/20

BUYER

Buyer:

Email:

VENDOR

Garfield Pitkin Counties Conservation Districts

Bookcliff South Side and Mount Sopris
258 Center Dr

Glenwood, CO 81601

Contact: .

Phone: .

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	$100,000.00	☐

Description: PDAA 2500 AG WATER PLAN FOR GARFIELD COUNTY

Service From: 06/13/18 Service To: 07/31/20

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

TERMS AND CONDITIONS

https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions

DOCUMENT TOTAL = $100,000.00

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date: (include all edit date)	**1/17/2018 - 2/24/2018**
Water Activity Name:	**Initiate landowner and water right owners involvement**
Grant Recipient:	**Bookcliff, South Side and Mount Sopris Conservation Districts**
Funding Source:	**Colorado Basin Roundtable**

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.

The long-term goal of the Colorado River Consumptive Use Plan is to ensure the ability of agriculture to produce food and fiber for the local, regional, national and world population. Water is a consumable input in production of food and fiber just as other inputs such as nutrients, fuel, labor, and expenses to control pests and disease. As water shortages compound from a variety of purposes and various causes, it will be this lack of water to grow the needed food supply that will become and predominate as the highest use, equaling use of water for human uses. Water for agriculture production must remain with the land area so we can raise the products that meet the food needs of wide spread diets and increased populations. Meeting these demands for a growing and vibrant agriculture may mean new crops requiring more water to meet the public demands.

Agriculture heritage and culture is important to preserve land and water resources to provide for future urbanization and population growth. Agriculture is the bank or foundation of future development. In addition, agriculture provides important view scape and wildlife habitat. These values of agriculture in our culture are often poorly understood.

The need for reliable inventory of information about the water supply, needs, infrastructure usability and condition, related resource availability and condition, and methods of irrigation are needed to help make informed decisions primarily by the water rights owner, and other decision makers. The inventories to be conducted will be determined by the consumptive use community including the cities, towns and agriculture during the informational and public relationship meetings during the beginning of the project.

Objectives: (List the objectives of the project)

Objectives: (List the objectives of the project)

Planning activities regarding consumptively used water will focus on the main stem and tributaries of the Colorado River from Glenwood Canyon to DeBeque Canyon. Bookcliff, South Side and Mount Sopris Conservation Districts will work with landowners and water right owners, including cities and towns, units of government and industrial water uses. The objective is to determine supply of water to meet the needs of consumptively used water, and to determine if structural practices and management practice will improve water delivery to meet any shortages or gaps in the supply and demand of water.
The District's goal remains as it has been since the 1950's to continue to assist land owners and decision makers to install water saving structures and water management practices on the ground. Our goals are similar to and meet those of the Colorado Basin Implementation Plan, as listed below.

Reduce agriculture water shortages

Minimize potential for transfer of agriculture water rights to municipal uses

Develop incentives to support agricultural production

Increase education among the agriculture and general public about Colorado River Basin water issues

For water users to make informed decision the Districts want to review existing data and information, develop inventories where information is missing or is inaccurate and is determined by the water users to be needed. Inventories that maybe needed include amount of water adjudicated and water needs, number of ditches and amount of water in ditches sorted by age, size, and irrigation structure condition and needs and others as the agriculture communities.

It is also the Districts objective to begin to establish an Integrated Water Management between consumptive water uses and non-consumptive water uses, provided that consumptive water use needs are met, and individually effected water right owners agree and is accomplished on a voluntary basis.

Tasks
Provide a detailed description of each task using the following format:
Task 1 – Initiate landowner and water right owner's involvement
Description of Task:
1. Hire an engineering firm to assist in completion of this project. 2. Identify key stakeholders and decision makers and engage them to provide direction and identify planning needs and issues. 3. Form an advisory committee including District Board members and water rights owners. Committee's role will be to provide input on the goals, and identification of high-priority planning issues and project/management options.
Method/Procedure:
Advertise for an engineering firm or other qualified consultant, interview and hire the firm that meets the needs of this project. Conduct local meetings and one-on-one discussions to engage the landowners. Hold meetings in each of the drainage areas to facilitate landowner participation. Attempt to hold three meetings per drainage to identify issues, identify and begin inventories, provide educational programs, start identifying alternatives and projects. Use county assessor data base to identify involved landowners to invite and contact for participation in the project. Hold 3 meetings per watershed community over 5 month period in 7 areas for total 21 meetings.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Contract with engineering firm or other qualified consultant. List of agricultural landowners, including names and addresses for contact purposes. Develop schedules and agendas, arrange for speakers and/or (facilitators) for community/ stakeholder meetings. 21 meetings and 20 one on one interview with land owner or water user.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide a copy of the Contract with the engineering firm Provide copies of schedules, agendas and minutes for each meeting Provide Names of those interviewed.

Tasks
Provide a detailed description of each task using the following format:
Task 2 – Public relations, outreach and resource issue identification.
Description of Task:
Inform the public, and specifically the agriculture community, about water management and water issues that are discovered in the public meetings and in completing field investigations. Continue the community meetings to identify structural and management problems with the ditches, structures, water application on fields. Identify the barriers that prevent implementation of practices to better manage and reduce water use, and improve application to their fields. Always promoting the improvement of water quantity and quality to assist in meeting water requirements within the drainage area.
Method/Procedure:
Conduct outreach activities through radio, newspaper, newsletters, social media and word of mouth to involve all the water users in the areas. Conduct interviews with water users to determine needs for improvement and repairs on their systems and management of the water. Record, map and tally units such as determining practices needed and numbers, feet, cubic yards etc. to begin to identify the magnitude of the issues or problems.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
To have articles written, interviews completed, announcements at meetings to promote the water planning efforts. Increase participation and involvement in the planning and implementation of water conserving activities. Determine issues needed to be inventoried. Begin the tabulation of needed treatment and management.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide copies of articles Provide a record of interviews, meetings attended to discuss water planning, radio spots, etc. Provide a current copy of the tabulation of needed treatment

Tasks
Provide a detailed description of each task using the following format:
Task 3 – Conducting inventories
Description of Task:
Once the subject or issue or problem concern has been identified by the stakeholders, a system for inventorying and recording information will be developed for that concern. This will be completed for 4 to 8 concerns, depending on the amount of time and funding required to stay within budget or until additional funds can be obtained. Educate and train the ditch owners to conduct their own inventory. Conducting the inventories will begin as quickly as possible when the system has been developed. We anticipate that water quantity, water quality, water diversion and delivery issues, and water application methods will become subjects for inventories.
Method/Procedure:
Inventories will be conducted by interview, in the field, at group meetings, from conservation plans, information from individual ditch plans and ditch company plans and any other source that has identified resource issues. Conduct workshops to train and teach the ditch owners to conduct their own inventory and record information on a ditch inventory template. Conduct 4 training workshops. Begin to develop a system that will allow landowners and ditch users to identify practices needed and the benefits of selected conservation practices, so they begin to develop a plan that will solve the issues on their ditch.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A quantifiable list and report about the inventory subject identifying amounts, general location, number of landowners involve, number and sizes of projects and an estimated current day cost of the work. Develop revised planning steps a producer can follow to ensure a quality implementable treatment plan is produced.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide copies of lists and reports produced from the inventory process. Provide copies of any planning steps, job sheets developed to assist the producer identify resource and water problems. Provide copy of templates of ditch inventory developed.

Tasks
Provide a detailed description of each task using the following format:
Task 4 – Develop treatment alternatives for land owners
Description of Task:
Develop list of potential practices that will solve the resource problems as identified in the resource inventories. Provide a matrix that will show allow a combination of practice to use to solve the problem Provide general standards and specifications for each practice. Provide job sheets or implementation requirements that can be adapted to specific situations Provide Standards of Work to assist in practice installation to meet needed requirements. The installation of practices will result in improved water quantity and quality to assist in meeting water requirements within the drainage area.
Method/Procedure:
Complete each of the following: List of potential practices that will solve the resource problems as identified in the resource inventories. Matrix that will show allow a combination of practices to use to solve the problem General standards and specifications for each practice. Job sheets or implementation requirements that can be adapted to specific situations Standards of Work to assist in practice installation to meet needed requirements. We will research planning methods and programs that will assist in preparing these items. We will develop them as needed.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
List of potential practices that will solve the resource problems as identified in the resource inventories. Matrix that will show allow a combination of practice to use to solve the problem General standards and specifications for each practice. Job sheets or Implementation Requirements that can be adapted to specific situations Standards of Work to assist in practice installation to meet needed requirements.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Will provide a copy of the deliverables list above.

Tasks
Provide a detailed description of each task using the following format:
Task 5 – Provide planning and treatment alternatives to land owners and water right owners
Description of Task:
Will hold workshops to assist landowners and water owners develop a basic plan to treat their individual problem by using the developed: 1. List of potential practices that will solve the resource problems as identified in the resource inventories. 2. Matrix that will show a combination of practices to use to solve the problem Use the following developed information to determine if additional planning, or engineering assistance is needed. 1. General standards and specifications for each practice. 2. Job sheets or implementation requirements that can be adapted to specific situations 3. Standards of Work to assist in practice installation to meet needed requirements.
Method/Procedure:
Conduct workshops to train the producer how to use the developed planning materials do the actual planning on their ditches. Assist producers complete the planning process if they need the help. Provide producers a list of funding sources to assist in the installation of practices that will improve water quantity and quality to assist in meeting water requirements within the drainage area.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
25 land owner or ditch companies attend workshop and develop basic plan List of funding sources
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide a list of attendees at workshop And list of funding sources Provide copy of planning template

Tasks
Provide a detailed description of each task using the following format:
Task 6 –
Description of Task: Develop an inventory and prioritize potential irrigation and water projects that are identified by a range of factors.
Create an inventory and ranking of potential projects identified and prioritize by factors such as: Benefits of project, urgency, quantity, size, cost, water right priority date, possibility of completion, funding for project, and design and preparation for construction.
Method/Procedure:
Interview landowners and water right owners involved with potential projects to determine the interest, needs and feasibility, availability of funds, and the state of planning and design stage of a project. Work with landowners and water right owners to facilitate the completion of projects with the design and engineering needs.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A copy of the inventory of projects from which funding and engineering work can be prioritized to initiate project installation on the ground.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide copy of the inventory of projects.

Tasks
Provide a detailed description of each task using the following format:
Task 7 – Completion of inventories, reports, and suggested next steps
Description of Task:
Complete all inventories needed reports and budget requirements. Share this process and project with other conservation districts to help them determine if they need to develop a watershed water plan Develop suggestions for what may be the next steps.
Method/Procedure:
Interview various people involved with this project to determine the effectiveness of this process. Interview landowners and water right owners to get their feeling about the usefulness of this process. Develop a summary of the process and its usefulness and list of the quantity of practices installed and that are scheduled to be planned in the next 5 years.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Summary report.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Provide copy of summary report.

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit B - BUDGET AND SCHEDULE

Date: 1-20-18

Water Activity Name: Agriculture Water Plan for Garfield County

Grantee Name: Book Cliff, Southside and Mount Sopris Conservation Districts

Task No.	Description	Start Date[1]	End Date	Matching Funds (cash & in-kind)[2]	WSRF Funds (Basin & Statewide combined)[2]	Total
1	Initiate landowner and water right owners involvement	6/2018	10/1/2018	$35,000	$10,000	$45,000
2	Public relations, outreach and resource issue identification	6/2018	11/1/2018	$40,000	$10,000	$50,000
3	Conducting inventories	6/2018	4/1/2019	$65,000	$35,000	$100,000
4	Develop treatment alternatives for land owners	8/1/2018	2/1/2019	$45,000	$15,000	$55,000
5	Provide planning and treatment alternatives to land owners and water right owners	8/1/2018	2/1/2019	$30,000	$15,000	$45,000
6	Develop an inventory and prioritize potential irrigation and water projects that are identified by a range of factors.	11/1/2018	5/30/2019	$5,000	$10,000	$15,000
7	Completion of inventories, reports, and suggested next steps	2/1/2019	7/31/2020	$10,000	$5,000	$20,000
			Total	$230,000	$100,000	$330,000

(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)

NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal NTP if prior to the listed "Start Date"

CWCB will withhold the last 10% of the entire grant budget until the Final Report (Deliverable) is completed and accepted (2016 WSRF Criteria & Guidelines).

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