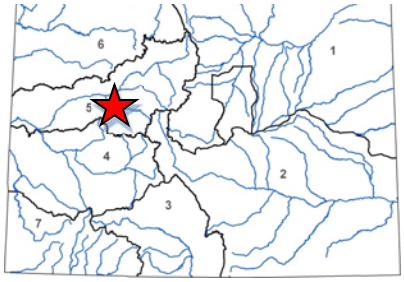
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Integrated Watershed Management Planning in the Middle Colorado River

Bookcliff, South Side, Mt. Sopris Conservation Districts

Water Plan Grant Application

November 2019 Board Meeting



LOCATION	
County/Counties:	Garfield
Drainage Basin:	Colorado

DETAILS	
Total Project Cost:	$210,381
Water Plan Grant Request:	$95,000
Recommended Amount:	$95,000
Other CWCB Funding:	$47,518
Other Funding Amount:	$5,000
Applicant Match:	$62,863
Project Type(s): Study, Education, IPP	
Project Category(Categories): Agricultural	
Measurable Result: Engagement	

The Colorado Water Plan sets a measurable objective to cover 80 percent of the locally prioritized lists of rivers with stream management plans ("SMP"). SMPs can play an important role in identifying both the needs of environmental attributes and the projects and methods that will benefit those attributes. SMP processes includes the identification and prioritization of multi-purpose projects that can yield benefits to agricultural producers and rural communities in the form of irrigation infrastructure upgrades, water quality assessment, drought planning, groundwater management, and other practices.

Beginning in the summer of 2018, the Middle Colorado Watershed Council (MCWC) and the applicants, all local conservation districts, have led the effort to develop an Integrated Water Management Plan (IWMP) for the Middle Colorado River (Glenwood Canyon to DeBeque Canyon). The fully stated goal of the IWMP is to improve security for all water uses in the region by understanding and protecting existing uses, meeting shortages, and maintaining healthy river ecosystems in the face of increased future demand and climate uncertainty. The Conservation Districts are working with MCWC to determine water-related needs for agricultural, municipal, industrial, environmental, and recreational uses within the watershed. The needs assessment will track closely with an ongoing public input process to set forth locally-driven, values-based water management goals and objectives for the watershed. Stakeholders will be encouraged to identify projects, programs, and best management practices that can be advanced to resolve, mitigate, or improve upon water-related gaps, infrastructure needs, habitat requirements, or species-specific needs. Ideas will be evaluated, prioritized, and presented in the form of a "working" integrated watershed management plan.

The applicants are seeking Colorado Water Plan Grant funds to continue work around the development of the IWMP. In particular, resources are needed to help with drafting the IWMP, conduct additional focus groups, coordinate interaction with project stakeholders, and develop educational results regarding the planning process for other stakeholders. Applicants will also use funds to develop multimedia projects highlighting the integrated planning process and provide information useful for the Basin Implementation Plan update process.

Staff recommends Board approval of the full grant amount requested. This project will help CWCB achieve the Colorado Water Plan goals related to stream management planning and encourage additional stakeholders to undertake such planning efforts. In particular, this project provides a model approach for coordinating assessments of both consumptive and non-consumptive water needs and for how to engage important agricultural stakeholders in SMP processes across the state.

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Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects	Anna.Mauss@state.co.us
Conservation, Land Use Planning	Kevin.Reidy@state.co.us
Engagement & Innovation Activities	Ben.Wade@state.co.us
Agricultural Projects	Alexander.Funk@state.co.us
Environmental & Recreation Projects	Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to *waterplan.grants@state.co.us* in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Bookcliff, South Side and Mount Sopris Conservation Districts
Name of Water Project	Integrated Watershed Management Planning in the Middle Colorado River

CWP Grant Request Amount	$95,000
Other Funding Sources: CACD	$2,500
Other Funding Sources: GarPit Conservation Districts	$2,500
Other Funding Sources: Colorado Basin Roundtable	$1,000
WSRF Match	$46,518
Applicant Cash Funding Contribution	$ 54,151
In-Kind (CD staff time)	$8,712
Total Project Cost	$210,381

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Applicant & Grantee Information	
Name of Grantee(s)	Bookcliff, South Side and Mount Sopris Conservation Districts
Mailing Address	258 Center Drive, Glenwood Springs, CO 81601
FEIN	84-0686066
Organization Contact	Charles Ryden, Pres. Bookcliff Conservation District Brett Jolley, Pres. South Side Conservation District Jeff Nieslanik, Pres. Mount Sopris Conservation District Colorado River Engineering, Inc. c/o Wendy Ryan, Project Manager
Position/Title	See Above
Email	Sharie.Prow@co.usda.gov
Phone	(970) 404-3439
Grant Management Contact	Sharie Prow
Position/Title	District Administrator
Email	Sharie.Prow@co.usda.gov
Phone	(970) 404-3439
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	

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The Conservation Districts were formed pursuant to the Soil Conservation District Act passed by the Colorado General Assembly on May 6, 1937 (Title 35 Article 70, C.R.S.). The Districts were formed to provide a legal entity to organize local landowners to voluntarily control soil erosion and manage natural resources such as soil, water, animals, plans and air quality. For over 50 years, the Grantees have cooperated with individuals, ditch companies, local, county, state and federal agencies/government departments to address resource problems and concerns.

The Grantees serve landowners within their districts' boundaries (covering approximately 1,601,000 acres) by providing planning and practice installation assistance including technical and professional engineering services and resource conservation planning.

Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
X	**Public (Districts):** Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
X	Study
	Construction
X	Identified Projects and Processes (IPP)
X	Other: Education

Category of Water Project (check the primary category that applies and include relevant tasks)	
X	Supply and Demand Gap – Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap. *Applicable Exhibit A Task(s):*
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and

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	Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. *Applicable Exhibit A Task(s):*	
X	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):*	
X	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	Other	Explain:

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Garfield (see attached map for conservation district boundaries, work mainly focuses in Garfield County)
Latitude	
Longitude	

Water Project Overview
Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

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The Conservation Districts are working in conjunction with the Middle Colorado Watershed Council on developing an integrated water management plan for the Middle Colorado River. The Plan will be considered a working document to serve as a guide, reference document, and testament to what local communities can achieve when working cooperatively in partnership. The Plan will establish a foundation for launching future evaluations and implementing cooperative projects and programs.

The Conservation Districts are working with MCWC to determine water-related needs for agricultural, municipal, industrial, environmental and recreational uses within the watershed and to evaluate the accuracy of the SWSI Modelling for the Middle Colorado Watershed. The needs assessment will track closely with an ongoing public input process to set forth locally-driven, values-based water management goals and objectives for the watershed. Stakeholders will be encouraged to identify projects, programs and best management practices that can be advanced to resolve, mitigate, or improve upon water-related gaps, infrastructure needs, habitat requirements or species-specific needs. Ideas will be evaluated, prioritized and presented in the form of a "working integrated watershed management plan. The Plan will also be used as an educational tool for anyone seeking to learn more about water use and planning in the Middle Colorado River Watershed.

This grant builds upon a WSRF grant from the Colorado Basin Roundtable which primarily focuses on a ditch assessment. This assessment will be utilized to not only identify on the ground projects for agricultural producers, but also seeks to improve upon State level modelling by providing information gathered at the local level including: irrigated acreage by structure, crop types and irrigation efficiencies. By integrating this locally derived information into State modeling efforts and the IWMP for the Colorado river, we seek to improve these models and guidance documents which are meant for planning purposes.

Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
TBD	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
TBD	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
1,000	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

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Water Project Justification

Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

The Colorado Water Plan and the Basin Implementation Plan prescribed the preparation of stream management plans (also referred to as integrated watershed management plans) to assist in the planning and development of water resources throughout the watershed area.

Colorado Water Plan

The Colorado Water Plan states 80 percent of rivers to be covered by Stream Management Plans by 2030 (page 6-178). The Local Conservation Districts will plan the consumptive uses portion of the Colorado River and its tributaries from Glenwood Canyon to DeBeque Canyon. The plan will determine water needs for the future for various crops protect agriculture water and agriculture production and protect or improve stream health. Helping in obtaining the goal of plans developed.

Colorado's Water Plan from Section 6.5 -Page 6-127 encourages the use of grassroots efforts to identify and implement projects and methods to meet community and agricultural water needs throughout Colorado, and to achieve the following statewide long-term goals:

- Use water efficiently to reduce overall future water needs.
- Establish a process to identify the projects and processes to meet the water supply gap for communities while balancing the needs of agriculture, the environment, and recreation across the state.
- Obtain the State's encouragement and assistance in the development of balanced and appropriate storage that can meet multiple benefits, including instream flow and augmentation needs.
- Meet community water needs during periods of drought.
- Develop and implement policies and strategies that support meaningful agricultural viability statewide.

The planning objectives and tasks in this proposal will work with these goals in mind and also include various inventories of the condition of infrastructure including structures, length of ditches and condition, water rights problems or issues, crops irrigated, and potential crops that might be produced in the area. We will also provide suggested alternatives to treat resource issues including practice Standards and Specification, Implementation Requirements, and Statement of Work for resource treatment.

While the right to buy or sell private property water rights must not be infringed upon, the State will encourage innovation and creativity by agricultural producers and research institutions to maximize the productivity of every drop of water. Colorado's Water Plan sets an objective that agricultural economic productivity will keep pace with growing state, national, and global needs, even if some acres go out of production.

6.3.14

Update and improve Colorado's aging agricultural infrastructure:

Over the next five years, the CWCB will work with the basin roundtables and agricultural partners to further identify and prioritize aging infrastructure projects, especially where there can be a large effect on or multiple benefits to other sectors. The CWCB will coordinate funding opportunities to address these needs.

6.3.15

Encourage ditch-wide and regional planning:

Over the next two years, the CWCB will work with agricultural partners to explore opportunities to conduct ditch-wide and regional planning, such as the planning that is occurring in the Uncompahgre. These plans will explore system-wide conservation and efficiency opportunities, explore the potential for water sharing, and develop a long-term infrastructure-maintenance and -upgrade plan.

This project will identify the needs of ditches within the planned area and conduct inventories and research to improve choices about the use and treatment of land. As well as provide landowners and decision makers of various funding sources and planning sources of irrigation water control and management. Thus meeting the above mentioned goals and objectives.

From the **Colorado Basin Implementation Plan** (Page 96)

The six Themes are:

- Ecosystem Health - Protect and Restore Streams, Rivers, Lakes and Riparian Areas
- Agriculture – Sustain, Protect and Promote Agriculture
- Safe Drinking Water – Secure and Protect drinking water for today and tomorrow
- Conservation - Encourage a High Level of Basinwide Conservation across all uses
- Land Use – Develop Water Conscious Land Use Strategies
- Basin Administration - Ensure Reliable and Predictable Basin Administration.

The Middle Colorado water users have the ability with the proper information and funding to plan, design, and install conservation practices that will help to meet or improve the water quality, quantity and improve the health of the ecosystems in the area. This project will help to provide resource information that will facilitate the decision maker to make good decisions while selecting structural as well as management practices that will improve water and the other resources involved in land and agriculture management.

Proper selection and installation of conservation practices will provide long term benefits to the uses of water as well as to continue assist agriculture in the production of our food and fiber and meet goals of the various water plans.

CBRT's Education Action Plan 2017-2020 has a goal "to promote better stewardship and decision-making related to water resources. This will require improved public understanding of both consumptive and nonconsumptive water needs, as well as efforts to address them through the Colorado Water Plan and the Colorado Basin Implementation Plan."

There are a number of recommendations within SWSI 2010 that speak to this cooperation and collaboration, as well. This includes these recommendations listed in SWSI 2010 Mission Statement, Key Findings, and Recommendations (p. 8). Continue to lead the dialogue and foster cooperation among water interests in every basin and between basins for the purpose of implementing solutions to Colorado's water supply challenges.

CONSERVATION

Since agriculture uses the greatest amount of water within the state and in this area agriculture has the ability; to conserve a large amount of water width just a small improvement in efficiency with system improvements or in management changes.

With the proper selection and installation of conservation practices water will be conserved, and other resources will be protected.

AGRICULTURE

Sustain Agriculture will be directly supported through the Districts planning for consumptive water use. Agriculture producers will be involved in the entire process of this project. The Conservation District Boards are elected Agriculture land owners and producers and will be actively involved in the process of this project have participated in the process thus far and will serve as the advisory committee for this project. This project will help to reduce ag water shortages (CBIP p.29) and may minimize potential for transfer of ag water rights (CBIP p.29).

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

Bookcliff, Mount Sopris and South Side Conservation Agricultural Inventory The Conservation Districts are completing an inventory to determine current irrigated acreage in the Middle Colorado River Watershed.

Bookcliff, Mount Sopris and South Side Conservation Districts' Long-Range Plans
Each of the Conservation Districts have in their Long-Range Plan a section on water Quality and Quantity

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Previous CWCB Grants, Loans or Other Funding
List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.
The Bookcliff, South Side and Mount Sopris Conservation Districts received a Water Supply Reserve Fund Grant for their Irrigation Asset Inventory Program from the Colorado Basin Roundtable; CWCB approval June 14, 2018, Contract No. POGG1 2018-1014. 70% of the overall project funds are being requested from CWCB through both WSRF and Water Plan Grant funding.

Taxpayer Bill of Rights
The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.
The Bookcliff, South Side and Mount Sopris Districts conducted the necessary elections and were successful in having the voters release the Districts from TABOR's restrictions.

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Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
x	Statement of Work(1)
x	Budget & Schedule(1)
	Engineer's statement of probable cost (projects over $100,000)
	Letters of Matching and/or Pending 3rd Party Commitments(1)
Exhibit C	
x	Map (if applicable)(1)
	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) (2)
	Certificate of Good Standing with Colorado Secretary of State(2)
	W-9(2)
	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application(1)

(1) Required with application.
(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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Water Plan Grant - Exhibit A

Statement Of Work	
Date:	**7/31/2019**
Name of Grantee:	Bookcliff, South Side and Mount Sopris Conservation Districts
Name of Water Project:	**Middle Colorado Integrated Watershed Management Plan**
Funding Source:	**Colorado Water Plan Grants**

Water Project Overview:

As part of the Integrated Watershed Management Planning efforts in the Middle Colorado River, the Bookcliff, South Side and Mount Sopris Conservation Districts undertook a ditch inventory to aid landowners in identifying projects, programs and best management practices that can be advanced to resolve, mitigate, or improve upon water-related gaps, infrastructure needs, habitat requirements or species-specific needs as well as providing information on potential funding mechanisms. As part of the project, the consumptive use group has been collaborating with the Middle Colorado Watershed Council to coalesce the consumptive and non-consumptive needs of the region. This has led to unexpected costs related to collaboration, modeling, and report generation that were not considered in the original WSRF funding for the project. This grant seeks to supplement the funding of the project as to not divert funding from the ditch inventory to collaboration, modeling, and report writing. Without additional funding to complete these tasks, the ditch inventory and associated outreach efforts will need to be critically downscaled in order to complete project requirements.

Project Objectives:

The objectives of the project are as follows:

1.) Conduct and attend focus group meetings with municipal, industrial, agricultural, and the IWMP Advisory Committee. In addition, a series of short videos on agricultural practices will be developed.
2.) Drafting of the Integrated Watershed Management Plan for consumptive uses in the Region including background research and plan documents. Incorporate findings from the ditch assessment to improve State planning models.
3.) Review documentation and seek to improve the newly releases Surface Water Supply Initiative models with information gathered during the ditch inventory.
4.) Interaction and collaboration with non-consumptive users in the Region for purposes of coalescing the IWMP.
5.) Educational roll-out for focus groups and other groups developing integrated watershed management plans across the State.

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Tasks
Task 1 – Meetings/Outreach
Description of Task:
Meet with Municipal, Industrial, Agricultural groups. This task also entails attendance and participation in the IWMP Advisory Committee, these meetings will transition to focus on planning documents and results to be incorporated into the plan. In addition, a series of short agricultural focused videos will be produced and distributed.
Method/Procedure:
Through attendance of meetings with focus groups and the IWMP Advisory committee. Video production will be conducted with a local multi-media firm; additional funds have been secured for this activity.
Deliverable:
Documentation of meeting attendance (agendas, sign-up sheets, etc). Videos will be made publicly available and distributed to wider audiences when completed.

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Tasks
Task 2 – Drafting of the Integrated Watershed Management Plan Document
Description of Task:
Background research and collaboration with MCWC consulting engineers to draft, refine and finalize the final IWMP document. This task leverages Tasks 6 and 7 of the WSRF grant which include creating the ditch inventory and prioritizing projects as well as the completion of the inventory, report writing and next steps.
Method/Procedure:
Colorado River Engineering will work directly with Lotic Engineering (and others) on the drafting of the IWMP documents. This will be a comprehensive document describing current conditions and future planning efforts in the Middle Colorado Region as well address the consumptive use gaps in the region and how those gaps might be overcome. The document will incorporate the results of the ditch assessment and be used to verify the quantified agricultural gap from the Water Plan technical update. Demand Management will be discussed with water right owners in the region to determine the incentives that would make a producer a willing participant. In addition, we seek to understand how long/often a producer can realistically participate in Demand Management taking into consideration the needs of the producer and their operation.
Deliverable:
Final IWMP document for the Middle Colorado River region. Recommendations on Demand Management from water right owners.

Task 3 – SWSI Modelling
Description of Task:
Review of SWSI models (2019) and documentation as well as updating and re-quantification of the consumptive use gap. This task leverages WSRF grant Tasks 1 and 3 which include landowner interactions to identify acreage/crops/efficiencies as well as conducting the ditch inventories.
Method/Procedure:
Information being collected through the ditch inventory (mainly irrigated acreage, irrigation type and crop types) will be incorporated into the recent versions of the SWSI models. The ditch inventory has brought to light that the State's assessment of irrigated acreage tied to each structure is not accurate and, in most cases, is under-reported. It has become apparent that these acreage assessments do not consider maps and other exhibits detailing irrigated acreage that are submitted to the Water Court. This task aims to improve the model quantification of the consumptive use gap for agricultural uses in the region. It also aims to improve the State's depiction of irrigated acreage tied to each structure inventoried.
Deliverable:
Documentation of irrigated acreage, crop type and irrigation efficiency by structure. Documentation of changes to the SWSI models and outputs. Any additional processing spreadsheets can also be provided.

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Task 4 – Interaction with Non-Consumptive Users
Description of Task:
Meetings to collaborate with non-consumptive use focus groups in order to incorporate findings into the final IWMP document.
Method/Procedure:
Meetings and collaboration with non-consumptive use Focus Groups conducted through MCWC.
Deliverable:
Meeting documentation (agendas, sign in sheets) and incorporation of non-CU findings into the final IWMP documents.

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Task 5 – Educational Roll-Out
Description of Task:
Conduct meetings to present the IWMP, its findings and educational materials produced through the process to others interested in water management in this region as well as those interested in similar planning efforts in other regions.
Method/Procedure:
These meetings will be conducted in order to share the final plan to focus groups and other interested parties that may be contemplating integrated watershed management planning in their region. We will present how the planning efforts were conducted between the CU and non-CU Focus groups as well as the outcomes, failures, successes, etc of the planning efforts. Lessons learned from our process can aid other regions conducting similar planning.
Deliverable:
Meeting documentation (agendas, sign in sheets) and all finalized educational materials.

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Reporting Requirements

Progress Reports: The applicant 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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant'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.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. 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.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

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 Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.
(b) Accountability: Per Water Plan 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 Water Plan 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.

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Performance Measures
(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.

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Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Prepared Date:
Name of Applicant:
Name of Water Project:

EXAMPLE B: Engineering

Task 1 - Meetings/Public Outreach $7,125	Water Consultants					Subcontracts							
Sub-task	Senior Principal Engineer	Hydrologist	Engineering Technician	GIS Technician		Video Production			Project Total	CWCB Funds	Matching Funds	Cash	54151
	$ 160	$ 95	$ 85	$ 60	Subtotal	Lump sum	Lump Sum	Subtotal					
	Estimated Hours												
Municipalities (4 meetings @ 2hrs)		8			$ 760			$ -	$ 1,640	$ 760	$ 880		
Industrial (4 meetings @ 2hrs)		8			$ 760			$ -	$ 1,640	$ 760	$ 880		
Agricultural (4 meetings @ 2hrs)		8			$ 760			$ -	$ 1,640	$ 760	$ 880		
Advisory Committee (assumes 10 meetings, each 3 hrs)		30			$ 2,850			$ -	$ 3,730	$ 2,850	$ 880		
Video Productions (subcontractor)					$ -	$ 7,995		$ 7,995	$ 7,995	$ 1,995	$ 6,000		
Matching Assumptions													
District board members - 1 board member from each district = 3 members, 4 meetings 2 hours (assumed $22/hr)					$ 5,130							$ 5,769.35	
District Employees - 2 each meeting , 4 meetings @ 2hrs (Assumes $22/hr)													
CACD/GarPit CD/CBRT	$ 6,000.00												
TOTAL - Task 1									$ 16,645	$ 7,125	$ 9,520		

Task 2 -Drafting IWMP Final Report - $33,250	Water Consultants					Subcontracts								
Sub-task	Senior Principal Engineer	Hydrologist	Engineering Technician	GIS Technician					Project Total	CWCB Funds	Matching Funds	WSRF Task 6	WSRF Task 7	Cash
	$ 160	$ 95	$ 85	$ 60	Subtotal	Lump sum	Lump Sum	Subtotal						
	Estimated Hours													
Informational		100			$ 9,500			$ -	$ 10,204	$ 9,500	$ 704			
Plan Documents		250			$ 23,750			$ -	$ 24,454	$ 23,750	$ 704			
Matching Assumptions														
One district employee @ 16 hours														
3 board members @ 16 hours					$ 33,250	$ -						$ 10,000.00	$ 10,000.00	
WSRF Task 6: Create Inventory and Prioritize Projects, 10,000 remains which will inform the IWMP Final report with what was assessed for CU and what projects have been prioritized.														$ 18,945.11
WSRF Task 7: Reports, Next Steps														
TOTAL - Task 2									$54,658	$33,250	$21,408			

Task 3 -SWSI Modelling - $40,375	Water Consultants					Subcontracts								
Sub-task	Senior Principal Engineer	Hydrologist	Engineering Technician	GIS Technician					Project Total	CWCB Funds	Matching Funds	WSRF Task 1	WSRF Task 3	Cash
	$ 160	$ 95	$ 85	$ 60	Subtotal	Lump sum	Lump Sum	Subtotal						
	Estimated Hours													
Review SWSI Models and Documentation		100			$ 9,500			$ -	$ 9,500	$ 9,500				
Update, Run, Review, Quantify Gaps, etc.		325			$ 30,875			$ -	$ 31,403	$ 30,875	$ 528			
Matching Assumptions														
Three board members review @ 8 hours each?														
WSRF Task 1 - 8,780 remaining in landowner initation to solicit irrigated acreage numbers to improve CDSS/SWSI					$ 40,375	$ -						$ 8,780.00	$ 17,737.50	$ 23,368.75
WSRF Task 3 - 17,737 remaining to conduct inventories which lead to improvements of conveyance efficiency information														
TOTAL - Task 3									$67,421	$40,375	$27,046			

Task 4 -Interaction with Non-Consumptive Users $9,500	Water Consultants					Subcontracts							
Sub-task	Senior Principal Engineer	Hydrologist	Engineering Technician	GIS Technician					Project Total	CWCB Funds	Matching Funds	Cash	
	$ 160	$ 95	$ 85	$ 60	Subtotal	Lump sum	Lump Sum	Subtotal					
	Estimated Hours												
Meetings with non-CU Focus Groups, coalese document		100			$ 9,500			$ -	$ 10,292	$ 9,500	$ 792		
					$ -								
Matching Assumptions													
Three meetings, 4 board members / employees @ 3 hrs each?													
					$ 9,500	$ -						$ 3,567.33	
TOTAL - Task 4									$10,292	$9,500	$792		

Task 5 - Educational Roll-Out - $4,750	Water Consultants					Subcontracts							
Sub-task	Senior Principal Engineer	Hydrologist	Engineering Technician	GIS Technician					Project Total	CWCB Funds	Matching Funds	Cash	
	$ 160	$ 95	$ 85	$ 60	Subtotal	Lump sum	Lump Sum	Subtotal					
	Estimated Hours												
Meetings to present IWMP/educational materials, etc to CU Focus Groups		50			$ 4,750			$ -	$ 7,214	$ 4,750	$ 2,464		
					$ -								
Matching Assumptions													
6 Board members @ 4 meetings @ 3 hours each													
2 District employees to help prep @ 4 meetings 2 hours each					$ 4,750	$ -							
2 District employees @ 4 meetings 3 hours each												$ 2,500.46	
TOTAL - Task 5									$7,214	$4,750	$2,464		
Total Tasks 1-5									$156,230	$95,000	$61,230		

THE COLORADO BASIN ROUNDTABLE
C/O P.O. BOX 1120
GLENWOOD SPRINGS, COLORADO 81602

August 14, 2019

Alexander Funk
Agricultural Water Resources Specialist
Colorado Water Conservation Board
1313 Sherman St., Room 718, Denver, CO 80203

RE: Bookcliff, South Side and Mount Sopris Conservation Districts proposal for Integrated Water Management Planning in the Middle Colorado River

Dear Alex:

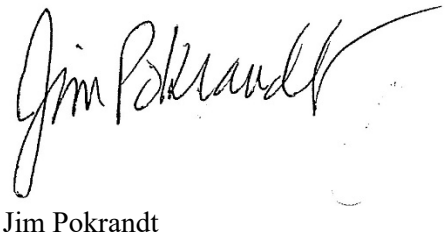
I am writing as chair of the Colorado Basin Roundtable to express support for the Colorado Water Plan grant application submitted by the Bookcliff, Southside and Mount Sopris Conservation Districts to further their work on the Middle Colorado Integrated Water Management Plan. The ag districts have been operating a companion study to that of the Middle Colorado Watershed Council.

As the application states, the ag work has been more costly than expected and if no other funds were to be received, the ag asset inventory would be cut short. This is critical work to understand how infrastructure might be improved to modernize water use in the ag sector. Already, the Roundtable is entertaining two WSRF grants applications for identified ditch projects on the Multa Trina and Missouri Heights irrigation systems.

That the ag sector is so actively engaged in the IWMP is noteworthy and fortunate for the IWMP work. We hope that they can be offered the CWP grant resources to finish out foundational work that will inform future projects – helping to address the agricultural and stream health priorities in our Basin Implementation Plan.

Thank you for your consideration.

Sincerely yours,



Jim Pokrandt
Chair, Colorado Basin Roundtable

MIDDLE COLORADO WATERSHED COUNCIL

August 14, 2019

Alexander Funk, Agricultural Water Resources Specialist
Interstate, Federal, and Water Information Section
Colorado Water Conservation Board
1313 Sherman St., Room 718, Denver, CO 80203

RE: Bookcliff, South Side and Mount Sopris Conservation Districts proposal for Integrated Water Management Planning in the Middle Colorado River

Mr. Funk:

On behalf of the Middle Colorado Watershed Council, I write to express support for the supplemental funding requested by the Bookcliff, South Side and Mount Sopris Conservation Districts for Integrated Water Management Planning (IWMP) in the Middle Colorado River Watershed.

Contributions from the agricultural community are critical to the success of both the planning and future implementation phases of the Middle Colorado IWMP. As the Conservation Districts have participated in IWMP work over the past year, their understanding of the interests and needs of their constituents has grown along with the scope of their involvement in the process. The request for supplemental funding will allow for their continued participation in the planning efforts over the next year as the group moves into goal setting and identification of priority projects and processes. Continued input from agriculture will ensure that the consumptive use interests are well represented and can be "integrated" into the planning recommendations a meaningful way.

Please feel free to contact me at 303-204-4164 if you have any questions about our support of the proposed project.

Sincerely,

Laurie Rink
Project Manager

Cc: Wendy Ryan, Colorado River Engineering