



Agriculture Watershed & Stream Management Planning Outreach & Technical Assistance Colorado Cattlemen's Association

November 2018 Board Meeting

Water Plan Grant Application



L O C A T I O N	
County/Countries:	Statewide
Drainage Basin:	Statewide

D E T A I L S	
Total Project Cost:	\$199,000
Water Plan Grant Request:	\$99,000
Other CWCB Funding:	\$0
Other Funding Amount:	\$0
Applicant Match:	\$100,000
Project Type(s):	Study, Engagement
Project Category(Categories):	Agricultural
Measurable Result:	Engagement promoting the development and implementation of stream management plans reaching 30,000

Colorado's 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. This 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. Colorado's Water Plan also states that stream management plans should involve stakeholders to ensure their acceptance of the plan and be locally driven. In particular, getting a balanced and well-informed stakeholder group, including agriculture, in place prior to commencing the assessment and planning process has been essential to the development and implementation of several stream management plans across the state.

Colorado Cattlemen's Association, in order to further the development of inclusive stream management planning processes, is requesting \$99,000, 50% of the total project cost, through Colorado's Water Plan Grant Program to implement a statewide Watershed and Stream Management Planning Outreach & Technical Assistance effort. Matching funds will be provided by the applicant. The goal of the project is to foster further agricultural engagement in stream management planning processes while supporting collaboration with other stakeholders. The project will employ a variety of tools and strategies - a survey, meetings, presentations, training, technical and coordinative assistance, publications and other media - to improve the awareness and understanding of stream management plans among agricultural producers, and stimulate interest and initiation of planning efforts around stream management plans. Where appropriate, the CCA will also work to encourage agriculture stakeholder participation in current SMP development and implementation. CWCB is working with the applicant to ensure outreach efforts to the agriculture community are coordinated with other CWCB-funded stream management planning outreach efforts. The CWCB has received letters of support from the Southwest Basin Roundtable, the Colorado Corn Growers Association, and Maybell Irrigation District for this project.

Through outreach and training, this project will help foster agriculture engagement in stream management planning efforts by raising awareness about stream management plans including how they address environmental needs and recreational goals while also benefiting agriculture. The training will also help prep ag-oriented coordinators and volunteers to lead and represent agriculture's interests while engaging collaboratively with other water stakeholders. This project will also yield critical information and materials for non-ag stakeholders on how to ensure agriculture stakeholders are included in stream management processes. Altogether, this project will encourage collaboration, help achieve Colorado's Water Plan stream management planning goals, and encourage the development of multi-purpose projects benefiting the environment, recreation, and agriculture.



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Colorado Water Conservation Board

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
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
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	Colorado Cattlemen's Association
Name of Water Project	Agriculture Watershed and Stream Management Planning Outreach & Technical Assistance
CWP Grant Request Amount	\$ 99,000
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Applicant Funding Contribution	\$ 100,000
Total Project Cost	\$ 199,000



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Applicant & Grantee Information	
Name of Grantee(s)	Colorado Cattlemen's Association
Mailing Address	8833 Ralston Road, Arvada, CO 80002
FEIN	84-0174480
Organization Contact	Terry Fankhauser
Position/Title	CCA Executive Vice President
Email	terry@coloradocattle.org
Phone	303-431-6433
Grant Management Contact	Erin Karney
Position/Title	Industry Advancement Director
Email	erin@coloradocattle.org
Phone	303-431-6422
Name of Applicant (if different than grantee)	Same as Grantee
Mailing Address	NA
Position/Title	NA
Email	NA
Phone	NA
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	
<p>Colorado Cattlemen's Association (CCA) is Colorado's premier cattlemen's association that serves as the principle voice and advocate for Colorado beef production by ensuring a dynamic and profitable industry that promotes growth and opportunity for future generations. CCA is the nation's oldest cattlemen's association with affiliate associations around the state and members in every county.</p> <p>The mission of the Agricultural Water NetWORK is to help "keep ag water connected with ag land." Through outreach, education and technical assistance, the Ag Water NetWORK helps equip agricultural producers with in-depth knowledge about ag water-related challenges and opportunities in Colorado.</p>	

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Type of Eligible Entity (check one)	
<input type="checkbox"/>	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.
<input type="checkbox"/>	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
<input type="checkbox"/>	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
<input type="checkbox"/>	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
<input checked="" type="checkbox"/>	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
<input type="checkbox"/>	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
<input type="checkbox"/>	Study
<input type="checkbox"/>	Construction
<input type="checkbox"/>	Identified Projects and Processes (IPP)
<input checked="" type="checkbox"/>	Other

Category of Water Project (check the primary category that applies and include relevant tasks)			
<input type="checkbox"/>			
<input type="checkbox"/>	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 Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>		
<input type="checkbox"/>	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>		
<input type="checkbox"/>	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>		
<input checked="" type="checkbox"/>	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>		
<input type="checkbox"/>	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>		
<input type="checkbox"/>	<table border="1"> <tr> <td>Other</td> <td>Explain:</td> </tr> </table>	Other	Explain:
Other	Explain:		



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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/Countries	All Counties in Colorado
Latitude	37° N to 41° N Latitude
Longitude	102°03' W to 109°03' W Longitude

Water Project Overview
<p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p> <p>This project begins with a survey of Colorado agricultural producers to determine their perceptions and understanding of watershed (WMPs) and stream management plans (SMPs). The survey will help inform 25 outreach activities around the state (meetings, workshops, presentations). Outreach will include working with ag and other organizations and will focus on elevating awareness and understanding about WMPs and SMPs.</p> <p>Outreach will also include discussions, meetings and/or presentations at 10 or more ag industry conferences, and 4 publications and 2 webinars over the grant period, as well as ongoing communications with ag and other entities.</p> <p>Training materials on WMPs and SMPs will be created to engage the agricultural audience by focusing on ag-specific issues. Existing educational information developed by other organizations will be reviewed and utilized wherever practicable to maximize efficiency.</p> <p>Two (2) meetings around the state will be held with a focus on watershed and stream planning. These meetings will delve deeper into the WMP and SMP process and logistics, and help identify ag-affiliated individuals interested in being local coordinators or leaders.</p> <p>Four (4) focused trainings will be held with ag coordinators and leaders on initiating, developing, and implementing WMP and SMPs. Post-training assistance will be provided to coordinators. A capstone event will summarize lessons learned, problem solving, future objectives.</p>



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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)	
	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)	
	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	
	Number of Coloradans Impacted by Engagement Activity	
30 %	Other	Estimated % of ag water right holders (surface and groundwater) to be impacted by outreach and/or technical assistance as an estimated percentage of water controlled by agriculture.

Water Project Justification
<p>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).</p> <p>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:)</p> <p>The Colorado Water Plan calls for 80% of locally prioritized rivers in Colorado to have Stream Management Plans (SMPs) developed by 2030, and 80% of critical watersheds to have Watershed Management Plans (WMPs) completed by 2030. The Education and Outreach section of the Water Plan also calls for "education for farmers on available incentives for on-farm implementation of agricultural conservation measures, water sharing opportunities, and other tools available to growers" (Section 9.5).</p> <p>The development and implementation of WMPs and SMPs can provide economic, social and environmental benefits to agricultural producers and others, however, most in the ag community are unfamiliar with WMPs and SMPs due to a lack of engagement.</p> <p>Agricultural producers own or control an estimated 80 percent of the surface water in Colorado, which they use to produce food, fiber and fuel. Ag producers together also have sizeable groundwater rights, and control almost half of the land area in the state. To be successful, a watershed or stream management plan must be inclusive of all relevant water resource stakeholders and comprehensive in scope. Both types of plans ultimately result in strategies and targeted, on-the-ground actions that implement voluntary conservation and stream and watershed restoration and protection efforts which can benefit all stakeholders.</p>



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In agriculture, conservation practices that promote soil health, reduce erosion and nutrient and pesticide runoff and leaching, and improve irrigation application, timing, and infrastructure can not only benefit natural resources but enhance agricultural productivity and profitability.

Fostering agricultural engagement in WMPs and SMPS will benefit our streams, rivers, lakes and groundwater resources, and will help support collaboration with other water stakeholders. WMPs and SMPS can provide a path towards funding to address irrigation delivery infrastructure and on-farm irrigation and conservation needs, and provide an opportunity to educate other, non-ag stakeholders about the ecosystem services provided by agricultural activity. A first step in exploring the potential of WMPs and SMPS for agriculture requires better engagement and awareness within the ag community. Many of the organizations implementing SMPS around the state do not have a relationship with their local agricultural communities and are unsure how to engage with agriculture. Thus, there is sometimes a large gap between agricultural water stakeholders and non-ag stakeholders which creates a barrier to progress on watershed and stream management planning and implementation.

This project will employ a variety of tools and strategies – a survey, meetings, presentations, training, technical and coordinative assistance, publications and other media – to improve the awareness and understanding of WMPs and SMPS among agricultural producers, and stimulate interest and initiation of planning efforts around watershed and stream management plans.

The locations of presentations, meetings, workshops, and training sessions will be identified with the goal of reaching as many individual ag water right holders (surface and groundwater) and ditch company and groundwater district boards and members as possible. We will engage with non-ag water interests (municipal, environmental, recreational, industry) through these efforts to facilitate sharing of perspectives and needs among the disparate water groups.

CWCB funding will be used to help support the development, implementation and follow-up work related to the objectives outlined above.

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.

This project is complementary to the CWCB Watershed Restoration grant program, as well as the strategies associated with the conservation, land use and drought planning grant program, and the water education, outreach, and innovation program.

Previous CWCB Grants, Loans or Other Funding



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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.

- 1) Colorado Cattlemen's Association
- 2) Water Plan Grant; Assoc. Engagement and Innovation
- 3) Approving RT(s) – N/A
- 4) 01/10/19
- 5) POGG1 PDAA 201800000656
- 6) 50%

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.

No TABOR related-constraints are known or anticipated



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Submittal Checklist	
X	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⁾
NA	Engineer's statement of probable cost (projects over \$100,000)
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
NA	Map (if applicable) ⁽¹⁾
NA	Photos/Drawings/Reports
X	Letters of Support (Optional) (to be submitted)
X	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
X	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
X	W-9 ⁽²⁾
NA	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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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	July 31, 2018
Name of Grantee:	CCA Ag Water NetWORK
Name of Water Project:	Agriculture Watershed and Stream Management Planning Outreach & Technical Assistance
Funding Source:	Agricultural Projects
Water Project Overview:	
<p>The project begins with a survey of Colorado agricultural producers to better determine their perceptions and understanding of watershed management plans (WMPs) and stream management plans (SMPs). The survey will also gauge producer interest in participating in watershed and stream management planning and development activities, and perceived barriers to getting involved. The statewide survey will be used to help identify areas where outreach, training and technical assistance are most needed. A report of the survey findings will be accompanied by a media release and website postings.</p> <p>The survey will help inform twenty-five (25) outreach activities around the state (meetings, workshops, presentations). Outreach activities will include collaboration with other ag organizations (Farm Bureau, Colorado Corn, CLA, conservation districts, others) and will be focused on elevating understanding about WMPs and SMPs among ag producers and county organizations & individuals that work with ag producers, including an overview of the planning and development process, and examples of different successful approaches.</p> <p>We will also attend at least ten (10) ag industry conferences and gatherings around the state to engage in discussions, meetings and/or presentations related to connecting with agricultural producers and leadership more broadly around watershed and stream management planning and implementation. These meetings and informal conversations help spur discussions among other agricultural organizations around stream and watershed management plans. Where interest is expressed by organizations regarding specific elements such as grants (match, timing, etc), we will encourage engagement of CWCB staff as appropriate.</p> <p>Broad outreach will be followed by two (2) meetings around the state focused on the watershed and stream planning process. These educational and informative sessions with agricultural water stakeholders (surface and groundwater) will provide more detailed information about WMPs and SMPs and will help to identify ag-affiliated individuals interested in serving as local coordinators, volunteers or leaders. We anticipate having some speakers from ag-serving government or quasi-government entities and one or more speakers from outside of agriculture that will help provide attendees with greater perspective on the interests and needs of other water stakeholders.</p> <p>Training materials will be created and designed to engage the agricultural industry audience by focusing on ag-specific issues related to watershed and stream management. Existing watershed and stream management planning literature and educational tools developed by other organizations will be reviewed and utilized wherever possible to maximize efficiency.</p> <p>Education and training information will explain watershed and stream management plans in relatable terms to agricultural producer and provide guidance to watershed groups on best practices for engaging</p>	

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producers in stream management and watershed planning efforts. Outreach and training materials will be used in live venues and will be accessible via the internet for anytime-access through multiple platforms.

Four (4) small group and one-on-one trainings will be held with identified prospective coordinators and leaders to provide detailed information and coordinative assistance on initiating, planning, developing, and implementing watershed and stream management plan efforts, along with guidance on organizational structure options, available funding sources, collaboration with non-ag water interests, and types of technical assistance that will be needed, and other WMP and SMP related topics. The training will build WMP and SMP coordinative and leadership capacity within the agricultural community. Additionally, one (1) capstone event will be held to encapsulate progress and solicit feedback on lessons learned and future needs.

Four (4) Publications and Two (2) Webinars will be held during the project period. Three (3) of the publications and the webinars will cover topics related to WMPs, SMPs and multi-benefit projects. One (1) publication will focus on how non-ag watershed groups can engage with agriculture; ie. what should watershed groups know about agriculture. Related website additions and updates will accompany the publications and webinars.

This project will provide pre- and post-training technical and coordinative assistance to agricultural organizations and coordinators. It will also involve multiple and ongoing communications and/or meetings with agricultural organizations (state and local) with ag-affiliated state and federal governmental agencies, non-profit funders, ag organizations, CWCB, and other non-ag water stakeholders (municipal, environmental, industry, etc.).

The project will influence ag water decision-makers in all river basins. We will collaborate with other agricultural organizations and engage with governmental entities (CDA, NRCS, conservation districts, CWCB, etc) to ensure the project elements are successfully executed. In conjunction with needs identified through the survey, outreach and training activities, we will provide technical coordinative assistance to ag producer groups that are interested in developing and /or implementing watershed and stream management plans.

Goals & Outcomes: Raise awareness and improve understanding of watershed and stream management plans among agricultural producers statewide, and provide individual assistance to ag-based groups and individuals seeking to engage and initiate, develop or implement watershed or stream management plans; including addressing the following:

- Characterizing what watershed management plans and stream management plans are, and the differences between them.
- Describing the basic features of a typical plan.
- Explaining how watershed and stream management development processes work to create a more holistic and solution-oriented approach that favors multi-benefit, long-term improvements in watersheds, rivers, and streams.
- Examples of how diverse stakeholder collaboration can result in outcomes that benefit agricultural producers, other stakeholders, watersheds and streams.
- Data Collection and Inventorying: The purpose and value of data collection and inventorying to characterize water and land use resources within a watershed or stream reach (improved understanding of flow regimes, land use, water use and shortages, hydrology, water quality, and needs).
- The value of reviewing past studies first to maximize cost efficiency.
- Utilizing collaborative approach strategies.
- Funding for Improvements: Review and explore funding sources available for the different phases of watershed and stream management planning, including initiation and planning, development, inventorying and data gathering, and design and implementation of plans.

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Geographical Scope and Existing Information: Statewide.

This project will include extensive rural outreach, including presentations at meetings of agricultural organizations, irrigation districts, conservation districts, and other ag-affiliated organizations, with the objective of reaching agricultural producers in every basin and county in the state. Publications and media releases will be used to assist in reaching ag-stakeholders.

The locations of workshops, trainings and meetings will be identified with the goal of reaching as many individual ag water right holders and ditch company members as practicable. We will engage with non-ag water interests through these efforts to facilitate sharing of perspectives and needs among the disparate stakeholders.

Organizational Capacity:

CCA's Ag Water Network will collaborate with other organizations to maximize the impact and efficiency of the project. We anticipate collaborating with CAWA and receiving cooperative support from several agriculture-oriented organizations, potentially including: Colorado Corn Growers, Colorado Livestock Association, Colorado Association of Conservation Districts (CACD), CDA, CAWA, and the USDA-NRCS.

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Project Objectives:

This project will accomplish the following objectives (see TASKS for details):

- **1 Statewide Survey** of Colorado Agricultural Producers designed to ascertain perceptions and attitudes towards watershed management and stream restoration plans, with corresponding analysis, report, media release, online publication(s) and radio interview(s).
- **25 Outreach activities around the state (meetings, workshops, presentations).**
- **Attendance at 10 or more industry conferences** with discussions and/or presentations around agricultural involvement in watershed management and stream restoration plans in collaboration with other stakeholders.
- **Two (2) educational and informative sessions** around the state with agricultural water stakeholders (surface and groundwater) focused on initiating and developing WMPs and SMPs. These meetings will include providing information and examples regarding planning, implementation, funding, collaboration, and soliciting feedback from producers regarding their interests and potential needs related to WMP and SMP at their local level. Includes venue, food catering, etc.
- **Four (4) Small Group and One-on-One Training meetings** around the state with agricultural water stakeholders (surface and groundwater) focusing on developing and implementing WMPs and SMPs. Additionally, **One (1) capstone event** will encapsulate progress, lessons learned, and future needs. These events may include non-ag stakeholder presenters and will, where appropriate, be implemented with one or more other ag-oriented organizations.
- **Four (4) Publications and Two (2) Webinars** covering topics related to WMPs, SMPs and multi-benefit projects that have resulted in improved water management and stream and watershed conditions. Three (3) of the publications and the two webinars will cover topics related to WMPs, SMPs and multi-benefit projects. One (1) publication will focus on how non-ag watershed groups can engage with agriculture; ie. what should watershed groups know about agriculture. Related website additions and updates will accompany the publications and webinars.
- **1 set of Training Materials** (print and online) including a manual covering watershed management and stream restoration plan features, step-wise process development guidance and implementation elements, collaborative methods and approaches for working with other water stakeholders to achieve multi-benefit outcomes, including examples from around the state.
- **Multiple Collaborative Communications** with agricultural organizations and CDA around strengthening outreach to ag producers and with USDA-NRCS to explore incentives for producers to participate in WMP and SMP planning and implementation. Discussion will include whether inclusion of additional ranking points for EQIP applications from producers within areas that have watershed and/or stream management plans being planned, under development or in-place could be enacted.
- **Technical and Coordinative Assistance to a agricultural groups** seeking to initiate, develop and/or implement components of WMPs or SMPs.

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Tasks
Task 1 – One (1) Statewide Survey of Colorado Agricultural Producers designed to ascertain perceptions and attitudes towards watershed management and stream restoration plans and (1) Report of Survey results using Statewide Media Release with online posting and outreach.
Description of Task:
<p>A statewide survey of Colorado agricultural producers will be conducted to determine awareness and understanding of WMPs and SMPs and assess producer attitudes towards WMPs and SMPs. The survey will also gauge producer interest in participating in watershed and stream management planning and development activities, and perceived barriers to getting involved. The web-based survey will be conducted in collaboration with other agricultural organizations. The survey will be disseminated to producers in all counties of the state.</p> <p>The results of the survey will be analyzed, charted and compiled into report format. The report will include an executive summary, written and graphic analyses of the data, and a conclusion with recommendations. A media release summarizing the survey findings will be distributed, and the report and media release will be posted on the CCA Ag Water Network with invitations to other organizations to link to the report. Results of the survey will also be included in presentations, meetings and other outreach.</p>
Method/Procedure:
<p>The survey will be conducted using a web-based application like Survey Monkey. Survey questions will be crafted to both inform the participant about watershed and stream management plan elements and ask their opinion about a given aspect of WMPs and SMPs. To incentivize participation in the survey, for the first 3-4 weeks, one gift card will be awarded weekly from a random drawing of agricultural producers who have completed the survey.</p> <p>The collected survey results will be analyzed using appropriate statistical methods. Tables and graphs will be created to convey the results in a concise, easy-to-understand format. The tables and graphs will complement the narrative portion of the report and vice versa. The media release will summarize the findings of the report in bullet format.</p>
Deliverable:
<ol style="list-style-type: none"> 1. Create and execute the web-based survey. 2. Analyze the survey results and create a report summarizing and detailing the survey findings. 3. Write and issue a media release summarizing the survey results. 4. Post the survey report on the Ag Water Network and CCA websites with offerings to other organizations to link to the report. 5. Include elements of the survey results in presentations and meetings around the state.

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Tasks
<p>Task 2 – Twenty-five (25) Outreach activities around the state (meetings, workshops, presentations) to provide information and raise awareness among the agricultural community about watershed and stream management plan features and benefits.</p>
<p>Description of Task:</p>
<p>Workshops, meetings and / or presentations will be held throughout the state with the objective of reaching agricultural producers in every basin and county in the state. Outreach actions will be focused on explaining the features of watershed management and stream management plans, why it is crucial for agriculture to be actively involved in the planning process, and examples of how collaborating with other water stakeholders can yield benefits for agricultural producers and our water resources.</p> <p>Outreach will also help elevate perspective on agriculture’s unique position regarding water in Colorado within a larger context of population growth, drought, and competing demands for water.</p> <p>Outreach activities will include collaboration with other ag organizations – (Farm Bureau, Colorado Corn, Colorado Livestock Association, Colorado Agricultural Water Alliance, and others) and will include presenting at other ag organization venues. Outreach will be focused on raising awareness and understanding about WMPs and SMPs among ag producers and county organizations & individuals that work with ag producers.</p>
<p>Method/Procedure:</p>
<p>In collaboration with local agricultural and water interests and Basin Roundtables, agendas will be set and relevant speakers identified. Events will be promoted through the CCA and other organizations, soil conservation districts, water conservancy districts, local media outlets and others. Outreach may include field trips to showcase planning and implementation efforts and hear from individual producers about benefits resulting from engaging in the WMP and SMP process.</p>
<p>Deliverable:</p> <ul style="list-style-type: none"> • Utilize information gleaned from the planned survey and summit to create outreach materials that address the needs of local agricultural producers and collaborating entities (irrigation and conservation districts, basin roundtables, etc.). • 25 or more meetings, presentations or workshops statewide which are designed to inform and educate ag water stakeholders about watershed and stream management plans. • Document attendee numbers at meetings, workshops, presentations. • Continually gather, compile and analyze feedback from producers at workshops, etc. to inform the development of WMP and SMP planning and implementation outreach training materials.

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Tasks
Task 3 – Attendance at Ten (10) or more Industry Conferences / Gatherings
Description of Task:
<p>Formal and informal meetings or presentations at industry conferences and workshops to discuss with industry leaders and ag producers the purpose of the Ag Water Network's focus on Watershed and Stream Management Plans and the benefits of involvement to agriculture. We'll also gather input, answer questions and solicit opportunities to present to and meet with members of industry groups at local and regional meetings.</p> <p>Face-to-face discussions with industry leaders will amplify and expedite outreach efforts to the agricultural community around WMPs and SMPs. These engagements will also spur discussions within other agricultural organizations around WMPs and SMPs and participation in planning processes.</p> <p>We will also solicit input from industry group leaders on identifying individuals within their organizations that may have interest in serving as a local watershed planning coordinator, leader or advisor.</p>
Method/Procedure:
<p>Attend industry conferences around the state and present or engage in discussions with industry leaders with the goal of promoting greater understanding and awareness around watershed and stream management plans, and the necessity and potential benefits of broad agricultural involvement and leadership.</p> <p>Solicit feedback from industry and ag-oriented government organizations to identify prospective coordinators / leaders / volunteers from the ag community that would be interested in leading / supporting WMP and SMP-related activities.</p>
Deliverable:
<ol style="list-style-type: none"> 1. Tracking sheet of industry conferences or meeting attended with basic details on discussions and presentations. 2. Summary of comments and questions received that can be used to identify knowledge gaps, involvement incentives, etc.

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Tasks
Task 4 – Two (2) WMP and SMP Educational and Informative Sessions around the state
Description of Task:
<p>A minimum of two (2) educational and informative sessions will be held around the state to provide more in-depth information about WMPs and SMPs to attendees. These gatherings will build upon prior information and awareness outreach and provide greater detail about specific elements of WMPs and SMPs and lay the groundwork for identifying potential ag-oriented WMP and SMP coordinators. An overview of the watershed management and stream restoration planning and implementation process will accompany examples of ag-oriented management and implementation practices utilized already. In some cases, we anticipate WMP or SMP-relevant presentations from entities such as the local conservation district, NRCS, water conservancy district, irrigation district, as well as coordinators/leaders working with ag on WMP-related projects in the area.</p> <p>These informative sessions will help build a foundation for attendees to feel comfortable engaging on comprehensive WMP and SMP discussions and training, whether they are serving as a coordinator or an informed stakeholder.</p>
Method/Procedure:
<p>Overarching informational objectives will be defined and corresponding presentation material will be created.</p> <p>The agenda for each meeting will be tailored to local interests and concerns while addressing the primary considerations of WMPs and SMPs.</p> <p>Speakers will provide local / regional perspective and project examples.</p> <p>Open dialog sessions will enable discussion on all related WMP and SMP topics of interest. Notes will be taken during the dialog session to inform later meetings and upcoming training agendas.</p>
Deliverable:
<ul style="list-style-type: none"> • Hold at least 2 WMP and SMP-focused meetings around the state. • Track attendance at each event. • Identify prospective coordinators for WMP and SMP-related activities. • Summarize meeting activities in reports.

Last Updated: Jan 16, 2018

Tasks
Task 5 – Four (4) Small Group and One-on-One Meetings focused on WMP and SMPs, and one (1) capstone event.
Description of Task:
<p>Training forums will be designed to prepare prospective ag-oriented watershed and stream management planning coordinators to move forward with WMP and SMP initiation and development in their local areas. It will also provide existing ag-focused WMP coordinators with an opportunity to learn more about the different aspects of WMP and SMP planning and implementation and facilitate informational exchange between prospective and existing coordinators and ag leaders from around their area. Also, One (1) capstone event will encapsulate progress, lessons learned, effective BMPs, future needs, etc. These events may include non-ag stakeholder presenters and may be implemented with the CAWA or one or more other ag-oriented organizations.</p> <p>Training materials developed as part of this project (see Task 7) will be utilized with other information pertaining to WMPs and SMPs. Training materials will be provided to all participants to take home. Presentations will include ag-oriented producers / leaders sharing examples and experiences, with topics including organization structuring, effective producer outreach methods, securing funding, initiating projects and defining desired outcomes and steps necessary to achieve them, establishing collaboration with non-ag stakeholders and defining roles, utilizing technical expertise, managing expectations and disparate priorities and identifying mutual benefits, communicating with the public, developing the plan, executing on implementation, follow-up monitoring and ongoing plan updating and implementation.</p> <p>Inclusion of the perspective of municipal, environmental and/or recreational interests will be part of the training forums. It is anticipated that one or more stakeholders from these groups will be invited to speak.</p> <p>Significant time will be set aside during each meeting for group discussions around topics of questions and interest including common areas of challenge and needs, as well as problem-solving methods and examples, securing resources, challenges encountered and lessons learned.</p> <p>An attendance stipend will be offered to prospective ag-oriented coordinators that need financial assistance in order to attend. Expense reimbursement will also be provided to presenters that require it in order to attend. Meals and refreshments will be provided at no charge to all participants.</p>
Method/Procedure:
<p>Utilizing feedback from the survey, outreach efforts and industry group leaders, as well as the training materials developed for ag producers (Task 7), the project will create a training format, secure venues, identify speakers, extend invitations to participate, conduct training sessions with a participant survey at the conclusion.</p>
Deliverable:
<ul style="list-style-type: none"> • Training prospective agricultural-oriented coordinators, leaders and volunteers at meetings held around the state. • Tracking and summary reporting of training participation and topics covered and feedback from participants. • Summary report with final tally of number of people trained by area of the state and basin. • Recommendations for future training forums.

Last Updated: Jan 16, 2018

Tasks
Task 6 – Four (4) Publications and Two (2) Webinars covering topics related to WMPs, SMPs and multi-benefit projects
Description of Task:
<p>Four (4) Publications and Two (2) Webinars covering topics related to WMPs, SMPs and specific multi-benefit projects that have resulted in improved water management and stream and watershed conditions. The results of the statewide survey along with feedback received through outreach efforts will help inform and guide development of publications that address identified knowledge gaps among producers.</p> <p>Three (3) of the publications and the two webinars will cover topics related to WMPs, SMPs and multi-benefit projects. One (1) publication will focus on how non-ag watershed groups can engage with agriculture; ie. what should watershed groups know about agriculture? How can non-ag groups effectively work with agricultural stakeholders on WMP and SMP efforts? Related website additions and updates will accompany the publications and webinars.</p> <p>Publications will be media-released and posted online. Media releases will be followed up with contacts to rural media outlets to help ensure broad distribution and use of the publications.</p>
Method/Procedure:
<ol style="list-style-type: none"> 1. Identify voids in awareness and understanding among ag producers and rural dwellers regarding broad and/or specific aspects of WMPs and SMPs. 2. Prepare publications and conduct webinars during the grant period that address one or more of the identified information gaps with references that enable readers to learn more. 3. Solicit feedback from existing and new ag-oriented coordinators to gather input on how non-ag groups can effectively engage and work with ag producers. 4. Accompany the release of each publication with a media release including follow-up with rural media outlets to maximize reader exposure.
Deliverable:
<ul style="list-style-type: none"> • Three (3) publications and two (2) webinars focused on WMP or SMP related topics. • One (1) publication designed to help non-ag WMP and SMP stakeholders effectively engage agricultural stakeholders. • Media outreach in conjunction with the release of each publication.

Last Updated: Jan 16, 2018

Tasks
Task 7 – One (1) Set of Ag-Focused Training Materials on WMPs and SMPs
Description of Task:
<p>A set of training materials will be developed (print and online) including a manual covering watershed management and stream restoration plan features, step-wise process development guidance and implementation elements, collaborative methods and approaches for working with other water stakeholders to achieve multi-benefit outcomes, and examples from around the state. This set of materials will be used in the training sessions (see Task 5) and may be utilized in other outreach efforts as well. Training materials will also be posted online.</p> <p>The training materials will be designed to help improve ag producer understanding about the purpose and benefits of watershed and stream management planning. These materials will include the basics on how the planning process can unlock funding for irrigation infrastructure and on-farm conservation practices which can improve irrigation efficiency, water conservation, soil health, forage and crop yield, and other practices that provide on-farm benefits and ecosystem services that can help protect and restore stream flows and water quality. It will also provide details about funding mechanisms, grant matching funds, how to engage other water stakeholders within a collaborative framework to create a comprehensive plan and maximize benefits. The training and materials will emphasize the utility of WMPs and SMPs as tools for constructively identifying and addressing multiple water-related needs – including agriculture's - within an area.</p>
Method/Procedure:
<p>A review of existing watershed and stream management planning and implementation literature, resource guides and training materials will be conducted and adapted as needed to address the needs and interests of agricultural audiences. Prior to modifying any existing materials, approval from the publishing entity and any copyright waivers needed will be obtained. Any informational gaps will be addressed by creating original content. All content once completed and tested in training forum(s) will be posted online. Acknowledgment of all content contributors will be made. Training forums will be adapted and improved as we progress.</p>
Deliverable:
<ul style="list-style-type: none"> • WMP and SMP training materials developed specifically for Colorado ag producers and ag-oriented entities. • Posting training materials online with links to other sources. • Adjusting training material content as needed.

Tasks

Last Updated: Jan 16, 2018

Tasks
Task 8 – Multiple Collaborative Communications and Meetings
Description of Task:
<p>This task includes ongoing collaborative communications and meetings with agricultural producers and organizations and ag-affiliated government agencies around enhancing outreach, technical and coordinative services, and funding opportunities for improvements related to WMPs and SMP planning and implementation. Discussions with USDA-NRCS to explore the inclusion of additional ranking points for EQIP-applications from producers within areas that have watershed and/or stream management plans will be explored. This genre of discussion may also include discussions with non-profit philanthropic organizations that are interested in funding innovative multi-benefit conservation projects that improve or protect water quality - such as irrigation, soil health and riparian or wetland buffer improvements.</p> <p>The Ag Water Network will also connect with the CDA and conservation districts to identify areas where similar objectives can be leveraged to extend outreach and funding support for conservation practices that support WMPs and SMP objectives.</p>
Method/Procedure:
<p>Communications and meetings with the entities described above to help create additional structural capacity and funding for agricultural engagement on WMP and SMP related activities.</p>
Deliverable:
<ul style="list-style-type: none"> • Pursue enhancement of NRCS EQIP-application ranking for agricultural producers located in watersheds where WMPs are developed or underway, and document progress attained. • Engage in discussions with CDA and conservation districts around shared goals involving agriculture in coordinating and leading or collaborating on development of WMPs and SMPs around the state that can enhance conservation practice installation and cost-sharing. • Dialog with conservation-minded non-profit funders regarding innovative ways to engage with agricultural producers to achieve multi-benefit water resource outcomes. • Summarize in the periodic and final reports results described in the aforementioned deliverables.

Last Updated: Jan 16, 2018

Tasks
Task 9 – Post-Training Technical and Coordinative Assistance to ag groups
Description of Task:
<p>Post-training coordinative and technical assistance will be provided to training participants to help them in progressing in their WMP and SMP efforts, which may include but not be limited to the following activities:</p> <ul style="list-style-type: none"> • Identifying the organizational structure that best aligns with local ag needs and interests relating to WMP and SMP planning, development and implementation. • Identifying funding sources, preparing grant applications and related tasks. • Identifying the most effective ways to connect and get input from ag producers. • Engaging with other, non-ag water stakeholders on WMP and SMPs, and members of the public. • Identifying and prioritizing disparate needs within a watershed, stream reach or drainage area and defining desired outcome(s) of specific projects (quantitative, qualitative). • Identifying and vetting technical resources needed to accomplish objectives. • Maintaining open lines of communication and managing different perspectives. • Follow-up measurement / monitoring of installed practices.
Method/Procedure:
<p>Follow-up contact and ongoing assistance will be provided to training participants to ensure a successful transition from training to engagement around WMPs or SMPs within their local area. The Ag Water Network's post-training assistance will provide a reliable 'safety-net' resource that WMP and SMP coordinators and affiliated ag-entities can access to help expedite planning and development processes.</p> <p>Assistance will include electronic communications, on-site meetings and presentations, and limited field work demonstrations (ex: inventorying irrigation infrastructure using GPS, water sampling, etc.). On an on-going basis, we will also be sharing tips, proven strategies and helpful resources to all training participants and others. This task may include utilizing the services of one or more field-specific experts.</p>
Deliverable:
<p>Documentation and reporting of assistance provided to WMP / SMP coordinators and related ag-entities over the grant period, including:</p> <ul style="list-style-type: none"> • Tracking and reporting the type and extent of assistance provided, • Description of areas / topics of greatest support needs. • Summary of challenges and solutions identified, lessons learned, technical assistance voids, and assessment of needs going forward included in the final report.

Last Updated: Jan 16, 2018

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.

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

Last Updated: Jan 16, 2018

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.

Project costs not covered by those or other grants, and are therefore the responsibility of the grantee, will be eligible for CWCB funds at the following percentages of project costs:

Type of Activity	Percent of Project Costs		
	Recommended Grant Funding Request	Max Grant Funding Request (All CWCB Sources)	Minimum Funding Match (Non-CWCB Sources)
Engineering & Construction	20%	50%	50%
Feasibility Study	50%	50%	50%
Reducing Agricultural Dry Up	50%	80%	20%
Conservation/Efficiency Methods	50%	80%	20%
Educational Efforts	50%	80%	20%
Environmental Conservation	50%	80%	20%
Watershed Improvements	50%	80%	20%
Stream Improvements	50%	80%	20%
Land Use Planning	20%	50%	50%
Recreational Projects	20%	80%	20%

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.
- (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.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit B

Budget and Schedule

Date: August 1, 2018

Name of Applicant:

Name of Water Project: Agriculture Watershed and Stream Management Planning Outreach & Technical Assistance

Project Start Date: 3/1/2019

Project End Date: 2/28/2021

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	• <u>1</u> Statewide Survey of Colorado Agricultural Producers about perceptions and understanding of watershed management plans (WMPs) and stream management plans (SMPs).	3/1/2019	7/15/2019	\$ 7,500	\$ 5,000	\$12,500
2	• <u>40</u> Outreach activities around the state (meetings, workshops, presentations) focused on raising awareness and understanding of WMPs and SMPs among ag producers and ag organizations that work with ag producers. Includes venue, food catering, etc.	3/15/2019	2/15/2021	\$ 8,000	\$ 32,000	\$40,000
3	• <u>Attendance at 10</u> or more industry conferences with discussions and/or presentations around agricultural involvement in watershed management and stream restoration plans in collaboration with other stakeholders.	3/1/2019	2/15/2021	\$ -	\$ 5,000	\$5,000
4	• <u>4</u> educational and informative sessions around the state with agricultural water stakeholders (surface and groundwater) focusing on initiating and developing; ie. how to build WMPs and SMPs. Includes venue, food catering, etc.	6/1/2019	7/1/2020	\$ 8,000	\$ 8,000	\$16,000
5	• <u>(12) Small Group and One-on-One Ag-Focused Training Meetings</u> focused on the purpose of WMPs and SMPs and initiation, development, implementation. Includes venue, food catering, etc.	7/1/2019	2/1/2021	\$ 44,000	\$ 10,000	\$54,000
6	• <u>Six (6) Publications</u> covering topics related to WMPs, SMPs and multi-benefit projects that have resulted in improved water management and stream and watershed conditions.	3/15/2019	2/1/2021	\$ 4,200	\$ 4,200	\$8,400
7	• <u>1 set of Ag-focused Training Materials</u> (print and online) covering watershed management and stream restoration plan features. Existing materials developed by others will be used and adapted to the extent practicable.	4/1/2019	10/1/2020	\$ 10,000	\$ 10,000	\$20,000
8	• <u>Multiple Collaborative Communications</u> and/or meetings with agricultural organizations (state and local) with ag-affiliated state and federal governmental agencies, non-profit funders, ag organizations.	3/1/2019	2/28/2021	\$ -	\$ 9,600	\$9,600
9	• Post-Training Technical and Coordinative Assistance to ag groups on WMP initiation, obtaining funding, planning and/or implementation. These activities will involve providing support and some technical assistance to coordinators on WMP / SMP-related activities.	7/1/2019	2/28/2021	\$ 30,000	\$ 28,000	\$58,000
10	• Staff Time (CCA)	3/1/2019	2/28/2021	\$ 33,600	\$ 33,600	\$67,200
						\$0
						\$0
						\$0
Total				\$145,300	\$145,400	\$290,700