



COLORADO

Colorado Water
Conservation Board

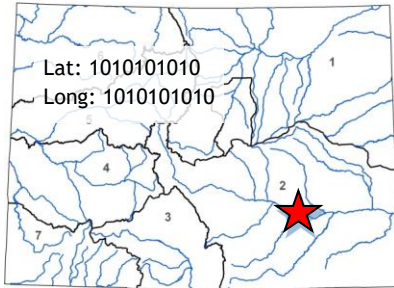
Department of Natural Resources

Water Legacy: Documenting Knowledge for Future Generations

Poudre Heritage Alliance

November 2019 Board Meeting

Water Plan Grant Application



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

D E T A I L S	
Total Project Cost:	\$66,500
Water Plan Grant Request:	\$30,000
Recommended Amount:	\$30,000
Other CWCB Funding:	\$10,000
Other Funding Amount:	\$17,500
Applicant Match:	\$9,000
Project Type: Other - Education	
Project Category: Engagement & Innovation	
Measurable Result: 9 recorded oral histories, 3 educational videos available statewide	

The applicant, the Poudre Heritage Alliance (PHA), is the nonprofit manager of the Cache la Poudre River National Heritage Area. The PHA helps current and future generations understand and celebrate the Cache la Poudre River NHA by facilitating educational outreach programs and related activities in collaboration with residents, private sector and government entities to understanding water development, water law, and water management, particularly in the western states.

The goal of the project is to interview key Colorado water professionals, who have retired or are close to retirement, to learn about their lives and careers, capturing stories, insights, and information that may not be recorded or documented anywhere else.

Funding will be used to pay a videographer and interviewer who will be doing the bulk of the work on this project. Once the interviews are conducted, the video and full transcript will be posted online at the Colorado State University Water Resources Archive, openly accessible for all to view, learn from, and repurpose. Some of the interviews will be selected to distill into 3-5 minute educational videos for students and the public hosted in the PHA's online video library. PHA notes that their website receives an average of 46,000 views per year and estimates there are 39,000 unique page views.

The interviewees will come from basins across the state as well as from a variety of professional disciplines. This will ensure a diversity of historically important information about Colorado water law, policy, management, projects, systems, events, and organizations. It will be of wide interest to people across the state, engaging and educating them as well as providing advice for the future.

This project helps to meet the goals in Section 9.5 of the Water Plan by helping to inform Coloradans about the issues so that they may engage in determining Colorado's water future.

Funding Recommendation: Staff is recommending a grant of \$30,000 from the Engagement and Innovation category of funding.



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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	Poudre Heritage Alliance (with CSU Water Resources Archive)	
Name of Water Project	Water Legacy: Documenting Knowledge for Future Generations	
CWP Grant Request Amount	\$30,000	
Other Funding Sources <u>Upper Yampa Water Conservancy District</u>	\$5,000 secured	
Other Funding Sources <u>Northern Water</u>	\$5,000 secured	
Other Funding Sources <u>CoBank</u>	\$5,000 secured	
Other Funding Sources <u>CWCB</u>	\$10,000 secured	
Other Funding Sources <u>Colorado Bar Association</u>	\$2,500 secured	
Applicant Funding Contribution	\$5,000 PHA secured (cash)	
	\$4,000 PHA & CSU-WRA (in-kind labor)	
Total Project Cost	\$66,500	



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Applicant & Grantee Information	
Name of Grantee(s)	Poudre Heritage Alliance
Mailing Address	3745 East Prospect Rd, Suite 205, Ft. Collins, CO 80525
FEIN	36-4507550
Organization Contact	Kathleen Benedict
Position/Title	Executive Director
Email	kbenedict@poudreheritage.org
Phone	970-295-4851
Grant Management Contact	Jordan Williams
Position/Title	Assistant Program Manager
Email	admin@poudreheritage.org
Phone	970-295-4851
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).	
<p>The Poudre Heritage Alliance (PHA) is the nonprofit manager of the Cache la Poudre River National Heritage Area, one of 55 cultural and natural landscapes that have been set aside by Congress as irreplaceable sources of life and inspiration. The Cache la Poudre River's story is crucial to understanding water development, water law, and water management, particularly in the western states.</p> <p>The PHA helps current and future generations understand and celebrate the Cache la Poudre River NHA by facilitating educational outreach programs and related activities in collaboration with residents, private sector and government entities.</p>	



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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.
	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.
X	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)	
	Study
	Construction
	Identified Projects and Processes (IPP)
X	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	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>	
	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>	
X	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>	
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	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/Counties	Colorado - Statewide
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.

The goal of the Water Legacy Project is to interview key Colorado water professionals (who have retired or are close to retirement) to learn about their lives and careers, capturing stories, insights, and information that may not be recorded or documented anywhere else. Partners are the PHA and the Colorado State University Water Resources Archive.

Funding will be used to pay a videographer and interviewer who will be doing the bulk of the work on this project. Once the interviews are conducted, the video and full transcript will be posted online at the Water Resources Archive, openly accessible for all to view, learn from, and repurpose. Some of the interviews will be selected to distill into 3-5 minute educational videos for students and the public hosted in the PHA's online video library.

The interviewees will come from basins across the state as well as from a variety of professional disciplines. This will ensure a diversity of historically important information about Colorado water law, policy, management, projects, systems, events, and organizations. It will be of wide interest to people across the state, engaging and educating them as well as providing advice for the future.



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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	
Statewide Impact	Number of Coloradans Impacted by Engagement Activity	
Water Plan Grant funding will support: <ul style="list-style-type: none"> • 9 Recorded Oral Histories (1.5-2.0 hours each) • 3 Educational Videos (3-5 minutes each) 	Other	Explain: <ul style="list-style-type: none"> • Digital video recordings • Transcripts • Recordings and transcripts delivered through the Water Resources Archive and CSU Digital Repository https://lib.colostate.edu/find/archives-special-collections/collections/water-resources-archive/ • Educational videos delivered through Poudre Heritage Alliance - https://poudreheritage.org/videos/ • Publicity of availability to participants, partners, historians, water agencies, educators, researchers, media, etc.

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>



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The Water Legacy program is a statewide education and outreach initiative to capture and share stories, insights, and information from key individuals who hold vital knowledge about western water issues. The recorded oral histories provide valuable information to researchers, water agencies and organizations; media outlets and documentary filmmakers; students, communities, and the general public; and policy-makers and legislators.

The individuals who have been, and will be, interviewed were instrumental in shaping Colorado's water legacy. Each has devoted their career to water law, policy, engineering, agriculture, finance, conservation, etc. Many of them informed the Colorado Water Plan and individual basin plans, and thus essentially touch on each and every section and objective in the plan.

Following are a few specific examples:

The Water Legacy Program supports the following goals in the Colorado Water Plan and the PEPO Roundtable Education Action Plan

CO Water Plan Section 9.5: Goal: Colorado's Water Plan provides technical and financial assistance for high-quality, balanced, and grassroots water education and outreach efforts that inform Coloradans about the issues so that they may engage in determining Colorado's water future.

PEPO Education Action Plan

II. Educational Priorities & Implementation: Overall goals of the Education and Outreach Committee of the South Platte Basin Roundtable include a focus on educating and engaging the public, decision-makers and elected officials on the scope and purpose of the BIP and the State Water Plan, with an overarching theme of focusing on solutions-oriented water supply planning.

Specific Objectives met:

- Integrate into statewide outreach initiatives
- Provide consistency and commonality of water education outreach messaging
- Coordinate Social Media Communications
- Solicit input from affected stakeholders

CO Water Plan Section 6.3.4 Agricultural Conservation, Efficiency, and Reuse

6.4 Alternative Agricultural Transfers

6.5 Municipal, Industrial, and Agricultural Infrastructure Projects and Methods

One recorded interview was with John Stulp - a cattle rancher, Governor John Hickenlooper's chief advisor on water issues, and former Commissioner of Agriculture (2006-2011).

CO Water Plan Chapter 9: Alignment of State Resources and Policies

9.1 Protecting Colorado's Compacts and Upholding Colorado Water Law

9.3 State Water Rights and Alignment

One recorded interview was with Tom Sharp, attorney from Steamboat Springs. Sharp represents the Yampa and White river basins on the Colorado Water Conservation Board and is on the board of directors for the Colorado River Water Conservation District and the Upper Yampa Water Conservancy District.

CO Water Plan Chapter 6:

6.1 Scenario Planning & Developing an Adaptive Water Strategy

6.2 Meeting Colorado's Water Gaps

6.3 Water Conservation and Reuse

6.3.1 Municipal Water Conservation

One recorded interview was with Eric Wilkinson who spent his entire career in the water industry, the



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majority of which was with Northern Water. During his career he worked on the Northern Integrated Supply Project, Windy Gap Farming Project, Colorado-Big Thompson Project among many others. In 2011, Wilkinson received the Aspinall Award presented by the Colorado Water Congress, which is given to the Colorado Water Leader of the Year.

Completed interviews that are in editing stage include:

Patricia Wells, retired attorney for Denver Water
Alan Hamel, retired executive director of Pueblo Board of Water Works
Travis Smith, retired superintendent of the San Luis Valley Irrigation District
David Robbins, longtime attorney at Hill and Robbins
Russell George, chair of CWCB Interbasin Compact Committee

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 builds upon the existing oral history and educational video collections of CSU and PHA.

CSU Water Resources Archive, Water Oral Histories Collection -
<https://lib2.colostate.edu/archives/findingaids/water/wohc.html>

PHA Video Library and Water Legacy program - <https://www.poudreheritage.org/videos/>

Additionally, the CWCB has long funded digitization of paper documents in the Water Resources Archive. Those materials and all interviews from this project will live in the same digital repository, allowing anyone searching for water materials to find them all together.

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.



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Poudre Heritage Alliance
3/11/19 - \$10,000 for Water Legacy, service to June 30, 2019
Order POGG1, PDAA, 201900002746

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.

As the Poudre Heritage Alliance is a nonprofit organization, TABOR issues will not affect our application.

Submittal Checklist

yes	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
yes	Statement of Work ⁽¹⁾
yes	Budget & Schedule ⁽¹⁾
n/a	Engineer's statement of probable cost (projects over \$100,000)
yes	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
n/a	Map (if applicable) ⁽¹⁾
n/a	Photos/Drawings/Reports
TBA	Letters of Support (Optional) – <i>pending meeting with Metro Round Table Aug 8, South Platte Round Table Aug 13</i>
yes	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
yes	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
yes	W-9 ⁽²⁾
n/a	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
yes	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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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado’s Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado’s water communication, outreach, education, and public engagement efforts; advance Colorado’s water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as “project” in this application.

Overview (answer for both tracks)
<p>In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?</p> <p>The goal of the Water Legacy Project is to record interviews with individuals that have been instrumental in the development of water resources in Colorado. The fully transcribed oral histories are added to the CSU Water Resources Archive, and selected full interviews are distilled into 3-5 minute educational videos for students and the public hosted on the PHA’s online video library. This is an engagement program that supports water-related education, outreach and communication on both a statewide and local basis. People will be able to learn about past, current and future water issues through firsthand, personal storytelling. Further, the videos can be repurposed by documentary filmmakers, journalists, podcasters, or others wishing to tap in to this unique resource for educational purposes.</p>
<p>Who is/are the target audience(s)? How will you reach them? How will you involve the community?</p> <p>In the broadest sense, our target audience is anyone residing in, or visiting, Colorado, because water is an issue that impacts everyone. The recorded interviews and educational videos will have relevance to policy-makers, researchers, students and teachers, businesses, agriculture, environmentalists, recreationists, engineers, historians, financial institutions, water agencies and organizations, documentary film makers, media and others.</p> <p>The recorded interviews are shared through CSU Water Resources Archive online collection, which currently has an audience of international users. Outreach will be done through the Water Resources</p>



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Overview (answer for both tracks)
<p>Archive e-newsletter (sent to ~10,000 people), campus media and social media outlets, and known water-related journalists. Additionally, the Water Resources Archive will inform prominent water organizations (Colorado Water Congress, Water Education Colorado, DARCA, water districts, etc.) and the basin roundtables of the availability of these resources, many of which will also help promote them. The interviewees will also likely share the news through their contacts and communities.</p> <p>The educational videos are shared through the PHA online video library. PHA's website receives average 46,000 views per year (est. 39,000 unique page views).</p> <p>We will continue to involve the broader community through press advisories, social media, the online collections, conferences, and workshops.</p>
<p>Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?</p> <p>Major implementing project partners include: CSU Water Resources Archive and the Poudre Heritage Alliance.</p> <p>This project is inherently collaborative because it engages key players in the water industry from a variety of disciplines within the field, and from statewide river basins.</p> <p>And by definition, National Heritage Areas are founded on partnerships. The Poudre Heritage Alliance's commitment to collaboration is demonstrated in our management plan goal "facilitating educational outreach programs and related activities in collaboration with residents, private sector and government entities." The Poudre Heritage Alliance has partnerships with many individuals, as well as public, private and nonprofit organizations throughout the Poudre River corridor.</p> <p>This program engages a diverse group of stakeholders throughout Colorado, ultimately representing all river basins and disciplines in the water field. Interviewees to date represent law, engineering, agriculture, resource conservation and management, and water policy in the Metro, South Platte, Arkansas, Rio Grande, and Yampa-White-Green River Basins.</p> <p>Funding partners to date include:</p> <ul style="list-style-type: none">• Upper Yampa Water Conservancy District, \$5,000• Northern Water, \$5,000• CoBank, \$5,000• CWCB, \$10,000• Colorado Bar Association, \$2,500• Cache la Poudre River National Heritage Area, \$5,000
<p>Describe how you plan to measure and evaluate the success and impact of the project?</p> <p>Quantifiable success can be measured via:</p> <ul style="list-style-type: none">• Funding secured• # of recorded interviews• # of users to the CSU Water Oral History archives• # of users to the PHA online videos• # of Water Basins represented <p>Qualitative success can be measured via:</p> <ul style="list-style-type: none">• Variety of disciplines represented by the interviewees• Feedback from users of the materials (i.e. water industry, teachers)



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Overview (answer for both tracks)
<ul style="list-style-type: none"> • Feedback from organizations interviewees represent • Media or PR • Extended reach (nation, international)
What research, evidence, and data support your project?
<p>1. "Water resource management includes consideration of all of the above disciplines of hydrology. Water supplies are allocated and diverted to a range of agricultural, municipal, industrial, hydroelectrical, and ecological needs. Some of these water uses are consumptive, removing water from the system (e.g., crop irrigation). Other types of water use return the water to a river, lake, or to the ground, but the water often requires treatment to restore it to a natural state; sometimes this is not possible (e.g., industrial tailings ponds).</p> <p>The balancing act involved in water management includes a broad range of stakeholders and includes water policy and legal experts." <i>–Hydrology, S.J. Marshall, in Reference Module in Earth Systems and Environmental Sciences, 2013</i></p> <p>2. "Water scarcity affects more than 40% of the global population. Water-related disasters account for 70% of all deaths related to natural disasters. ...To strengthen water security against this backdrop of increasing demand, water scarcity, growing uncertainty, greater extremes, and fragmentation challenges, clients will need to invest in institutional strengthening, information management, and (natural and man-made) infrastructure development." <i>–World Bank, https://www.worldbank.org/en/topic/waterresourcesmanagement</i></p> <p>3. Timmerman JG, Langaas S (2005), <i>Water information: What is it good for? The use of information in transboundary water management. Regional Environmental Change</i> 5:177–187.</p> <p>4. <i>Linking knowledge with action in the pursuit of sustainable water-resources management</i> Katharine Jacobs, Louis Lebel, James Buizer, Lee Addams, Pamela Matson, Ellen McCullough, Po Garden, George Saliba, and Timothy Finan <i>PNAS</i> April 26, 2016 113 (17) 4591-4596; first published January 11, 2010 https://doi.org/10.1073/pnas.0813125107 Edited by William C. Clark, Harvard University, Cambridge, MA, and approved December 2, 2009 (received for review December 26, 2008)</p> <p>5. Oral History Association Core Principles https://www.oralhistory.org/oha-core-principles/ "The value of oral history lies largely in the way it helps to place people's experiences within a larger social and historical context. The interview becomes a record useful for documenting past events, individual or collective experiences, and understandings of the ways that history is constructed."</p> <p>Oral History Association Best Practices https://www.oralhistory.org/best-practices/</p>
Describe potential short- and long-term challenges with this project.
<p>The most significant challenge of this project is the human lifespan. The Colorado water community has lost a number of prominent contributors in recent years that should have been captured in recorded interviews. We can never get back those we have lost, or capture their knowledge and stories in their own words.</p>



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Overview (answer for both tracks)

Another challenge is that we can only do as many interviews as funding allows. While 20 interviews will form a successful project, we know that dozens more people should be included. Making appropriate, widely representative selections will be a challenge that we will take on by welcoming advice from roundtables.

Other challenges are minor and tend to fall within the logistical realm, for example, scheduling the interviews.

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track

Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."

This program records interviews with individuals and organizations that have been instrumental in the development of water resources in Colorado. These individuals have collectively impacted every Water Basin in the state, and ultimately when our target level of 20 recordings has been reached, will represent every discipline within the water industry. The interviewees share key insights and information garnered throughout their careers, and this information is not available on any other platform.

The recorded interviews are being shared via two online platforms. The fully transcribed interviews will reside in perpetuity in the CSU Water Resources Archive collection. The shorter educational videos will reside in perpetuity within the Poudre Heritage Alliance video collection.

Educational videos and sections of the recorded interviews will also be presented at annual conferences and workshops such as the Water Congress and Poudre River Forum. First-hand storytelling of this nature is highly compelling, particularly to younger generations and will accomplish education through engagement. And, what we are creating can be repurposed by other groups as needed.

Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.

The interviewees are individuals who have held key roles in shaping Colorado's water legacy. They are the "Who's Who" of Colorado's water industry, and have individually and collectively shaped or influenced Colorado's Water Plan.

For example:

- Eric Wilkinson, Northern Water, winner of the 2011 Aspinall Award
- Patricia Wells served for 27 years as General Counsel for Denver Water, Colorado's oldest and



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- largest water utility that provides water for one-quarter of the state's population
- John Stulp, cattle rancher, Governor John Hickenlooper's chief advisor on water issues, and former Commissioner of Agriculture (2006-2011)
 - Tom Sharp, attorney, represents the Yampa and White river basins on the Colorado Water Conservancy Board and is on the board of directors for the Colorado River Water Conservation District and the Upper Yampa Water Conservancy District
 - Alan Hamel, recently retired as Director of Pueblo Board of Water Works where he spent 51 years of his career shaping the Arkansas River Basin
 - Travis Smith, Senior Water Consultant, DiNatale Water Consultants

While this project does not directly achieve specific actions in the categories within Colorado's Water Plan such as supply and demand gap and land use, it does so indirectly by providing educational information for citizens to draw on and become engaged in the conversation around these objectives. The education, background and insights from these interviews enables people to come to the table armed with understanding of the issues at play. Also, the interviewees are asked to share advice for the future, which is not only informative now, but will be something to reflect on 20 years from now.

Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).

This program is statewide and achieves goals in each of the Basin Implementation Plans. Many of the individuals that have been interviewed, or have pending interviews, served on the Executive Committees or Roundtables that developed each of the Basin Implementation Plans:

- Eric Wilkinson - South Platte Basin Roundtable
- Alan Hamel - Executive Committee of the Arkansas River Basin Roundtable
- John Stulp - Special Policy Advisor to the Governor and Director of Interbasin Compact Negotiations
- Tom Sharp - Yampa/White/Green Basin Roundtable
- Patricia Wells – Metro Basin Roundtable
- Travis Smith - Rio Grande Basin Director and Chairman, Rio Grande Basin Roundtable
- David Robbins - general counsel to the Rio Grande Water Conservation District
- Russell George – Colorado Basin Roundtable, Chair of CWCB Interbasin Compact Committee

Through these personal interviews, we are creating resources that the roundtables can use for:

- Resource links on their own websites
- Repurposing in any "water 101" or other workshop settings
- Public programming
- Media resources

Because the interviews are personal and reflective, not technical and elitist, they can be understood by general citizens and students.

Describe how the project achieves the basin roundtable's PEPO Education Action Plans.

This project supports PEPO Education Action Plans statewide and is broadly application to all of the basins.

Following is a specific example of how this project supports a basin's PEPO Education Action Plan:

South Platte Basin Roundtable

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PEPO Education Action Plan

II. Educational Priorities & Implementation: Overall goals of the Education and Outreach Committee of the South Platte Basin Roundtable include a focus on educating and engaging the public, decision-makers and elected officials on the scope and purpose of the BIP and the State Water Plan, with an overarching theme of focusing on solutions-oriented water supply planning.

Specific Objectives met:

1. Integrate into statewide outreach initiatives

The oral histories and educational videos will be made available online, and promoted through:

- Existing statewide networks such as for Water Education Colorado, Colorado Watershed Network, Colorado Alliance for Environmental Education, Colorado Department of Education;
- State agencies that promote water education such as CPW, WQCD, and CWCD;
- Statewide NGOS such as Colorado Water Congress, Colorado Watershed Assembly, Colorado Water Wise Council, Colorado Foundation for Agriculture, One World One Water Center at Metropolitan State University of Denver, and the Water Center at Colorado Mesa University; and,
- Regional and local conservancy and conservation districts, water providers, and water utilities.

2. Provide consistency and commonality of water education outreach messaging

While the interviewees will come from basins across the state as well as from a variety of professional disciplines, the interview methodology and questions remain consistent for each interview.

The information provided in the interviews and educational videos can be used to educate and engage the public, decision-makers, and elected officials on solutions oriented water supply planning. The information can be used in whole or part as needed for roundtables to reach different target audiences.

3. Coordinate Social Media Communications

We will tap into the network of existing water educators in a coordinated fashion to help them educate the various and diverse audiences in Colorado. Recordings in full, or part, can be deployed via social media channels to support a specific theme, basin, topic or partner outreach initiative.

4. Solicit input from affected stakeholders

This project provides raw material that roundtables can tailor as needed to facilitate dialogue with a variety of stakeholders, whether those requiring highly technical information, or those requiring more general information. Information gathered through interviews can serve as a forum for education and debate regarding methods for meeting water supply needs.

Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.



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Innovation Track
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?
Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.



Last Updated: November 2018

Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	07/28/19
Name of Grantee:	Poudre Heritage Alliance
Name of Water Project:	Water Legacy: Documenting Knowledge for Future Generations
Funding Source:	Upper Yampa Water Conservancy District Northern Water CoBank CWCB Colorado Bar Association Poudre Heritage Alliance (National Park Service)

Water Project Overview:

The goal of the Water Legacy project is to interview key Colorado water professionals (who have retired or are close to retirement) to learn about their lives and careers, capturing stories, insights, and information that may not be recorded or documented anywhere else. Partners are the PHA and the Colorado State University Water Resources Archive.

Funding will be used to pay a videographer and interviewer who will be doing the bulk of the work on this project; it will not fund the administrative side. Once the interviews are conducted, the video and full transcript will be posted online at the Water Resources Archive, openly accessible for all to view, learn from, and repurpose. Some of the interviews will be selected to distill into 3-5 minute educational videos for students and the public hosted in the PHA's online video library.

The interviewees will come from basins across the state as well as from a variety of professional disciplines. This will ensure a diversity of historically important information about Colorado water law, policy, management, projects, systems, events, and organizations. It will be of wide interest to people across the state, engaging and educating them as well as providing advice for the future.

Project Objectives:

Objective 1. Design a strategic approach to capture water oral histories that can be replicated with multiple interviewees.

Objective 2. Record oral histories from key individuals

Objective 3. Develop educational videos for students/general public

Objective 4. Develop marketing and communications strategy to raise awareness of the resources and enable knowledge sharing through open access to information.

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Tasks
Task 1 – Strategic Approach & Protocols for Oral Histories
Description of Task:
<p>The purpose of this task is to develop protocols and tools that can be used to collect, edit, review, publish, and share data collected by interviewers and develop cloud-based project management system.</p>
Method/Procedure:
<p>PHA and CSU will lead and manage consultants in the development of the process used to capture and record water histories.</p> <p>We are using Trello, a project management software, to successfully track individual interviewees in their process:</p> <ul style="list-style-type: none"> • Pre-Invitation/Invitation • Pre-Interview • To Be Scheduled • To Be Recorded • To Be Edited • Completed/Delivered
Deliverables:
<ul style="list-style-type: none"> a. Establish Google Drive document storage for team. b. Establish Trello Cloud-based project management process for scheduling and managing. c. Create list of potential interviewees for project d. Standardized invitations, forms and documentation for each interview: <ul style="list-style-type: none"> • Pre-Invitation/Invitation • Agreement Letter • Pre-Interview • Interview Questions • Cloud-Based Project Management: <ul style="list-style-type: none"> ○ To Be Scheduled ○ To Be Recorded ○ To Be Edited ○ Completed/Delivered

Last Updated: November 2018

Tasks	
Task 2 – Record Oral Histories	
Description of Task:	
<p>Based upon funding, donor preference, interviewee availability, and our goal to record interviews that represent all basins and a variety of disciplines, the 1.5-2.0 hour video interviews are recorded.</p> <p>Once the recordings are edited, they are posted online and available to the public.</p>	
Method/Procedure:	
<p>PHA and CSU-WRA establish list of potential interviewees that represent key industry leaders from Colorado's Water Basins, and variety of disciplines within the water industry.</p> <p>PHA and CSU-WRA, with input from consultants, develop a standardized series of questions for video oral history recordings.</p> <p>Justin Bregar from JERBCO, LLC is the consulting producer. Sam Ebersole is the consulting oral historian.</p> <p>Sample interview questions include:</p> <ul style="list-style-type: none"> • What do you feel was your biggest accomplishment? Why? • What do you feel was your biggest failure? What did you learn from it? • What sort of opposition did you encounter in your work? • What significant weather events affected your work? (flood, drought, hail, blizzard) • What state or federal legislation had a big effect on your career? • What big changes over the course of your career affected how you did your job? [i.e., technology, attitudes, etc.] • What advice do you have for present and future generations of Colorado water professionals? <p>Customized questions are also used to elicit information and stories about a person's career and experiences.</p>	
Deliverable:	
<p>Goal is to complete 18 recorded video histories by end of 2020.</p>	

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Tasks	
Task 3 – Develop Educational Videos	
Description of Task:	
<p>The Poudre Heritage Alliance hosts an online video library that shares stories of people and events that shaped the Cache la Poudre River National Heritage Area (CALA). CALA was established by Congress for the role it played in influencing water development, water law, and water management, particularly in the western states. So, our Water Legacy video series aims to create 3-5 minute educational videos that help students and the general public to understand the history, complexities, and individual responsibilities related to our most precious resource - water.</p>	
Method/Procedure:	
<p>Upon completion of a recorded 1.5-2.0 hour interview, we collaborate with our production consultants on editing content down to a 3-5 minute educational video. As possible, content will relate to the Poudre River and its corridor. Production consultants make use of B-roll footage, additional live footage (if necessary), graphics, music and narration to enhance or help convey the story.</p>	
Deliverable:	
<p>Goal is to complete 8 educational videos by end of 2020.</p>	



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Tasks
Task 4 – Develop Marketing and Communications Strategy
Description of Task:
Once the recordings are completed, we want to make it known that these resources are available to statewide audiences through a variety of channels.
Method/Procedure:
<p>Upon completion, each recording will be added to the online collections of PHA and CSU Water Resources Archive.</p> <p>CSU Water Resources Archive, Water Oral Histories Collection - https://mountainscholar.org/handle/10217/172792</p> <p>PHA Video Library - https://www.poudreheritage.org/videos/</p> <p>Additionally, the PHA and CSU Water Resources Archive communications teams will develop a strategy to promote the resources to different target audiences such as: media, historians, partners, educators, water agencies, etc.</p> <p>Marketing channels might include: press releases, social media, partner newsletters, conferences, etc.</p>
Deliverable:
Communications Strategy developed by fall 2019.

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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

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

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Performance Measures

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

Prepared Date: 07/15/19

Name of Applicant: Poudre Heritage Alliance and CSU Water Resources Archive

Name of Water Project: Water Legacy: Documenting Knowledge for Future Generations

Project Start Date: 08/01/19

Project End Date: 09/01/20

Task No.	Task Description	Start Date	End Date	Grant Funding Request	Match Funding	Total
1	Strategic Approach & Process Development for Oral Histories			\$1,000	\$1,000	\$2,000
2	Record Oral Histories			\$21,500		
3	Educational Videos			\$6,500		\$6,500
4	Develop Marketing & Communications Strategy			\$1,000	\$3,000	\$4,000
						\$0
Total				\$30,000	\$4,000	\$34,000

Page 1 of 1

Notes: Budget reflects project total of 18 recorded oral histories with water leaders for the water archives, of which 8 will additionally be made into short online educational videos.

Task 1 & Task 4 match funding is in-kind labor provided by PHA and CSU-WRA

Travel costs vary based on location(s) of interviewees.

August 8, 2019

Ben Wade
Colorado Water Conservation Board
1313 Sherman St.
Denver, CO 80203

Dear Mr. Wade,

We are writing on behalf of the Metro Platte Basin Roundtable in support of the Poudre Heritage Alliance and CSU Water Resources Archive proposed *Water Legacy: Documenting Knowledge for Future Generations*.

Given the increasing pressures and many types of demands on our freshwater resources, it is critical that we make informed and smart choices about the ways we use and reuse our water. As one of Colorado's eight major watersheds, we have a vested interest in the health and welfare of our human and natural environment.

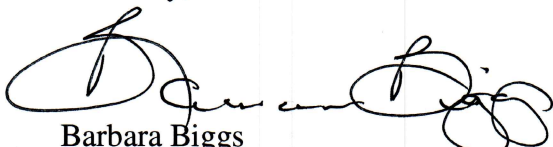
Over the last decade Colorado has faced substantial and increasingly complex water related challenges. The sources of these challenges range from competing water needs, to differing regional outlooks about water management based on the state's geography and demographics. Taken together these and other issues drive an imperative that we incorporate local knowledge from each river basin and work cooperatively on a statewide basis.

This Water Legacy project comes at an important juncture for water planning on a statewide level. Through interviews with key Colorado water professionals (who have retired or are close to retirement) we can learn about their lives and careers - capturing stories, insights, and information that may not be recorded or documented anywhere else.

We recognize that water quantity and quality issues in the state are integrally linked. And, information captured and shared from these experts can spark cooperative dialogue and action within and amongst the Basins; and help communities and residents make better informed decisions related to water usage and management.

We strongly support the distribution of CWCB funding for the proposed Water Legacy: Documenting Knowledge for Future Generations project. Please feel free to reach out if you have any questions.

Sincerely,



Barbara Biggs
Chairperson

South Platte Basin Roundtable
Garrett Varra, Chair
August 14th, 2019

Ben Wade
Colorado Water Conservation Board
1313 Sherman St.
Denver, CO 80203

Dear Mr. Wade,

I am writing on behalf of the South Platte Basin Roundtable in support of the Poudre Heritage Alliance and CSU Water Resources Archive proposed *Water Legacy: Documenting Knowledge for Future Generations*.

Given the increasing pressures and many types of demands on our freshwater resources, it is critical that we make informed and smart choices about the ways we use and reuse our water. As one of Colorado's eight major watersheds, we have a vested interest in the health and welfare of our human and natural environment.

Over the last decade Colorado has faced substantial and increasingly complex water related challenges. The sources of these challenges range from competing water needs, to differing regional outlooks about water management based on the state's geography and demographics. Taken together these and other issues drive an imperative that we incorporate local knowledge from each river basin and work cooperatively on a statewide basis.

This Water Legacy project comes at an important juncture for water planning on a statewide level. Through interviews with key Colorado water professionals (who have retired or are close to retirement) we can learn about their lives and careers - capturing stories, insights, and information that may not be recorded or documented anywhere else.

We recognize that water quantity and quality issues in the state are integrally linked. And, information captured and shared from these experts can spark cooperative dialogue and action within and amongst the Basins; and help communities and residents make better informed decisions related to water usage and management.

We strongly support the distribution of CWCB funding for the proposed Water Legacy: Documenting Knowledge for Future Generations project. Support for this project was unanimous among the South Platte Roundtable members. Please feel free to reach out if you have any questions.

Sincerely,



Garrett Varra