Last Updated: November 2018

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

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

Water Project Summary

Name of Applicant	Huerfano County Water Conservancy District
Name of Water Project	Collaborative Storage 30 percent Design

CWP Grant Request Amount	$16,786
Other Funding Sources Local cash contributions	$12,000
Other Funding Sources _____	$
Other Funding Sources _____	$
Applicant Funding Contribution	$4,785
Total Project Cost	$33,571

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Applicant & Grantee Information
Name of Grantee(s): Huerfano County Water Conservancy District
Mailing Address: PO Box 442, La Veta, CO 81055
FEIN 84-0935026
Organization Contact: Scott King
Position/Title: President
Email: slking@centurylink.net
Phone: 719-742-3124
Grant Management Contact: Carol Dunn
Position/Title: Administrator
Email: hcwcdistrict@gmail.com
Phone: 719-742-3597
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).
The Huerfano County Water Conservancy District (HCWCD or District), formed by court decree in 1971, responds to local and regional needs by protecting and stabilizing the County's water resources, including the Huerfano and Cucharas Rivers, tributary streams and groundwater. The District participates in the Cucharas Basin Storage Collaborative, including federal, state and local agencies and water users. The purpose of the Collaborative is to identify the most effective manner of meeting storage needs within the basin, including the construction of new storage or the rehabilitation/enlargement of storage structures.

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

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

Category of Water Project (check the primary category that applies and include relevant tasks)		
X	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.. *Applicable Exhibit A Task(s):*	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. *Applicable Exhibit A Task(s):*	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. *Applicable Exhibit A Task(s):*	
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. *Applicable Exhibit A Task(s):*	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. *Applicable Exhibit A Task(s):*	
	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	Huerfano	
Latitude	37.4699	37.6682
Longitude	-105.0297	-104.6787

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 Cucharas Basin Storage Collaborative is made up of major water users on the Cucharas River (Water District 16), with the purpose of identifying and constructing cost-effective water storage to meet the water users' storage needs. Previous work has been completed with WSRF to quantify storage needs and identify the three most feasible storage sites: Bruce Canyon dam (new 1,406 ac-ft reservoir), South Baker Creek reservoir (new 122 ac-ft reservoir), and a 642 ac-ft enlargement of the existing Maria Stevens Reservoir.

For this project phase, 30% design will be completed for Bruce Canyon dam and the enlargement of the existing Maria Stevens Reservoir. The 30% design will consist of the development of a plan set to a level of sufficient detail to evaluate major design features prior to advancing to the final geotechnical investigation and final design phase. The work will include presentation of 30% drawings to the State Engineer's Office, Dam Safety Branch, regarding compliance with its Rules and Regulations for Dam Safety and Dam Construction. This coordination will help the Collaborative prioritize design(s) that will be supported by the State and identify any additional data needs prior to proceeding to the final geotechnical investigation and final design phase.

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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:		
2,170	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	
5,300	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification

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

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

- Key measurable objective of "attaining 400,000 ac-ft of water storage to manage and share conserved water and the yield of IPPs by 2050." Section 10.2 (Measurable Objectives and Adaptive Management), p. 10-6. This project will increase capacity of existing reservoirs while addressing the needs of multiple project partners within the Cucharas River basin. New storage of 2,170 ac-ft would be created under this project (1,528 ac-ft of storage at two new reservoirs, plus 642 ac-ft of storage in an enlargement of an existing reservoir).
- Storage is a critical goal identified in Section 10.3 (Critical Goals and Actions), p. 10-11. This project develops new storage and also increases storage at existing dams (to minimize environmental impacts and associated permitting hurdles). The storage that will be generated will provide opportunities for multiple entities within the Cucharas Basin Storage Collaborative, including storage for agriculture of 11,000 acres of irrigable land, municipal and industrial use for a basin population of approximately 5,300 people, and non-consumptive needs including fishing and non-motorized boating.

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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.

1. Cucharas Basin Collaborative Storage Study, June 2017, Parsons Water and Applegate Group, Inc. This study describes the modeling used to determine storage needs in the Cucharas Basin and reconnaissance level study and screening of potential storage sites. Final recommendations were to complete a reconnaissance level geotechnical investigation of five potential/enlargement storage projects.
2. Geotechnical Evaluation, Cucharas Basin Collaborative Storage, Huerfano County, October 30, 2018, Cesare, Inc. This study describes the reconnaissance level geotechnical investigation results for the five sites recommended in the June 2017 Cucharas Basin Collaborative Storage Study. This study included field investigations, site-specific geotechnical drilling, and laboratory analyses.

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.

1. WSRF 2015 grant. Grant recipient: Huerfano County Water Conservancy District. Water activity name: Cucharas Basin Collaborative Storage Study. Approving RT: Arkansas. CWCB board meeting date: September 2015. Contract #: CTGG1 2016-1053. Funding sources: $195,000 Statewide account; $25,000 Basin account; $30,000 local match (14%).
2. WSRF 2018 grant. Grant recipient: Huerfano County Water Conservancy District. Water activity name: Cucharas Collaborative Storage Study Geotechnical Investigation. Approving RT: Arkansas. CWCB board meeting date: March 2018. Contract #: POGG1,PDAA,201800000917. Funding sources: $84,797 Statewide account; $8,480 Basin account; $40,262.45 local match (32%).

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.

There are no relevant TABOR issues affecting the applicant.

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

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

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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)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
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?

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Overview (answer for both tracks)
Describe how you plan to measure and evaluate the success and impact of the project?
What research, evidence, and data support your project?
Describe potential short- and long-term challenges with this project.

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

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

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

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Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	**January 30, 2019**
Name of Grantee:	**Huerfano County Water Conservancy District (HCWCD)**
Name of Water Project:	**Collaborative Storage 30 Percent Design**
Funding Source:	**Water Plan Grant Fund**

Water Project Overview:

The goal of this project will be to complete 30 percent engineering design for two of the final three sites being considered for final design by the Cucharas Basin Storage Collaborative, and to get input from the Dam Safety Branch of the State Engineer's Office regarding the 30 percent design. Three sites were selected for 30 percent design based on the results of the previous phase of the study (Cucharas Collaborative Storage Study Geotechnical Investigation) completed in December 2018 – see the following link for the executive summary. https://applegategroup.sharefile.com/d-sc6fc1751c594aaf9. The HCWCD is separately seeking WSRF funding for the 30 percent design on one of the sites: South Baker Creek. This Water Plan Grant Statement of Work is for 30 percent design for the other two final sites: Bruce Canyon dam, and enlargement of Maria-Stevens Reservoir.

The initial design (i.e., 30 percent) will include completion of conceptual level design engineering and 30 percent design drawings. The design drawings will be reviewed by the Dam Safety Branch of the State Engineer's Office, and we will hold a meeting with Dam Safety to receive their feedback. Feedback received from Dam Safety will be incorporated into final recommendations of this phase of the project, which can be used by the HCWCD to scope final design and final geotechnical investigation for the two storage projects.

Project Objectives:

The primary objectives of the project are to determine final feasibility of constructing or enlarging storage for the Bruce Canyon and Maria Stevens enlargement projects, complete 30 percent design, and to initiate design discussions with the Dam Safety Branch of the State Engineer's Office. Final recommendations will be made regarding final design and geotechnical investigation for the storage sites, which will be completed in a subsequent project phase.

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Tasks
Task 1 – Bruce Canyon Dam
Description of Task:
The feasibility level engineering completed for Bruce Canyon dam in June 2017 will be modified to complete approximately 30 percent design level suitable for review and discussion with the Dam Safety Branch of the State Engineer's Office. Modifications will be based on site-specific geotechnical data collected in 2018 and summarized in the October 2018 geotechnical report (Geotechnical Evaluation, Cucharas Basin Collaborative Storage, Huerfano County, October 30, 2018, Cesare, Inc.) This step will be critical in bringing the local Dam Safety engineer into the initial design, and avoid major revisions to the design at later stages. The site-specific conceptual engineering design shall include the following sub-tasks. o Complete 30 percent design drawings identifying primary components of an embankment dam according to the geotechnical recommendations in the October 2018 geotechnical report. Dam type will likely be a zoned earthen embankment with clay cutoff to bedrock. o Provide excavation plan detailing the method and level of removal needed for embankment construction. o Meet with the Dam Safety engineer for input on 30 percent design, and make necessary modifications to address Dam Safety engineer input. o Provide Engineer's Opinion of Probable Cost (EOPC) based on revised 30 percent design plans.
Method/Procedure:
Standard engineering practices will be utilized when completing 30 percent design, and the design approach will be based on the geotechnical data and recommendations. Design will be completed according to the Rules and Regulations for Dam Safety and Dam Construction, promulgated by the Colorado Division of Water Resources, with January 1, 2007 effective date.
Deliverable:

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Tasks
Final deliverables to the HCWCD will be 30 percent design drawings, including revisions based on input from the Dam Safety Branch of the State Engineer's Office. Additionally, an Engineer's Opinion of Probable Cost (EOPC) will be provided based on the 30 percent design drawings. HCWCD will provide CWCB a copy of the 30 percent drawings and the EOPC.

Tasks
Task 2 – Maria Stevens Dam Enlargement
Description of Task:
The feasibility level engineering completed for the Maria Stevens Dam enlargement in June 2017 will be modified to complete approximately 30 percent design level suitable for review and discussion with the Dam Safety Branch of the State Engineer's Office. Modifications will be based on site-specific geotechnical data collected in 2018 and summarized in the October 2018 geotechnical report (Geotechnical Evaluation, Cucharas Basin Collaborative Storage, Huerfano County, October 30, 2018, Cesare, Inc.) This step will be critical in bringing the local Dam Safety engineer into the initial design, and avoid major revisions to the design at later stages. The site-specific conceptual engineering design shall include the following sub-tasks. ○ Complete 30 percent design drawings identifying primary components of an embankment dam at the south, west, and north end of the lake, and an outlet to the Cucharas River from the south embankment. Selection of either zoned or homogeneous embankment will be based on additional geotechnical data collected as described above. ○ Provide excavation plan detailing the method and level of removal needed for the existing embankments. ○ Meet with the Dam Safety engineer for input on 30 percent design, and make necessary modifications to address Dam Safety engineer input. ○ Provide Engineer's Opinion of Probable Cost (EOPC) based on revised 30 percent design plans.
Method/Procedure:

Last Updated: November 2018

Tasks
Standard engineering practices will be utilized when completing 30 percent design, and the design approach will be based on the geotechnical data and recommendations. Design will be completed according to the Rules and Regulations for Dam Safety and Dam Construction, promulgated by the Colorado Division of Water Resources, with January 1, 2007 effective date.
Deliverable:
Final deliverables to the HCWCD will be 30 percent design drawings, including revisions based on input from the Dam Safety Branch of the State Engineer's Office. Additionally, an Engineer's Opinion of Probable Cost (EOPC) will be provided based on the 30 percent design drawings. HCWCD will provide CWCB a copy of the 30 percent drawings and the EOPC.

Tasks
Task 3 – Administration
Description of Task:
Using a qualified person, ensure the timely accomplishment of contract tasks and the submission of required reports under the grant contract.
Method/Procedure:

Last Updated: November 2018

Tasks
Contract administration will be primarily handled by the regular part-time administrator of the Huerfano County Water Conservancy District, who has successfully administered other CWCB grants and loans for the District. The time requirements of administration for this grant exceed the District administrator's time for which she is now compensated. The amount budgeted for this task will be used to either compensate the administrator for additional time spent on this grant or to employ an assistant to handle other matters, freeing up the administrator's time for the administration of this grant.
Deliverable:
Timely submission of all reports and deliverables required by the grant contract, including six month progress reports and final report.

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.

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Reporting Requirements

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

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

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

Performance Measures

Performance measures for this contract shall include the following:
(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.
(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.
(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: January 9, 2019

Name of Applicant: Huerfano County Water Conservancy District

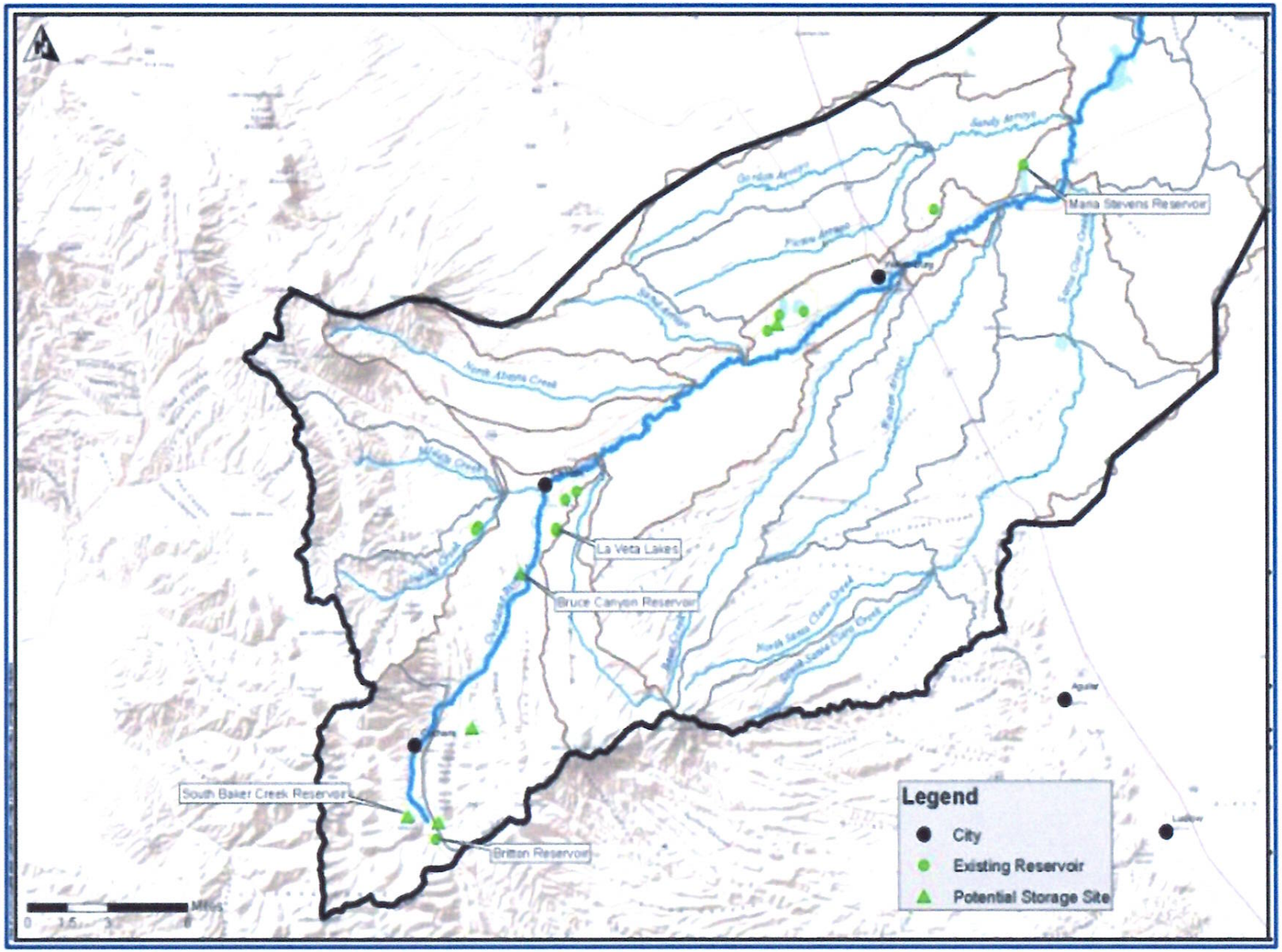
Name of Water Project: Collaborative Storage 30 Percent Design

Project Start Date:

Project End Date:

Task No.	Task Description	Task Start Date	Task End Date	Grant Funding Request	Match Funding	Total
1	Bruce Canyon Dam	6/1/2019	11/30/2019	$ 7,330.00	$ 7,330.00	$14,660
2	Maria Stevens Dam Enlargement	6/1/2019	11/30/2019	$8,656	$8,656	$17,311
3	HCWCD Grant Administration	6/1/2019	11/30/2019	$800	$800	$1,600
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
						$0
			Total	$16,786	$16,786	$33,571

Water Plan Grant, Collaborative Storage 30 Percent Design – Exhibit C Map and Letter of Support



ARKANSAS BASIN ROUNDTABLE

Ms. Anna Mauss
Colorado Water Plan Grants - Water Storage & Supply Projects
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

January 22, 2019

Re: Arkansas Basin Roundtable Letter of Support: Bruce Canyon & Maria Steven Reservoir Design

Dear Ms. Anna Mauss:

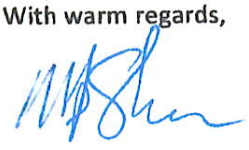
At its January 9, 2019 meeting, the Arkansas Basin Roundtable approved a letter of support for the above referenced project for consideration of funding through the Colorado Water Conservation Board's Colorado Water Plan Grant- Water Storage & Supply Projects.

The Arkansas Basin Roundtable supports the efforts of the Cucharas Basin Storage Collaborative in the development of a 30% design for the Bruce Canyon and Maria Steven Reservoirs. The proposed project will include development of a plan set to a level of sufficient detail to evaluate major design features prior to advancing to the final geotechnical investigation and final design phase. Included will be presentation of 30% drawings to the State Engineer's Office, Dam Safety Branch, on compliance with its Dam Safety and Dam Construction rules and regulations so the Collaborative can prioritize design(s) that will be supported by the State while identifying additional data needs prior to proceeding to the final geotechnical investigation and final design.

The above referenced project meets the objects of the Arkansas Basin Implementation Plan through the development of new storage and meeting the supply-demand gaps.

Should you have any questions or concerns, please feel free to contact me at mshea@csu.org or 719-668-8028.

With warm regards,



Mark Shea
ABRT Chair