



Last Update: July 31, 2018

## Colorado Water Conservation Board

### Water Supply Reserve Fund Grant Application

#### Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

#### Arkansas

Ben Wade  
[ben.wade@state.co.us](mailto:ben.wade@state.co.us)  
303-866-3441 x3238

#### Gunnison | North Platte | South Platte | Yampa/White

Craig Godbout  
[craig.godbout@state.co.us](mailto:craig.godbout@state.co.us)  
303-866-3441 x3210

#### Colorado | Metro | Rio Grande | Southwest

Megan Holcomb  
[megan.holcomb@state.co.us](mailto:megan.holcomb@state.co.us)  
303-866-3441 x3222

#### WSRF Submittal Checklist (Required)

pending	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
✓	I acknowledge I have read and understand the <a href="#">2016 WSRF Criteria and Guidelines</a> .
✓	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> . <sup>(1)</sup>
Application Documents	
✓	Exhibit A: Statement of Work <sup>(2)</sup> ( <i>Word – see Template</i> )
✓	Exhibit B: Budget & Schedule <sup>(2)</sup> ( <i>Excel Spreadsheet – see Template</i> )
✓	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(2)</sup>
✓	Map <sup>(2)</sup>
✓	Photos/Drawings/Reports
	Letters of Support
Contracting Documents <sup>(3)</sup>	
	Detailed/Itemized Budget <sup>(3)</sup> ( <i>Excel Spreadsheet – see Template</i> )
✓	Certificate of Insurance <sup>(4)</sup> ( <i>General, Auto, &amp; Workers' Comp.</i> )
	Certificate of Good Standing <sup>(4)</sup>
✓	W-9 Form <sup>(4)</sup>
	Independent Contractor Form <sup>(4)</sup> ( <i>If applicant is individual, not company/organization</i> )
✓	Electronic Funds Transfer (ETF) Form <sup>(4)</sup>

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting.

Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.



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

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	March
Desired Notice to Proceed Date:	May

Water Activity Summary	
Name of Applicant	Huerfano County Water Conservancy District
Name of Water Activity	50 percent Design of Bruce Canyon Reservoir, a Cucharas Basin Storage Collaborative facility
Approving Roundtable(s)	Basin Account Request(s) <sup>(1)</sup>
Arkansas Basin	\$ 17,643
Basin Account Request Subtotal	\$ 17,643
Statewide Account Request <sup>(1)</sup>	\$ 35,286
Total WSRF Funds Requested (Basin & Statewide)	\$ 52,929
Total Project Costs	\$ 70,572

(1) Please indicate the amount recommended for approval by the Roundtable(s)



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Grantee and Applicant Information	
Name of Grantee(s)	Huerfano County Water Conservancy District
Mailing Address	PO Box 442 La Veta, CO 81055
FEIN	84-0935026
Grantee's Organization Contact <sup>(1)</sup>	Scott King
Position/Title	President
Email	slking@centurylink.net
Phone	719-742-3124
Grant Management Contact <sup>(2)</sup>	Carol Dunn
Position/Title	Administrator
Email	hcwcdistrict@gmail.com
Phone	719-742-5581
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

**(1)** Person with signatory authority

**(2)** Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<p>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 Huerfano County 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 existing storage structures.</p>



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Type of Eligible Entity (check one)	
	<b>Public (Government):</b> 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	<b>Public (Districts):</b> authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	<b>Private Incorporated:</b> mutual ditch companies, homeowners associations, corporations
	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	<b>Non-governmental organizations:</b> broadly, any organization that is not part of the government
	<b>Covered Entity:</b> as defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a>

Type of Water Activity (check one)	
X	Study
	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
X	Nonconsumptive (Recreational)	
X	Agricultural	
X	Municipal/Industrial	
	Needs Assessment	
	Education & Outreach	
X	Other	Explain: The water rights sought for this reservoir and associated exchanges seek the following uses: municipal; irrigation; stock watering; fire protection and suppression; domestic; commercial; industrial; recreation; fish and wildlife preservation and propagation; the support and creation of wetlands.

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Huerfano
Latitude	37.4699
Longitude	-105.0297



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### Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. 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, area of habitat improvements. 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, and Schedule.

Major Cucharas River water users formed the Cucharas Basin Storage Collaborative to identify and construct cost-effective water storage for their needs. With the assistance of WSRF and WPG funding plus local match, the Collaborative has quantified storage needs, conducted a yield analysis with DSS-consistent modeling, evaluated over 50 potential storage sites, and conducted feasibility level design on five preferred sites. In 2017, a water court application for storage and exchange rights was filed (March 2020 trial date).

At the end of 2019, 30% design was completed for three of the preferred sites. Two will be advanced to 50% design: the 642 a.f. enlargement of existing Maria Stevens Reservoir (seeking 2020 WPG funding), and the subject of this application, a new 1,406 a.f. Bruce Canyon Reservoir.

Bruce Canyon Reservoir 50% design project will include: geotechnical analyses typical of 50% designs for small dams in Colorado; hydrologic analysis of the dam site per DWR Dam Safety Rules & Regulations; developing 50% design drawings for Bruce Canyon dam; working with Colorado Dam Safety Branch to address their informal input on dam design; and presentation of 50% design to the Collaborative group.

### Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

1,406	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)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:



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### Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) <sup>(1)</sup>. 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).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

This application is all about storage – 50 percent design of Bruce Canyon Reservoir. Storage has been a major theme in local, regional (Roundtable) and State (Colorado Water Plan) water planning.

Local. In 2013 the Division Engineer recommended that a shortage of storage in the Cucharas River basin could be resolved by collaborative storage projects. Leading up to the formation of the Cucharas Basin Storage Collaborative in 2015, an investigation by HCWCD concluded that, since WWII, the basin had lost 70% of its storage capacity. Further study by the Collaborative demonstrated in 2017 that the storage gap in the Cucharas basin was about 2,000 a.f. for municipal uses and about 15,000 a.f. for agriculture.

Roundtable. In April 2015, the Arkansas Basin Implementation Plan concluded, "Increasing available storage is seen as fundamental to all solutions to the Arkansas Basin's needs." *Executive Summary, p. 9.* Its first priority was, "Increasing available storage." *Sec. 1, p. 5.* Its primary theme was "Increased water storage ... capacity is critical to all solutions." *Sec. 1, p. 6.* Finally, its storage goal was to "Increase surface storage available within the basin by 70,000 acre-feet by the year 2020." *Sec. 1, p. 10.*

Statewide. The Colorado Water Plan (2015) contains similar goals:

- 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.*
- Storage is a critical goal identified in Section 10.3 (Critical Goals and Actions), p. 10-11. It stresses prioritizing grants to support implementation of BIP-identified multipurpose storage projects."

This project, identified in the Arkansas BIP (ARK-2015-007), aims to develop 1406 a.f. of new storage with Bruce Canyon Reservoir. The storage generated will provide opportunities for multiple entities within the Cucharas Basin Storage Collaborative, including storage for agriculture, municipal and industrial use for a basin population of approximately 5,300 people, plus non-consumptive needs including fishing and non-motorized boating.



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(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests	
<b>Basin (only) Account</b> grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 <sup>rd</sup> party and shall be accompanied by a <b>letter of commitment</b> as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Total Match	\$
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
<b>Statewide Account</b> grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3 <sup>rd</sup> party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 <sup>rd</sup> party) and shall be accompanied by a <b>letter of commitment</b> . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Arkansas Basin Roundtable	\$ 17,643 cash
Huerfano County Water Conservancy District	5,143 cash
Huerfano County Commissioners	5,000 cash
Cucharas Sanitation & Water District	2,500 cash
Town of La Veta	5,000 cash
Total Match	\$ 35,286
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	



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### Related Studies

Please provide a list of any related studies, including if the water activity is complimentary 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, November 27, 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. It included field investigations, site-specific geotechnical drilling, and laboratory analyses.
3. Geotechnical Evaluation, Cucharas Basin Collaborative Storage, Huerfano County, November 7, 2019, Cesare, Inc. This study added more detailed geotechnical investigation results for two sites recommended in the June 2017 Cucharas Basin Collaborative Storage Study. It included additional site-specific geotechnical drilling and laboratory analyses.

### Previous CWCB Grants

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

- 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.
- 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.
- WSRF 2019 grant. Grant recipient: Huerfano County Water Conservancy District. Water activity name: Cucharas Collaborative Storage Phase 3. Approving RT: Arkansas. CWCB board meeting date: March 2019. Contract #: POGG1,PDAA, 201900002916.
- WRP 2019 grant. Grant recipient: Huerfano County Water Conservancy District. Water activity name: Collaborative Storage 30 percent Design. Approving RT: Arkansas. CWCB board meeting date: March 2019. Contract #: POGG1,PDAA,202000000010.

### Tax Payer Bill of Rights

The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.





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There are no relevant TABOR issues affecting the applicant.

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
March 11-12, 2020  
Agenda Item 23(b)**

**Applicant & Grantee:** Huerfano County Water Conservancy District

**Water Activity Name:** Bruce Canyon Reservoir 50% Design

**Water Activity Purpose:** Multi-Purpose

**County:** Huerfano

**Drainage Basin:** Arkansas

**Water Source:** Cucharas

**Amount Requested:** \$17,643 Arkansas Basin Account  
\$35,286 Statewide Account  
\$59,929 Total Request

**Matching Funds:** Basin Account Match = \$17,643

- 50% of statewide request (meets 10% min)

Applicant Match & 3rd Parties (cash) = \$17,643

- 50% of the statewide request (meets 10% min)

Total Match (Basin & Applicant) = \$35,286

- 100% of the statewide request (meets 50% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$17,643 from the Arkansas Basin Account and up to \$35,286 from the Statewide Account to help fund the project: Bruce Canyon Reservoir 50% Design.

**Water Activity Summary:** WSRF Funds, if approved will assist Huerfano County Water Conservancy District develop a 50% design development package for Bruce Canyon Reservoir Project which will include: geotechnical analyses typical of 50% designs for small dams in Colorado; hydrologic analysis of the dam site per DWR Dam Safety Rules & Regulations; developing 50% design drawings for Bruce Canyon dam; working with Colorado Dam Safety Branch to address their informal input on dam design; and presentation of 50% design to the Cucharas Basin Storage Collaborative group.

**Discussion:** This effort will assist the Arkansas Basin Roundtable meet the Goals and Measurable Outcomes as described in their Basin Implementation Plan by providing 1,406 acre feet of new storage and will also assist the State of Colorado achieve additional; storage goals as called for in Colorado's Water Plan.

**Issues/Additional Needs:** The applicant shall submit all letters of matching commitment prior to entering into a grant contract with the state, otherwise there are no issues or additional needs.

**Eligibility Requirements:** The application meets requirements of all eligibility components.

**Evaluation Criteria:** Staff has determined this activity satisfies the Evaluation Criteria.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-kind</b>	<b>Total</b>	<b>Status</b>
Huerfano County Water Conservancy District	\$5,143	\$0	\$5,143	Pending
Huerfano County	\$5,000	\$0	\$5,000	Secured
Cucharas Sanitation & Water District	\$2,500	\$0	\$2,500	Secured
Town of La Veta	\$5,000	\$0	\$5,000	Secured
Sub-total	\$17,643	\$0	\$17,643	
WSRF Arkansas Basin Account	\$17,643	\$0	\$17,643	Secured
Sub-total	\$35,286	\$0	\$35,286	
WSRF Statewide Account	\$35,286	n/a	\$35,286	
<b>Total Project Costs</b>	<b>\$70,572</b>	<b>\$0</b>	<b>\$70,572</b>	

**CWCB Project Manager:** Craig Godbout

# Arkansas Basin Roundtable

January 28, 2020

***Via Electronic Mail: [ben.wade@state.co.us](mailto:ben.wade@state.co.us)***

Mr. Ben Wade  
Colorado Water Conservation  
Board 1313 Sherman Street,  
Room 721  
Denver, CO 80203

Re: Water Supply Reserve Fund Grant Application: Huerfano County Water Conservancy District (HCWCD) Bruce Canyon Reservoir 50 Percent Design

Dear Ben:

At its January 8, 2020 meeting, the Arkansas Basin Roundtable (ABRT) approved support of the Huerfano County Water Conservancy District 50 Percent Design of Bruce Canyon Reservoir grant application for \$17,643 in Basin Funds and \$35,286 in Statewide Funds. The applicant is providing \$17,643 in matching funds.

Regarding the Colorado Water Plan, this project directly supports the objective of "attaining 400,000 ac-ft. of water storage to manage and share conserved water and the yield of IPPs by 2050." In addition, this project meets the goals identified in the Arkansas Basin Implementation Plan including: Increasing available storage seen as fundamental to all solutions to the Arkansas Basin's needs.

This work aims to develop 1406 a.f. of new storage with Bruce Canyon Reservoir. The storage generated will provide opportunities for multiple entities within the Cucharas Basin Storage Collaborative, including storage for agriculture, municipal and industrial use for a basin population of approximately 5,300 people, plus non-consumptive needs including fishing and non-motorized boating. The ABRT approved supporting this application by consensus and there were no dissenting views.

Should you have any questions or concerns, please feel free to contact me either by telephone, 719-668- 8028, or by email, [mshea@csu.org](mailto:mshea@csu.org).

  
Mark Shea  
Chair

Copy via email: Applicant; Abby Ortega, Needs Assessment Chair