



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
303-866-3441 x3238

Gunnison | North Platte | South Platte | Yampa/White

Craig Godbout
craig.godbout@state.co.us
303-866-3441 x3210

Colorado | Metro | Rio Grande | Southwest

Megan Holcomb
megan.holcomb@state.co.us
303-866-3441 x3222

WSRF Submittal Checklist (Required)

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

(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.

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

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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 2020
Desired Notice to Proceed Date:	June 2020

Water Activity Summary	
Name of Applicant	St. Charles Mesa Water District
Name of Water Activity	St. Charles Mesa Cottonwood Irrigation Ditch #2 Headgate/Augmentation Station Project
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾
Arkansas Basin Roundtable	\$10,040.00
Basin Account Request Subtotal	\$10,040.00
Statewide Account Request ⁽¹⁾	\$100,400.00
Total WSRF Funds Requested (Basin & Statewide)	\$110,400.00
Total Project Costs	\$184,000.00

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



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Grantee and Applicant Information	
Name of Grantee(s)	St. Charles Mesa Water District
Mailing Address	1397 S. Aspen Rd, Pueblo, CO. 81006
FEIN	84-0530580
Grantee's Organization Contact ⁽¹⁾	David Simpson
Position/Title	District Manager
Email	David.simpson@scmwd-pueblo.org
Phone	719-542-4380
Grant Management Contact ⁽²⁾	Gracy Goodwin
Position/Title	Projects Manager
Email	projects@uawcd.com
Phone	719-539-5425
Name of Applicant (if different than grantee)	Upper Arkansas Water Conservancy District
Mailing Address	PO Box 1090 Salida, CO 81201
Position/Title	Ralph "Terry" Scanga – Manager
Email	manager@uawcd.com
Phone	719-539-5425

(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 St. Charles Mesa Water District is a quasi-municipal corporation and a political subdivision of the State created pursuant to the Special District Act for the purpose of providing a complete domestic water system for the District and its inhabitants. The District was formed in 1988 pursuant to an order and decree entered by the District Court in and for Pueblo County. The District currently encompasses approximately 64 square miles located in east-central Pueblo County, adjacent to the eastern boundary of the City, and it serves a population of approximately 10,978 people.</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.
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: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
	Agricultural	
X	Municipal/Industrial	
	Needs Assessment	
	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Chaffee County
Latitude	38.8324
Longitude	-106.1715

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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.

The WSRF funds would be used for the Cottonwood Irrigating Ditch #2 (CID2) Diversion headgate and Parshall flume repair/replacement, along with the addition of a new telemetry station. Erosion has occurred around the headgate diversion structure on Cottonwood Creek causing it to move and lift during the winter months and resulting in St. Charles Mesa Water District not being able to receive their full decreed diversion during certain months of the year. These infrastructure repairs will allow for more efficient water delivery of their full decreed 3.8 cfs through the flume. The CID2 water right accounts for nearly 50% of their municipal water supply.

Details of the infrastructure project include re-establishing the headgate in Cottonwood Creek, which requires the setting of a precast headwall and installation of a new gate. To help stabilize and prevent dislodging of the headgate, onsite riprap will be grouted. Replacement of the Parshall flume is necessary, along with installation of a mass concrete foundation to stabilize against movement.

To effectively measure and quantify diversions being ushered to the Bessemer Ditch for use in the St. Charles Mesa water treatment facility, a remote telemetry station will be installed. This final element of the proposed water activity will help maintain the diversion and account for available beneficial uses on Cottonwood Creek. In an effort of efficiency savings UAWCD will also utilize the telemetry station to measure UAWCD's Cottonwood Irrigating Ditch water for augmentation of structures on Cottonwood Creek and will not have to build their own augmentation station in a similar area on that reach. The collaboration of UAWCD with SCMWD will increase the beneficial uses of water on Cottonwood Creek through the utilization of the water districts augmentation plan.

Measurable Results

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

	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)	
- Eliminate \$3000 yearly repair cost for St. Charles Mesa. - \$50k installation and \$3k annual maintenance savings in UAWCD being able to use this augmentation station and not having to build their own in a similar area of that reach.	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
200ft of ditch diversion	Length of Pipe/Canal Built or Improved	
X	Other	Explain: Infrastructure Upgrade and Improvement

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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](#) ⁽¹⁾. 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](#)).

The essential infrastructure replacement for the St Charles Mesa Water District Headgate and augmentation station supports the goals of the Colorado Water Plan and Arkansas Basin Implementation Plan in multiple ways.

The Colorado Water Plan defines what Colorado's main water values are, one of which is having an "efficient and effective water infrastructure." (CWP1-6) Currently, the CID2 diversion cannot be properly used, leading to water loss in the system. Headgate/ flume and telemetry infrastructure will create more efficient water delivery and measurement. Also, as stated in the Arkansas BIP, improved data collection is another major outcome of local and regional water conservation efforts. (ABIP p183)

According to the BIP process one of the statewide long-term goals to meet M&I water needs is to "use water efficiently to reduce overall future water needs." (CWP 6-18) Currently the CID2 diversion is not efficiently able to divert the full water right that is allowed for the St Charles Mesa Water District's operations. The new infrastructure upgrade of the headgate and Parshall flume will allow for SCMWD to be able to divert all their decreed water when needed without any waste. These repairs will increase efficiency of the diversion to maximize the use of an existing water resource.

Another one of the goals outlined in the CWP is "establishing a plan with stakeholders and water managers statewide to finance the daunting cost of water infrastructure projects (municipal, industrial, and environmental)." (CWP 1-4) The Basin and State funding available through this WSRF grant, with matching funds from entities like UAWCD and SCMWD, make infrastructure improvement projects possible. This goes hand in hand with the objective to "support regional infrastructure development for cost-effective solutions to local water supply gaps." (CWP, Section 6.2 p. 6-21)

This water activity also meets the WSRF Criteria in the following areas:

Commitment to Collaboration:

- UAWCD is working in collaboration with SCMWD to increase the beneficial use of water on Cottonwood Creek through the water districts augmentation plan.

Demonstrate Sustainability:

- Maximize the use of water resources by improving and modernizing aging infrastructure.

Establishing fiscal and technical feasibility:

- Leveraging a state grant with matching contributions from UAWCD and SCMWD.

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



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Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** 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

Statewide Account 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 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3rd party) and shall be accompanied by a **letter of commitment**. Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind):
Basin Account	\$10,040.00 (Cash)
Upper Arkansas Water Conservancy District	\$10,000.00 (In-Kind)
St. Charles Mesa Water District	\$63,560.00 (Cash)
Total Match	\$83,6000.00
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.

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

April 2017- June 2020 - Groundwater and Surface Water Interactions and Potential for Underground Storage in the Arkansas River Basin

Applicant- Upper Arkansas Water Conservancy District
Approving RT- Arkansas Basin Roundtable
WSRF Grant – CTGG1 2017-1733

Sept 2016- Feb 2019 - Lake Ranch Multi-Use Pilot Project Feasibility Study- Alluvial Aquifer Storage

Applicant- Upper Arkansas Water Conservancy District
Approving RT- Arkansas Basin Roundtable
CTGG1 2017-112

Sept 2017- Dec 2019 -Long-Term Potable Water Supply to the Zinno Subdivision

Applicant- St. Charles Mesa Water District
Approving RT- Arkansas Basin Roundtable
POGG1 2018-370

2011, 2012, 2013 – Water Conservation Implementation Grant

Applicant- St. Charles Mesa Water District
Approving RT- Arkansas Basin Roundtable

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 the applicant.

Funding will not trigger any TABOR limitations

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

Applicant & Grantee: St Charles Mesa Water District

Water Activity Name: St. Charles Mesa Cottonwood Irrigation Ditch #2
Headgate/Augmentation Station Project

Water Activity Purpose: Municipal/Industrial - Implementation

County: Huerfano

Drainage Basin: Arkansas

Water Source: Cucharas

Amount Requested: \$10,040 Arkansas Basin Account
\$100,400 Statewide Account
\$110,440 Total Request

Matching Funds: Basin Account Match = \$10,040

- 10% of statewide request (meets 10% min)
- Applicant & 3rd Parties Match (cash) = \$73,560
- 73% of the statewide request (meets 10% min)
- Total Match (Basin & Applicant) = \$83,560
- 83% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$10,040 from the Arkansas Basin Account and up to \$100,400 from the Statewide Account to help fund the project: St. Charles Mesa Cottonwood Irrigation Ditch #2 Headgate/Augmentation Station Project.

Water Activity Summary: WSRF Funds, if approved will assist the St Charles Mesa Water District repair and replace Cottonwood Irrigating Ditch #2 (CID2) Diversion headgate and Parshall flume. Details of the infrastructure project include re-establishing the headgate in Cottonwood Creek, which requires the setting of a precast headwall and installation of a new gate. To help stabilize and prevent dislodging of the headgate, onsite riprap will be grouted. Replacement of the Parshall flume is necessary, along with installation of a mass concrete foundation to stabilize against movement. Erosion has occurred around the headgate diversion structure on Cottonwood Creek causing it to move and lift during the winter months and resulting in St. Charles Mesa Water District not being able to receive their full decreed diversion during certain months of the year. These infrastructure repairs will allow for more efficient water delivery of their full decreed 3.8 cfs through the flume. The CID2 water right accounts for nearly 50% of their municipal water supply.

Discussion: This effort will assist the Arkansas Basin Roundtable meet the Goals and Measurable Outcomes as described in their Basin Implementation Plan by helping meet the need to “use water efficiently to reduce overall future water needs”, while also assisting Colorado’s Water Plan value of having an “efficient and effective water infrastructure.”

Issues/Additional Needs: None

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

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

Funding Sources/Match	Cash	In-kind	Total	Status
St Charles Mesa Water District	\$63,560	\$0	\$63,560	Secured
Upper Arkansas Water Conservancy District	\$10,000	\$0	\$10,000	Secured
Sub-total	\$73,560	\$0	\$73,560	
WSRF Arkansas Basin Account	\$10,040	\$0	\$10,560	Secured
Sub-total	\$83,600	\$0	\$83,600	
WSRF Statewide Account	\$100,400	n/a	\$100,600	
Total Project Costs	\$184,000	\$0	\$184,000	

CWCB Project Manager: Craig Godbout

Arkansas Basin Roundtable

January 28, 2020

Via Electronic Mail: 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: St. Charles Mesa Water District – St. Charles Mesa Cottonwood Irrigation Ditch #2 Headgate / Augmentation Station Project

Dear Ben:

At its January 8, 2020 meeting, the Arkansas Basin Roundtable (ABRT) approved support of the St. Charles Mesa Water District – St. Charles Mesa Cottonwood Irrigation Ditch #2 Headgate / Augmentation Station Project grant application for \$10,000 in Basin Funds and \$100,400 in Statewide Funds.

The applicant is providing \$73,600 in matching funds. This project directly supports the goals of the Colorado Water Plan and Arkansas Basin Implementation Plan to use water efficiently to reduce overall future water needs, and to deal with aging infrastructure.

Funds will be used for the Cottonwood Irrigating Ditch #2 Diversion headgate and Parshall flume repair and replacement, along with the addition of a new telemetry station.

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.



Mark Shea
Chair

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