



Last Update: May 19, 2017

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 for funding was recommended for CWCB approval by the sponsoring Basin Roundtable(s).
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⁾
Exhibit A	
X	Statement of Work ⁽²⁾ (Word – see Exhibit A Template)
X	Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Exhibit A Template)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
Exhibit C	
X	Map ⁽²⁾
X	Photos/Drawings/Reports
X	Letters of Support
	Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.)
Contracting Documents	
NA	Certificate of Good Standing ⁽³⁾
X	W-9 ⁽³⁾
NA	Independent Contractor Form ⁽³⁾ (If applicant is individual, not company/organization)
X	Electronic Funds Transfer (ETF) Form ⁽³⁾

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

(2) Required with application if applicable.

(3) 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:	July 2018
Desired Notice to Proceed Date:	September 2018

Water Activity Summary		
Name of Applicant	Lake County	
Name of Water Activity	Lake County Derry Flume & Hayden Reservoir Project	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Arkansas Basin Roundtable	\$2,400	
Basin Account Request Subtotal	\$2,400 (Approved by Roundtable)	
Statewide Account Request ⁽¹⁾	\$23,905	
Total WSRF Funds Requested (Basin & Statewide)	\$26,305	
Total Project Costs	\$39,455	

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



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Grantee and Applicant Information	
Name of Grantee(s)	Lake County Government
Mailing Address	PO BOX 964, Leadville CO 80461
FEIN	
Grantee's Organization Contact ⁽¹⁾	Sarah Mudge
Position/Title	County Commissioner
Email	smudge@co.lake.co.us
Phone	719-293-0177
Grant Management Contact ⁽²⁾	<u>Sarah Mudge</u>
Position/Title	BOCC
Email	smudge@co.lake.co.us
Phone	719-293-0177
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).
Lake County, population of 7,600, is the location of the headwaters of the Arkansas River Basin. The county is comprised of approximately 78% public lands. Lake County is working to put into effect our water decrees to serve the needs of residents, county priorities, and other identified beneficial uses, outside Parkville Water District. Lake County decrees (98CW173 (consumptive, municipal, augmentation) and 2011CW86 (storage rights)) provides the legal basis for the Lake County Water Enterprise to develop and implement a blanket augmentation plan for the county.



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Type of Eligible Entity (check one)	
X	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: 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)	
X	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/Countries	Lake County
Latitude	Derry:39.06'20.84"N, Hayden:39.09'53.12"N
Longitude	Derry:106.23'43.52"W, Hayden:106.19'25.76"W



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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.

Lake County is pursuing funding for Phases Two and Three of a larger six phased project. Lake County completed Phase One through the adjudication of case 2011CW86 and 98CW173. The measurement structures for the water right needs to be placed, including a two-part flume project of installing a measuring device and constructing a diversion from Corske Creek, high on Mt. Elbert. The USFS will remain a key partner, collaborating to be sure that all efforts are mutually beneficial at the Derry site on USFS land. Completing this task will allow Lake to utilize the direct flow in our Augmentation Plan and our integrated system outlined in our decrees. These local efforts match CO Water Plan objectives such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally so that together entities can collaborate to address watershed health, environment, and recreation sustainability and support.

Phase two will be completing a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike.

Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.

Measurable Results

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

	New Storage Created (acre-feet)	
4CFS (Derry3 water right)	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
51 AF (Hayden Reservoir)	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)	
	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](#) ⁽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](#)).

Lake County has great potential in our linked system of adjudicated strategies and methods. The county must be diligent in collaborating and engaging with our local and basin partners to ensure the best utilization and application of our augmentation plan. In doing so, Lake County mirrors Colorado's "long term goals of meeting municipal, industrial, agricultural, environmental, and recreational needs in a balanced manner". Lake County's project arguably touches on each objective outlined in the CO Water Plan, A-H, also echoed in our Arkansas River Basin Implementation Plan.

Lake County's request supports Colorado Water Plan Values in two significant ways:

1. Colorado's Water Plan values a productive economy that supports vibrant and sustainable cities; viable and productive agriculture, recreation, and tourism industry:

The requested grant will support the development and implementation of a program to provide water resources to parts of the County in support of housing and industry in Lake County. Previously these areas have not had access to a county wide augmentation program which has prevented cost effective development of certain areas where development is preferable.

The development of this water supply aids the County in developing economic activity which in turn supports the recreation and tourism industry, the heart of revenue opportunities and economic diversification of the County.

Not only will increased tools and methods utilized by Lake County benefit our county, but this will strengthen the county's ability to act as a strong partner basin wide.

2. Colorado's Water Plan values efficient and effective water infrastructure:

The development of these facilities for diversion and measurement of water will improve the management of this water supply providing efficiencies and improvements that were not previously available within Lake County's integrated system. With the completion of a survey of Hayden Pond the existing facility will then become a dual use facility providing both recreational opportunities as well as a storage and release facility. Thus providing the efficiencies sought with the project.

Lake County will likely return to the CWCB for future funding as we proceed through our project, specifically with the construction of Birdseye Reservoir. Birdseye Reservoir is a key element in the system that will allow for the expansion of the augmentation service area and increase the county's ability to act as a strong collaborative partner.

(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 3 rd 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 3 rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd 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):
Lake County Board of County Commissioners	\$3,000 cash \$10,150 In-kind
Arkansas Basin Roundtable Basin Funds	\$2,400
Total Match	\$15,550
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.

There is no current involvement through CWCB, however the Lake County Commissioners will be working through CWCB on the remaining three (3) phases for this project which will include a planning grant on Birdseye Reservoir followed by the construction and development of Birdseye Reservoir, all the while incorporating public education and outreach on the augmentation plan as it relates to county development and sustainability for the future. The implementation of these priorities will contribute greatly toward the goal of diversifying economic vitality especially due to the projected closure (2038) of Climax Mine, currently providing 53% of the county's property tax revenue.

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

This is the first application by the Lake County Commissioners, however they work closely with Parkville Water which recently awarded funding through CWCB:

- Evans Reservoir Bypass Flume Project, 2016. Arkansas Basin Roundtable- \$50,000, Statewide- \$250,000. Canterbury Well/Pipeline 2012, DOLA Mineral Impact EIAF #6735 \$500,000.

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.

In November of 2011 Lake County residents passed Referendum 1B, debrucing Lake County from TABOR law and revenue restrictions imposed by the state.

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
September 19, 2018
Agenda Item 12(d)

Applicant & Program Sponsor: Lake County

Water Activity Name: Lake County Derry Flume & Hayden Reservoir Project

Water Activity Purpose: Implementation; Recreational, Municipal/Industrial

County: Lake County

Drainage Basin: Arkansas

Water Source: Corske Creek & Hayden Reservoir

Amount Requested/Source of Funds: \$2,400 Arkansas River Basin Account
\$23,905 Statewide Account
\$26,305

Matching Funds: Basin Account Match (\$2,400) = 10% of Statewide Account request (Meets 10% min);
Applicant's Cash Match (\$3,150) & In-Kind Match (\$10,000) = 50% of Statewide Account request (Meets 25% min.);
Total Match (Basin & Applicant Match of \$15,550 = 65% of Statewide Account request (meets 50% min). (refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:
Staff recommends approval of up to \$2,400 from the Arkansas River Basin Account and \$23,905 from the Statewide account to help fund the project titled: Lake County Derry Flume & Hayden Reservoir Project

Water Activity Summary:

If funded, the applicant will use grant funds to purchase and install a flume and diversion structure on Corske Creek, high on Mt. Elbert. A telemetry station will also be installed for proper management of the water right. The applicant has partnered with the United States Forest Service (USFS), as the diversion structure is on USFS owned land. Completing the flume and diversion installation will allow the county to utilize the direct flow in their Augmentation Plan and their integrated system outlined in their water decrees.

Grant funds will also be used to complete a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike.

Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.

Discussion: This project is consistent with the measurable objects set forth in the Colorado Water Plan, such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally to address watershed health, environment, and recreation sustainability and support.

This project also supports the objectives set forth in the Arkansas River Basin Implementation Plan.

Issues/Additional Needs: None.

Eligibility Requirements: The application meets requirements of all eligibility components: General Eligibility, Entity Eligibility, Water Activity Eligibility, and Eligibility Based on Match Requirements.

Evaluation Criteria: This activity has undergone review and staff has determined it satisfies the Evaluation Criteria outlined in Colorado's Water Plan, Section 9.4. Please refer to Basin Roundtable Chair's Recommendation Letter and the Application for a detailed response.

Funding Summary/Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
Lake County Board of County Commissioners	\$3,150	\$10,000	\$13,150
WSRF Arkansas Basin_Account	\$2,400	n/a	\$2,400
WSRF Statewide Account	\$23,905	n/a	\$23,905
Total Project Costs	\$29,455	\$10,000	\$39,455

CWCB Project Manager: Rachel Pittinger

Arkansas Basin Roundtable

July 25, 2018

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: Lake County Augmentation Plan Implementation Phase 2

Dear Ben:

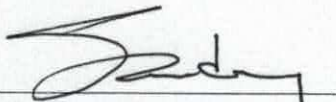
At its July 10, 2018 meeting, the Arkansas Basin Roundtable (ABRT) approved the Lake County Augmentation Plan Implementation Phase 2 grant application for \$2,400 in Basin Funds and \$23,305 in Statewide Funds. The applicant is providing \$13,150 in cash and in-kind contributions. There were no dissenting opinions expressed in the consensus decision.

The project directly supports Colorado Water Plan Objective A. Supply-Demand Gap: Meet Colorado's Water Gaps: Use a grassroots approach to formulate projects and methods that avoid some of the undesirable outcomes of the supply-demand gaps. This project mitigates out of priority depletions for rural water user which impact the Upper Arkansas River. Replacing the depletions is an important step in meeting Colorado's obligations under the Arkansas River Compact. Lake County, as a land use authority, is meeting those obligations through a phased approach to cooperation with other municipal providers in the area.

Supporting cost-effective augmentation of small, domestic depletions in rural areas is a major objective of the Arkansas Basin Implementation Plan. Aggregating these depletions into a comprehensive water augmentation decree implemented by a local public jurisdiction is seen as a very favorable resolution of the many incremental depletions to rivers and streams in small watersheds.

Should you have any questions or concerns, please feel free to contact me either by telephone, 719-742-6164, or by email, sandy@white-jankowski.com.

With warm regards



Michael D. (Sandy) White
Chair

Copy via email:

Applicant
ABRT Executive Committee

Colorado Water Conservation Board
Water Supply Reserve Fund
<u>Exhibit C - MAP</u>

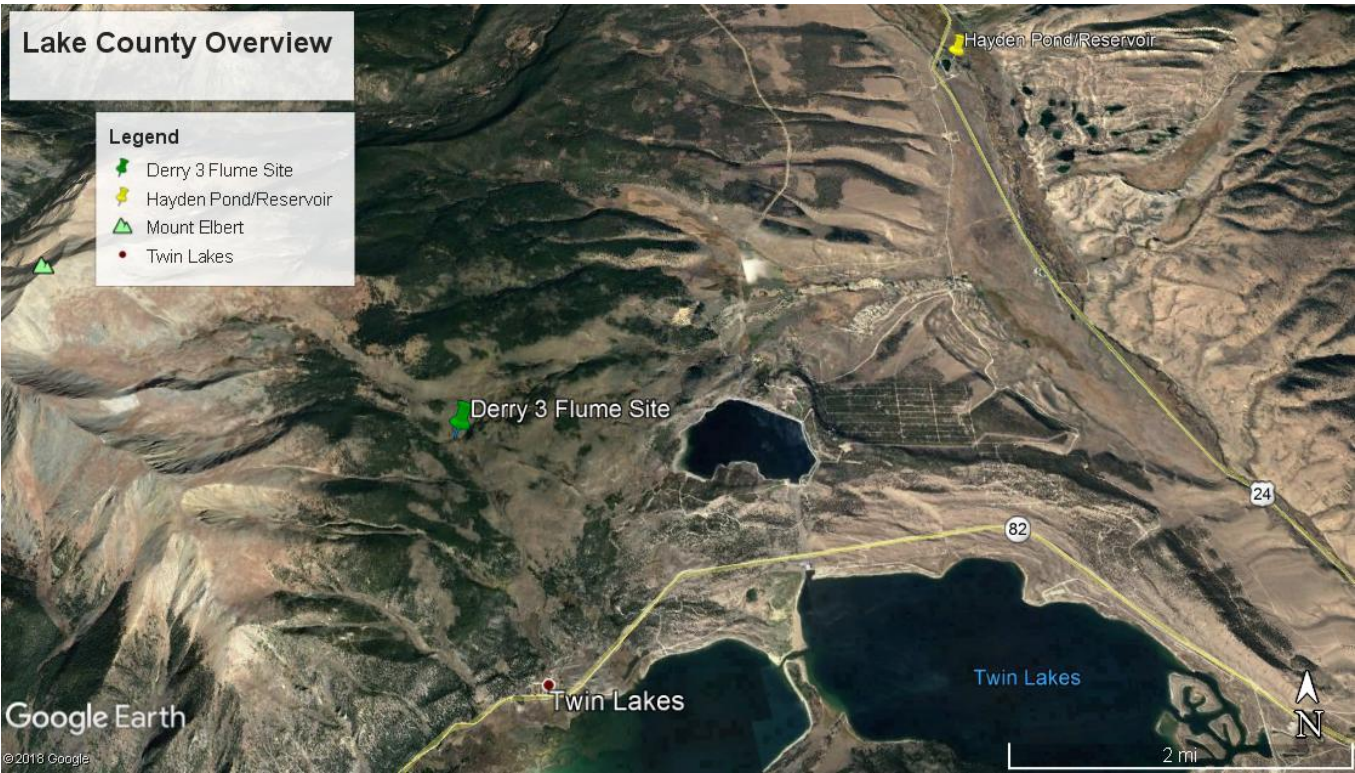


Figure 1: Location of the Flume through Google Earth



Figure 2: Location of the Hayden Reservoir through Google Earth



Figure 3: Location of the Flume on Mt. Elbert



Picture of Diversion Example for Derry 3