



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)

	I acknowledge this request for funding was recommended for CWCB approval by the sponsoring Basin Roundtable(s).
	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Exhibit A	
	Statement of Work ⁽²⁾ (Word – see Exhibit A Template)
	Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Exhibit A Template)
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
Exhibit C	
	Map ⁽²⁾
	Photos/Drawings/Reports
	Letters of Support
	Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.)
Contracting Documents	
	Certificate of Good Standing ⁽³⁾
	W-9 ⁽³⁾
	Independent Contractor Form ⁽³⁾ (If applicant is individual, not company/organization)
	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:	January 2018
Desired Notice to Proceed Date:	March 2018

Water Activity Summary		
Name of Applicant	Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc.	
Name of Water Activity	Olesen Ditch Pipeline Project	
Approving Roundtable(s)		Basin Account Request(s) ⁽¹⁾
Colorado River		\$50,000
Basin Account Request Subtotal		\$ 50,000
Statewide Account Request ⁽¹⁾		\$
Total WSRF Funds Requested (Basin & Statewide)		\$ 50,000
Total Project Costs		\$ 250,000

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



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Grantee and Applicant Information	
Name of Grantee(s)	Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc.
Mailing Address	PO Box 1085, Eagle, CO 81631
FEIN	84-1183786
Grantee's Organization Contact ⁽¹⁾	Wendy S. Sacks
Position/Title	Treasurer
Email	wendyscolorado@gmail.com
Phone	970-471-1787
Grant Management Contact ⁽²⁾	Wendy S. Sacks
Position/Title	Treasurer
Email	wendyscolorado@gmail.com
Phone	970-471-1787
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>Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc. is a rural subdivision located in Eagle County. The once-working ranch was subdivided into 35 acre parcels, a number of which still enjoy agricultural status. There are additional owners of water rights who will benefit from this project and are working with the Highland Meadow Estates HOA. The Ditch has a hired "ditch walker" to manage flows of water to the users of the ditch and to do maintenance work.</p> <p>24 water owners will directly benefit from this project Highland Meadow Estates at Castle Peak Ranch homeowners - there are 20 owners with individual water rights that are administered through the homeowners' association Sorrel Hills Mutual Ditch Company - there are 3 members Ken & Kira Cameron</p> <p>There are an additional 17 owners on Castle Ditches 1 & 2 (located off the Eby Creek drainage) that will benefit indirectly as well. We will be able to send more water back to Eby Creek as we will be needing less water to reach the holding pond for our irrigation system with a piped system.</p>



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Type of Eligible Entity (check one)	
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
x	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)	
x	Agricultural	
	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	Eagle County
Latitude	39 42' 57.57" N
Longitude	106 49' 19.25" 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.

The project is located in Eagle County. The objective of this project is to improve water use efficiency within the delivery system so as not to deplete the reservoir water as quickly thus extending the length of irrigation and forage quality/quantity. An HDPE pipeline will be installed to prevent erosion and losses of water to make possible proper management of irrigation water and to reduce water conveyance and evaporation losses. A buried pipeline will be installed to convey water from the source of Noecker Reservoir in the alignment of the Olesen Ditch to the confluence with Castle Creek Ditch. (see attached plan). This will markedly improve irrigation efficiency and reduce water loss. (see attached stream flow and water loss report).

The deficiencies of the Olesen Ditch are documented as well in the Eagle County Conservation District Irrigation Asset Inventory of the Olesen Ditch. The Roundtable generously funded this program that provided valuable information to the owners of water rights on the ditch.

This will be a multi-beneficial project.

1. There is currently a need for more water to be reliably delivered to the users of Olesen Ditch and more users coming on the system will only put an added strain on the supply. This is a pre-1922 water right that needs to be preserved.
2. This project will benefit 28 users directly and an additional 17 users indirectly.
3. The Eagle County Conservation District, in conjunction with the Irrigation Asset Inventory Study funded by the Colorado Basin Roundtable, has determined that the delivery ditches located in the county are the number one priority that needs attention in the coming years. This project will improve water conservation and efficiency with improved delivery infrastructure.
4. We will be able to send more water to Eby Creek thus providing the users of Castle Ditches 1 & 2 with potentially more water than they can use, allowing the overflow to continue down Eby Creek into the wetland riparian area and ultimately into the Eagle River for improved stream flow.
5. This project will bring more awareness and education to the users of the Olesen Ditch of the importance of water conservation and efficiency. The area used to be a working ranch that used flood irrigation solely. I am happy to say that none of the current users rely on flood irrigation and all have invested time and money to upgrade their systems to guns or wheel lines.
6. This project applied for and was awarded \$109,313 from the NRCS.
7. This project will improve irrigation efficacy by providing a more controllable, predictable and reliable method of water delivery to allow for more quantity and better quality of crops. It will also extend the irrigation season to the area,



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Water Activity Overview

possibly allowing for a second cut. In addition, more water will be left in Noecker Reservoir later in the season to provide a potential water source for wildfire mitigation. (They have dipped out of the reservoir in the past when a lightning strike caused a wildfire adjacent to the reservoir)

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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)	
7660 ft.	Length of Stream Restored or Protected (linear feet)	
70+ acre feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Other	Explain:

Water Activity Justification
<p>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).</p> <p>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).</p>



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Water Activity Justification

This project supports the following applicable themes of the Colorado Basin Implementation Plan.

THEME 2 — AGRICULTURE

SUSTAIN, PROTECT AND PROMOTE AGRICULTURE

THEME 4 — ENCOURAGE A HIGH LEVEL OF BASINWIDE CONSERVATION

THEME 5 — LAND USE

DEVELOP LOCAL WATER CONSCIOUS LAND USE STRATEGIES

The project will increase the amount of available water that is currently lost to seepage and evaporation from this senior water right. This will enable more users to increase the quality and quantity of their hay crop. It will assure dependable basin administration and improve the delivery infrastructure and efficiency for better crop yield. There is also potential to allow more water to remain in the Eby Creek drainage to provide better stream flow.

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

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)
Natural Resources Conservation Service	Cash- \$109,313
TBD	\$115,687



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Matching Requirements: Basin Account Requests	
Total Match (secured)	\$109,313
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 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):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

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.



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Related Studies

Stream Flow Report from Grand River Consulting dated July 26, 2013

Eagle County Conservation District Irrigation Asset Inventory dated September 2016

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

none

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.

none

Water Supply Reserve Fund – Grant and Loan Program
Water Activity Summary Sheet
Jan 21-22, 2018
Agenda Item 23(c)

Applicant & Grantee: Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc.

Water Activity Name: Olesen Ditch Pipeline Project

Water Activity Purpose: Agricultural Implementation

County: Eagle

Drainage Basin: Colorado

Water Source: Eby Creek / Noecker Reservoir

Amount Requested: \$25,000 Colorado Basin Account

Matching Funds: Applicant Match (cash & in-kind) = \$109,313

- 437% of the Basin Account request (meets 25% min)
- 44% of the total project cost of \$250,000

Staff Recommendation:

Staff recommends approval of up to \$25,000 from the Colorado Basin Account to help fund the project titled: Olesen Ditch Pipeline Project.

Water Activity Summary: WSRF grant funds, if approved, will help Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc. improve water use efficiency within the Olesen Ditch delivery system. The primary concern associated with Olesen Ditch is the 1.1 cfs of water loss throughout the open channel. The community has been aware of the problem since 2013 and a stream flow study (July 2013) identified specific areas of significant loss.

Olesen Ditch diverts off of Eby Creek, a tributary to the Eagle River in Eagle County, Colorado. The main Olesen Ditch headgate, used for the initial diversion from Eby Creek, is located on the southeast bank of Noecker Reservoir. The objective of this project is to improve water use efficiency through the installation of an HDPE (high-density polyethylene) pipe to prevent erosion, water loss, and water conveyance evaporation loss. A buried pipeline will be installed to convey water from the source of Noecker Reservoir in the alignment of the Olesen Ditch to the confluence with Castle Creek Ditch (total of 7,660 feet). The project estimates approximately 70 acre-feet/year in efficiency savings to help ensure dependable basin administration and improve the delivery infrastructure and efficiency for better crop yield (hay crop). Highland Meadow Estates at Castle Peak Ranch Homeowners' Association, Inc. is a rural subdivision located in Eagle County; 24 water owners will directly benefit from this project. There are an additional 17 owners on Castle Ditches 1 & 2 (located off the Eby Creek drainage) that will benefit indirectly as well.

Discussion: As described in the Colorado basin roundtable (BRT) chair's recommendation letter, this project was supported unanimously by email balloting and recommended for approval by the roundtable in September 2017. The association's original grant request for \$50,000 was halved by the roundtable to \$25,000 as an economy measure to preserve the Colorado basin WSRF balance. The

project scored 10.25 of a possible 14.25 points on the Colorado BRT scoring matrix which measures how grants address roundtable objectives. This project assists in satisfying Colorado’s Water Plan Critical Goals and Actions as identified in Chapter 10.3, D. Agriculture: Support Agricultural Conservation and Efficiency, as well as Colorado Basin Implementation Plan “sustaining agriculture and improving efficient water use” objectives. It could also be a mechanism for advancing water education in Eagle County. The Colorado BRT previously helped fund the “Eagle County Conservation District Irrigation Asset Inventory of the Olesen Ditch” (Sept 2016) which documents in detail the deficiencies of the Olesen Ditch.

Issues/Additional Needs: Applicant has identified only 54% of funding sources to meet project budget. Staff will work cooperatively with the grantee to ensure enough funding for project success prior to contracting. Staff will assist grantee in developing a project budget and schedule that meets the needs of the applicant and State Controller’s Office.

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 evaluation and staff has determined that it satisfies the Evaluation Criteria. Please refer to Basin Roundtable Chair’s Recommendation Letter and the WSRF Grant Application for applicant’s detailed response.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
Natural Resources Conservation Service	\$109,313	\$0	\$109,313
Undefined	\$115,687	\$0	\$115,687
WSRF Colorado Basin Account	\$25,000	n/a	\$25,000
Totals	\$250,000	\$0	\$250,000

CWCB Project Manager: Megan Holcomb

THE COLORADO BASIN ROUNDTABLE
C/O P.O. BOX 1120
GLENWOOD SPRINGS, COLORADO 81602

Oct. 17, 2017

Colorado Water Conservation Board

WSRF Grants

1313 Sherman Street

Denver CO

(303) 866-3441

megan.holcomb@state.co.us

Dear Staff:

The Colorado Basin Roundtable voted unanimously by email balloting in September 2017 to approve a WSRF Basin Grant of \$25,000 to the Highland Meadow Estates at Castle Peak Ranch Homeowners' Association Inc. in Eagle County to cost share an irrigation efficiency improvement project. Note that the association's grant request was for \$50,000. We halved it to \$25,000 as an economy measure to preserve our WSRF balance.

The objective of this project is to improve water use efficiency within the delivery system so as not to deplete the supply reservoir water as quickly thus extending the length of irrigation and forage quality/quantity. An HDPE pipeline will be installed to prevent erosion and losses of water to make possible proper management of irrigation water and to reduce water conveyance and evaporation losses. A buried pipeline will be installed to convey water from the source of Noecker Reservoir in the alignment of the Olesen Ditch to the confluence with Castle Creek Ditch. This will markedly improve irrigation efficiency and reduce water loss.

The deficiencies of the Olesen Ditch are documented as well in the Eagle County Conservation District Irrigation Asset Inventory of the Olesen Ditch, part of a CBRT funded assessment. The project comports with objectives in our Basin Implementation Plan relating to the sustaining of agriculture and improving efficient water use. It could also be a mechanism for advancing water education.

The project scored 10.25 of a possible 14.25 points on our scoring matrix, which measures how grants address our various Roundtable objectives.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jim Pokrandt", with a long, sweeping horizontal stroke extending to the right.

Jim Pokrandt
Chair, Colorado Basin Roundtable

Attachment: CBRT Grant Matrix Scoring Sheet