



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

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**TO:** Colorado Water Conservation Board Members

**FROM:** Craig Godbout  
Program Manager - Water Supply Reserve Fund Grant Program  
Water Supply Planning Section

**DATE:** May 2, 2019

**AGENDA ITEM:** 26 (a-h): May 2019 WSRF Grant Requests

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**Informational Item:**

**26(a):** The March 2019 Agenda Item 24 (d) was tabled during the March 2019 CWCB meeting due to a Board question regarding the eligibility of a for-profit to receive WSRF Grant Funding. As such, the State of Colorado's Attorney General's Office has advised the CWCB staff that the CWCB has the authority to award WSRF Grants to for-profit entities when the purpose of the grant is consistent with WSRF grant policies, criteria, and guidelines for an eligible water activity consistent with section 37-29-109, C.R.S. Therefore, Agenda Item 24 (d) is presented for the Board's consideration as Agenda Item 26 (b) during the March 2019 CWCB meeting.

**Staff Recommendation - Action Items: WSRF Grant Requests 26 (b-h):**

A summary of staff's recommendation for each WSRF application is provided in the first component of the attached table. If applicable, the table also includes a breakdown of match amounts for applications that include a request for Statewide Account WSRF funds.

Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation.

**Background:**

For this agenda item the Board is provided with a brief overview of applications to the Water Supply Reserve Fund (WSRF). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts;
- Summary spreadsheet displaying current WSRF Balance Summary of Fund Appropriations and Receipts by Fiscal Year, and Fund Distribution by Basin and Statewide Account.



- Water Activity Summary Sheets which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications.

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, which are primarily outlined in the Criteria and Guidelines (C&G).
- 2) Applications are reviewed to verify that the water activity meets the eligibility requirements in Section 39-29-108 (III) C.R.S. (C&G, Part 2) and the threshold criteria, which are based on the requirements of Section 39-29-108 (III) C.R.S., and two sections of the Water for the 21st Century Act (House Bill 1177); Section 37-75-102 and Section 37-75-104(2)(c) (C&G, Part 3). Staff also verifies that the applicant was an eligible entity to receive funding (C&G, Part 2).
- 3) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.

#### **Water Supply Reserve Fund Balance Summary and Project Status Report:**

To provide the Board updates on the status of specific Water Supply Reserve Fund grant applications and projects, staff can provide a status report of the following information upon request:

- List of completed WSRF projects;
- List of WSRF projects in progress; and
- List of WSRF projects in the contracting and procurement process.



**COLORADO WATER CONSERVATION BOARD**  
**Water Supply Reserve Fund - Balance Summary**  
**MAY 2019**

5/1/2019

<b>Fund Appropriation and Receipts</b>				
<b>Fiscal Year</b>	<b>Legislative Appropriation</b>	<b>Funds Received</b>	<b>Statewide Account</b>	<b>Basin Account</b>
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$7,157,724	\$4,580,943	\$2,576,781
2013/2014	\$10,000,000	\$10,091,639	\$6,458,649	\$3,632,990
2014/2015	\$10,000,000	\$10,000,000	\$6,400,000	\$3,600,000
2015/2016	\$10,000,000	\$9,103,590	\$5,826,298	\$3,277,292
2016/2017	\$0	\$0	\$0	\$0
2017/2018	\$10,000,000	\$1,455,776	\$931,697	\$524,079
2017/2018 CF	\$10,000,000	\$7,000,000	\$4,480,000	\$2,520,000
2018/2019 CF	\$0	\$3,544,884	\$2,268,726	\$1,276,158
Interest	N/A	\$2,857,935	\$1,829,078	\$0
Prior Years Interest Adjustment			\$1,028,856	\$0
2014/2015 Interest	N/A	\$ 240,216	\$240,216	\$0
2015/2016 Interest	N/A	\$ 219,458	\$219,458	\$0
2016/2017 Interest	N/A	\$ 223,936	\$223,936	\$0
2017/2018 Interest	N/A	\$ 376,467	\$376,467	\$0
2018/2019 Interest	N/A	\$ 301,026	\$301,026	\$0
<b>TOTAL</b>	<b>\$104,775,000</b>	<b>\$94,347,650</b>	<b>\$62,493,099</b>	<b>\$31,854,551</b>

Note: The WSRF is a Severance Tax "Tier II" program & CF Funding with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1.

In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

*In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.*

*Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.*

<b>Fund Distribution</b>					
<b>Basin</b>	<b>Approved Basin Grants</b>	<b>Total Basin Funds</b>	<b>Basin Account Balance</b>	<b>Approved State Grants</b>	<b>Statewide Account Balance</b>
Arkansas	\$3,362,174	\$3,539,395	\$177,221	\$11,544,935	
Colorado*	\$3,381,979	\$3,539,395	\$157,416	\$6,283,985	
Southwest *	\$3,288,307	\$3,539,395	\$251,088	\$8,161,644	
Gunnison *	\$3,230,157	\$3,539,395	\$309,238	\$6,282,952	
Metro *	\$2,919,531	\$3,539,395	\$619,864	\$7,461,732	
North Platte	\$2,692,266	\$3,539,395	\$847,129	\$842,844	
Rio Grande*	\$3,451,433	\$3,539,395	\$87,962	\$12,209,690	
South Platte *	\$3,076,675	\$3,539,395	\$462,720	\$7,639,612	
Yampa/White	\$2,795,367	\$3,539,395	\$744,028	\$847,969	
<b>TOTAL</b>	<b>\$28,197,889</b>	<b>\$31,854,551</b>	<b>\$3,656,666</b>	<b>\$61,275,363</b>	<b>\$1,217,736</b>
<b>TOTAL APPROVED GRANTS</b>				<b>\$89,473,252</b>	

Note: Only includes grants approved by CWCB

\* Comments reflect adjustments to balances

**Water Supply Reserve Fund Applications for Consideration at the May 2019 CWCB Board Meeting**

<b>Agenda Item</b>	<b>Basin</b>	<b>Applicant/Grantee</b>	<b>Name of Water Activity</b>	<b>Basin(s) Account Request</b>	<b>Statewide Account Requests</b>	<b>Total Request</b>	<b>Non-WSRF Cash Match</b>	<b>Non-WSRF In-Kind Match</b>	<b>Non-WSRF Total Match</b>	<b>Statewide Match (Basin &amp; Non-WSRF)</b>	<b>Total Project Costs</b>	<b>Staff Recommendations</b>	<b>PM</b>
<b>26(b)</b>	Gunnison	Delta Brick & Climate Company	Chemical Water Production via Methane Mitigation	\$18,000	\$0	\$18,000	\$0	\$5,000	\$5,000	n/a	\$23,000	Staff recommends approval of up to \$18,000 from the Gunnison Basin Account	Anna Mauss
<b>26(c)</b>	Gunnison	Trout Unlimited	Cimmaron Canal Diversion Gate Replacement and Water Management Planning Project	\$11,500	\$0	\$11,500	\$33,918	\$3,000	\$36,918	n/a	\$48,418	Staff recommends approval of up to \$11,500 from the Gunnison Basin Account	Craig Godbout
<b>26(d)</b>	Yampa/White/Green	The Nature Conservancy	Maybell Ditch Diversion Structure Rehabilitation and Headgate Modernization	\$73,000	\$0	\$73,000	\$280,000	\$20,500	\$300,500	n/a	\$373,500	Staff recommends approval of up to \$73,000 from the Yampa/White/Green Basin Account	Craig Godbout
<b>26(e)</b>	Yampa/White/Green	Upper Walker Ditch Company	Walker Ditch Headgate Replacement	\$62,222	\$0	\$62,222	\$20,741	\$3,895	\$24,636	n/a	\$86,858	Staff recommends approval of up to \$73,000 from the Yampa/White/Green Basin Account	Craig Godbout
<b>26(f)</b>	Colorado	Trout Unlimited and the Blue River Watershed Group	Blue River Integrated Water Mgt. Plan	\$17,110	\$0	\$17,110	\$32,000	\$31,710	\$63,710	n/a	\$253,639	Staff recommends approval of up to \$17,110 from the Colorado Basin Account	Chris Sturm
<b>26(g)</b>	Colorado	EagleVail Metropolitan District	Phase 1 – Stone Creek Master Plan	\$25,000	\$0	\$25,000	\$125,000	\$7,500	\$132,500	n/a	\$150,000	Staff recommends approval of up to \$25,000 from the Colorado Basin Account	Megan Holcomb
<b>26(h)</b>	Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande, Conejos, and Saguache Stream Management Plans	\$28,000	\$0	\$28,000	\$287,660	\$15,600	\$303,260	n/a	\$331,260	Staff recommends approval of up to \$28,000 from the Rio Grande Basin Account	Chris Sturm
<b>Subtotal</b>				<b>\$234,832</b>	<b>\$0</b>	<b>\$234,832</b>							

<u>Basin</u>	<u>Basin Account Requests</u>	<u>Statewide Account Requests</u>	<u>Total Requests</u>	<u>Current Basin Account Balances</u>	<u>Remaining Basin Account Balances (if all requests approved)</u>	<u>Current Statewide Account Balance</u>	<u>Remaining Statewide Account Balance (if all requests approved)</u>
<u>Arkansas Basin</u>	\$0	\$0	\$0	\$177,221	\$177,221		
<u>Colorado Basin</u>	\$42,110	\$0	\$42,110	\$157,416	\$115,306		
<u>Gunnison Basin</u>	\$29,500	\$0	\$29,500	\$309,238	\$279,738		
<u>Metro</u>	\$0	\$0	\$0	\$619,864	\$619,864		
<u>North Platte</u>	\$0	\$0	\$0	\$847,129	\$847,129	<b>\$1,217,736</b>	<b>\$1,217,736</b>
<u>Rio Grande</u>	\$28,000	\$0	\$28,000	\$87,962	\$59,962		
<u>Southwest</u>	\$0	\$0	\$0	\$251,088	\$251,088		
<u>South Platte</u>	\$0	\$0	\$0	\$462,720	\$462,720		
<u>Yampa/White/Green</u>	\$135,222	\$0	\$135,222	\$744,028	\$608,806		
<u>Water Supply Reserve Fund Total Requests</u>	<b>\$234,832</b>	<b>\$0</b>	<b>\$234,832</b>	<b>\$3,479,445</b>	<b>\$3,244,613</b>		

**Water Supply Reserve Fund – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**May 15-16, 2019**  
**Agenda Item 26(b)**

**Applicant & Grantee:** Delta Brick & Climate Company  
**Water Activity Name:** Chemical Water Production via Methane Mitigation  
**Water Activity Purpose:** Greenhouse gas mitigation and water production  
**County:** Gunnison  
**Drainage Basin:** Gunnison  
**Water Source:** Paonia Reservoir  
**Amount Requested:** \$18,000 Gunnison Basin Account  
**Matching Funds:** Applicant Match (in-kind) = \$5,000  
• 28% of the Basin Account request (meets 25% min)

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$18,000 from the Gunnison Basin Account to help fund the project titled: Chemical Water Production via Methane Mitigation.
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**Water Activity Summary:** WSRF grant funds, if approved, will assist Delta Brick & Climate Company Ltd to partner with Vessels Coal Gas LLC to produce a new source of water in the North Fork of the Gunnison River basin. Vessels Coal Gas produces greenhouse gas offsets and electricity from coal mine methane, converting methane and oxygen into carbon dioxide, water and energy. The afore mentioned water is created chemically and would not otherwise exist. Methane is a very potent greenhouse gas, and the water can be thought of as a naturally occurring by-product of methane destruction. The water is currently vented as vapor, and only a tiny fraction returns to the watershed as precipitation. The proposed water activity is the condensation of this steam into a new water source.

Gunnison Basin Roundtable funds will be used for engineering design, purchase, and installation of a pilot condensation apparatus. Successful testing of this pilot apparatus would result in additional combusting of gas that is currently venting.

**Discussion:** This project supports the goals of protecting existing water uses in the Gunnison Basin as called for in the Gunnison Basin Implementation Plan, as well as assisting the state achieve the goal of maintaining or developing additional storage as indicated in Chapter 10, Section 10.3 of Colorado's Water Plan.

**Issues/Additional Needs:** No issues or additional needs have been identified

**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:**

<b><u>Funding Sources</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>	<b><u>Status</u></b>
Delta Brick & Climate Company	\$0	\$5,000	\$5,000	Secured
WSRF Gunnison Basin Account	\$18,000	\$0	\$18,000	Secured
<b>Total Study Costs</b>	<b>\$18,000</b>	<b>\$5,000</b>	<b>\$23,000</b>	

**CWCB Project Manager:** Craig Godbout

**Water Supply Reserve Fund – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**May 15-16, 2019**  
**Agenda Item 26(c)**

**Applicant & Grantee:** Trout Unlimited

**Water Activity Name:** Cimarron Canal Diversion Gate Replacement and Water Management Planning Project

**Water Activity Purpose:** Agricultural & Environmental/Recreation

**County:** Gunnison

**Drainage Basin:** Gunnison

**Water Source:** Big Cimarron River

**Amount Requested:** \$11,500 Gunnison Basin Account

**Matching Funds:** Applicant & 3<sup>rd</sup> Party Match (cash & in-kind) = \$36,918  
• 321% of the Basin Account request (meets 10% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$11,500 from the Gunnison Basin Account to help fund the project titled: Cimarron Canal Diversion Gate Replacement and Water Management Planning Project.

**Water Activity Summary:** WSRF grant funds, if approved, will assist Trout Unlimited, Bostwick Park Conservation District and the Cimarron Canal Company replace a degraded diversion headgate, provide connectivity to an existing SCADA system allowing for automatic and remote controls and will provide water management planning and engineering that will direct the operations of the gate. The proposed project will automate releases to the river at the diversion and create a planning model that BPWCD and others can follow to maintain flows in the River and a variety of flow regimes. The automation will also reduce time and travel costs associated with management of the diversion.

Objectives of the project include:

1. Maintain and improve consistent streamflow downstream of the Cimarron Canal diversion structure.
2. Meet water demands below the Cimarron Canal including CWCB instream flow rights.
3. Reduce time, labor and mileage for Bostwick Park and Cimarron Canal and other agency and non-profit staff associated with managing diversions and streamflow below the diversion.
4. Avoid unnecessary impacts to the natural environment supported by the Cimarron River.

**Discussion:** This effort will assist the Gunnison Basin Roundtable achieve goals 1, 5, 7, 8 & 9 as called for in the Gunnison Basin Implementation Plan, as well as assisting the state achieve the goals of: A productive economy that supports vibrant and sustainable cities; viable and productive agriculture; and a robust skiing, recreation, and tourism industry; Efficient and effective water infrastructure; and a strong environment that includes healthy watersheds, river, streams and wildlife as called for in Chapter 10 of Colorado's Water Plan.

**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:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>	<b><u>Status</u></b>
The Nature Conservancy	\$60,000	\$20,000	\$80,000	Pending
Trout Unlimited	\$15,000	\$18,000	\$33,000	Secured
River Network	\$10,000	\$60,000	\$70,000	Pending
Colorado Dept. of Water Resources	\$0	\$10,000	\$10,000	Pending
Ag Alliance	\$0	\$50,000	\$50,000	Pending
Friends of the Yampa	\$0	\$20,000	\$20,000	Pending
Upper Yampa Water Conservancy District	\$30,000	\$0	\$30,000	Pending
CWCB Watershed Restoration grant	\$235,000	\$0	\$235,000	Pending
Sub-total	\$350,000	\$178,000	\$528,000	
WSRF Yampa/White/Green Basin Account	\$154,524	\$0	\$154,524	Secured
<b>Total Project Costs</b>	<b>\$504,524</b>	<b>\$178,000</b>	<b>\$682,524</b>	

**CWCB Project Manager:** Chris Sturm



**Water Supply Reserve Fund – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**May 15-16, 2019**  
**Agenda Item 26(d)**

**Applicant & Grantee:** The Nature Conservancy

**Water Activity Name:** Maybell Ditch Diversion Structure Rehabilitation and Headgate Modernization

**Water Activity Purpose:** Agricultural & Environmental/Recreation/Implementation

**County:** Moffat

**Drainage Basin:** Yampa

**Water Source:** Yampa

**Amount Requested:** \$73,000 Yampa/White/Green Basin Account

**Matching Funds:** Applicant & 3<sup>rd</sup> Party Match (cash & in-kind) = \$305,500  
• 418% of the Basin Account request (meets 10% min)

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$73,000 from the Yampa/White/Green Basin Account to help fund the project titled: Maybell Ditch Diversion Structure Rehabilitation and Headgate Modernization.
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**Water Activity Summary:** WSRF grant funds, if approved, will assist The Nature Conservancy develop final engineering and construction documents for the Maybell Ditch head gate replacement and diversion structure improvement. A recent analysis based on publicly available data assessed the Maybell Ditch diversion as one of the least efficient in the area. The Maybell Ditch annual diversions through the canal are approximately 20,000 acre-feet per year with an irrigation water requirement of 1,800 acre-feet. The canal provides water for 18 users and approximately 1,100 acres of high-elevation hay fields, the predominant irrigated crop in the region. Project partners have identified several priority projects to improve the operational efficiency of the canal, including canal lining, new check structures, automated waste gate, and new headgate. The Project Partners have already made significant investment since 2016, lining the ditch, automating the waste gate and constructing new check structures. The diversion structure needs improvement to provide boater safety and allow fish passage of native fish, including the four species of endangered fish at low flows.

**Discussion:** This effort will assist the Yampa/White/Green Basin Roundtable meet the following goals as called out in the Yampa/White/Green Basin Implementation Plan: Protect the YWG from compact curtailment; protect agriculture uses of water; improve agricultural water supplies and reduce shortages; quantify and protect recreational water uses; maintain water quality; develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs.

**Issues/Additional Needs:** The applicant must submit several letters of matching commitment (see *Funding Summary/Matching Funds* section below) prior to entering into a contract with the state, otherwise no issues or additional needs have been identified.

**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:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>	<b><u>Status</u></b>
The Nature Conservancy	\$195,000	\$20,500	\$215,500	Secured
CWCB Water Plan Grant	\$75,000	\$0	\$75,000	Pending
Maybell Irrigation District	\$10,000	\$0	\$10,000	Pending
Sub-total	\$280,000	\$20,500	\$300,500	
WSRF Gunnison Basin Account	\$73,000	\$0	\$73,000	Secured
<b>Total Project Costs</b>	<b>\$353,000</b>	<b>\$20,500</b>	<b>\$373,500</b>	

**CWCB Project Manager:** Craig Godbout

**Water Supply Reserve Fund – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**May 15-16, 2019**  
**Agenda Item 26(e)**

**Applicant & Grantee:** Upper Walker Ditch Company  
**Water Activity Name:** Walker Ditch Headgate Replacement  
**Water Activity Purpose:** Agricultural/M&I/Implementation  
**County:** Routt  
**Drainage Basin:** Yampa  
**Water Source:** Yampa  
**Amount Requested:** \$62,222 Yampa/White/Green Basin Account  
**Matching Funds:** Applicant & 3<sup>rd</sup> Party Match (cash & in-kind) = \$24,636  
• 40% of the Basin Account request (meets 10% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$62,222 from the Yampa/White/Green Basin Account to help fund the project titled: Walker Ditch Headgate Replacement.

**Water Activity Summary:** WSRF grant funds, if approved, will assist the Upper Walker Ditch Company replace a major diversion headgate and flood control structure serving the Walker Ditch located on the Yampa River three miles east of Hayden Colorado. The project headgate was constructed approximately in 1940 after the river migrated north away from the original 1890 headgate location. The 1940 river migration required an extension of the ditch through the old channel and new headgate structure on the new river channel. In the spring of 2016, the 1940 headgate collapsed and had to be removed from service. Since then the ditch has basically been open and free flowing and flood control has been accomplished by a temporary gravel structure when needed on the lengthened ditch area. Ditch measurement and control has continued with the operation of the original 1890 headgate that was reconstructed in the mid 2000's which is located at the original diversion site. Current and anticipated future operation continues to include a spill channel for un-diverted and flood water to go back to the river. Project components include design, engineering and construction.

**Discussion:** This effort will assist the Yampa/White/Green Basin Roundtable meet the goals 1-10 as called out in the Yampa/White/Green Basin Implementation Plan, as indicated in the application, and as recommended by the Yampa/White/Green Basin Roundtable.

**Issues/Additional Needs:** No issues or additional needs have been identified.

**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:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>	<b><u>Status</u></b>
Walker Ditch Water Rights Owners	\$20,741	\$3,895	\$24,636	Secured
WSRF Yampa/White/Green Basin Account	\$62,222	\$0	\$62,222	Secured
<b>Total Project Costs</b>	<b>\$82,963</b>	<b>\$3,895</b>	<b>\$86,858</b>	

**CWCB Project Manager:** Craig Godbout

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
May 16, 2019  
Agenda Item 26(f)**

**Applicant & Grantee:** Trout Unlimited and the Blue River Watershed Group  
**Water Activity Name:** Blue River Integrated Water Management Plan  
**Water Activity Purpose:** Multipurpose Study  
**County:** Summit County and parts of Grand County  
**Drainage Basin:** Colorado  
**Water Source:** Blue River  
**Amount Requested:** \$17,110 Colorado Basin Account  
**Matching Funds:** Applicant Match (cash & in-kind) = \$63,710

- 372% of the Basin Account request (meets 25% min)
- 25% of the total project cost of \$253,639

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$17,110 from the Colorado Basin Account to help fund the project titled: Blue River Integrated Water Management Plan.
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**Water Activity Summary:** WSRF grant funds, if approved, will help Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) work together to produce a basin-wide integrated water management plan (IWMP) for the Blue River basin in Summit and Grand Counties in Colorado. The long-term goal of the IWMP will be to enable consumptive and non-consumptive water users to understand and quantify current and future use and integrate those uses for the maximum benefit of all users while protecting the existing water resource (approx. 19 miles of stream).

The initial scope of work for this grant request (IWMP-Phase One) has two primary objectives to be completed through four main tasks. The two objectives are to: 1) work in parallel with the Blue River Enhancement Workgroup (BREW) to understand the reasons for the declining Blue River trout fishery; and 2) compile current research, management plans, and stakeholder input to inform the IWMP-Phase Two. Tasks include: 1) the formulation of an advisory team along with broad stakeholder outreach; 2) determination of the causes for the declining fishery between Dillon and Green Mountain Reservoirs; 3) compilation and analysis of existing data-information-studies; and 4) the development of “next steps” focusing on the formulation of IWMP-Phase Two implementation goals and objectives.

**Discussion:** As described in the Colorado basin roundtable chair’s recommendation letter, this project was supported and recommended for approval by the roundtable on March 25, 2019. The project will help meet goals outlined in the Colorado Water Plan (Goals A, B, D, E, and F) and in the Colorado River Basin’s Basin Implementation Plan (Themes 1-5). This project will advance understanding of negative conditions affecting the Blue River in Summit County, not the least being the habitat conditions, which are contributing to the degradation of the Gold Medal fisheries. Both Colorado’s Water Plan and the Basin Implementation Plan address stream management planning and the need for healthy streams and riparian areas.

**Issues/Additional Needs:** No additional needs have been identified.

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

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

**Funding Summary / Matching Funds:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-Kin\$0d</u></b>	<b><u>Total</u></b>
Town of Silverthorne	\$15,000	\$0	\$15,000
Blue Valley Ranch	\$12,000	\$0	\$12,000
Summit County Water Quality Committee (via NWCOG)	\$2,500	\$0	\$2,500
Summit County	\$2,500	\$0	\$2,500
TU and BRWG Staff Time (.35 FTE x 18 mo.)	\$0	\$31,710	\$0
<b>Sub-total</b>	<b>\$32,000</b>	<b>\$31,710</b>	<b>\$63,710</b>
CWCB Watershed Restoration grant <i>awarded</i>	\$126,819	n/a	\$126,819
CWCB CWP Grant (Env&Rec) <i>pending</i>	\$30,000	n/a	\$30,000
CWCB CWP Grant (Engagement & Innov) <i>pending</i>	\$16,000	n/a	\$16,000
CWCB WSRF Colorado Basin Account	\$17,110	n/a	\$17,110
<b>Totals</b>	<b>\$221,929</b>	<b>\$31,710</b>	<b>\$253,639</b>

**CWCB Project Manager:** Chris Sturm

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
May 16, 2019  
Agenda Item 26(g)**

**Applicant & Grantee:** EagleVail Metropolitan District  
**Water Activity Name:** Phase 1 – Stone Creek Master Plan  
**Water Activity Purpose:** Multipurpose Implementation  
**County:** Eagle  
**Drainage Basin:** Colorado  
**Water Source:** Stone Creek  
**Amount Requested:** \$25,000 Colorado Basin Account  
**Matching Funds:** Applicant Match (cash & in-kind) = \$132,500

- 528% of the Basin Account request (meets 25% min)
- 88% of the total project cost of \$150,000

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$25,000 from the Colorado Basin Account to help fund the project titled: Phase 1 – Stone Creek Master Plan.

**Water Activity Summary:** WSRF grant funds, if approved, will help EagleVail Metropolitan District (EVMD) implement Phase 1 of the Stone Creek Master Plan. Phase 1 is a 270-foot section of Stone Creek that would address removing to man-made dams, create a terraced channel with a low flow and bankfull channel connected to the floodplain, improve water quality, install fish habitat and stream stabilization structures, provide fish passage, reduce sediment aggradation, decrease channel width and increase channel depth, and stabilize the creek banks. Costs include design fees, permitting, construction, and project management fees.

The goal of the Master Plan after implementation is to leave Stone Creek as a stabilized, self-sustaining, holistic ecosystem with requiring minimal maintenance, with a flourishing aquatic and terrestrial ecosystem. This project will also allow for numerous public engagement opportunities to allow the public understand how to be better stewards of Stone Creek. The Master Plan is divided into five phases for completion over several years. These phases are ranked in order of priority with Phase 1 as the most critical.

**Discussion:** As described in the Colorado basin roundtable chair’s recommendation letter, this project was supported and recommended for approval by the roundtable on March 25, 2019. The 1.6-mile section of Stone Creek that flows through the EagleVail community is facing a significant chapter in its existence. Stone Creek has suffered the impacts of development in its watershed and its floodplain over the last several decades and the cumulative effect of the loss of riparian buffer, loss of floodplain connectivity, channelization, and the increase in impervious surfaces is visible in the aquatic ecosystem.

Over the past several years the EVMD has partnered with others to educate, communicate, and present a long-term solution to the diversities and deficiencies that face Stone Creek today. Partnerships include: Scott Schreiber of Wright Water Engineers as the EVMD's water engineer & consultant, the Matrix Design Group and Aqua Sierra for their in-depth studies and plans, the support of the Eagle River Water & Sanitation District, the Eagle River Watershed Council's support through signage and education, the EagleVail POA and their support and community education and outreach, the Town of Vail and there Watershed Education Coordinator, the Eagle County School District specifically Homestake Peak School of Expeditionary Learning through community service and educational opportunities, support through Trout Unlimited, and many EagleVail residents that are passionate about the creek restoration project.

With the assistance of these partnerships, the resources provided by the EVMD, and with the additional funding provided by the Water Supply Reserve Fund, the EVMD's goal would be to complete Phase 1 of the Master Plan in the fall of 2019.

**Issues/Additional Needs:** No additional needs have been identified.

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

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

**Funding Summary / Matching Funds:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-Kin\$0d</u></b>	<b><u>Total</u></b>
EagleVail Metropolitan District	\$125,000	\$0	\$125,000
Eagle County Watershed Council	\$0	\$1,000	\$1,000
EagleVail POA	\$0	\$500	\$500
Homestake Peak School	\$0	\$1,000	\$1,000
Scott Schreiber, Wright Water Engineers	\$0	\$5,000	\$5,000
<b>Sub-total</b>	<b>\$125,000</b>	<b>\$7,500</b>	<b>\$132,000</b>
CWCB WSRF Colorado Basin Account	\$25,000	n/a	\$25,000
<b>Totals</b>	<b>\$150,000</b>	<b>\$7,500</b>	<b>\$157,000</b>

**CWCB Project Manager:** Megan Holcomb



**Water Supply Reserve Fund  
Water Activity Summary Sheet  
May 16, 2019  
Agenda Item 26(h)**

**Applicant:** Rio Grande Headwaters Restoration Project  
**Fiscal Agent:** Colorado Rio Grande Restoration Foundation  
**Water Activity Name:** Rio Grande, Conejos River, & Saguache Creek Stream Management Plan  
**Water Activity Purpose:** Multipurpose Study  
**County:** Conejos, Alamosa, Rio Grande, Mineral, Hinsdale, San Juan, Saguache  
**Drainage Basin:** San Luis Valley  
**Water Source:** n/a  
**Amount Requested:** \$28,000 Rio Grande Basin Account  
**Matching Funds:** Applicant Match (cash & in-kind) = \$303,260

- 1083% of the basin request
- 91% of the total project cost of \$331,260

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$28,000 from the Rio Grande Basin Account to fund the project titled: Rio Grande, Conejos, and Saguache Stream Management Plans.
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**Water Activity Summary:** WSRF grant funds, if approved, will support development of the Rio Grande, Conejos River, and Saguache Creek Stream Management Plans (SMPs) for the following reaches of priority streams in the Rio Grande Basin:

- Rio Grande from Stony Pass to the Colorado state line
- Conejos River from Platoro Reservoir to the confluence with the Rio Grande, and
- Saguache Creek from Stone Cellar Campground to the Town of Saguache

The Rio Grande Basin Roundtable's SMP Committee prioritized these reaches, developed the project scope of work, and committed to assisting in a technical advisory team (TAT) capacity. The TAT, which guides the SMP process, includes partners from water user groups, local environmental and recreation interests, and state and federal agencies. Requested WSRF funds will support stakeholder engagement, quantifying flow recommendations, preparing the final SMP report, and grant management. This process will result in the development of recommendations to improve flows and physical conditions of priority streams for environmental, recreational, and community benefits.

Project objectives include:

1. Maintain and build on the coalition of community partners engaged in stream management planning through frequent and robust stakeholder engagement throughout the project.
2. Summarize and obtain information regarding the biological, hydrological, and geomorphological condition of identified stream reaches in the Rio Grande watershed.
3. Define and prioritize environmental, recreational, and community values.
4. Develop goals to improve flows and physical conditions needed to support values.
5. Outline actions to achieve measurable progress toward maintaining or improving goals.

6. Identify opportunities and constraints for implementation of projects, and additional data needed to inform project development

**Discussion:** As described in the Rio Grande Roundtable chair's recommendation letter, this project was supported and recommended for approval on March 18, 2019. This project aligns with the Colorado Water Plan objective of developing SMPs for 80 percent of locally prioritized streams by 2030 and aims to identify and implement projects to meet community and agricultural water needs while balancing the needs of the environment and recreation. This multi-objective and collaborative effort supports the following Rio Grande Basin Implementation Plan goals: 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, (BIP Section 3, pp 58-59).

**Issues/Additional Needs:** No additional needs have been identified.

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

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

**Funding Summary / Matching Funds:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-Kind</u></b>	<b><u>Total</u></b>
Bureau of Reclamation WaterSMART program	\$35,000	\$0	\$35,000
San Luis Valley Conservation and Connection Initiative	\$30,000	\$0	\$30,000
San Luis Valley Water Conservancy District	\$10,000	\$0	\$10,000
American Whitewater	\$90,160	\$0	\$90,160
Colorado Rio Grande Restoration Foundation	\$4,500	\$0	\$4,500
Conejos Water Conservancy District	\$0	\$5,000	\$0
Technical Advisory Team	\$0	\$10,600	\$0
Subtotal	\$169,660	\$15,600	\$169,660
CWCB Watershed Restoration Program	\$118,000	n/a	\$118,000
WSRF Rio Grande Basin Account	\$28,000	n/a	\$28,000
<b>Totals</b>	<b>\$315,660</b>	<b>\$15,600</b>	<b>\$331,260</b>

**CWCB Project Manager:** Chris Sturm