

Water Supply Reserve Fund – Grant and Loan Program
Water Activity Summary Sheet
March 20-21, 2019
Agenda Item 24(I)

Applicant & Grantee: Colorado River Water Conservation District
Water Activity Name: Yampa River Basin Integrated Water Management Project
Water Activity Purpose: Multipurpose (Ag/Env/M&I/Ed & Outreach)
County: Routt & Moffat
Drainage Basin: Yampa
Water Source: Yampa River
Amount Requested: \$154,524 Yampa/White/Green Basin Account
Matching Funds: Applicant Match & 3rd party (cash & in-kind) = \$528,000
• 341% of the Basin Account request (meets 10% min)

Staff Recommendation:
Staff recommends approval of up to \$154,524 from the Yampa/White/Green Basin Account to help fund the project titled: Yampa River Basin Integrated Water Management Project.

Water Activity Summary: WSRF grant funds, if approved, will assist the Yampa/White/Green Basin Roundtable provide a roadmap to collaboratively identify and support actions that help implement the basin goals. This process was crafted through extensive stakeholder outreach in 2018. This project charts a path forward for the BRT to progress on BIP goals while also building relationships with water users in the basin and responding to their needs; both were key needs found in the scoping process. It will combine stakeholder input with science and engineering assessments to identify actions that users can take to protect existing and future water uses in the Yampa River basin and support healthy river ecosystems in the face of growing population, changing land uses and climate uncertainty.

Discussion: This effort will assist the Yampa/White/Green Basin Roundtable achieve the goals of: Protect and encourage agricultural uses of water in the YWG Basin within the context of private property rights; Improve agricultural water supplies to increase irrigated land and reduce shortages; Quantify and protect non-consumptive water uses, and maintain and consider the existing natural range of water quality that is necessary for current and anticipated water uses; Develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs.

In addition, this effort assists the state achieve the measurable objective of covering 80% of locally prioritized list of rivers with stream management plans as called for in Chapter 10, Section 10.3 of Colorado's Water Plan.

Issues/Additional Needs: The applicant/grantee needs to secure to additional grant awards and provide documentation of these awards prior to entering into a grant 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:

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>	<u>Status</u>
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
Total Project Costs	\$504,524	\$178,000	\$682,524	

CWCB Project Manager: Chris Sturm



Rebecca Mitchell, Director
Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203

February 21, 2019

Dear Ms. Mitchell,

During its January 2019 meeting, the Yampa White Green Basin Roundtable (the Basin Roundtable) membership recommended approval of the expenditure of \$154, 524 from Basin Funds, for the Yampa River Integrated Water Management Plan. The motion was made with a contingency clause that the Colorado River District must agree to serving as the Roundtable's fiscal agent for the project, which they did unanimously at their January 2019 meeting. The Colorado Water Conservation Board approved the Basin Roundtable's request for \$235,000 of Stream Management Plan funding during the January 2019 meeting.

One member of the Basin Roundtable, Steve Hinkemeyer, expressed a vote in opposition, stating that he was against allocating additional funds prior to the Colorado River District's approval, and that he would have felt more comfortable coming back to the Basin Roundtable to ask for additional funds once the fiscal agent was in place.

On behalf of the membership and the over fifty individuals that have participated in the 2 years of planning and designing the Yampa River Integrated Water Management Plan, thank you for considering this additional expenditure of Basin funds.

Please don't hesitate to contact me at (970) 819-2484 with questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'JB', with a long horizontal line extending to the right.

Jackie Brown

Yampa White Green Basin Roundtable, Chair



Last Update: August 3, 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⁾ (in scope of work)
	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.

Last Update: August 3, 2017

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 2019
Desired Notice to Proceed Date:	June 2019

Water Activity Summary	
Name of Applicant	YWG Basin Roundtable
Name of Water Activity	Yampa River Basin Integrated Water Management Project
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾
Yampa White Green	\$154,524
Basin Account Request Subtotal	\$154,524
Statewide Account Request ⁽¹⁾	\$
Total WSRF Funds Requested (Basin & Statewide)	\$154,524
Total Project Costs	\$682,524

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



Last Update: August 3, 2017

Grantee and Applicant Information	
Name of Grantee(s)	Colorado River Water Conservation District
FEIN	84-6000156
Grantee's Organization Contact ⁽¹⁾	Andy Mueller
Position/Title	General Manager
Email	hcausey@crwcd.org
Phone	970-945-8522
Grant Management Contact ⁽²⁾	Hunter Causey
Position/Title	Senior Water Resource Engineer
Email	hcausey@crwcd.org
Phone	970-945-8522
Name of Applicant (if different than grantee)	Yampa White Green Basin Roundtable
Mailing Address	PO Box 115 Maybell, CO 81640
Position/Title	April McIntyre, Recorder
Email	yampawhitegreen@gmail.com
Phone	970-985-9924

(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 YWG BRT is one of nine grassroots water policy forums created by HB05-1177. It adopted its Basin Implementation Plan and accompanying basin goals in 2015. The BIP seeks to embody the intent of the legislation to “encourage locally driven collaborative solutions to water supply challenges.” The YWG BRT serves as a venue for coordinating and supporting the most effective water supply solutions in the YWG Basin. The BRT is made up of 26 voting members that seek to represent the diversity of views on water management in the basin.</p>



Last Update: August 3, 2017

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

Type of Water Activity (check one)	
<input checked="" type="checkbox"/>	Study
<input type="checkbox"/>	Implementation

Category of Water Activity (check all that apply)		
<input checked="" type="checkbox"/>	Nonconsumptive (Environmental)	
<input checked="" type="checkbox"/>	Nonconsumptive (Recreational)	
<input checked="" type="checkbox"/>	Agricultural	
<input checked="" type="checkbox"/>	Municipal/Industrial	
<input checked="" type="checkbox"/>	Needs Assessment	
<input checked="" type="checkbox"/>	Education & Outreach	
<input type="checkbox"/>	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	Routt, Moffat
Latitude	Basinwide
Longitude	Basinwide

Last Update: August 3, 2017

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 Yampa/White/Green Basin Roundtable (BRT) is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental and recreational users, as expressed in the 2015 Basin Implementation Plan and its eight goals. The BRT continued planning efforts in 2016-17 by creating a sophisticated hydrology model of the Yampa and White river systems. This proposal continues progress on the BIP through an Integrated Water Management Plan (IWMP).

This IWMP proposal provides a roadmap to collaboratively identify and support actions that help implement the basin goals. It was crafted through extensive stakeholder outreach in 2018. This project charts a path forward for the BRT to progress on BIP goals while also building relationships with water users in the basin and responding to their needs; both were key needs found in the scoping process. It will combine stakeholder input with science and engineering assessments to identify actions that users can take to protect existing and future water uses in the Yampa River basin and support healthy river ecosystems in the face of growing population, changing land uses and climate uncertainty.

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)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:

Last Update: August 3, 2017

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 Colorado Water Plan calls for 80 percent of locally prioritized rivers to be covered by Stream Management Plans by 2030 (page 6-178). The Yampa IWMP will serve to advance the state's goals by conducting integrated planning (which includes the elements of SMPs) on four segments in the Yampa River Basin, a critical and highly prioritized section of river within the Colorado River Basin. The CWP also calls for the encouragement of ditch-wide and regional planning to explore system-wide conservation and efficiency opportunities and tradeoffs, the potential for water sharing, and long-term infrastructure maintenance needs. The Yampa IWMP includes a regional irrigation infrastructure needs assessment to identify high priority improvements that will also have environmental benefit. The integrated approach that the planning effort proposes speaks directly to the Colorado Water Plan's call to "set forth a water management roadmap to achieve a productive economy, vibrant and sustainable cities, productive agriculture, a strong environment, and a robust recreation industry."

The IWMP seeks to make progress on all of the basin's goals laid out on page 1-7 of the Basin Implementation Plan. It will most specifically focus on the following goals through answering these key questions:

BIP Goal(s)	Key Questions
Protect and encourage agricultural uses of water in the YWG Basin within the context of private property rights. AND Improve agricultural water supplies to increase irrigated land and reduce shortages.	What are the needs for upgrading river infrastructure, how can those be met, and where are opportunities for diversion infrastructure projects that have multi-purpose benefits?
Quantify and protect non-consumptive water uses. AND Maintain and consider the existing natural range of water quality that is necessary for current and anticipated water uses.	<ul style="list-style-type: none"> What do we already know about trends in river corridor health (flow, stream structure, habitat, riparian condition) and where do we need more information?



Last Update: August 3, 2017

Water Activity Justification	
	<ul style="list-style-type: none">• How can the stakeholders protect or enhance river corridor health, while securing water needs for the future given future challenges of water availability, population growth and climate uncertainty?• How can local stakeholders help address the needs of the endangered fish as per the Upper Colorado Endangered Fish Recovery Program post 2023?• What are opportunities for improving public river access, protecting open space and other recreation projects that will have positive economic impacts to landowners and Yampa basin communities?
Develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs.	<ul style="list-style-type: none">• Using existing hydrology models, how might river operations change in the future (new storage, conversion to sprinklers, changes in return flow patterns, etc.), and how would such changes impact the river compared to current operations?• Is there a collaborative opportunity for an integrated system of existing/new storage and releases that could improve river operations?

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



Last Update: August 3, 2017

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)
TNC	\$60,000 (cash) \$20,000 (ik)
TU	\$15,000 (cash) \$18,000 (ik)
River Network	\$10,000 (cash) \$60,000 (ik)
DWR	\$10,000 (ik)
Ag Alliance	\$50,000 (ik)
FOTY	\$20,000 (ik)
Upper Yampa WCD	\$30,000 (cash)
CWCB Watershed Restoration Grant	\$235,000 (cash)
Total Match	\$528,000
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):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Last Update: August 3, 2017

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.

The YWG BRT has completed numerous planning studies, assessments, stakeholder engagement processes and water projects in the basin in its 13 year history. It has funded an array of local projects ranging from feasibility studies for new storage to diversion reconstruction to a Stream Management Plan through Steamboat Springs. A full list of funded projects is available at <https://www.yampawhitegreen.com/projects>.

The YWG BRT also oversees a basin-wide water education effort in partnership with the Community Agriculture Alliance and Yampatika. The effort involves regular opinion pieces in local newspapers, radio PSAs, youth education programs, ranch tours and more. Examples of the work can be found at:

<https://www.yampawhitegreen.com/education/#pepo>

To scope the IWMP in 2018, the YWG BRT contracted with CBI Inc, Wilson Water Group, Community Agriculture Alliance and The Nature Conservancy to interview water users, water managers, basin roundtable members and compile existing information. From this process we discovered a need for identification, prioritization and support of on-the-ground projects, as well as a desire for stronger relationships between water management organizations (including the YWG BRT) and local water users. Memos from the scoping tasks can be found at:

<https://drive.google.com/drive/folders/1keUgzsGAe3HICK52ValYJq2piH1DppZh?usp=sharing>

Water planning is at the heart of the YWG BRT's activities. Most recently, it completed an 18-month update to the baseline CDSS Yampa model so it accurately represents current administration and can predict future demands, implementation of IPPs, and possible shortages to junior water rights, consumptive needs and environmental/recreational flows. In addition to modeling, this project required extensive interviews with area water management organizations (Colorado River District, Upper Yampa Water Conservancy District, City of Steamboat Springs, Colorado Parks and Wildlife, Mt. Werner Water and Sanitation District, Rio Blanco Water Conservancy District, etc) to understand their operations and IPPs.

In 2015, the YWG BRT completed its Basin Implementation Plan which identified initial measures to meet YWG basin goals to firm up supplies for existing uses and for future growth, while meeting recreational and environmental needs. All BRT recreational, environmental, agricultural, municipal and industrial stakeholders unanimously adopted the BIP's eight goals and their associated measurable outcomes.

Last Update: August 3, 2017

Related Studies

Prior to 2015, the YWG BRT performed the following assessments:

- Nonconsumptive Needs Focus Mapping Report and Watershed Flow Evaluation Tool (2010)
- Energy Development Water Needs Assessment (2011)
- Agricultural Water Needs Assessment (2011)

Individual organizations that are members of the YWG BRT, who will oversee implementation of its recommendations, also have a long history of completing projects in the basin. Below is a small sampling of the projects undertaken by BRT member organizations:

- Stagecoach Reservoir expansion, Upper Yampa Water Conservancy District, 2010
- Dry-year water leases to improve Yampa River flows, Upper Yampa Water Conservancy District, City of Steamboat Springs and Colorado Water Trust, 2012-2013, 2015-2018
- Upper Elkhead Creek river restoration projects, Trout Unlimited, 2011-current
- Little Yampa Canyon riverside campsite development, Friends of the Yampa and US Bureau of Land Management, 2018
- Walker Ditch diversion improvement, The Nature Conservancy, 2018
- Leafy Spurge mapping and pilot eradication projects, National Park Service and Yampa River Leafy Spurge Group, 2015-current

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

Applicant (YWG BRT):

None

Grantee (CRWCD):

Applicant	Water Activity	CWCB board meeting date	Contract or PO number
Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis	3/13/2007	C150404
Colorado River Water Conservation District	Yellow Jacket Water Storage Feasibility Study	1/26/2010	C150472
Colorado River Water Conservation District	BIP- Colorado Basin Implementation Plan	9/24/2013	CTGG1 2015-546



Last Update: August 3, 2017

Previous CWCB Grants			
Colorado River Water Conservation District	Yampa/White Basin Implementation Plan	11/20/2013	C150547
Colorado River Water Conservation District	No Chico Brush Agricultural Water Research Project	3/18/2014	POGG1 2015-124
Colorado River Water Conservation District	Kendig Reservoir Feasibility Evaluation	7/15/2015	POGG1 2016-208
Colorado River Water Conservation District	Colorado River Development & Curtailment Risk Study	3/16/2016	POGG1 2016-828
Colorado River Water Conservation District	BIP - Yampa/White/Green Basin Implementation Plan Modeling	5/19/2016	CTGG1 2017-520 POGG1 2019-2162
Colorado River Water Conservation District	Basin Roundtable Technical Study on Colorado River Risk Response Options - Phase	3/23/2017	POGG1 2017-878

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.
Under the state constitution, TABOR limits the amount of state grants received into our Enterprise fund, to no more than 10% of annual revenue. Accepting more than 10% of annual revenue in the form of grants would jeopardize the River District Enterprise's standing. River District TABOR capacity is currently projected to be sufficient to accept funds for this grant but that status could change.

Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	1/24/2019
Water Activity Name:	Yampa Integrated Water Management Project
Grant Recipient:	Colorado River Water Conservation District
Funding Source:	WSRF: Yampa White Green Basin Funds
<p>Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.</p> <p>The Yampa/White/Green Basin Roundtable (BRT) is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental and recreational users, as expressed in the 2015 Basin Implementation Plan and its eight goals. The BRT continued planning efforts by creating a sophisticated hydrology model of the Yampa and White river systems.</p> <p>This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals. It was crafted through extensive stakeholder outreach in 2018 to assess local support, including:</p> <ul style="list-style-type: none"> • Consensus Building Institute, Inc. performed one-on-one interviews with approximately 40 major stakeholders and BRT members, • Community Agricultural Alliance engaged over 100 agricultural producers in small group meetings, • Wilson Water Group interviewed Division Engineer staff, and • River Network facilitated three workshops for BRT members and interested citizens. <p>This project charts a path forward for the BRT to progress on BIP goals while also building relationships with water users in the basin and responding to their needs; both were key needs found in the scoping process. It will identify actions that users can take to protect existing and future water uses in the Yampa River basin and support healthy river ecosystems in the face of growing population, changing land uses and climate uncertainty.</p>	



Last Update: January 9, 2018

Objectives: (List the objectives of the project)

FIGURE 2: TASK SUMMARY	OBJECTIVE	PHASING FOR THIS GRANT
Task 1 Project Oversight & Coordination	Create an adequate structure of oversight and coordination to organize the efforts of the BRT, stakeholders, and consultants.	All Segments
Task 2 Stakeholder Engagement	Better understand water users' needs to build working relationships. Using a "do no harm" ethic, stakeholders will determine types of projects that can achieve water user needs and identify geographic areas in each segment as "focus areas" for improved river health.	All Segments
Task 3 Demonstration Projects	Identify or implement demonstration projects or strategies that can make a positive difference for water users and/or river health. Use them to show early results and build support for the IWMP by stakeholders.	All Segments
Task 4 Assess Conditions & ID Gaps	Inventory existing data and organize into a framework. Identify and prioritize data gaps.	All Segments
Task 5 Perform Field Work	Conduct field assessments or other appropriate techniques to address data gaps in non-consumptive and consumptive uses for the focus areas in each segment.	Phase 1 Segments
Task 6 Final Conditions Assessment	Blend Task 4 and 5 data on ecosystem conditions and water user needs to establish a baseline, identify trends and assess risk to priority non-consumptive and consumptive uses.	Phase 1 Segments
Task 7 Issues Prioritization	Use the BIP goals and measurable outcomes, plus any additional criteria, to prioritize, rank and evaluate the issues found during the assessment process.	Phase 1 Segments
Task 8 Develop Action Plans	Rank and evaluate the feasibility and effectiveness of solutions, then develop action plans and funding options for implementation of high priority actions.	Phase 1 Segments



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 1 - Project Oversight and Coordination
Description of Task: The IWMP will be a multi-year effort that will require active oversight and contracting. Because the BRT is not a legal entity and has no paid staff, it needs support from its member organizations to apply for funds, hire contractors, and carry out the necessary work.
Method/Procedure: To implement the IWMP, the BRT recommends a team approach, and has defined a leadership structure. The Roundtable understands that a team structure is needed for efficient decision-making and carrying out tasks, but it retains the final approval of all consultants, methods, scopes of work and budgets.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) <ul style="list-style-type: none">• IWMP Committee Update on all BRT agendas• BRT minutes where votes are taken to proceed with scopes of work, budgets and final deliverables• At least quarterly IWMP Committee meetings, including agendas and minutes
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) <ul style="list-style-type: none">• BRT minutes where votes are taken to proceed with scopes of work, budgets and final deliverables



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2</u> – Grant Administration
Description of Task: The CRWCD will apply for, receive, and steward project funding. They will meet the reporting requirements of all funding entities, contract with needed consultants and handle all payment and invoicing.
Method/Procedure: <ul style="list-style-type: none">• Contract with the State of Colorado for grant funds• Provide quarterly financial statements to IWMP Committee• Issue invoices and pay receivables• Provide State of Colorado with grant reports at required intervals• Contract with needed consultants and contractors• Issue all required tax forms and documentation to contractors
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) <ul style="list-style-type: none">• Quarterly financial reports to IWMP Committee
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) <ul style="list-style-type: none">• Copies of all invoices/contracts as part of quarterly billing• Progress reports every 6 months, including financial statements• Final report



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 3 - Stakeholder Engagement
Description of Task:
<p>Stakeholder engagement is the most important factor to successful IWMPs. Stakeholder engagement is needed to understand water users' needs and values, identify priority locations or issues in each segment to help guide characterization (Task 5) and additional data collection (Task 6), and to vet possible actions (Tasks 4 and 9).</p> <p>Progress on this task has already started through initial scoping interviews, summarized in memos on www.yampawwhitegreen.com. The following priority issues and areas of concern have already been identified:</p> <ul style="list-style-type: none">• Water users desire education on the prior appropriation system, maintaining water rights, and opportunities to better protect their rights• Stakeholders raised questions regarding late season irrigation return flows and the need for more science to investigate the quantity, timing and benefits to the river system• Opportunities for irrigation structure improvement exist throughout the four segments• Additional stakeholder engagement is needed to build trust with the agricultural community and to overcome distrust of government agencies and outside groups• Opportunities for river recreation amenities and river restoration activities within the Town of Oak Creek and the City of Craig• Education and deeper involvement in the Endangered Fish Recovery Program
Method/Procedure:
<p>Subtask 3.1 - Stakeholder Engagement Plans</p> <p>All four segments will have their own stakeholder engagement plans that reflects the values, customs and desired outcomes of local residents. The Engagement Plans will lay out a process for two-way communication to ensure local input helps identify concerns, prioritize data needs and vet actions.</p> <p>Engagement Plans are the primary responsibility of the Segment Coordinators. The plans will be collaboratively crafted by the Stakeholder Outreach Team and the Segment Coordinators. Most implementation will be done by the Segment Coordinators, with input and guidance from the Stakeholder Outreach Team as needed.</p> <p>It is anticipated that the Phase 1 segments will each require extensive one-on-one outreach to stakeholders, six small group meetings, and four public meetings/field trips</p>



Last Update: January 9, 2018

Tasks
<p>for demonstration projects over the 3 year period. At least a 50 percent FTE in each of the two segments is recommended. Phase 2 segments will require less one-on-one outreach to stakeholders due to fewer needs for data collection and reporting. They will each require approximately four small group meetings/field trips, and two public meetings. At least a 25 percent FTE in each of the two segments is recommended.</p> <p>Subtask 3.2 - Water Rights Education</p> <p>A common theme from scoping interviews is the need for additional education for water users on the prior appropriation system, the value of a water right, and maintaining a water right. Subtask 3.2 will be written into the Task 3.1 Engagement Plans, but is outlined separately here.</p> <p>The Technical Team and Stakeholder Outreach Team will partner with the Division Engineer's Office to develop educational programs for agricultural water users. While much of this material already exists, it will be customized for the Yampa River. The Segment Coordinators will work with the Stakeholder Outreach Team to set up small coffee-shop meetings and one-on-one conversations with irrigators. These meetings will not address questions about individual water rights.</p> <p>The educational material will cover:</p> <ul style="list-style-type: none">• A brief overview of the prior appropriation system• How water rights are valued (using agriculture to municipal transfers as a case study)• How water rights are maintained (diverting water to beneficial use) and the need for measurement devices and how they benefit the water user• The requirements for requesting a call on the river• How the division staff administers a call• How the Colorado River Basin Drought Contingency Plan may unfold
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>3.1 Deliverables</p> <ul style="list-style-type: none">• Stakeholder engagement plans for each segment, approved by the BRT• Summary of interviews, group meetings, and public meetings• Guidance to Technical Team on priority issues, geographic areas of concern, and desired actions. <p>3.2 Deliverables</p> <ul style="list-style-type: none">• Educational material developed by the Technical Team and Stakeholder Outreach Team and vetted by the Division Engineer• Summary of meeting participation



Last Update: January 9, 2018

Tasks
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<ul style="list-style-type: none">• Stakeholder engagement plans for each segment, approved by the BRT• Educational material developed by the Technical Team and Stakeholder Outreach Team and vetted by the Division Engineer



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 4 - Identify and Implement Demonstration Projects and Case Studies
Description of Task:
<p>Some stakeholders expressed frustration with long planning processes and few actions to show for it. The use of demonstration projects is one way to provide education on successful strategies and projects. It also allows the IWMP Committee to show progress to stakeholders and build trust in the IWMP process.</p>
Method/Procedure:
<p>The Segment Coordinators, Technical Team, and Stakeholder Outreach Team will work together to identify recently completed or on-going projects that address priority issues. The goal is to identify or implement at least one demonstration project per priority issue. The demonstration projects and case studies are not intended to be segment specific. Indeed, some of the most compelling case studies may be found outside the Yampa Basin.</p> <p>These demonstration projects may be engineering solutions, such as innovations to headgate design, stream channel reconfiguration, or wetland restoration. They may also be case studies of strategies to improve recreational access, integrated storage, alternative water transfer methods, or successful approaches to endangered fish recovery. The demonstration projects may also be “what-if” modeling scenarios to look at alternative reservoir operations or changes in irrigation efficiency.</p> <p>Some demonstration projects ideas brought forward during scoping include Elkhead Creek sedimentation restoration (ongoing by TU), Woolery Ditch diversion rehabilitation to mitigate risk to recreation (new project), and campground development in Little Yampa Canyon (ongoing by BLM & FOTY). The short-list of physical demonstration projects, case studies, and modeling scenarios will be presented to the IWMP Committee, who will select the final demonstrations. The teams will work together to educate stakeholders through tours or workshops.</p> <p>If the desire is to build a demonstration project for the IWMP, the Segment Coordinators will identify local projects with high stakeholder interest that can be implemented within</p>

Last Update: January 9, 2018

Tasks
<p>the project timeline. The Segment Coordinators will be responsible for finding funding. The Technical Team will recommend appropriate technical professionals who can provide detailed drawings and cost estimates that meet all federal and state permitting requirements.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p>
<ul style="list-style-type: none"> • List of recommended demonstration projects, case studies, and modeling scenarios • Materials developed to support the tours or workshops • Stakeholder feedback from the tours or workshops and/or tours • A “lessons learned” document to guide the selection of future action plans in Task 9.
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p>
<p>List of recommended demonstration projects, case studies, and modeling scenarios</p>

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 5 - Assess Existing Conditions and Identify Information Gaps
Description of Task:
<p>To understand the range of actions available to Yampa Basin stakeholders, an understanding of the physical and legal conditions must be developed. This task begins to address physical conditions of the Yampa Basin and explores the legal framework of water administration.</p> <p>A wealth of scientific and technical information already exists for the Yampa River, although much of it is at a basin-wide scale. Scoping interviews identified many reach-scale (as opposed to basin-scale) opportunities for the IWMP. Examples include river restoration projects to improve fisheries or recreational amenities, headgate improvements and measuring device installation, reservoir repairs and bank erosion control. Using these ideas as a filter, The Nature Conservancy performed an initial data inventory and gap assessment. It recommends further reach-scale, targeted data collection to identify project options. This task will build on TNC's initial data inventory to develop an information gap analysis, prioritize those gaps, and recommend a range of methodologies to address priority gaps in each segment.</p>
Method/Procedure:
<p><u>Subtask 5.1 - Organize Existing Information and Characterize Conditions</u></p> <p>This project seeks to integrate information on a number of variables to identify strategies that meet multiple needs. These variables include ecosystem variables such as fisheries health, hydrology, riparian condition, etc. They also include the delivery of goods and services to communities such as adequate irrigation water, flood attenuation, bank stability near infrastructure, etc. Several frameworks exist to organize existing information into a format that can facilitate characterization and prioritization. The Colorado Basin Roundtable's document <i>Integrated Water Management Planning in the Colorado River Basin</i> (June 2018) lays out 22 variables to consider in this process, and is one such framework to consider.</p> <p>The IWMP Committee and Technical Team will work together to select a framework that will be used to communicate available information to stakeholders. Building off the work performed by TNC during the scoping process, the Technical Team will perform a literature review for scientific and engineering studies looking back 25 years and collect relevant datasets. Additionally, the Technical Team will collect information on population</p>

Last Update: January 9, 2018

Tasks
<p>growth, land use change, and climate condition for the past 25 years. The Technical Team will then organize existing information on an array of consumptive and environmental/ recreational variables into the framework's format and initially characterize existing conditions.</p> <p>Subtask 5.2 - Identify Priority Gaps and Recommend Methods</p> <p>Task 4.2 will identify knowledge gaps that limit the ability to characterize important consumptive and environmental/recreational variables at a reach scale. This information will be combined with stakeholder input to identify the most important data gaps to fill.</p> <p>Using the data inventory and characterization from Task 5.1, as well as stakeholder input from Task 3.1, the IWMP Committee will identify priority data gaps to be filled in all four segments. The Technical Team will develop a recommendation on a range of methodologies best suited for addressing the gaps in each segment. The IWMP Committee will combine this information with stakeholder input in Task 3 to develop a recommendation for the BRT on which segments should proceed, and which segments are in Phase 2. Several local organizations have offered their expertise to develop the methodologies and perform the needed field work, and their work will supplement that of hired consultants on the Technical Team.</p> <p>Subtask 5.3 - Legal Framework Assessment</p> <p>Prior stakeholder outreach identified both the need for water administration education (Task 3.2) and better understanding of the legal constraints and potential flexibility.</p> <p>The Technical Team will document the legal framework that governs water administration in the Yampa Basin. The Technical Team will collaborate with the Segment Coordinators to identify specific concerns or ideas from the stakeholders. The Technical Team will review administrative protocols published by the State of Colorado and interview the Division Engineer. The Technical Team will work with the Colorado Water Trust to identify potential strategies that could be adopted more widely in the Yampa Basin.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p>
<p>5.1 Deliverables</p> <ul style="list-style-type: none"> • Inventory of existing information organized into selected framework format • Technical memo that initially characterizes existing conditions on an array of consumptive and environmental/recreational variables



Last Update: January 9, 2018

Tasks

5.2 Deliverables

- Memo from IWMP Committee that identifies priority data gaps in all four segments
- Memo from Technical Team that recommends methodologies and costs to fill data gaps with additional field work
- Recommendation from IWMP Committee to the BRT on which segments proceed with Tasks 6-9 and which are in Phase 2.
- BRT vote to proceed with segments as recommended, or another plan

5.3 Deliverables

- Technical memo on the legal framework governing the Yampa Basin
- Identify potential strategies and options for flexibility

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

- Technical memo that initially characterizes existing conditions on an array of consumptive and environmental/recreational variables
- Memo from Technical Team that recommends methodologies and costs to fill data gaps with additional field work
- Technical memo on the legal framework governing the Yampa Basin



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 6 - Perform Field Assessments and Model Refinements
Description of Task:
<p>In this task, the Technical Team will perform the field work needed to fill data gaps identified in Task 5. In addition to those gaps, prior work by the BRT identified the need to conduct an agricultural infrastructure inventory and StateMod refinements. This task will involve a combination of field surveys, models or other appropriate techniques to address data gaps.</p>
Method/Procedure:
<p>Subtask 6.1 - Field Assessments</p> <p>This task will involve collection of field data in Phase 1 segments only to fill data gaps identified in Task 5. Potential field assessments include macroinvertebrate surveys, riparian corridor mapping, recreation infrastructure surveys, return flow studies, etc.</p> <p>The Technical Team will use the stakeholder identified focused areas and the IWMP Committee memo on data gaps (Task 5.2) to generate a preliminary list of assessment locations. The preliminary list will be vetted by the Segment Coordinators, and they will perform outreach with landowners to assess their willingness to allow access for field surveys. Where access is granted, the Technical Team will undertake the necessary data collection. It is anticipated that the field investigations will be completed in a maximum of two field seasons.</p> <p>Subtask 6.2 - Agricultural Infrastructure Current Conditions Inventory</p> <p>Stakeholders have been clear that agricultural infrastructure is in need of improvement, but there is limited documentation about specific needs. This task will perform an inventory of agricultural infrastructure in all four segments to document local needs. The assessment will focus on concentrated areas of high-leverage agricultural infrastructure.</p> <p>The BRT understands that inventories of agricultural infrastructure can be sensitive information. Therefore, this task will be funded by private sources so that the IWMP Committee can determine how much information to make available to the public.</p>



Last Update: January 9, 2018

Tasks

The Technical Team will conduct site visits on a maximum of 50 river structures in all segments. The structures will be selected based on the relative size of current diversions, input from the IWMP Committee, Segment Coordinators, and water commissioners. The goal is to identify those structures with the highest potential for improvement that could generate positive impacts for the river. The Technical Team will work with the Segment Coordinators to get permission to access private property. If permission is not granted, the structure will not be included in the inventory. The site visit will be a field inspection of the river headgate, ditch conditions, and measurement device. If no measurement device is present, the assessment will note the ditch conditions immediately adjacent to the river and the need for a measurement device. The site visit will inventory and assess:

- Type of control structure at the headgate
- Type of measurement device and level of functionality
- Overall structural integrity and diversion functionality
- Ability of the structure to divert a wide range of flows
- Apparent deficiencies that may negatively affect fish habitat
- Apparent deficiencies that may negatively affect recreational boating

Subtask 6.3 - StateMod Refinement

The BRT has spent considerable effort refining the State of Colorado's Yampa River Basin StateMod model. The model currently represents major municipalities, industrial users, and irrigation structures with at least 5 cfs of total water rights. Smaller structures that are important to the administration conditions in the basin are also represented. The remaining small structures are grouped together by watershed area and represented at a common demand location in the model. The model runs on either a monthly or a daily time step, which is required for assessing most environmental and recreational needs. The irrigated acreage to water right assignment is critical to the model operations.

The Technical Team, with input from Division Engineer Staff, will evaluate the State of Colorado irrigated acreage GIS coverage to determine if any corrections or refinements need to be made. It is not anticipated that large-scale overhauls of the irrigated acreage assignments will be necessary.

A targeted approach to refining the spatial resolution of StateMod will be undertaken by the Technical Team. Priority areas identified in Tasks 3 and 5 that are not modeled with sufficient resolution will be refined. If diversion records must be estimated, the modelers



Last Update: January 9, 2018

Tasks
<p>can work with the stakeholders to understand typical irrigation practices to inform estimation techniques. The Technical Team will evaluate the need for including smaller reservoirs, which have previously been excluded due to limited storage data, but may be important on a local reach level.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p><i>6.1 Deliverables</i></p> <ul style="list-style-type: none">• Final list of assessment locations and methodology• Technical memo(s) summarizing findings <p><i>6.2 Deliverables</i></p> <ul style="list-style-type: none">• Memo documenting the site visits, including maps and photographs of structures and findings from the field inspection. The Technical Team will provide their professional opinion about the likelihood of infrastructure improvement have a significant impact on diversion efficiency and/or river health to help with prioritization of recommendations.• GIS layers of the infrastructure assessed <p><i>6.3 Deliverables</i></p> <ul style="list-style-type: none">• GIS layers of updated irrigated acreage (if any)• Technical memo documenting StateMod refinements• StateMod model input and output files
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<ul style="list-style-type: none">• Technical memo(s) summarizing field assessment findings• Memo documenting the irrigation infrastructure site visits, including maps and photographs of structures and findings from the field inspection.• Technical memo documenting StateMod refinements



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 7 - Final Conditions Assessment
Description of Task: <p>This task will consider the technical information gathered under Tasks 5 and 6 and build on it by incorporating results from future conditions modeling. The framework selected in Task 5 will be used to synthesize information on ecosystem conditions and delivery of important services to communities, such as water supply to consumptive uses and stream flow conditions to support recreational opportunities. The modeling will provide information about possible trajectories for the basin. The Technical Team will offer their professional opinions on possible system stressors in high priority areas. This assessment will be presented in a technical memo to the IWMP Committee and offer both a snapshot of conditions today, as well as how they might change into the future. How much effort is spent on an individual variable will depend upon its importance to stakeholders, with locally important variables having a deeper focus.</p>
Method/Procedure: <p>Subtask 7.1 - Future Conditions Modeling</p> <p>Based on the feedback collected from the stakeholders by the Segment Coordinators, the Technical Team will develop three StateMod model scenarios to explore alternative visions of the future. This may include scenarios with higher population, a conversion from production agriculture to ranchettes, or hydrology under climate change. The results from StateMod will be presented based on the framework selected in Task 5.</p> <p>Subtask 7.2 - Conditions Assessment Report</p> <p>The Technical Team will create a report documenting the results of Tasks 5, 6 and 7. This report will include the framework results for the assessment locations in each segment and incorporate information from each technical memo. The Technical Team will provide the information in a variety of formats, including graphs, figures, maps, and detailed explanations.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>7.1 Deliverables</p> <ul style="list-style-type: none">Modeling results will be incorporated into the framework



Last Update: January 9, 2018

Tasks

7.2 Deliverables

- Comprehensive report summarizing the results of the conditions assessment, identifying trends, probable drivers and stressors of environmental conditions
- GIS layers to facilitate decision-making by stakeholders and IWMP Committee.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

- Comprehensive report summarizing the results of the conditions assessment, identifying trends, probable drivers and stressors of environmental conditions

Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 8 - Develop Decision-Making Criteria
Description of Task:
<p>A key component of an IWMP is prioritizing issues found during the assessment process and identifying how to quantify progress. To this end, the IWMP Committee will select decision making criteria that will be used to prioritize, rank and evaluate the issues found during the assessment process, as well as the feasibility and effectiveness of solutions. The Basin Implementation Plan goals and measurable outcomes are a logical starting point for these criteria, and will be added to through stakeholder input tasks.</p>
Method/Procedure:
<p>Selecting the decision-making criteria will be facilitated by the Project Coordinator and the Technical Team. The metrics selected by the IWMP Committee should reflect the priority issues and areas defined by the stakeholders in Task 3 and provide a level of consistency across the segments. By defining measurable objectives, the IWMP Committee will provide a meaningful set of standards to guide the selection of demonstration projects or case studies in Task 4 and determine how future actions will be prioritized in Task 9.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<ul style="list-style-type: none"> Summary of the decision-making criteria and how it will be applied to evaluate demonstration projects, case studies and future actions, approved by BRT.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<ul style="list-style-type: none"> Summary of the decision-making criteria and how it will be applied to evaluate demonstration projects, case studies and future actions, approved by BRT.



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
Task 9 - Develop and Prioritize Action Plans
Description of Task: Working with stakeholders, the IWMP Committee and all other team members will brainstorm and compile potential options to make measurable progress on the priority issues. The document will outline, for each option, the level of feasibility and return on investment and provide a grade that balances all of these.
Method/Procedure: The IWMP Committee will prioritize the options list using additional criteria, including feedback from the demonstration projects and decision-making criteria developed in Task 8. The list of options for each segment will include a project description, a time line, a budget, and a lead agency. The IWMP Committee will provide their findings to the BRT and will coordinate with the identified lead agencies on beginning to implement the high priority, short-time line projects.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) <ul style="list-style-type: none">• Initial list of options with a grade• Prioritized action plans , approved by BRT
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) <ul style="list-style-type: none">• Prioritized action plans , approved by BRT



Last Update: January 9, 2018

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: 1/24/2019

Water Activity Name: Yampa Integrated Water Management Project

Grantee Name: Colorado River Water Conservation District

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
<u>1</u>	Project Oversight and Coordination	Jun-19	Jun-22	\$ 82,425	\$ 2,750	\$ 85,175
<u>2</u>	Grant Administration	Jun-19	Jun-22	\$ 27,951	\$ 22,524	\$ 50,475
<u>3</u>	Stakeholder Engagement	Jun-19	Jun-22	\$ 136,880	\$ 75,250	\$ 212,130
<u>4</u>	Identify and Implement Demonstration Projects and Case Studies	Nov-19	Sep-20	\$ 14,750	\$ 15,000	\$ 29,750
<u>5</u>	Assess Existing Conditions and Identify Information Gaps	Nov-19	Sep-20	\$ 37,480		\$ 37,480
<u>6</u>	Perform Field Assessment and Model Refinement	Jun-19	Oct-21	\$ 155,954	\$ 24,000	\$ 179,954
<u>7</u>	Final Conditions Assessment	Jun-20	Mar-21	\$ 30,060	\$ 15,000	\$ 45,060
<u>8</u>	Develop Decision Making Criteria	Jun-19	Mar-20	\$ 15,300		\$ 15,300
<u>9</u>	Develop and Prioritize Action Plans	Jun-21	Jun-22	\$ 27,200		\$ 27,200
						\$ -
						\$ -
						\$ -
						\$ -
Total				\$ 528,000	\$ 154,524	\$ 682,524

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

• Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

• NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

• Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.



Brian Hodge, Northwest Colorado Director

October 30, 2018

Chris Sturm
Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

Dear Mr. Sturm:

I write to on behalf of Trout Unlimited to express our support for The Yampa-White-Green Basin Roundtable's (BRT) Yampa River Integrated Water Management Planning (IWMP) grant request to the CWCBC's Stream Management Plan grant program.

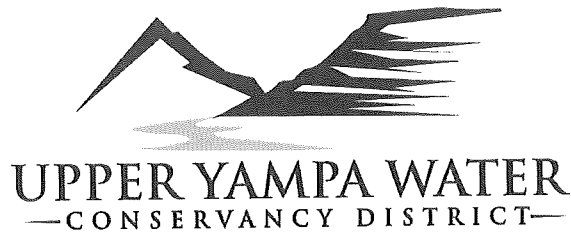
The Yampa-White-Green Basin Roundtable is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental, and recreational users, as expressed in the 2015 Basin Implementation Plan (BIP) and eight goals therein. Like all other Basin Roundtables, the Yampa-White-Green was legislatively created and funded to facilitate discussions on water management and encourage locally-driven collaborative solutions. This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals.

Trout Unlimited has been involved in the scoping process for the IWMP and we are most encouraged by the integration of consumptive and non-consumptive needs in the planning process. We are also encouraged by local interest in the concept of an IWMP. Trout Unlimited has already pledged to contribute both cash (\$15,000) and staff time (i.e., in-kind; \$18,000) towards the process.

Thank you for your time and consideration.

Sincerely,

Brian Hodge



October 2, 2018

Chris Strum
Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203

Dear Chris Strum,

The Upper Yampa Water Conservancy District (UYWCD) is writing in support of the Yampa/White/Green Basin Roundtable (BRT) Yampa River Integrated Water Management Planning (IWMP) grant request to the Colorado Water Conservation Board's Stream Management Plan grant program.

The Yampa/White/Green Basin Roundtable is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental and recreational users, as expressed in the 2015 Basin Implementation Plan (BIP) and its eight goals. Like all nine Basin Roundtables, the Yampa/White/Green Basin Roundtable was legislatively created and funded to facilitate discussions on water management and encourage locally-driven collaborative solutions. This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals.

The UYWCD has been involved in the Roundtable process, development of the BIP, and the IWMP since their inception. Importantly, the UYWCD has been, and will continue to be, a leader in the water resource management within its boundaries. We are most encouraged about the IWMP being a continuation of the work the Roundtable has done in its BIP and identifying IPP's to address them. Integration of water management efforts has been important to the Roundtable as evidenced by the goal to "develop an integrated system of water use, storage, administration, and delivery..." The UYWCD will continue its involvement with this important planning process.

Please do not hesitate to contact me with any questions and thank you for your consideration of this request.

Sincerely,

Kevin McBride, P.E.
General Manager
Upper Yampa Water Conservancy District
P.O. Box 775529
Steamboat Springs, CO 80477
kmcbride@upperyampawater.com
970-871-1035

Mailing Address
P.O. Box 775529
Steamboat Springs, CO 80477-5529

Location
Fish Creek Filtration Plant
3310 Clear Water Trail

Telephone
(970) 871-1035
Fax (888) 519-3464

October 26, 2018

Chris Sturm
Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203

Dear Chris and CWCB Members,

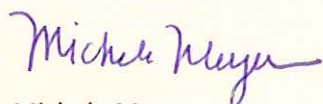
On behalf of Community Agriculture Alliance, I am writing to express our support for the Yampa/White/Green Basin Roundtable (BRT) Yampa River Integrated Water Management Planning (IWMP) grant request to the Colorado Water Conservation Board's Stream Management Plan grant program.

The Yampa/White/Green Basin Roundtable is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental and recreational users, as expressed in the 2015 Basin Implementation Plan (BIP) and its eight goals. Like all nine Basin Roundtables, the Yampa, White, Green was legislatively created and funded to facilitate discussions on water management and encourage locally-driven collaborative solutions. This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals.

Community Agriculture Alliance (CAA) has worked in partnership with YWG BRT for several years and serves as the liaison and fiscal agent for the Public Education Participation and Outreach Committee. As a local nonprofit organization, CAA's strength is our connection to local agriculture. Since 1999, CAA has worked to promote and support ag in the Yampa River Valley. As a part of the scoping process for this grant application CAA conducted a series of stakeholder meetings seeking feedback and input from agriculture water users in the region. We heard directly from our ag producers that there is a need for improved coordination, education and communication. CAA is committed to providing resources and connections for agriculture, especially as it related to water. We cannot do this work alone and are proud to partner with the YWG BRT on their goals and as a part of this grant program. CAA will provide in-kind support for the IWMP process with staff time dedicated to connecting with local agriculture water users.

Please do not hesitate to contact me with questions. Thank you for your consideration of this request. It will truly make a difference in the NW Colorado community.

Sincerely,



Michele Meyer
Executive Director, Community Ag Alliance



community
agriculture
alliance

BOARD OF DIRECTORS

Ryan Wattles, Co-chair
Lore Marvin, Co-chair
Kent Sandstedt, Secretary
Bill Badaracca, Treasurer
Greg Brown
Adele Carlson
Patrick Chrisman
Donna Mae Hoots
Jenna Keller
Joella West
Shiloh Whaley

ADVISORS

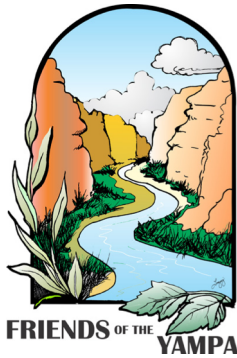
Carol Atha
Jody Camilletti
Jia Carroll
Becky Damon
Mark Goldman
Christina Gumbiner
Cari Hermacinski
Jeannie Maneotis
Ren Martyn
Kris Middledorf
Erika Murphy
Whitney Neelis
Raylene Olinger
Kelly Romero-Heaney
Erik Taylor
Rich Tremaine

STAFF

Michele Meyer
Patrick Stanko
Tiffany Carlson

Community Agriculture Alliance
141 Ninth Street
PO Box 774134
Steamboat Springs, CO 80477
970.879.4370

www.communityagalliance.org



Friends of the Yampa

www.friendsoftheyampa.com

PO Box 771654, Steamboat Springs, CO 80477

Mission: To protect and enhance the environmental and recreational integrity of the Yampa River and its tributaries thru stewardship, advocacy, education and partnerships.

October 25, 2018

Attn: Chris Sturm
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

RE: Letter of Support for the Yampa River Integrated Water Management Planning grant

Hello Chris,

We at Friends of the Yampa (FOTY) are writing in support of the Yampa/White/Green Basin Roundtable's Yampa River Integrated Water Management Planning (IWMP) grant request to the Colorado Water Conservation Board's Stream Management Plan grant program.

As you know, our roundtable and FOTY are committed to protecting and enhancing the Yampa River for all its major water uses. Our existing planning efforts via the roundtable have done a great job in laying the foundation for this future IWMP process to be a major success for this basin.

FOTY has been involved in this IWMP process from the beginning through my representation on the roundtable and our board members and our Friends helping to support this IWMP process. FOTY is committed to continue to be a partner in this process and have allocated future in-kind time to help involve the recreational and environmental community around this process. We feel that FOTY can also help bring together and share our commonalities with the agriculture community, and other water users, so that this future IWMP will be a gateway for win-win projects for all.

Let me know if you need anything else from FOTY. Call me to chat about this and any other Yampa basin related needs.

Sincerely yours,

Kent Vertrees
President
Friends of the Yampa
970-846-7933

October 29, 2018
Chris Sturm
Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203

Dear Chris Sturm,

I am writing on behalf of The Nature Conservancy in support of the Yampa/White/Green Basin Roundtable (BRT) Yampa River Integrated Water Management Planning (IWMP) grant request to the Colorado Water Conservation Board's Stream Management Plan grant program.

The Yampa/White/Green Basin Roundtable is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental and recreational users, as expressed in the 2015 Basin Implementation Plan (BIP) and its eight goals. Like all nine Basin Roundtables, the Yampa, White, Green was legislatively created and funded to facilitate discussions on water management and encourage locally-driven collaborative solutions. This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals.

The Nature Conservancy has been involved in the scoping process in 2018. We see the IWMP by the Basin Roundtable as a grass roots commitment to examine and address environmental/Recreational flow needs in concert with meeting all other water needs that are important to people. My organization has contributed financially to the early scoping and will continue to provide ongoing support of this planning process.

Please do not hesitate to contact me with any questions, and thank you for your consideration of this request.

Sincerely,



Geoff Blakeslee
Yampa River Project Director
The Nature Conservancy



Brian Hodge, Northwest Colorado Director

October 30, 2018

Chris Sturm
Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

Dear Mr. Sturm:

I write to on behalf of Trout Unlimited to express our support for The Yampa-White-Green Basin Roundtable's (BRT) Yampa River Integrated Water Management Planning (IWMP) grant request to the CWCBC's Stream Management Plan grant program.

The Yampa-White-Green Basin Roundtable is committed to protecting and enhancing the Yampa River for agricultural, municipal, industrial, environmental, and recreational users, as expressed in the 2015 Basin Implementation Plan (BIP) and eight goals therein. Like all other Basin Roundtables, the Yampa-White-Green was legislatively created and funded to facilitate discussions on water management and encourage locally-driven collaborative solutions. This IWMP scope of work provides a roadmap to collaboratively identify and support actions that help implement the basin goals.

Trout Unlimited has been involved in the scoping process for the IWMP and we are most encouraged by the integration of consumptive and non-consumptive needs in the planning process. We are also encouraged by local interest in the concept of an IWMP. Trout Unlimited has already pledged to contribute both cash and staff time (i.e., in-kind) towards the planning process.

Thank you for your time and consideration.

Sincerely,

Brian Hodge