

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 15-16, 2021
Agenda Item 21(b)**

Applicant & Grantee: The Nature Conservancy

Water Activity Name: Maybell Diversion and Headgate Project Telemetry

Water Activity Purpose: Agricultural, and Nonconsumptive (Environmental & Recreational) - Implementation

County: Moffat

Drainage Basin: Yampa River Basin

Water Source: Yampa River

Amount Requested: \$34,000 Yampa-White-Green Basin Account
\$66,000 Statewide Account
 \$100,000 Total Request

Matching Funds: **Basin Account Match = \$34,000**

- 51.5% of statewide request (meets 10% min)

Applicant & 3rd Party Match = \$34,000 (cash)

- 51.5% of the statewide request (meets 10% min)

Total Match (Basin request & Applicant Match) = \$68,000

- 103% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$34,000 from the Yampa/White/Green Basin Account and \$66,000 from the Statewide Account to help fund the project: Maybell Diversion and Headgate Project Telemetry

Water Activity Summary: If approved, WSRF funds will assist in purchasing of telemetry equipment as a critical component of updating and modernizing the Maybell irrigation diversion in the Lower Yampa. New remote transmission and receiving equipment will allow for easier operation and more precise control of irrigation water after many decades of disrepair.

The project will modernize irrigation infrastructure, increase agricultural efficiency, benefit designated critical habitat of four endangered fish (the Humpback chub, Bonytail, Colorado Pikeminnow, and the Razorback Sucker), and improve safety for recreational boaters.

Maybell Irrigation District diverts approximately 20,000 acre-feet annually to serve 18 producers and nearly 1,200 acres of hay pasture. This project will improve flows and habitat connectivity in at least 21 miles of the Yampa River and support the recovery of the four endangered fish while meeting water users' long-term irrigation needs. Partnerships between agricultural, environmental, and

recreational interests are critical to increasing resilience to drought and climate impacts for the local community, river recreationists, native fish, and the riparian corridor.

The entire project of rehabilitating the Maybell Diversion is estimated to cost \$2.9 million. CWCB has awarded \$73,000 of Yampa/White/Green Basin funding for the engineering and design of the headgate modernization efforts at the May 2019 CWCB Board Meeting. This phase of the project is scheduled to finish in December 2021.

Discussion: This project meets with several measureable outcomes in the Yampa-White-Green Basin Roundtable’s Basin Implementation Plan including: protecting and encouraging agricultural uses of water in the basin within the context of private property rights; improving agricultural water supplies to increase irrigated land and reduce shortages; quantify and protecting non-consumptive water uses; restore, maintaining and modernizing water storage and distribution infrastructure; developing an integrated system of water use, storage and administration and delivering water shortages and meeting environmental and recreational needs; and the providing for multiple beneficiaries.

Issues/Additional Needs: No other issues or 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 Sources/Match	Cash	In-Kind	Total	Status
The Nature Conservancy	\$34,000	\$0	\$34,000	Secured
Sub-Total	\$34,000	\$0	\$34,000	
WSRF Yampa/White/Green Basin Account	\$34,000	\$0	\$34,000	Secured
WSRF Statewide Account	\$66,000	\$0	\$66,000	
Sub-Total	\$100,000	\$0	\$100,000	
Total Project Costs	\$134,000	\$0	\$134,000	

CWCB Project Manager: TBD



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Colorado Water Conservation Board
Water Supply Reserve Fund
Grant Application

Instructions

All WSRF grant applications shall conform to the current [2020 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) **AND** the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.

If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:

<p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p>	<p>Sam Stein Sam.stein@state.co.us 303-866-3441(office)</p>
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WSRF Submittal Checklist (Required)

- YES NO This request was recommended for CWCB approval by the sponsoring roundtable.
- YES NO I have read and understand the [2020 WSRF Criteria and Guidelines](#).
- YES NO Grantee will be able to contract with CWCB using the [Standard Contract](#).¹

- Application Documents included:**
- YES NO Exhibit A: Statement of Work² (*Word – see Template*)
- YES NO Exhibit B: Budget & Schedule² (*Excel Spreadsheet – see Template*)
- YES NO Letters of Matching and/or Pending 3rd Party Commitments²
- YES NO Map²
- YES NO Photos/Drawings/Reports
- YES NO Letters of Support

- Contracting Documents³**
- YES NO Detailed/Itemized Budget³ (*Excel Spreadsheet – see Template*)
- YES NO Certificate of Insurance⁴ (*General, Auto, & Workers’ Comp.*)
- YES NO Certificate of Good Standing⁽⁴⁾
- YES NO W-9 Form⁴
- YES NO Independent Contractor Form⁴ (*If applicant is individual, not company/organization*)
- YES NO Electronic Funds Transfer (ETF) Form⁴

¹Click “Grant Agreements”. For reference only/do not fill out or submit/required for contracting
² Required with application if applicable.
³Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.
⁴ Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



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Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	October 1	Basin Account
March	December 1	Basin/Statewide Account/Water Plan Grant Match ¹
May	February 1	Basin Account
July	April 1	Basin Account
September	June 1	Basin/Statewide Account
November	August 1	Basin Account

¹ If either the basin or statewide match includes matching funds from a pending Water Plant Grant, both must be submitted by December 1st deadline for March Board meeting review.

Water Activity Summary	
Name of Applicant	The Nature Conservancy
Name of Water Activity	Maybell Diversion and Headgate Project Telemetry
Approving Roundtable(s)	Basin Account Request(s) ¹
Yampa-White-Green	34,000
Basin Account Request Subtotal	\$ 34,000
Basin Account Request Subtotal Approved by Roundtable	\$ 34,000
Statewide Account Request ⁽¹⁾	\$ 66,000
Total WSRF Funds Requested (Basin & Statewide)	\$ 100,000
Total Project Costs	\$ 134,000

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

Grantee and Applicant Information	
Name of Grantee(s)	The Nature Conservancy
Mailing Address	2424 Spruce Street, Boulder, CO 80302
FEIN	53-0242652
Grantee's Organization Contact ¹	Carlos Fernandez



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Grantee and Applicant Information	
Position/Title	Colorado State Director
Email	cfernandez@tnc.org
Phone	
Grantee Management Contact²	Jennifer Wellman
Position/Title	Freshwater Technical Project Manager
Email	jennifer.wellman@tnc.org
Phone	(505) 235-6280
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

¹ Person with signatory authority

² Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
The Nature Conservancy (TNC) is a District of Columbia, USA, non-profit corporation with its principal place of business in Arlington, Virginia, USA. Our mission is to conserve the lands and waters on which all life depends. TNC has offices across the U.S. and in over 79 countries and territories around the world. Since 1951, TNC has been working with communities to protect more than 125 million acres of land and 5,000 miles of rivers worldwide. The Colorado Field Office of TNC works with local agricultural communities to protect nature and livelihoods through improved land and water management.

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.



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Type of Eligible Entity (check one)	
X	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

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

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Moffat
Latitude	40.473116
Longitude	-107.991558

Water Activity Overview
<p>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.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.</p>



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Water Activity Overview

This Water Supply Reserve Fund (WSRF) grant will fund the purchase of telemetry equipment as a critical component of updating and modernizing the Maybell irrigation diversion in the Lower Yampa. New remote transmission and receiving equipment will allow for easier operation and more precise control of irrigation water after many decades of disrepair. WSRF funding will contribute \$100,000 and The Nature Conservancy will provide matching funding of \$34,000. The entire project of rehabilitating the Maybell Diversion is estimated to cost \$2.9 million. The project will modernize irrigation infrastructure, increase agricultural efficiency, benefit designated critical habitat of four endangered fish (the Humpback chub, Bonytail, Colorado Pikeminnow, and the Razorback Sucker), and improve safety for recreational boaters.

Maybell Irrigation District diverts approximately 20,000 acre-feet annually to serve 18 producers and nearly 1,200 acres of hay pasture. This project will improve flows and habitat connectivity in at least 21 miles of the Yampa River and support the recovery of the four endangered fish while meeting water users' long-term irrigation needs. Partnerships between agricultural, environmental, and recreational interests are critical to increasing resilience to drought and climate impacts for the local community, river recreationists, native fish, and the riparian corridor.

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)	
400	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
4	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved (linear feet)	
1	Other	Explain: Install telemetry and modernize irrigation infrastructure

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 [2020 WSRF Criteria and Guidelines](#)).



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Water Activity Justification

The Colorado Water Plan notes that "Implementation of a successful Upper Colorado River Endangered Fish Recovery Program is vital to ensuring protection of existing and future water uses." The Ecological Services Division of the U.S. Fish and Wildlife Service (Interior Regions 5 and 7 Regional Office) supports this project because of its potential to benefit streamflow conditions for the endangered fish during irrigation season.

The project will allow irrigators to more reliably utilize their full water right at the Maybell Ditch headgate, which may benefit flows through the Maybell reach and downstream. The project also benefits recreational interests, as noted above, making this a Tier 1 multi-purpose project according to the recently updated Basin Implementation Plan (IPP# YW-2020-0012). The project also addresses the Water Plan goal to "Update and Improve Colorado's Aging Agricultural Infrastructure." The Maybell irrigation diversion was built in 1896 and withdraws water through two broken and antiquated headgates -- modernizing this infrastructure will allow remote operation of the headgates and adjustment to meet actual irrigation and environmental needs.

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

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the [2020 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)



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Related Studies

This project relates to the following studies:

1. Maybell Ditch Diversion Rehabilitation and Headgate Modernization, final design and engineering, funded by CWCB (WPI & WSRF) and the Yampa-White-Green Basin Roundtable (In progress, 2020)
2. Maybell Diversion Assessment, Yampa-White-Green Basin Roundtable, Integrated Water Management Plan, August 2020.
3. Yampa-White-Green Basin Implementation Plan (BIP) update, Identified project and process (IPP#YW-2020-0012), November 2020 draft.
4. Environmental Assessment and Finding of No Significant Impact, US Bureau of Reclamation, Maybell Ditch Lining project, November 2019.

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

1. The Nature Conservancy, Maybell Ditch Diversion Structure Rehabilitation and Headgate Modernization final design, YWG, May 2019, POGG1 PDAA 202000002457, 4% CWCB funded.
2. The Nature Conservancy, Wines Ditch Design-Permit, SWCO, May 2019, POGG1 PDAA 202000002458.
3. The Nature Conservancy, Williams Ditch – Yampa River Irrigation Delivery and Habitat Enhancement Project, SCTF, CMS148816, April 2020 – December 2022.
4. The Nature Conservancy, Wines Ditch Evaluation, SWCO, May 2016, POGG1 PDAA 201700000494.
5. The Nature Conservancy, COWCB CDM SWSI TO 1, May 2016, 2015-009 TO 1.
6. The Nature Conservancy, Morgan Bottom SCTF, CTBDAA2017-2254, Oct. 2016 – June 2018

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.

TABOR does not apply to The Nature Conservancy as a non-governmental organization.

Maybell Irrigation District
P.O. Box 131
Maybell, CO. 81640

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

January 20, 2021

Dear CWCB Water Supply Reserve Fund grant reviewers,

On behalf of Maybell Irrigation District, I am writing in support of our partnership with The Nature Conservancy (TNC) to rehabilitate the diversion and replace the headgate on the Maybell Ditch. The current headgates have been out of alignment and difficult to operate for many years. TNC's proposal to the Yampa-White-Green Basin Roundtable (YWG BRT) showcases Maybell as one of the multi-benefit projects that benefit communities, recreators, and wildlife habitat on the river.

Over the past few years, Maybell Irrigation District has worked to improve our irrigation system by installing a waste gate, several check structures, and lined critical sections of our historic ditch with geomembrane material. We value the opportunity to submit a grant application to cover costs of telemetry as part of the larger diversion restoration project. New equipment to control the headgates will improve the efficiency and ease of irrigation while improving the Maybell reach of the Yampa River for boat passage and fish movement. Through these advances, the Maybell Irrigation District can better work with the river to control the amount of water diverted on a real-time basis – generating positive impacts for habitat along the Yampa River as well as benefiting the Maybell ditch irrigators.

Maybell Irrigation District will continue to provide contribution of our time and expertise to this project. This includes site visits, meeting attendance with contractors and technical staff, and project oversight. We understand the importance of working collaboratively in the basin and support this project as a Tier 1 priority in the Yampa-White-Green Roundtable's Basin Implementation Plan update in 2021.

We believe this project is a highlight for the Yampa Basin as it strengthens our commitment and collaboration on projects that generate benefits for irrigators, wildlife habitat and outdoor recreation. This project will serve as a model of protecting irrigation water security while benefiting the natural environment. We are grateful for the YWG BRT and CWCB's past support of this project and thank you for your consideration of our current proposal.

Mike Camblin


President

Maybell Irrigation District
PO Box 131
Maybell, CO 81640



Yampa-White-Green Basin Roundtable
c/o Colorado Water Conservation Board
Water Supply Planning Section
WSRF Application
1313 Sherman Street, Room 718
Denver, CO 80203

January 19, 2021

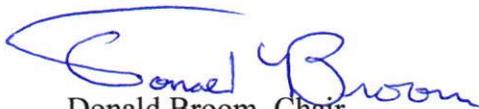
Dear Y-W-G Basin Roundtable WSRF Grant reviewers:

The Moffat County Commissioners offer our support of Maybell Irrigation District (MID) and The Nature Conservancy's (TNC) efforts to rehabilitate the diversion and replace the head gates on the Maybell Ditch. This project has been a priority in Moffat County for a long time as the current head gates are broken and large-scale repairs are needed to update the diversion. We are appreciative of TNC's proposal to jointly work with Maybell, Friends of the Yampa, the Recovery Program and the CWCB to improve the diversion and associated head gates.

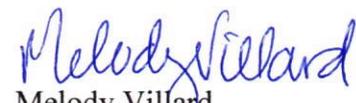
The Maybell Diversion Restoration and Head gate Modernization project is a prime example of the importance of working collaboratively in the basin with many agencies, organizations, and private entities. The project is a locally driven, multi-benefit project to protect water security and increase efficiency for agricultural producers on the Maybell Canal while benefiting the natural environment, recreation, and fish passage. Maybell has a vested, long-term commitment to agriculture and the environment as they are one of the oldest and largest water users on the Yampa.

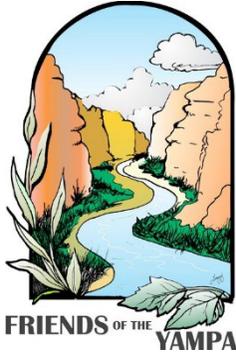
If you have any questions about Moffat County's support for the Maybell Diversion Restoration project, please contact any of the Moffat County Commissioners or our Natural Resources Director, Jeff Comstock, at the number listed below.

Respectfully,


Donald Broom, Chair
Commissioner District 3


Tony Bohrer
Commissioner District 1


Melody Villard
Commissioner District 2



Friends of the Yampa

PO Box 774703

Steamboat Springs, CO 80477

Yampa-White-Green Basin Roundtable
c/o Colorado Water Conservation Board
Water Supply Planning Section
WSRF Application
1313 Sherman Street, Room 718
Denver, CO 80203

January 19, 2021

Dear Yampa-White-Green Basin Roundtable WSRF Grant Committee,

On behalf of Friends of the Yampa (FOTY), we wholeheartedly support The Nature Conservancy's (TNC) proposal to improve the Maybell diversion and replace the headgate on the Maybell Ditch. We have partnered with TNC on this project from its onset three years ago and improvement to this structure is identified as a goal of our organization's strategic plan. It would be difficult to find a project in Colorado that better aligns with an objective to improve infrastructure and riverine habitat through a multi-benefit lens. Moreover, this project would address a *significant* safety concern created by the in-channel Maybell diversion structure that is in place today.

The current Maybell diversion presents a nearly impassable and, if unfamiliar with the area, surprising rapid due to its inconsistency with the relatively calm river surrounds. During high flows its spillway arrangement and flow spread presents confusing, dramatic, and scary conditions. The current head gate arrangement presents another hazard as the force of the river pushes toward the structure creating a potential issue for any user that finds itself in an unfortunate situation of being pulled toward it. In low water conditions a less forceful but similarly dangerous condition presents itself to river users in the form of jagged boulders and rubble formed at a diagonal to the river's path. Due to the safety issues present to river users and the private property that surrounds the diversion, recreationalists currently face the lose-lose situation of choosing to disregard their personal safety or illegally trespassing on the streambank to scout and, more often than not, portage the diversion. The current structure presents the most significant barrier to safe, passable recreation along the approximately 200-mile stretch of the Yampa River leading from the headwaters to Maybell and Cross Mountain. Improvement to the diversion structure will vastly improve river user safety and reduce private property trespass.

Your consideration is greatly appreciated to award a WSRF grant to purchase and install telemetry which will contribute to making the Maybell reach of the Yampa River safer for boating and better for fish passage. This project will generate positive impacts for endangered fish and other species in the Yampa River as well as benefiting downstream irrigators. FOTY believes this project fits well within Colorado Water Plan priorities. Specifically, the project will contribute to "Enhancement and restoration of hydrology and connectivity for native species including aquatic habitat restoration and fish barrier installation/removal".

We believe this project aligns with the Y-W-G Basin Roundtable's commitment to fund projects that generate benefits for agriculture, outdoor recreation, wildlife habitat, and endangered fish in the Yampa River. Additionally, it has strong potential to preserve water security for agricultural producers while benefiting the natural environment – both of which are goals of the Colorado Water Plan. It is with the utmost enthusiasm that we submit this letter of support for consideration of allocation of grant dollars toward this worthy cause. If you have any further questions about Friends of the Yampa or our support for this request, I can be reached at bensbeall@gmail.com. Thank you for your consideration of this important project.

Warmest Regards,

A handwritten signature in cursive script that reads "Ben Beall". The signature is written in black ink and has a long, horizontal flourish extending to the right.

Ben Beall
President, Friends of the Yampa
257 Spruce Street
Steamboat Springs, Colorado 80487

Friends of the Yampa's mission is to protect and enhance the environmental and recreational integrity of the Yampa River and its tributaries, through stewardship, advocacy, education and partnerships.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	January 20, 2021
Water Activity Name:	Maybell Diversion and Headgate Project Telemetry
Grant Recipient:	The Nature Conservancy
Funding Source:	Yampa-White-Green Basin Roundtable WSRF
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. (PLEASE DEFINE ALL ACRONYMS).)	
<p>This Water Supply Reserve Fund (WSRF) grant will fund the purchase of telemetry equipment as a critical component of updating and modernizing the Maybell irrigation diversion in the Lower Yampa. New remote transmission and receiving equipment will allow for easier operation and more precise control of irrigation water after many decades of disrepair. WSRF funding will contribute \$100,000 and The Nature Conservancy will provide matching funding of \$34,000. The entire project of rehabilitating the Maybell Diversion is estimated to cost \$2.9 million. The project will modernize irrigation infrastructure, increase agricultural efficiency, benefit designated critical habitat of four endangered fish (the Humpback chub, Bonytail, Colorado Pikeminnow, and the Razorback Sucker), and improve safety for recreational boaters.</p> <p>Maybell Irrigation District diverts approximately 20,000 acre-feet annually to serve 18 producers and nearly 1,200 acres of hay pasture. This project will improve flows and habitat connectivity in at least 21 miles of the Yampa River and support the recovery of the four endangered fish while meeting water users' long-term irrigation needs. Partnerships between agricultural, environmental, and recreational interests are critical to increasing resilience to drought and climate impacts for the local community, river recreationists, native fish, and the riparian corridor.</p>	



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<p>Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS)).</p> <p>Project Objectives:</p> <ol style="list-style-type: none"> 1) Increase the efficiency and operational flexibility of the Maybell irrigation diversion by installing new headgates; 2) Promote safety for recreational boaters at the Maybell diversion; 3) Improve ecological conditions for four endangered fish [Humpback chub, Bonytail, Colorado Pikeminnow, and Razorback Sucker] and other aquatic and riparian species; 4) Improve flows and habitat connectivity for at least 21 miles while meeting water users' long-term irrigation needs.

Tasks
<p>Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)</p>
<p>Task 1 - (Name) Purchase of telemetry equipment</p>
<p>Description of Task:</p> <p>The WSRF-funded elements of the larger project include the following:</p> <ol style="list-style-type: none"> 1. Determine recommended telemetry equipment from design engineering. 2. Meet with Maybell Irrigation District to discuss current measurement and equipment protocols. 3. Advise installation of headgate(s) and related equipment according to technical and geographic requirements (to be determined by project engineer and Maybell Irrigation District). 4. Prepare project area(s) in accordance with project earthwork plans and specifications 5. Coordinate project elements to mount headgate actuator, solar power, control integration at headgate 6. Supervise telemetry plan in partnership with MID and install at existing bypass and flume controls. Install radio repeater station (or other appropriate transmission/receiving device) for communication between diversion and bypass gates.
<p>Method/Procedure:</p>



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Tasks
<p>In early 2021, project partners and technical consultants are developing the final design, plans and specifications, and bid package for construction. The method/procedure(s) for this task will conform to engineering and design specifications (prepared by September 2021) for telemetry and automated headgates to allow remote control and monitoring.</p> <p>Construction drawings will include demolition, layout, sections, and component installation details as required. Detailed design of the headgate structure, the existing ramp flume, invert elevations, and headgate alignment will conform to the final plans and specifications, developed in partnership with the agricultural water users, recreational boating advisors, and fish passage experts.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p>
<p>Detailed report on the construction activities of the Maybell Diversion Rehabilitation and Headgate Modernization Project accomplished with the WSRF grant. The contents of this report will include:</p> <ol style="list-style-type: none"> 1. Summary of project and how the project was completed. 2. Description of obstacles encountered and how they were overcome or mitigated. 3. Confirmation that all matching commitments were fulfilled. 4. Photographs, summaries of meetings and engineering reports/designs.
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p>
<p>Same as above</p>

Budget and Schedule
<p>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.</p>

Reporting Requirements
<p>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.</p>
<p>Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:</p> <ul style="list-style-type: none"> • 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.



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Reporting Requirements

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 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.

