

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 16-17, 2020
Agenda Item 19(m)**

Applicant & Grantee: Morrison Consolidated Ditch Company

Water Activity Name: Railroad Siphon Replacement

Water Activity Purpose: Agricultural-Implementation

County: La Plata

Drainage Basin: Southwest

Water Source: Unknown

Amount Requested: \$25,000 Southwest Basin Account
\$33,875 Statewide Account
\$58,875 Total Request

Matching Funds: Basin Account Match = \$25,000

- 73% of statewide request (meets 10% min)

Applicant Match (cash) = \$19,625

- 57% of the statewide request (meets 10% min)

Total Match (Basin request & Applicant Match) = \$44,625

- 132% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$25,000 from the Southwest Basin Account, and up to \$33,875 from the Statewide Account to help fund the project: Railroad Siphon Replacement.

Water Activity Summary: WSRF Funds, if approved will assist the Morrison Consolidated Ditch Company replace an existing syphon located south of Oxford, CO. The syphon currently consists of two 24" pipes, one CMP, the other is concrete. It was found that the CMP pipe has several areas where the metal is getting thin and will cause major issues in the near future if not addressed. A contractor came to the site and recommended replacing both pipes with 200 feet of new 48" double walled pipe capable of carrying the current amount of water that the two pipes carry during irrigation season, plus carriage space for heavy rain events. The concrete structures on both ends of the syphon, as well the trash rack will be replaced. The syphon carries approximately 60 cfs of water when the ditch is running irrigation water. The grant funds would specifically be used for the construction, materials, and labor to replace the syphon, concrete structures, and trash rack. NRCS is assisting with survey and design of the syphon.

Discussion: This effort will assist the South West Basin Roundtable achieve several goals as called for in their Basin Implementation Plan, such as: Improve agricultural water supplies to reduce shortages; and Restore, maintain, and modernize critical water infrastructure, including hydropower, while also assisting Colorado achieve the goal of: Support Colorado's agricultural industry to make it more efficient, resilient, and able to reduce water consumption without impacting agricultural productivity as called for in Chapter 10 of Colorado's Water Plan.

Issues/Additional Needs: None.

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
Morrison Consolidated Ditch Company	\$19,625	\$0	\$19,625	Secured
Sub-total	\$19,625	\$0	\$19,625	
WSRF Southwest Basin Account	\$25,000	\$0	\$25,000	Secured
Sub-total	\$44,625	\$0	\$44,625	
WSRF Statewide Account	\$33,875	\$0	\$33,875	
Total Project Costs	\$78,500	\$0	\$78,500	

CWCB Project Manager: Craig Godbout

SOUTHWEST BASINS ROUNDTABLE

C/O La Plata Archuleta Water District

PO Box 1377

Ignacio, Colorado 81137

July 27, 2020

Mr. Craig Godbout
Water Supply Planning Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

RE: Morrison Consolidated Ditch Company Siphon Replacement
WSRF Grant Request

Dear Mr. Godbout,

The Southwest Basins Roundtable approved funding of \$25,000 from the Southwest Basins Roundtable account for the Morrison Consolidated Ditch Company's Railroad Siphon Replacement Project. In addition, we are recommending that the Colorado Water Conservation Board approve their request for \$33,875 from the Statewide account. This application was considered fully and approved by the Southwest Basins Roundtable at the July 23, 2020 meeting. There was a quorum of members present at the meeting.

This project replaces an aging two-barrel siphon that is in a deteriorating condition. The siphon provides irrigation water to irrigate approximately 6,000 acres of farm ground.

The proposed project falls under IPP 4-MB of the Southwest Basins Implementation Plan. It also meets a Measurable Goal or Outcome of the Southwest Basins BIP to Maintain Agricultural Water Needs.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-563-0320, etolen@laplawd.org, if you have questions or wish to discuss this application in more detail.

Sincerely,



Edward Tolen
Southwest Basins Roundtable Chair



Last Update: July 31, 2018

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 recommended for approval 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 WSRF Grant Program Manager (for all Roundtables):

Craig Godbout
craig.godbout@state.co.us
303-866-3441 x3210 (office)
303-547-8061 (cell)

WSRF Submittal Checklist (Required)

	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
	Map ⁽²⁾
	Photos/Drawings/Reports
	Letters of Support
Contracting Documents ⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
	Certificate of Good Standing ⁽⁴⁾
	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

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

(2) Required with application if applicable.

(3) Additional 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	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:	September 2020
Desired Notice to Proceed Date:	December 2020

Water Activity Summary		
Name of Applicant	Morrison Consolidated Ditch Company	
Name of Water Activity	Railroad Syphon Replacement	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Southwest Basin Roundtable	\$25,000.00	
Basin Account Request Subtotal	\$25,000.00	
Statewide Account Request ⁽¹⁾	\$33,875.00	
Total WSRF Funds Requested (Basin & Statewide)	\$58,875.00	
Total Project Costs	\$78,500.00	

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



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Grantee and Applicant Information	
Name of Grantee(s)	Morrison Consolidated Ditch Company
Mailing Address	7170 State Hwy 172, Ignacio, CO 81137
FEIN	84-0272145
Grantee's Organization Contact ⁽¹⁾	Larry Hronich
Position/Title	Board Secretary
Email	hronichlarry54@gmail.com
Phone	970-563-4454
Grant Management Contact ⁽²⁾	Kelly McCaw
Position/Title	Secretary/Bookkeeper
Email	4ditchwitch@gmail.com
Phone	970-884-0247
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).
Formed in 1910, the Morrison Consolidated Ditch Company is a mutual irrigation company responsible for delivering irrigation water to over 165 Shareholders. The Morrison Consolidated Ditch Company holds 107.76 cfs of adjudicated water from the Pine River with priorities ranging from P-21 to P-65. The Morrison Consolidated Ditch Company's Shareholders have 8212.08 Acres of Storage water in Pine River Irrigation District. Water is diverted from the Pine River into the Morrison Ditch and the irrigation season runs from May 1 to October 1. The Morrison Ditch is 35 miles with 128 headgates



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Type of Eligible Entity (check one)	
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
XX	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
XX	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
XX	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/Counties	La Plata
Latitude	37 09' 24.07" N
Longitude	107 42' 14.90"W



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Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

The Morrison Consolidated Ditch Company is needing to replace a syphon located south of Oxford, CO. The syphon currently consists of two 24" pipes, one CMP, the other is concrete. The CMP pipe was installed sometime in the 1950's, the concrete pipe was added in the 1960's during an extension of the Morrison Ditch. A vacuum excavation truck was hired last summer to uncover the pipes for inspection. It was found that the CMP pipe has several areas where the metal is getting thin and will cause major issues in the near future if not addressed. A contractor came to the site and recommended replacing both pipes with 200 feet of new 48" double walled pipe capable of carrying the current amount of water that the two pipes carry during irrigation season, plus carriage space for heavy rain events. The concrete structures on both ends of the syphon, as well as the trash rack will be replaced. The syphon carries approximately 60 cfs of water when the ditch is running irrigation water. The grant funds would specifically be used for the construction, materials, and labor to replace the syphon, concrete structures, and trash rack. NRCS is assisting with survey and design of the syphon.

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)	
200 feet	Length of Pipe/Canal Built or Improved (linear feet)	
	Other	Explain:

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Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

In meeting goals of the Colorado Water Plan, this project helps "Establishing a plan with stakeholders and water managers statewide to finance the daunting cost of water infrastructure projects" and "Efficient and effective water infrastructure promoting smart land use".

Southwest Roundtable Basin Implementation Plan:

ID – B2 Replacing the deteriorating syphon will ensure future sustainability for carrying irrigation water to shareholders of the Morrison Ditch and encourage agricultural use.

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

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Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Total Match	
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3 rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Morrison Consolidated Ditch Company	\$19,625.00 (cash)
Southwest Basin Roundtable	\$25,000.00
Total Match	\$44,625.00
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

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Related Studies

Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.

None

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

Morrison Consolidated Ditch Company
McCrometer Automated Guaging Station with Satelite Telemetry
Southwest Basin Roundtable
April 2017
POGG1 PDAA 201700000903

Tax Payer Bill of Rights

The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

None



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<u>Colorado Water Conservation Board</u>	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	July 13, 2020
Water Activity Name:	Railroad Syphon Replacement
Grant Recipient:	Morrison Consolidated Ditch Company
Funding Source:	SW Roundtable
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>The Morrison Consolidated Ditch Company needs to replace a syphon located south of Oxford, CO. The syphon currently consists of two 24" pipes, one CMP (coated metal pipe), the other is concrete. The CMP pipe was installed sometime in the 1950's, the concrete pipe was added in the 1960's during an extension of the Morrison Ditch. A vac truck was hired last summer to uncover the pipes for inspection. It was found that the CMP pipe has several areas where the metal is getting thin and will cause major issues in the near future if not addressed. A contractor came to the site and recommended replacing both pipes with 200 feet of new 48" double walled pipe capable of carrying the current amount of water that the two pipes carry during irrigation season, plus carriage space for heavy rain events. The concrete structures on both ends of the syphon and the trash rack will be replaced. The syphon carries approximately 60 cfs of water when the ditch is running irrigation water. The grant funds would specifically be used for the construction, materials, and labor to replace the syphon, concrete structures, and trash rack.</p>	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS)).	
<p>The objective of this project is to update the current failing structure and to continue to provide uninterrupted and reliable carriage of irrigation water to shareholders on the Morrison Consolidated Ditch.</p>	

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Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 1 – Removal of current structures, ground preparation, and install of new pipe</u>
<p>Description of Task:</p> <p>Removal of concrete inlet and outlet structures and removal of two 160' long syphon pipes. Preparation of ground for install of new pipe and concrete structures. Installation of 200' 48" double walled plastic pipe.</p>
<p>Method/Procedure:</p> <p>Construction Company will use heavy equipment to remove structures and prepare the area for install of new pipe and concrete structures. And install new pipe.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>The removal of the current syphon structure and preparation of area for install of new pipe and concrete structures. And installation of new pipe</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>The Morrison Ditch will provide the invoice and pictures of the removal process and cost. And provide invoice and pictures of ground preparation for new structure. And installed pipe.</p>

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Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 2 – Installation of concrete inlet and outlet</u>
<p>Description of Task:</p> <p>The concrete company will construct new syphon inlet and outlet structures. They will form and pour base, headwalls, and wingwalls.</p>
<p>Method/Procedure:</p> <p>Concrete structures will be formed and poured by concrete company.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>Installation of concrete inlet and outlet structures.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>The Morrison Ditch will provide the invoice and pictures of the install of the concrete structures.</p>



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Tasks
Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 3 – Build and installation of New Trash Rack</u>
Description of Task: Contractor will build new trash rack and install upstream from the new inlet structure. The trash rack will consist of 220 ft of 2 3/8" steel pipe welded.
Method/Procedure: Build and install new trash rack.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Installed new trash rack to keep debris from entering inlet structure and syphon pipe.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) The Morrison Ditch will provide the invoice and pictures of the installed new trash rack

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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.

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Performance Requirements

(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.

MCDC Railroad Syphon Map

Write a description for your map.

Legend

-  MCDC Syphon at Railroad
-  Oxford

172 313
Oxford

312

Solar Dr
Solar Acres


Moke Rd

311

312

Harper Ln

Payne Ln

 MCDC Syphon at Railroad

Google earth

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1000 ft