

SOUTHWEST BASINS ROUNDTABLE'S CRITERIA FOR BASIN EVALUATION

The following will be used to evaluate a project submitted to the Southwest Basins Roundtable.

The listed requirements include Southwest Basins Roundtable specific requirements as well as the Colorado Water Conservation Board requirements for completing the Water Supply Reserve Fund (WSRF) Grant application. This is not an exhaustive list and all application forms should be thoroughly reviewed and completed. For assistance in completing the application package please reference the Southwest Basins Roundtable's WSRF Grant application submittal checklist.

REQUIRED:

- A. Projects must be submitted on application forms used by the [Colorado Water Conservation Board \(CWCB\)](#) and this Southwest Basins Roundtable's Criteria for Basin Evaluation (Roundtable).
- B. All applicable sections must be completed.
- C. Applicants will identify which of the goals, objectives, and principles as described in the [Roundtable's final draft Basin Implementation Plan \(BIP\)](#) apply to the proposed Project. [The full plan \(BIP\) is available on the CWCB's website.](#)
- D. Applicants will identify which goals and actions apply as described in the [Colorado Water Plan \(CWP\)](#) and address those applicable for the Project. The CWP critical goals and actions may be found in [Chapter 10: Critical Action Plan.](#)
- E. In addition to describing applicable BIP goals and CWP goals, the applicant will also identify if the project is listed as an identified project and/or process (IPP) in the BIP and note the identification number of the IPP in their application. The IPP list is available on the [CWCB's website.](#) If the project is not an IPP, the applicant should make note of this in the application.
- F. Provide a financial overview of the project and/or process, including cost sharing and all other possible funding sources. The Roundtable requires a minimum 25% match of the total funding request for WSRF grant funds, not to exceed 10% as in-kind (i.e. minimum of 15% cash match). Please provide details of the in-kind contributions. The Roundtable strongly encourages cash contributions from project beneficiaries or applicants. Waivers of these requirements will be considered on a case-by-case basis.

An example of the cost share breakdown for a grant request of \$22,500 is shown below.

Total cost of Project, or portion being funded by WSRF Basin Grant*	\$61,700
Total Cash Match Amount (15%)	\$15,425
Total In-Kind Match Amount (10%)**	\$0
Total WSRF Basin Grant Request Amount	\$46,275

**Amount of Grant Request plus amount of match should equal total cost of Project.*

***CWCB allows for "past expenditures directly related to the project may be considered as matching funds (i.e. in-kind contributions) if the expenditures occurred within nine months of the date of the contract or purchase order between the applicant and the State of Colorado is executed."*

- G. Until further notice, the Roundtable's WSRF basin grants will not exceed \$100,000 unless special circumstances exist which the Roundtable deems a larger amount is warranted. Waiver of this recommendation will be considered on a case-by-case basis.
- H. Provide the proposed schedule for the project and/or process to be funded and the timeline for entire project if only funding part with this application.
- I. The Roundtable requires that, if the application is approved, the applicant provide at a minimum semi-annual progress reports of the project as well as a final report once the project is completed. The first report is due six months after the notice to proceed is given. To avoid duplicate efforts, the applicant may electronically send the same progress and final reports, as required by CWCB, to the Roundtable chair for distribution to the group. Applicants are always encouraged to share project completion stories including successes and lessons learned at Roundtable meetings.
- J. Applicants must answer, to the best of their ability, the evaluation questions posed below. These questions and answers assist the Roundtable during the application review process.

SOUTHWEST BASIN ROUNDTABLE'S EVALUATION QUESTIONNAIRE

To assist the Roundtable in determining whether and to what extent a proposed project and/or process meets the values set forth in the Roundtable Bylaws and goals of the Basin Implementation Plan, the following questions should be addressed separately as can reasonably be answered by the applicant. Note: this is not an exhaustive list and additional questions may be asked of the applicant.

1. Identify the benefit(s) the project would provide. Are there multiple purposes (Agricultural, Environmental, Municipal, Industrial, Recreational) that the project would meet as defined in the Basin Implementation Plan? *Note: Projects that meet multiple purposes are strongly encouraged; however, this does not mean that a single purpose project would be rejected.*

This project is a critical water infrastructure to continue to provide water to a large agriculture area. The replacement of this headgate is very important to ensure accurate water flow and water levels out of Pastorius Reservoir. It has an impact not only on agriculture but environment and recreation for the Pastorius Reservoir State Wildlife area.

2. Outline the steps needed for completion of the project. Are there permit issues that must be overcome? How will funds acquired in this process be used to accomplish the final goal?

Florida Consolidated Ditch Company will hire a Rubicon technician to supervise and install the new headgate and automation. There are no permit issues.

3. For prioritization of different proposals and assessment of the merits of the plan, can this project be physically built with this funding? Are further studies needed before actual construction is commenced (if the project anticipates construction)? Will these studies or additional steps delay the completion of the project substantially?

Replacing the aging and failing headgate is the best way to ensure proper function. With Florida Consolidated Ditch Company's Cash Match and contributing funds the project will be fully funded.

4. What is the ability of the sponsor to pay for the project? What actions have been taken to secure local funding? Are there supporting factors that affect the sponsor's ability to pay? Please provide a summary of the sponsor's financial condition such as customer fee structure, mill levy rate, or other applicable information that demonstrates the sponsor's ability to support the project. For example, has the sponsor increased assessments or rates to meet the project requirements in the past five years. Also, address how a loan could address the needs of the applicant instead of a grant?

Florida Consolidated Ditch Company along with supporting funds can pay the full cost of this Project. The ditch company raised the shareholder's assessments by ~13% in an effort to help fund these types of projects. The entire project can be completed in less than two weeks.

5. Which alternative sources of water or alternative management ideas have you considered? Are there water rights conflicts involving the source of water for the project? If yes, please explain.

All functioning headgates in our system are viable for the delivery of water, there are no alternative solutions. No water rights will be affected by this repair project.

6. Has there been public input solicited and is there local support for the project? Please provide a brief summary of public input if applicable.

No public input has been solicited for the replacement of this headgate and there is no impact to the general public.

7. Is there opposition to the project? If there is opposition, how have those concerns been addressed? Identify any conflicts that may exist and how they will be addressed.

There is no known opposition to this replacement project.

8. Does this project affect the protection and conservation of the natural environment, including the protection of open space? If yes, please explain.

The area to be repaired is inside the footprint of the reservoir, which will not affect the surrounding area.

9. Are there impacts of the proposed action on other non-decreed values of the stream or river? Non-decreed values may include things such as non-decreed water rights or uses, recreational uses and soil/land conservation practices.

The project would be beneficial to improving the water delivery to agricultural areas as well as with wildlife and recreational uses as it will provide a more accurate accounting for water flow and water levels.

10. Does this project relate to a Stream Management Plan (SMP) or Needs Assessment for one of southwest Colorado river reaches? If yes, please explain and provide detailed evidence of how project will meet SMP goals or needs.

No, this project is not related to Stream Management Plan

11. Does this project relate to local land use plans? If yes, please explain.

No, the project is a repair project to our water delivery system.

12. Does the project depend on a conversion of an agricultural water right? If yes, please explain.

No agricultural water rights will be affected by this project.

13. Does the project support agricultural development or protect the existing agricultural economy? If yes, please explain.

Yes, the headgate replacement will provide better delivery of water to the agriculture area.

14. Does the project optimize existing water rights and/or existing infrastructure? If yes, please explain.

No water rights will be affected, and the ditch infrastructure will remain the same.

15. Does the applicant anticipate future funding requests to complete the additional components of this project? Does the applicant have a long-term operation, maintenance, and replacement plan? When was the last update of the plan?

No, we do not anticipate any future funding requests for this repair.

Since we are a non-profit operating on limited funds, the operation, maintenance, and replacement plan are handled by annual assessment. We have several upgrade plans in the works. Currently, we are lining a section of the Florida Canal which results in water savings. We will be upgrading the Florida Canal Diversion next year, also we are looking into possible piping options for different ditches to allow better water delivery. The management team is in the process of developing plans for long-term operation, maintenance, and replacement plans.

16. Does this project have an education component? If yes, please explain how it is consistent with the Roundtable's [Education Action Plan](#).

As Operations Manager, I am posting 'educational minutes' to our website in order to help our water users to have a better understanding of how water is measured and distributed throughout the system. The management team is using our website as a tool to better inform our water users and improve the level of public awareness and engagement of water issues. We are looking into how we could work with the local FFA, and 4-H clubs to develop an interest in water issues by involving students of our community.

Position/Title: Office Manager
Phone: 970-749-9800

Email: floridaditch@gmail.com

Agency Information

Agency Type	Ditch Company
Current Assessment	\$45.00
Number of Shareholders or Customers	238
Number of Shares	6,200
Number of Taps	
Average Monthly Water Bill	
Annual Water Delivery (acre-feet)	43,000

Description of Grantee/Applicant

Deliver irrigation water

Location of Water Project

Latitude	37.200970
Longitude	-107.811860
Lat Long Flag	Reservoir location: Coordinates based on location of reservoir
Water Source	Lemon Dam
Basins	Southwest
Counties	
Districts	

Water Project Overview

Major Water Use Type	Agricultural
Type of Water Project	Construction / Implementation
Scheduled Start Date - Design	10/1/2023
Scheduled Start Date - Construction	10/15/2023

Description

This project will include replacing the failing head gate and automation at Pastorius Reservoir owned by the Florida Consolidated Ditch Company. The inconsistency of this aging infrastructure along with not being able to operate this piece of equipment remotely makes this both a safety and environmental liability, the repair involves installing a new Rubicon head gate and automation that will be able to be closed remotely. Pastorius Reservoir and the head gate are greater than 60 years old and is needing to be repaired or replaced. This headgate is the start of the Reservoir Ditch that serves ~ 200 water users downstream. This head gate is currently only operational by hand and that greatly increases the risk of catastrophic failure on the Reservoir Ditch which is a safety concern for the Ditch Company and the public downstream of the reservoir.

Measurable Results

0	New Storage Created (acre-feet)
0	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
0	Existing Storage Preserved or Enhanced (acre-feet)
0	New Storage Created (acre-feet)
0	Length of Stream Restored or Protected (linear feet)
\$0	Efficiency Savings (dollars/year)
0	Efficiency Savings (acre-feet/year)

- 0 Area of Restored or Preserved Habitat (acres)
 - 0 Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
 - 0 Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
 - 0 Number of Coloradans Impacted by Engagement Activity
- Other
No additional measurable results provided



Last Update: January 10, 2022

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Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	3/21/2023
Water Activity Name:	Pastorius Reservoir Headgate Replacement
Grant Recipient:	Florida Consolidated Ditch Company
Funding Source:	Southwest Basin 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>This project will replace an aging and failing automated headgate at Pastorius Reservoir. We currently have to manually operate the headgate as the automation has failed. The headgate and cables are old and rusty. In the event of an emergency, we would have to drive to the reservoir to operate the headgate, this could cost valuable time in an emergency. By replacing the headgate and restoring the automation, we could improve the reliability and operate the headgate remotely. This headgate has an impact on a large agricultural area on the south end of the Florida Mesa and to the Pastorius Reservoir State Wildlife area.</p>	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<p>By replacing the automated headgate, it will provide more control of water flow and water levels to support the large agriculture area on the south Florida Mesa supplying both adjudicated and project water to farmers and ranchers and the Pastorius Reservoir State Wildlife area. It could impact the fish, waterfowl, and wildlife in the area as well as the recreation at the reservoir.</p> <p>Florida Consolidated Ditch Company and Florida Water Conservancy District in partnership with the Nature Conservancy participate in the instream flow program to promote and maintain a healthy watershed.</p> <p>The Florida Consolidated Ditch company is a non-profit, shareholder-owned (through per-compacted water rights certificates).</p>	



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Tasks	
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)	
Task 1 - (Name)	
Description of Task:	
The Rubicon technician will remove failing headgate and install new automated headgate.	
Method/Procedure:	
Isolate and remove the existing headgate. Install framing. Install new headgate Install the automation components.	
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	
The new headgate is will provide accurate flow measurement, precise motor control, and radio telecommunications. It calculates flow from the gate's own measurements of upstream water level, downstream water level and gate position. It automatically controls the flow of water by varying the gate position based on a desired set-point and control objectives such as constant flow.	
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	



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Tasks	
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)	
<u>Task 2 - (Name)</u>	
Description of Task:	
Method/Procedure:	
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	

Repeat for Task 3, Task 4, Task 5, etc.



Last Update: January 10, 2022

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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.

(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.

Date:

3/21/2023

Water Activity Name:

Pastorius Reservoir Headgate Replacement

Grantee Name:

Florida Consolidated Ditch Company

Task 1 - Construction

Sub-task	Item	Units	Quantity	Unit Price	Subtotal	Roundtable CWCB Funds	Other Matching Funds
1a	Isolate and remove old headgate, install framing	1 day			\$ 27,300.00	\$ 20,475.00	\$ 6,825.00
1b	Install headgate	1 day			\$ 27,300.00	\$ 20,475.00	\$ 6,825.00
1c	Install automation	1 day			\$ 1,500.00	\$ 1,125.00	\$ 375.00
1d	Contingency	LS			\$ 5,600.00	\$ 4,200.00	\$ 1,400.00

Total Cost:

\$ 61,700.00 \$ 46,275.00 \$ 15,425.00

