



## Colorado Water Conservation Board

### Water Supply Reserve Fund Grant Application

#### Instructions

All WSRF grant applications shall conform to the current [WSRF Program 2022 Grant 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 WSRF Program 2022 Grant Guidelines. The CWCB meets bimonthly.

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

Ben Wade  
[ben.wade@state.co.us](mailto:ben.wade@state.co.us)  
303-866-3441 x3238 (office)

#### 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 [WSRF Program 2022 Grant Guidelines](#).
- YES ☐ NO ☐ Grantee will be able to contract with CWCB using the [Standard Contract](#).<sup>1</sup>

#### Application Documents included:

- YES ☐ NO ☐ Exhibit A: Statement of Work<sup>2</sup> (*Word – see Template*)
- YES ☐ NO ☐ Exhibit B: Budget (including Detailed Budget) & Schedule<sup>2</sup> (*Excel Spreadsheet – see Template*)
- YES ☐ NO ☐ Letters of Matching and/or Pending 3<sup>rd</sup> Party Commitments<sup>2</sup>
- YES ☐ NO ☐ Map<sup>2</sup>
- YES ☐ NO ☐ Photos/Drawings/Reports
- YES ☐ NO ☐ Letters of Support

#### Contracting Documents<sup>3</sup>

- YES ☐ NO ☐ Detailed/Itemized Budget<sup>3</sup> (*Excel Spreadsheet – see Template*)
- YES ☐ NO ☐ Certificate of Insurance<sup>4</sup> (*General, Auto, & Workers' Comp.*)
- YES ☐ NO ☐ Certificate of Good Standing<sup>(4)</sup>
- YES ☐ NO ☐ W-9 Form<sup>4</sup>
- YES ☐ NO ☐ Independent Contractor Form<sup>4</sup> (*If applicant is individual, not company/organization*)
- YES ☐ NO ☐ Electronic Funds Transfer (ETF) Form<sup>4</sup>

<sup>1</sup>Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

<sup>2</sup> Required with application if applicable.

<sup>3</sup>Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

<sup>4</sup> Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



January	October 1
March	December 1
May	February 1
July	April 1
September	June 1
November	August 1

Water Activity Summary	
Name of Applicant	Purgatoire River Water Conservancy District
Name of Water Activity	Automated Water Control Gates - Water Efficiency Project, Phase II
Approving Roundtable(s)	Basin Account Request(s) <sup>1</sup>
Arkansas Basin Roundtable	\$35,000
Basin Account Request Subtotal	\$35,000
Basin Account Request Subtotal Approved by Roundtable	\$35,000
Total WSRF Basin Account Funds Requested	\$35,000
Total Project Costs	\$124,800

<sup>1</sup> Please indicate the amount recommended for approval by the Roundtable(s)

Grantee and Applicant Information	
Name of Grantee(s)	Purgatoire River Water Conservancy District
Mailing Address	3590 East Main Street, Suite 3, Trinidad, CO. 81082
FEIN	840716341
Grantee's Organization Contact <sup>1</sup>	Steve Kastner
Position/Title	General Manager
Email	prwcd@yahoo.com
Phone	719 846-7285 (office)



Grantee and Applicant Information	
Grant Management Contact <sup>2</sup>	Connie Mantelli
Position/Title	Office Manager
Email	prwcd@yahoo.com
Phone	719 846-7285 (office)
Name of Applicant (if different than grantee)	(same as grantee)
Mailing Address	
Position/Title	
Email	
Phone	

<sup>1</sup> Person with signatory authority

<sup>2</sup> 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 Purgatoire River Water Conservancy District ("PRWCD") is a Colorado water conservancy district formed under the statutes of the State of Colorado in 1960 for the principle purpose of being the legal entity able to contract with the federal government for the construction and repayment of the <b>Trinidad Project</b>. The Trinidad Project principally consists of the Trinidad Dam &amp; Reservoir and <b>ten individual irrigating ditch companies</b> or owners. Up to 19,499 acres of land may be irrigated under the project. The <b>City of Trinidad</b> is an additional beneficiary of the project utilizing some of the changed project ditch water rights for storage in Trinidad Reservoir and for ultimate <b>municipal use</b>. The <b>Colorado Parks &amp; Wildlife</b> is also a project beneficiary likewise utilizing a changed project water right for the filling and maintenance of a permanent <b>fishery and recreation</b> pool of water in Trinidad Reservoir.</p>

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

Type of Water Activity (check one)
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Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)	
	Nonconsumptive (Environmental)
	Nonconsumptive (Recreational)
X	Agricultural
X	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 <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Las Animas
Latitude	37.17° North & 37.23° North
Longitude	104.51° West & 104.44° West

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>
<p>The <b>PRWCD's "AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, PHASE II"</b> project is located within Las Animas County, Colorado and within the PRWCD's boundaries. The two specific project locations are at the Purgatoire River diversion headgates of the Picketwire Ditch Company and the John Flood Ditch Company.</p> <p>The work to be carried out under this proposed project is to replace aged steel manually operated diversion headgates on the Picketwire Ditch and the John Flood Ditch with automated water control headgates which can additionally be remotely controlled. The new headgates will be capable of maintaining consistent rates of diversion and be able to be remotely adjusted and controlled.</p> <p>PRWCD's local partners for this project are the Picketwire Ditch Company, the John Flood Ditch Company and the Purgatoire River–Spanish Peaks Soil Conservation District. A WaterSmart grant from the Bureau of Reclamation is also being sought.</p> <p>The project's proposed starting date is April 2023 pending funding approval. The project's estimated completion</p>



### Water Activity Overview

date is December 2023.

Note: PRWCD's "AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, **PHASE I** is currently in the process of replacing three other PRWCD manually controlled ditch headgates with automated and remote control capable headgates. PRWCD's ultimate goal is to have all of the administratively significant river diversions by PRWCD ditches be automated and to be remotely controlled. A Phase III is anticipated in 2024 to fully achieve this goal.

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

### Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Analysis & Technical Update](#), and the respective [roundtable Basin Implementation Plan and Education Action Plan](#) <sup>(1)</sup>. 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).



### Water Activity Justification

The expected benefits and water management issues related to the proposed project are to maximize water use efficiency under the Picketwire Ditch and the John Flood Ditch which is one of the underlying tenets and requirements of the Bureau of Reclamation for the Trinidad Project.

This **infrastructure modernization** will maximize diversion and water use efficiency under these two ditches which is relevant to **Goal No. 9 of the Arkansas Basin Roundtable's Basin Implementation Plan** (2022) and of **Colorado's Water Plan** of sustaining productive agricultural economy in the Arkansas River basin.

Remote and automated control over these two diversion structures will **reduce required manpower** time and cost to operate these diversion structures.

Remote and automated control over these diversion structures will also provide for more timely ditch diversion rate changes which will result in **reductions in administrative conflicts** within and external to the PRWCD and ensure **PRWCD's and Reclamation's required compliance obligations** to downstream Purgatoire River and Arkansas River water rights and the **Kansas-Colorado Compact** as part of the Trinidad Project.

Remote and automated control over these diversion structures will **maximize Trinidad Project water supplies** to which the PRWCD is entitled by reducing the volumes of river water that unnecessarily pass these structures due to a lack of timely diversion adjustments.

The benefits to the PRWCD will be for the more efficient allocation and greater capture of its entitled Purgatoire River water supplies by reducing waters wasted by the two individual ditch systems involved in this project by more quickly being able to react to changing river flow conditions. The benefits internal to the two individual ditch systems involved in this proposed project are for more stable and constant river diversion rates by utilizing the automated control features of the Rubicon headgates. A more stable ditch diversion rate allows for maximum efficiency and equitability of water distribution within each ditch system.

The water supply reliability will improve within the two subject ditches as the new automated headgates will better be able to maintain constant flow rates thus allowing for more accurate deliveries of share waters within these individual ditch systems.

The expected geographic scope of benefits from the project will be locally within the ditch systems subject of this proposed project due to increased constancy of diversion rates and resulting greater efficiency of allocations within the ditch systems. The project scope will also have a sub-basin impact in allowing the PRWCD to maximize its Trinidad Project water entitlements within the Purgatoire River basin. The project will also impact the greater Arkansas River basin area in helping to ensure compliance with the Arkansas River Compact and other downstream water rights on the Purgatoire and Arkansas Rivers.

More stable diversion flows and the ability to make more rapid responses to changing river flow conditions will ease the administrative burden and increase collaboration among the PRWCD, the two individual ditch companies, the City of Trinidad which has a water right interest in the John Flood Ditch and the Division Engineer's Office staff with whom the PRWCD is in daily contact during the irrigation season. More stable diversion rates and remote real time access to this diversion information will informationally benefit all of the above parties in their decision-making processes regarding the distribution of the subject waters amongst the above parties and in administrative compliance with the underlying water right decrees.

The proposed project is anticipated to provide greater water supplies and efficiencies to the subject local ditch systems. This impact will provide for stronger local agricultural economy. Benefits will also begin to be derived by more accurate administration and greater water supplies of the City of Trinidad changed shares of the John Flood Ditch which is supportive of the **Goal No. 7 of the Arkansas Basin Roundtable's Basin Implementation Plan** (2022) in seeking greater collaborative solutions among municipal and agricultural entities and of **Colorado's**



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### Water Activity Justification

**Water Plan goal of reducing the anticipated 2050 municipal water supply gap.** The waters of the City of Trinidad's changed John Flood Ditch water rights are utilized for **municipal, wildlife and recreational uses** at Trinidad Reservoir and in the City of Trinidad. In addition to being utilized for irrigation water storage, Trinidad Reservoir also provides for municipal water storage, fishery, boating recreation and is a tourism draw for such activities also being supportive of **Goal No. 13 of the Arkansas Basin Roundtable's Basin Implementation Plan (2022)** being for the enhancement of recreational goals.

<sup>1</sup> Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.



### Matching Requirements: Basin Account Requests

**Basin Account** grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3<sup>rd</sup> party and shall be accompanied by a **letter of commitment** as described in the [WSRF Program 2022 Grant 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)
Bureau of Reclamation (cash, WaterSmart grant application pending)	\$62,400
PRWCD (cash)	\$7,400
PRWCD (In-kind)	\$5,000
Picketwire Ditch Company (cash)	\$6,000
John Flood Ditch Company (cash)	\$4,000
Purgatoire River–Spanish Peaks Soil Conservation District (cash)	\$5,000
Total Match	\$89,800
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

### 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

The PRWCD has previously received the following CWCB grants:

#### Grant No. 1

1. Applicant: PRWCD (Huerfano County Water Conservancy District was the fiscal agent)
2. Water Activity Name: "Ditch Infrastructure Repair Project in the Arkansas River Basin"
3. Approving Roundtable: Arkansas Basin Roundtable
4. CWCB Board Meeting Date: Date uncertain but "Notice to Proceed Letter" is dated April 21, 2016
5. Contract Number: WSRA Grant – POGG1 2016-774

#### Grant No. 2

1. Applicant: PRWCD (Huerfano County Water Conservancy District was the vendor)
2. Water Activity Name: "Purgatoire River, Irrigation Diversion Telemetry Equipment"
3. Approving Roundtable: None, Severance Tax Operational Fund
4. CWCB Board Meeting Date: ?
5. Purchase Order: POGG1,PDAA,201800000948 (5/17/2018)





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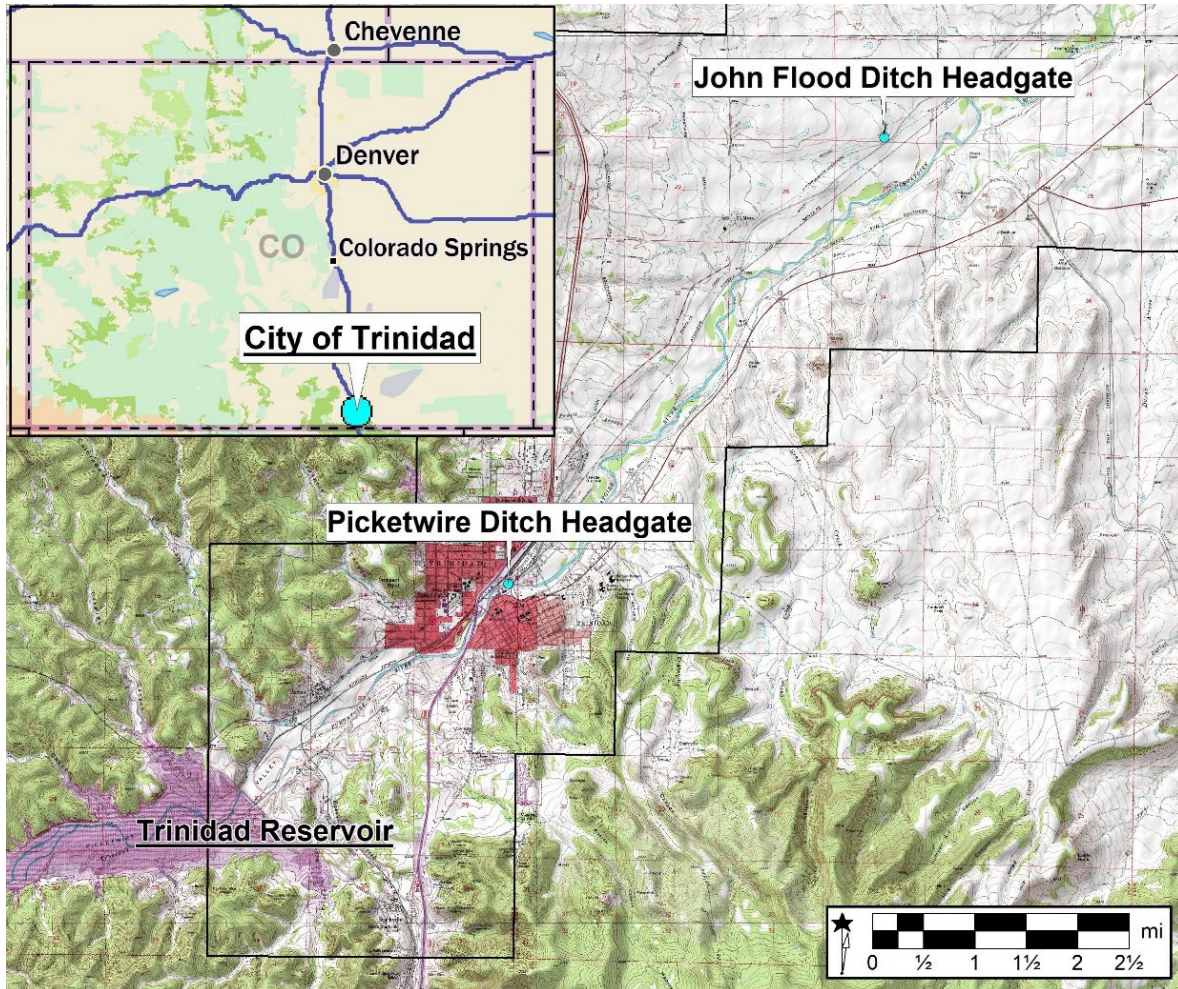
### Tax Payer Bill of Rights

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.

The PRWCD by the general election of November 2018 was successfully “de-Bruced”. As a result the PRWCD was authorized by its electorate to “collect, retain, and spend all revenues and income from any and all sources that may be in excess of any revenue or spending limits imposed by Article X of the Colorado Constitution or any other laws.” The Tax Payer Bill of Rights does not limit the amount of grant monies the PRWCD can receive.



**Exhibit C. Automated Water Control Gates - Water Efficiency Project, Phase II**  
Picketwire Ditch Headgate & John Flood Ditch Headgate Location Map.



**Exhibit D – Letters of Support and Funding Commitment**



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*Appendix D*

The Picketwire Ditch Company

18441 County Road 79.0

Trinidad, Colorado 81082

April 14, 2022

Mr. Steve Kastner  
Purgatoire River Water Conservancy District  
3590 East Main, Suite 3  
Trinidad, Colorado 81082

RE: Purgatoire River Water Conservancy District's AUTOMATED WATER CONTROL GATES-  
WATER EFFICIENCY PROJECT PHASE II

Dear Mr. Kastner:

By this letter of commitment, the Picketwire Ditch Company commits to provide \$6,000 cash funding in support of the Purgatoire River Water Conservancy District's AUTOMATED WATER CONTROL GATES - WATER EFFICIENCY PROJECT PHASE II PROJECT.

This amount of funding will be available to the Purgatoire River Water Conservancy District from the Picketwire Ditch Company beginning April 1, 2022 through December 31, 2023.

This specific funding is to be used for the installation of a new automated headgate on the works of the Picketwire Ditch.

Sincerely,

Joe Amato  
President  
Picketwire Ditch Company



*Appendix D*

New John Flood Ditch, PO Box 49, Hoehne, CO 81046

April 6, 2022

Mr. Steve Kastner  
Purgatoire River Water Conservancy District  
3590 East Main, Suite 3  
Trinidad, Colorado 81082


RE: Purgatoire River Water Conservancy District's AUTOMATED WATER CONTROL GATES -  
WATER EFFICIENCY PROJECT PHASE II

Dear Mr. Kastner:

By this letter of commitment, the John Flood Ditch Company commits to provide cash funding, \$4,000, in support of the Purgatoire River Water Conservancy District's AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT PHASE II PROJECT.

This amount of funding will be available to the Purgatoire River Water Conservancy District from the John Flood Ditch Company beginning April 1, 2022 through December 31, 2023.

This specific funding is to be used for the installation of a new automated headgate on the works of the Picketwire ditch.

Sincerely,  
  
Robert Philpott  
President  
John Flood Ditch Company





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**Spanish Peaks - Purgatoire River**  
**Conservation District**

*Appendix D*

**President:** Bill Wilkinson      **Vice President:** Karen Salapich  
**Treasurer:** Doug Taylor  
**Members:** Jarrod Tortorelli, Tami Tamburelli, Justin Malespini and Joey DeGarbo  
3590 E. Main St.      Phone: (719)497-3118  
Trinidad, CO 81082-5002

April 13, 2022

Mr. Steve Kastner  
Purgatoire River Water Conservancy District 3590 East  
Main, Suite 3  
Trinidad, Colo. 81082

Re: Purgatoire River Water Conservancy District's "AUTOMATED WATER CONTROL GATES-WATER EFFICIENCY PROJECT, PHASE II"

Dear Mr. Kastner:

By this letter of commitment, the Spanish Peaks-Purgatoire River Soil Conservation District commits to provide **\$5000.00 of cash funding** in support of the Purgatoire River Water Conservation District's AUTOMATED WATER CONTROL GATES-WATER EFFICIENCY PROJECT, PHASE II project.

This amount of funding will be available to the Purgatoire River Water Conservancy District from the Spanish Peaks-Purgatoire River Soil Conservation District beginning April 23, 2023 and until December 2023.

This specific funding is to be used for the installation of new automatic headgates on the river diversion works of member ditches within the Purgatoire River Water Conservancy District.

Sincerely,

Bill Wilkinson, President  
Spanish Peaks-Purgatoire River Soil Conservation District

*Working together to protect and preserve America's precious Natural Resources*

*"People . . . owe their existence to a 6-inch layer of topsoil, and the fact that it rains and the sun shines." -- Anonymous*

# Arkansas Basin Roundtable

May 12, 2022

**Via Electronic Mail: [ben.wade@state.co.us](mailto:ben.wade@state.co.us)**

Mr. Ben Wade  
Colorado Water Conservation Board  
1313 Sherman Street, Room 721  
Denver, CO 80203

Re: Water Supply Reserve Fund: *Purgatoire River Water Conservancy District – AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, PHASE II*

Dear Ben:

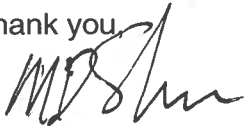
At its May 11, 2022 meeting, the Arkansas Basin Roundtable (ABRT) approved support of the Purgatoire River Water Conservancy District request for \$35,000 in Basin Roundtable Water Supply Reserve Fund Grant funds for the Hale Reservoir Project. The applicant is providing \$89,800 in matching funds.

This project supports the goals of the Colorado Water Plan and the ABRT Implementation Plan by maximizing water use efficiency under the Picketwire Ditch and the John Flood Ditch. This **infrastructure modernization** will maximize diversion and water use efficiency under these two ditches which is relevant to **Goal No. 9 of the Arkansas Basin Roundtable's Basin Implementation Plan (2022)** and of **Colorado's Water Plan** of sustaining productive agricultural economy in the Arkansas River basin

The ABRT approved supporting this application by consensus and there were no dissenting views.

Should you have any questions or concerns, please feel free to contact me either by telephone, (719) 668-8028, or by email.

Thank you,



Mark Shea  
Chair

Copy via email: Applicant; Needs Assessment Chair