

**AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY  
PROJECT, PHASE II**

**Funding Opportunity Title: WaterSMART Grants: Small Scale Water  
Efficiency Projects**

**Funding Opportunity Number: R22AS00195**

**Applicant:**

**Purgatoire River Water Conservancy District  
3590 East Main Street, Suite 3  
Trinidad, Colorado 81082**

**Project Manager:**

**Mr. Steve Kastner, General Manager  
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**April 20, 2022**

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## **Technical Proposal Section**

### **Executive Summary**

**Date:** April 20, 2022

**Applicant Name:** Purgatoire River Water Conservancy District

**County:** Las Animas

**State:** Colorado

The Purgatoire River Water Conservancy District (“PRWCD”) is a Category A applicant.

The PRWCD’s “AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, PHASE II” 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 & John Flood Ditch

The work proposed to be carried out under this proposed project is to replace aged steel manually operated river diversion headgates with automated water control headgates. The new headgates will be capable of maintaining consistent rates of diversion and be able to be remotely adjusted and controlled.

PRWCD’s local partners are the Picketwire Ditch Company & John Flood Ditch Company and the Purgatoire River –Spanish Peaks Soil Conservation District.

Expected benefits and water management issues related to the proposed project are to maximize water use efficiency under these two ditches which is one of the underlying tenets of the Trinidad Project, reduce required manpower to operate these two diversion structures, provide for more timely diversion rate changes, ensure PRWCD’s compliance obligations to downstream water rights and to the Arkansas River Compact, and to maximize available Trinidad Project water supplies to the PRWCD.

The project’s proposed starting date is April 2023. The project’s estimated completion date is December 2023.

None of the two specific project locations are located on federal property.

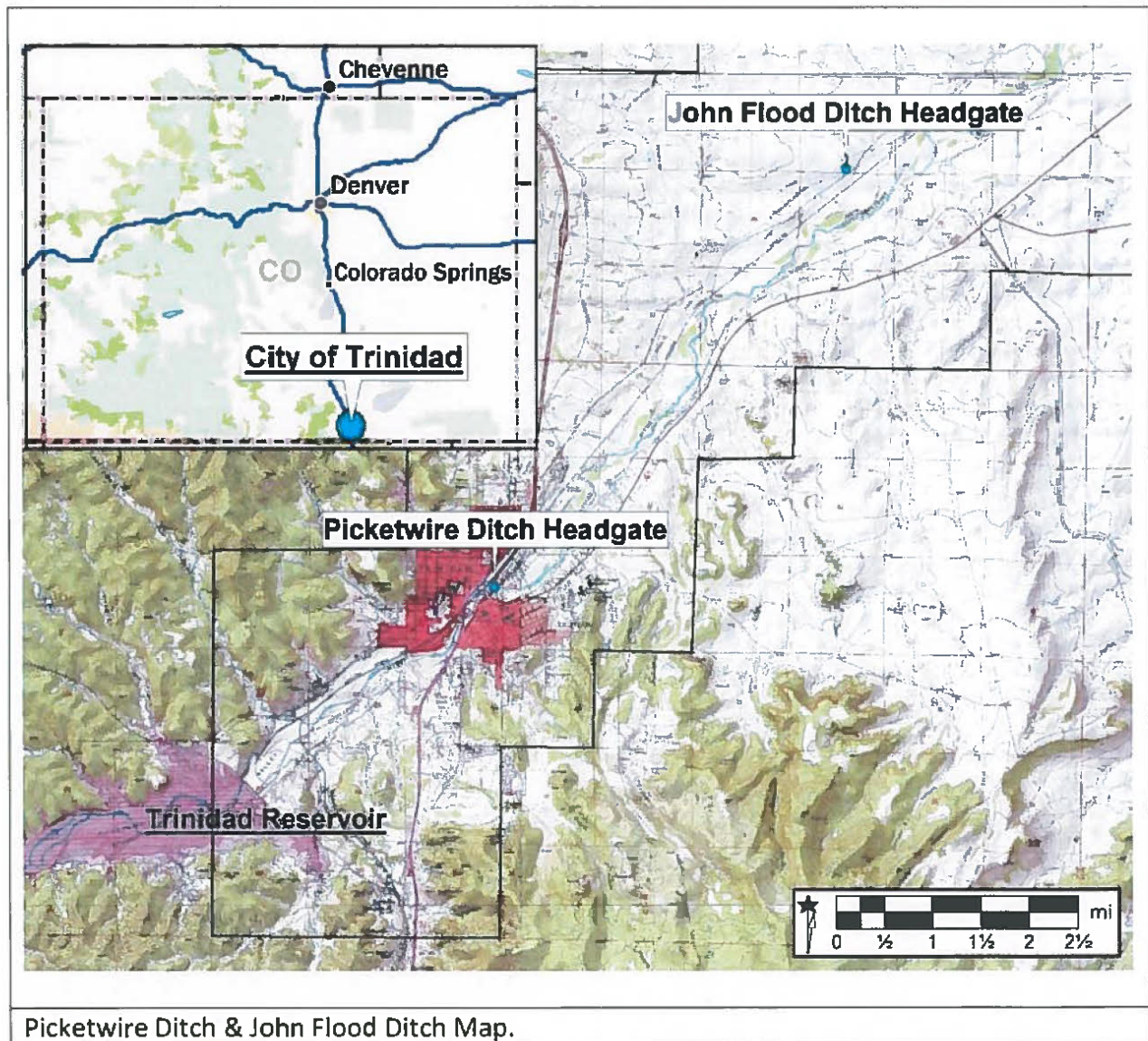
### **Project Locations**

The Purgatoire River headgates of the Picketwire Ditch & John Flood Ditch are both located within Las Animas County, Colorado. The Picketwire Ditch diversion is located within the City of Trinidad and the John Flood Ditch diversion is located approximately 6 miles northeast of the City of Trinidad.

The specific latitude and longitude of these three locations are included in the following table.

PRWCD's "AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, PHASE I" Locations		
	Latitude	Longitude
Picketwire Ditch Headgate	37° 10.4' North	104° 30.3' West
John Flood Ditch Headgate	37° 14.1' North	104° 26.4' West

A project area location map is additionally included below.



## **Project Description**

The PRWCD’s “AUTOMATED WATER CONTROL GATES – WATER EFFICIENCY PROJECT, PHASE II” project consists of replacing the existing manually operated Purgatoire River diversion headgates of the Picketwire Ditch & John Flood Ditch with new automated control and measuring headgates. Specific technical information for each of these three project locations follows.

### **Picketwire Ditch Headgate Replacement**

The Picketwire Ditch has water rights allowing it to divert a maximum of approximately 105 cubic feet per second of water. Operational use of the ditch however can be successful with flows as low as 10 cubic feet per second. The ditch can irrigate with a full water supply up to 2,414.7 acres of land.

The Picketwire Ditch Purgatoire River headgate facility consists of a concrete diversion dam and headgate headwall. One existing radial gate of approximately 3 feet tall by 10 feet wide is attached to down-ditch side of this headwall. Under the proposed project two new Rubicon gates will be installed approximately 30 feet down ditch from the existing radial gate which will be left in place for redundancy.

The two new Rubicon gates will have a total rated flow rate capacity of at least 105 cubic feet per second. This new installation will continue to allow the Picketwire Ditch to fully utilize its full water rights entitlement as water supplies for these rights is determined to be available in the future.

Some amount of pre-installation concrete construction work is anticipated for this installation.

### **John Flood Headgate Replacement**

The John Flood Company has water rights to divert up to 120 cubic feet per second of water through its headgate. Typical diversion rates are 10-50 cubic feet per second. The ditch can irrigate with a full water supply up to 2,170 acres of land. Typical water supplies however only permit lesser amounts of irrigation.

The John Flood Ditch headgate facility consists of a lateral diversion from the Model Canal. One steel slide gate, approximately 6 feet tall and 6 feet wide is currently mounted to this headwall. As such, the proposed project purpose is to replace the existing headgate with a single new Rubicon gate. This new gate will allow for the measurement and control of all typical operational flows into the John Flood Ditch. The new headgate will be attached directly to the existing headwall. Some amount of pre-installation concrete construction work is also anticipated for this installation.

### Security Fencing

Chain linked security fencing designed to provide protection for the Rubicon control pedestal at each of the ditch project sites is also part of the overall project. Six-foot-tall chain link fencing approximately 15 feet square at each of the two sites with an access gate and locking capabilities is being proposed as a project component.

### Evaluation Criteria

#### A. Project Benefits

- Describe the expected benefits and outcomes of implementing the proposed project.

The expected benefits and outcomes related to this project are to:

- This infrastructure **modernization** will maximize diversion and water use efficiency under these two ditches which is one of the underlying tenets of the Trinidad Project by providing for more timely river diversion changes and for providing for more consistent diversion rates for greater water use efficiency under these ditch systems.
  - 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 Arkansas River 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.
- What are the benefits to the applicant's water supply delivery system?
    - 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.

- If other benefits are expected explain those as well. Consider the following:

- Extent to which the proposed project improves overall water supply reliability

The project will improve the overall water supply reliability to the PRWCD member ditches by reducing water loss out of the PRWCD boundaries that could otherwise have been captured or diverted by the subject two PRWCD ditches thus increasing the overall water supply of the Trinidad Project.

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 benefits from the proposed project (e.g., local, sub-basin, basin).

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.

- Extent to which the proposed project will increase collaboration and information sharing among water managers in the region

Increased water supplies and more stable diversion flows will ease the administrative burden upon the PRWCD, the two individual ditch companies and the City of Trinidad all of which have an interest in at least one of the two subject ditch companies or the waters thereof and additionally the officials of the Colorado Division of Water Resources 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.

- Any anticipated positive impacts/benefits to local sectors and economies (e.g., agriculture, environment, recreation, tourism)

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. The waters of these changed 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.

- Extent to which the project will complement work done in coordination with NRCS in the area (e.g., with a direct connection to the district's water supply).

The PRWCD and the local NRCS offices share a common building in Trinidad Colorado. The two agencies work closely together along with the Farm Service Agency. Information is exchanged between these three agencies on a continuous basis. The PRWCD is composed of ten individual irrigation ditch companies or owners. The NRCS provides technical assistance and funding matches to the local farmers under these PRWCD ditches for irrigation improvement projects such as on-farm pipelines, farm lateral linings and center pivot sprinkler head stabilization ponds construction. The proposed PRWCD project will only lead to greater ditch water supplies and greater stability of flows in the subject ditches which will increase the designed efficiency benefits of existing and future NRCS on-farm projects within the PRWCD.

- Describe any on-farm efficiency work that is currently being completed or is anticipated to be completed in the future using NRCS assistance through EQIP or other programs.

Water users within the PRWCD ditch companies provide the local NRCS with a continuous stream of on-farm efficiency project requests. In an effort to continue overall irrigation efficiency within the PRWCD, several irrigators have installed center pivot irrigation systems. Five years ago, there were zero such systems in the PRWCD. Today there are twenty-two sprinklers. The NRCS office is providing the technical assistance to these PRWCD irrigators for the installation and operation of these systems.

The PRWCD irrigators and the local NRCS are also currently active in the conversion of open earth on-farm ditch laterals with on-farm piping to reduce on-farm ditch transit losses and to allow for greater irrigated areas.



## B. Planning Efforts Supporting the Project

Describe how your project is supported by an existing planning effort.

The proposed project is identified and supported in two overall planning studies or documents as related in whole or in part to the PRWCD and the **Trinidad Project**.

The first of these planning efforts are the underlying **Reclamation studies** from the 1960s supporting construction and development of the Trinidad Project. Conclusions of these studies are incorporated within Reclamations Operating Principles for the Trinidad Projects and were included to justify the cost benefit ratios of the Trinidad Project, a portion of the project would have to consist of infrastructure and irrigation efficiency improvements within the individual privately owned member ditch systems of the project. Examples of the recommended efficiency improvements consisted of infrastructure improvements such as ditch or canal linings, more efficient allocation of water within the PRWCD between the ditch companies, more efficient diversion works and closer management of on-going irrigation water requirements. Efforts to increase the overall Trinidad Project efficiency are detailed items discussed at every annual and decennial mandatory review of the Trinidad Project. These review efforts have been historically led by **Reclamation** being the principal planning entity for the Trinidad Project.

The second of these planning efforts is a current effort being conducted by the **Purgatoire River Partnership (PWP)**. The PWP is a local non-profit entity. The PWP supports and seeks to coordinate local efforts and brings local stakeholders together on issues related to the Purgatoire River. The PWP recently completed a **river assessment report** for the Purgatoire River (“Purgatoire River Assessment” 2019-2020). The drafting of this river assessment report was funded by **Reclamation** along with the **Colorado Water Conservation Board, Arkansas Basin Roundtable Water Supply Reserve Account, City of Trinidad and the Coalitions & Collaboratives**. The PRWCD is a local stakeholder and contributing entity to the PWP. Issues covered in this report are minimizing flood risks through river modifications, restoration of riparian and aquatic habitat, improved recreational opportunities, education, safety, and security (headgates, jetty jacks), management of winter flow releases and preservation of water rights and agricultural heritage. Three of the above six topics covered in the above river assessment are directly related to the operations of the PRWCD and its member ditches.

- Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?

The proposed project seeks in part to implement Reclamations conclusions in its original Trinidad Project studies to improve PRWCD ditch system efficiencies. The proposed project will increase Trinidad Project water supplies and increase the reliability of these supplies as discussed previously.

The proposed project also seeks to implement the goals of the PWP river assessment report of the preservation and continuation of the water rights of the PRWCD ditches and of the local agricultural economy and heritage.

- Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.

The PRWCD has determined the proposed project to be a priority in its planning efforts based on the cost of this project relative to available local and grant funding opportunities, the proposed project is essentially a shovel ready project once necessary funding has been confirmed, there is existing PRWCD board and local ditch company support of the proposed project, the proposed project involves the latest water measuring and control technology, and once completed, the proposed project will provide for immediate benefits.

### C. Project Implementation

Applicants that describe a detailed plan (e.g., estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates) will receive the most points under this criterion.

- Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates.

The implementation plan for the proposed project consists of the following tasks:

- \* Ordering the specified and quoted Rubicon headgates for the two subject ditches, a total of three gates. The schedule for ordering the headgates is subject to confirmation of any grant approval by Reclamation and the grant parameter that no work can commence prior to April 2023. As the headgate costs are the majority of the costs of the proposed project, ordering of the headgates will likely have to wait until this April 2023 date.
- \* Once ordered an expected delivery date will be available. Installation of the new headgates can most easily take place during the fall or winter of 2023. This time period being a low flow river period prior to the beginning of the PRWCD irrigation season which would begin the following April.
- \* Once the headgates are delivered, implementation will consist of preparing the headgate project sites of each of the subject ditch companies. This phase will consist of removing any trash or debris from the site and removing or moving any built-up sediments from in front of the gate locations. The time period for this work will be less than one week once work commences.

- \* Following the site preparation work, the existing headgates will be removed by the ditch companies if needed (it is anticipated that this will only be necessary for the John Flood Ditch). The existing radial gate at the Picketwire Ditch will be left in place for redundancy. The time period for this headgate removal and construction work will be less than one week per headgate once work commences.
- \* Following or corresponding with this existing headgate removal work will be any necessary construction work. This construction work will consist of modifying the dimensions of the existing ditches to provide for the openings of the specified Rubicon gates. The time period for this construction work is anticipated to be one week once work commences.
- \* Following removal of any existing headgates and completion of the needed construction work, the new Rubicon gates will be installed by Rubicon technicians and ditch company personnel. Installation of the new gates and commissioning of the gates may take one week each.
- \* Once the gates are installed, construction of the specified security fencing surrounding the on-site Rubicon control panels and other related equipment will occur. It is currently expected that a local fencing contractor will be utilized for this project task. Once this work commences it is anticipated to take two weeks.

The timeline completion of the proposed project is expected by the end of December 2023.

- Describe any permits that will be required, along with the process for obtaining such permits.

The proposed project is not anticipated to require any permits. The proposed project is an irrigation related project and consists of replacing existing ditch headgates with updated and improved headgates. Being an irrigation project on private properties owned or controlled by the subject ditch companies with no significant construction aspects, no permitting requirements have been identified.

#### **Application Review Information**

- Identify and describe any engineering or design work performed specifically in support of the proposed project.

The specifications and any design work required for this proposed project has been supplied by Rubicon within their quote specifications following field visits to the two project sites and design review.

- Describe any new policies or administrative actions required to implement the project.

No new PRWCD or subject ditch company policies are required to implement the project. The project will be conducted with the cooperation and oversight of the local Colorado Division of Water Resources personnel to ensure compliance with that agency's administrative requirements.

- Describe the timeline for completion of environmental and cultural resource compliance. Was the timeline for completion of environmental and cultural resource compliance discussed with the local Reclamation office?

In conversation with Reclamation personnel at the Denver Technical Service Center office, it is understood that any required NEPA or other environment and cultural compliance requirements will be conducted by Reclamation staff for this specific grant funding opportunity.

#### Evaluation Criterion D— Nexus to Reclamation

- Is the proposed project connected to a Reclamation project or activity?

Yes, the Trinidad Project is a combined Reclamation and Corps of Engineers project. The PRWCD is the entity contractually responsible for repayment of the irrigation related construction costs of the Trinidad Project to the Department of Interior (Reclamation). The Trinidad Project construction was completed in 1978. Reclamation oversees the irrigation, municipal, fishery, recreation, stock water and domestic water uses of the project. The Corps of Engineers manages the daily operations, maintenance and replacement of the Trinidad Dam and related facilities and additionally manages the flood control aspects of the dam and reservoir. The PRWCD is additionally obligated to pay for the irrigation related portion of these O&M&R costs to the Corps of Engineers. Reclamation provided the original studies for the Trinidad Project in the 1950s and 1960s. Reclamation drafted the Trinidad Project Operating Criteria which govern PRWCD's internal water allocation operations. The PRWCD and Reclamation are signatories to this document. Reclamation also drafted the Trinidad Project Operating Principles which principally govern the external relation of the Trinidad Project with non-project entities. Reclamation, PRWCD, Corps of Engineers, State of Kansas and the Arkansas River Compact Administration are signatories to this document. Increased irrigation related efficiencies are an expressed aspect and goal of the design of the Trinidad Project pursuant to the above Reclamation documents. By the proposed project subject of this grant application, the PRWCD is pursuing those stated Reclamation design objectives.

- Does the applicant receive Reclamation project water?

The PRWCD, its member ditch companies, the City of Trinidad and the Colorado Parks & Wildlife own all of the waters and water rights associated with the Trinidad Project.

There are technically no Reclamation owned “project waters” associated with the Trinidad Project.

- Is the project on Reclamation project lands or involving Reclamation facilities?

The project is located at the headgates of the subject ditch companies. The two project sites are located on private lands.

- Is the project in the same basin as a Reclamation project or activity?

Yes, the Purgatoire River basin of Colorado.

- Will the proposed work contribute water to a basin where a Reclamation project is located?

Yes, the Purgatoire River basin of Colorado.

- Will the project benefit any tribe(s)?

No, there are no tribes within the region.

## **Project Budget and Funding**

### **Budget Proposal**

The total cost of the proposed project is budgeted to be **\$124,800**. Total project costs are itemized and provided in the following **Budget Table**.

### **Funding Plan and Letters of Commitment**

The PRWCD is proposing a budget of \$124,800 for the proposed project. This budget anticipates that **50%** of the required funding will be provided by **non-Federal entities** and **50%** will be provided by **Federal sources** under this grant opportunity.

A funding table of these sources of funding and their itemized amounts is included in the following **Funding Table**.

The PRWCD cash contribution will be provided from its general fund budget. The PRWCD general fund budget for 2023 will include the required cash amount allocated for this grant cost share purpose. If not required in 2023 due to any project delays, this budget line item will likewise be funded for at least this same amount in the PRWCD’s 2023 general budget. Ditch

company assessments, property tax revenues and water storage charges are the principal sources of PRWCD revenues.

Letters of commitment from the Spanish Peaks - Purgatoire River Conservation District, the Picketwire Ditch Company and the John Flood Ditch Company and a resolution of the PRWCD are all attached to this application.

<b>Budget Table - PRWCD - Automated Water Control Gates - Water Efficiency Project, Phase II</b>				
<b>Project Tasks</b>	Picketwire Ditch Headgate	John Flood Ditch Headgate	Non-Ditch Specific	Total
1. Pre-Headgate Installation Site Preparation	Yes	Yes	-	-
2. Pre-Headgate Installation Construction	Yes	Yes	-	-
3. Purchase/Install Water Control Headgate	Yes	Yes	-	-
4. Purchase/Install Protective Security Fencing	Yes	Yes	-	-
<b>Costs</b>				
1. Site(s) Preparation Including Backhoe	\$1000	\$1000	\$0	\$2000
2. Remove Existing Headgate & Pre-Installation Construction	\$5,000	\$5,000	\$0	\$10,000
3. Purchase/Install/Commission Water Control Gate(s)	\$64,400	\$40,400	\$0	\$104,800
4. Purchase/Install Protective Security Fencing	\$0	\$3,000	\$0	\$3,000
5. Construction Management	\$0	\$0	\$2,500	\$2,500
6. Grant Administration	\$0	\$0	\$2,500	\$2,500
7. Regulatory Compliance (costs covered by Reclamation)	\$0	\$0	\$0	\$0
Totals	\$70,400	\$49,400	\$5,000	<b>\$124,800</b>

<b>Funding Table - PRWCD - Automated Water Control Gates - Water Efficiency Project, Phase II</b>				
<b>Funding Source</b>	<b>Picketwire Ditch Headgate</b>	<b>John Flood Ditch Headgate</b>	<b>Non-Ditch Specific</b>	<b>Total</b>
<b>Grant Funding</b>				
1. Bureau of Reclamation (Water Smart Grant)	\$0	\$0	\$62,400	\$62,400
<b>Funding Grant Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$62,400</b>	<b>\$62,400</b>
<b>Cash Funding</b>				
2. Purgatoire River Water Conservancy District	\$0	\$0	\$42,400	\$42,400
3. Spanish Peaks-Purgatoire River Conservation District	\$0	\$0	\$5,000	\$5,000
4. Picketwire Ditch Company	\$6,000	\$0	\$0	\$6,000
5. John Flood Ditch Company	\$0	\$4,000	\$0	\$4,000
<b>Funding Cash Subtotal</b>	<b>\$6,000</b>	<b>\$4,000</b>	<b>\$47,400</b>	<b>\$57,400</b>
<b>In-Kind Funding</b>				
6. PRWCD - Construction Management	\$0	\$0	\$2,500	\$2,500
7. PRWCD - Grant Administration	\$0	\$0	\$2,500	\$2,500
<b>Funding In-Kind Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,000</b>	<b>\$5,000</b>
<b>Funding Totals</b>	<b>\$6,000</b>	<b>\$4,000</b>	<b>\$114,800</b>	<b>\$124,800</b>

<b>Project Funding Percentages</b>	
Federal Sources	<b>50%</b>
Local Sources	<b>50%</b>



### **Budget Narrative**

A description of the budgeted costs of the proposed project follows.

Cost Item No. 1 is for site preparation of the two project sites. These costs include a general cleanup of the sites, trash and debris removal and any necessary sediment removal (backhoe work).

Cost Item No. 2 is for removing the existing headgate from the John Flood Ditch diversion works and for the costs for pre-headgate installation construction costs to re-size the existing diversion works opening geometry to allow for installation of the new Rubicon headgates.

Cost Item No. 3 is for the purchase costs, the installation costs and the commissioning costs for the specified Rubicon headgates. These costs are from Rubicon following inspection by their field personnel and design personnel. These costs will also include any associated backhoe or track hoe equipment which will be required for installation of these gates.

Cost Item No. 4 is for installation of protective security fencing surrounding the Rubicon control device and other necessary equipment. This fencing is anticipated to be supplied and installed by a local contractor. Budget estimates for these fencing costs were derived by recent experience with similar fencing on another PRWCD member ditch headgate project.

Cost Item No. 5 is for project/construction management. The project manager for the proposed project will be by the general manager of the PRWCD. Project management costs by the general manager for the proposed project are estimated to be \$2,500 with this amount being proposed as in-kind services by the PRWCD.

Cost Item No. 6 is for project grant administration. Project grant administration including cost accounting for the subject ditch companies, for PRWCD and for any involved contractors, financial reporting and progress reports to Reclamation all are to be provided by both the general manager and the PRWCD office manager. Grant administration for this project is estimated to cost \$2,500.

No specific additional travel costs or extra fringe benefits or equipment costs not already described have been identified in this budget proposal.

### **Environmental and Cultural Resources Compliance**

The proposed project consists of replacing existing headgates on the two subject ditches with new more efficient headgates. All three project sites are located on private property. No significant environmental or cultural resources are known to exist as these two project sites. Conversation with Reclamation personnel indicate that for the size of the proposed grant being requested that any regulatory compliance costs will be funded by Reclamation directly.

### **Required Permits or Approvals**

No specific governmental permits or approvals have been identified as part of the scoping of this proposed project. All project sites are located on private property with the property owners or property easement owners being third parties to this grant application.

### **Letters of Project Support**

By their letters of financial support for the proposed project, the Spanish Peaks-Purgatoire River Conservation District, the Picketwire Ditch Company and the John Flood Ditch Company confirm their financial support for the proposed project.

### **Official Resolution of the PRWCD**

An official resolution of the PRWCD board is attached to this application material. This resolution confirms the justification for the need of this proposed project, collaboration with Reclamation and confirms a commitment by the PRWCD to provide the budgeted contributions.

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

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

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

**Appendix - A**



**President:** Bill Wilkinson

**Vice President:** Karen Salapich

**Treasurer:** Doug Taylor

**Members:** Jarrod Tortorelli, Tami Tamburelli, Justin Malespini and Joey DeGarbo

3590 E. Main St.  
Trinidad, CO 81082-5002

Phone: (719)497-3118

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

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*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*

## PURGATOIRE RIVER WATER CONSERVANCY DISTRICT

3590 East Main Street, Suite 3  
Trinidad, Colorado 81082

(719) 846-7285

### RESOLUTION FOR APPLICATION FOR WATERSMART SMALL SCALE WATER EFFICIENCY GRANT OPPORTUNITIES AND FOR FINANCIAL SUPPORT OF SUCH OPPORTUNITIES FOR THE PURGATOIRE RIVER WATER CONSERVANCY DISTRICT'S "AUTOMATED WATER CONTROL GATES - WATER EFFICIENCY PROJECT, PHASE II

WHEREAS, the Purgatoire River Water Conservancy District and its member ditch companies and owners need to be as efficient as possible with the limited water resources of the Purgatoire River, and

WHEREAS, the Purgatoire River Water Conservancy District and its member ditch companies and owners seek to install automated headgates on its river diversion headgates in order to maximize water use efficiency, reduce required manpower and maximize Trinidad Project water project supplies, and

WHEREAS, the Trinidad Project is a United States Bureau of Reclamation associated multi-purpose water project, and

WHEREAS, supplemental funding beyond those resources available from the Purgatoire River Water Conservancy District and its member ditch companies and owners for funding of this project is necessary, and

WHEREAS, United States Bureau of Reclamation WaterSMART grants can provide supplemental funding for such water efficiency projects,

NOW, THEREFORE, BE IT RESOLVED by the Purgatoire River Water Conservancy District that for the purpose of maximizing water use efficiency, reducing required manpower and maximizing Trinidad Project water supplies, it is hereby authorized that an application be submitted pursuant to the Bureau of Reclamation's **WaterSMART Grants: Small-Scale Water Efficiency Grants Funding Opportunity Number R22AS00195** grant program for the installation of automated headgates under the Purgatoire River Water Conservancy District's Automated Water Control Gates – Water Efficiency Project, Phase II. If selected for such a grant, the Purgatoire River Water Conservancy District is financially capable and agrees to provide in-kind and cash funding towards this project as detailed in the grant application and will work closely with the Bureau of Reclamation to successfully complete this Phase II of the project.

# Appendix - B

ADOPTED, this 7th day of April 2022



David Philpott, Board President PRWCD

SEAL:

ATTEST:



Connie Mantelli, Secretary