



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718  
Denver, CO 80203

P (303) 866-3441  
F (303) 866-4474

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Craig Godbout  
Program Manager - Water Supply Reserve Fund Grant Program  
Water Supply Planning Section

DATE: August 31, 2020

CONSENT AGENDA ITEM: 2

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**Staff Recommendation - Action Items: WSRF Grant Amendment:**

Request by grantee to amend existing WSRF Grant to include additional infrastructure beyond approved Statement of Work and Budget. No change to the current total grant amount is proposed.

Contract No.: CTGG1 2019-3492

Water Activity Name: Leroux Creek Reservoir System, Dam Outlet Rehabilitation

Grantee: Leroux Creek Water Users Association

Recommending Roundtable: Gunnison (original request and amendment)

WSRF Grant Amount: \$50,000 Gunnison Basin Account

\$150,000 Statewide Account

\$200,000 Total Grant Amount

CWCB Board Approval: March 2020



**Water Supply Reserve Fund – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**Amendment #2 – Revision to Statement of Work**  
**September 16-17, 2019**  
**Consent Agenda Item 2**

**Applicant & Grantee:** Leroux Creek Water User’s Association  
**Water Activity Name:** Leroux Creek Reservoir System, Dam Outlet Rehabilitation  
**Water Activity Purpose:** Agricultural & M&I/Implementation  
**County:** Delta  
**Drainage Basin:** Gunnison  
**Water Source:** Leroux Creek  
**Amount Requested:** \$50,000 Gunnison Basin Account  
\$150,000 Statewide Account  
\$200,000 Total Request

**Matching Funds:** Applicant Match (cash & in-kind) = \$55,146  
    • 37% of the Statewide Account request (meets 10% min)  
Basin Account Match = \$50,000  
    • 33% of the Statewide Account Match (meets 10% min)  
Total Match (Applicant & Basin Account) = \$105,146  
    • 70% of the Statewide Account request (meets 50% min)

**Staff Recommendation:**

Staff recommends approval to amend the current Statement of Work (CTGG1 2019-3492) for the project titled: Leroux Creek Reservoir System, Dam Outlet Rehabilitation.

**Water Activity Summary:** WSRF grant funds, if approved, will assist the Leroux Creek Water User’s Association include an additional rehabilitation effort for the Willow Dam. The original approval by the CWCB addressed rehabilitation efforts for the Goodenough #2 Dam and the Gray Dam.

This project is intended to extend the life expectancy of the three outlet pipes by placement of an internal liner by use of the Cured-in-Place Pipe method and by installation of a filter drain surrounding the pipe at the downstream end of each outlet. The funding will be used for the construction work described above as well as permitting, bidding, final design and project administration. These three reservoirs are part of a system that can serve an area of up to 2,000 irrigated acres plus domestic water systems.

**Discussion:** This effort will assist the Gunnison Basin Roundtable achieve the goal of protecting existing water uses in the Gunnison Basin as called for in the Gunnison Basin Implementation Plan, as well as assisting the state achieve the goal of maintaining existing storage as indicated in Chapter 10, Section 10.3 of Colorado’s Water Plan.

**Issues/Additional Needs:** No issues or additional needs have been identified.

**Eligibility Requirements:** The application meets requirements of all eligibility components: General Eligibility, Entity Eligibility, Water Activity Eligibility, and Eligibility Based on Match Requirements.

**Evaluation Criteria:** This activity has undergone review and evaluation and staff has determined that it satisfies the Evaluation Criteria. Please refer to Basin Roundtable Chair's Recommendation Letter and the WSRF Grant Application for applicant's detailed response.

**Funding Summary/Matching Funds:**

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>	<u>Status</u>
Leroux Creek Water User's Association	\$20,000	\$35,146	\$55,146	Secured
WSRF Gunnison Basin Account	\$50,000	\$0	\$50,000	Secured
Sub-total	\$70,000	\$35,146	\$105,146	
WSRF Statewide Account	\$150,000	\$0	\$150,000	
<b>Total Project Costs</b>	<b>\$220,000</b>	<b>\$35,146</b>	<b>\$255,146</b>	

**CWCB Project Manager:** Craig Godbout

August 3, 2020

Craig Godbout  
Colorado Water Conservation Board  
1313 Sherman Street  
Denver, CO 80203

Re: GBRT approval of the Leroux Creek WSRF Project Amendment

Dear Mr. Godbout,

I am writing on behalf of the Gunnison Basin Roundtable to let you know that the GBRT voted unanimously to support a proposed amendment to the Leroux Creek Water Users Association (LCWUA) WSRF grant CTGG1 2019 3492. The project involves the lining of outlet pipes on two reservoirs on Leroux Creek. When the applicant completed engineering on the project in the late Spring of 2020 (with Applegate Group, selected by bid in January 2020) it was realized that the budget would allow for additional work. The next most pressing need was the rehabilitation of the outlet works of the Willow Reservoir. Since one of the largest costs in a pipe lining project is mobilization, and since the Willow is located between the Gray and Goodenough reservoirs it seemed an ideal and efficient candidate to include in the existing grant which the GBRT supported.

LCWUA proposes adding the lining of the Willow outlet pipe to the Scope of Work for our grant, without adding cost to the original amount of the grant. This project aligns well with the GBRT's goals and objectives, protecting existing water rights, maintaining aging infrastructure and preserving agriculture. The improvement of the 28 Reservoirs in the LCWUA system is a Tier 1 project in the BIP for the Gunnison Basin.

Thank you for your consideration,

*Kathleen Curry*

Kathleen Curry, Chair  
Gunnison Basin Roundtable  
54542 US Highway 50  
Gunnison, CO 81230  
970-209-5537  
[kathleencurry@montrose.net](mailto:kathleencurry@montrose.net)



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<b>Colorado Water Conservation Board</b>	
<b>Water Supply Reserve Fund</b>	
<b><u>Exhibit A - Statement of Work</u></b>	
<b>Date:</b>	August 3, 2020
<b>Water Activity Name:</b>	Leroux Creek Reservoir System, Dam Outlet Rehabilitation
<b>Grant Recipient:</b>	Leroux Creek Water Users Association (LCWUA)
<b>Funding Source:</b>	
<b>Water Activity Overview:</b> (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 proposed project will install Cured-In-Place-Pipe (CIPP) to rehabilitate the outlet pipes of three of the 29 reservoirs in the Leroux Creek Water Users Association’s storage system on Grand Mesa. Gray Dam outlet consist of 213 feet of 18” diameter corrugated steel pipe. Goodenough #2 Dam outlet consists of 234 feet of 12” diameter smooth steel pipe. Willow Dam outlet consists of 150 feet of 12” diameter corrugated metal pipe. All pipelines are now over 70 years old and showing signs that they are near the end of their useful life. These outlets were visually inspected via video camera in 2007 as part of the Safety and Serviceability Needs Inventory of Reservoirs in the Leroux Creek Drainage Basin study. The Willow outlet was identified as a high priority for rehabilitation in this study, with follow-up monitoring recommended for the Gray and Goodenough #2. The State Engineer’s Office, Dam Safety Inspector has since performed video surveys of the Gray and Goodenough #2, confirming that both outlets are showing signs of corrosion. This project will complete the necessary engineering and permitting to rehabilitate these three outlets, improve roads to provide adequate access to the dams for the CIPP contractor, dewater as needed for the CIPP installation, and complete the installation of the CIPP at each dam outlet.</p>	
<b>Objectives:</b> (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<p>The primary objective of this project is to rehabilitate the three dam outlets while the existing pipelines have sufficient integrity to allow a Cast-In-Place-Pipe liner. If the condition of these outlets deteriorates significantly more, the CIPP installation is no longer feasible and the only option is a full cut and cover replacement of the outlet pipelines which would cost approximately 5 to 6 times the cost of the CIPP liner. Our objective is to maintain the existing storage in our system for the next 100 years at the lowest cost.</p>	



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Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<b><u>Task 1 – Goodenough #2 Outlet Rehabilitation</u></b>
Description of Task:
Installation of a Cast-In-Place-Pipe liner in the existing 234-foot long 12” diameter steel pipe outlet of the Goodenough #2 Reservoir.
Method/Procedure:
This project is intended to extend the life expectancy of the outlet pipe by placement of an internal liner by use of the Cured-in-Place Pipe (CIPP) method. CIPP method involves insertion of a liner through the pipe by inversion (pushing the liner through the pipe with air or water pressure by inverting it like a sock). After liner insertion into the pipe, the liner is inflated with either air or water pressure to press it against the interior surface of the pipe and then the liner is hardened by using a curing process. The selected contractor uses a steam cured method. Also note that detailed engineering for these outlets indicated that there are no signs of significant seepage along the outlets that would warrant the construction of filter drains and these features are not included in the revised budget. Without signs of seepage, installation of such drains involves unnecessary and potentially risky disturbance of the dam.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Completed installation of the CIPP liner at the Goodenough #2 Reservoir
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Documentation of completed installation.



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<b>Tasks</b>
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<b><u>Task 2 – Gray Dam Outlet Rehabilitation</u></b>
Description of Task:
Installation of a Cast-In-Place-Pipe liner in the existing 213-foot long 18” diameter corrugated metal pipe outlet of the Gray Reservoir.
Method/Procedure:
This project is intended to extend the life expectancy of the outlet pipe by placement of an internal liner by use of the Cured-in-Place Pipe (CIPP) method. CIPP method involves insertion of a liner through the pipe by inversion (pushing the liner through the pipe with air or water pressure by inverting it like a sock). After liner insertion into the pipe, the liner is inflated with either air or water pressure to press it against the interior surface of the pipe and then the liner is hardened by using a curing process. The selected contractor uses a steam cured method. Also note that detailed engineering for these outlets indicated that there are no signs of significant seepage along the outlets that would warrant the construction of filter drains and these features are not included in the revised budget. Without signs of seepage, installation of such drains involves unnecessary and potentially risky disturbance of the dam.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Completed installation of a CIPP liner in the Gray Reservoir outlet pipe.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Documentation of completed installation.



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<b>Tasks</b>
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<b><u>Task 2 – Willow Dam Outlet Rehabilitation</u></b>
Description of Task:
Installation of a Cast-In-Place-Pipe liner in the existing 150-foot long 12” diameter corrugated metal pipe outlet of the Willow Reservoir.
Method/Procedure:
This project is intended to extend the life expectancy of the outlet pipe by placement of an internal liner by use of the Cured-in-Place Pipe (CIPP) method. CIPP method involves insertion of a liner through the pipe by inversion (pushing the liner through the pipe with air or water pressure by inverting it like a sock). After liner insertion into the pipe, the liner is inflated with either air or water pressure to press it against the interior surface of the pipe and then the liner is hardened by using a curing process. The selected contractor uses a steam cured method. Also note that detailed engineering for these outlets indicated that there are no signs of significant seepage along the outlets that would warrant the construction of filter drains and these features are not included in the revised budget. Without signs of seepage, installation of such drains involves unnecessary and potentially risky disturbance of the dam.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Completed installation of a CIPP liner in the Willow Reservoir outlet pipe.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Documentation of completed installation.





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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.



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## Performance Requirements



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**Water Supply Reserve Fund**  
**EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs**

**Date: August 3, 2020**

**Water Activity Name: Leroux Creek Reservoir System, Dam Outlet Rehabilitation**

**Grantee Name:**

Task No. <sup>(1)</sup>	Description	Start Date <sup>(2)</sup>	End Date	Matching Funds (cash & in-kind) <sup>(3)</sup>	WSRF Funds (Basin & Statewide combined) <sup>(3)</sup>	Total
1	Goodenough #2 Outlet Rehabilitation	5/1/2018	12/31/2020	\$ 19,702	\$ 74,340	\$ 94,042
2	Gray Outlet Rehabilitation	5/1/2018	12/31/2020	\$ 19,042	\$ 71,850	\$ 90,892
3	Willow Outlet Rehabilitation	7/1/2020	12/31/2020	\$ 14,261	\$ 53,810	\$ 68,071
<b>Total</b>				\$ 53,005	\$ 200,000	\$ 253,005

**(1)** The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

**(2)** Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution