



BUREAU OF
RECLAMATION



WaterSMART:
Small-Scale Water Efficiency Project
NOFO No. R22AS00195

Bear River Canal Company
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Technical Proposal and Evaluation Criteria

Executive Summary

Applicant Information

Date: April 28, 2022

Applicant Name: Bear River Canal Company (BRCC)

City, County, State: Tremonton, Box Elder County, Utah

Project Manager:

Trevor Nielson, General Manager

Bear River Canal Company

435-257-5975

trevor@brcanal.com

Requested Reclamation Funding: \$100,000; **Total Project Costs:** \$220,930

One Paragraph Project Summary

Provide the location of the project, work that will be carried out, any partners involved, expected benefits and how those benefits relate to the water management issues you plan to address.

BRCC owns and operates roughly 124 miles of canals that distribute and deliver irrigation water across 65,490 acres. The project consists of installing automated meters at three diversion sites in the system. It will better manage over 272,000 acre-feet of water throughout the delivery system, reducing spills at the end of the canals of over 6,572 acre-feet annually, allowing BRCC to coordinate with its existing automation equipment.

Project Timeline

State the length of time and estimated completion date for the proposed project including the construction start date (month/year).

The project start date is based on the award notice being made Jan/Feb 2023, with Reclamation preparing the Categorical Exclusion (CE) in Feb/Mar 2023. The bid and contracts should be ready in Mar/Apr 2023. Installation and construction of meter and piping for the Whitaker Flume in Mar-May 2023, meter installation of 45I Check and Lateral D Check should be Apr-June 2023 with telemetry setup at the same time, and final set up by October. Final report and project closeout by Dec 2023-Jan 2024.

Federal Facility

Is the proposed project located on a Federal facility?

No. However, all of the water delivered to BRCC comes through PacifiCorp, which has senior rights to the flows stored in Hyrum Reservoir, a Reclamation Project. Hyrum Reservoir provides water to run the PacifiCorp hydroelectric facility on the Bear River. PacifiCorp has an obligation to deliver all BRCC's irrigation water through Cutler Reservoir.

Project Location

Provide detailed information on the proposed project location or project area including a map showing the geographic location.

Geographic Location: The Bear River Canal Company service area is located in Box Elder County, Utah, and covers almost the entire lower half of the county. The service area is five

miles north of Brigham City, Utah, in Northern Utah. Please see Attachment A – Project Location Map for the latitude and longitude of each meter project.

Technical Project Description

Provide a more comprehensive description of the technical aspects of your project, including the work to be accomplished and the approach to complete the work. This description should provide detailed information about the project including materials and equipment and the work to be conducted to complete the project. This section provides an opportunity for the applicant to provide a clear description of the technical nature of the project and to address any aspect of the project that reviewers may need additional information to understand.

The project consists of installing three automated diversions. All automation sites will be hosted on a central telemetry system enabling the gates to share information and real-time monitoring and adjustment.

The three automated diversion projects include:

1. *Whitaker Flume*: A Rubicon Flume Gate (FGB-1370-1273) will be installed, and the leaky flume will be converted into a pipeline, allowing BRCC greater control, water measurement, and efficiency. This location is also critical for the accurate application of aquatic weed control.
2. *45l Check*: A Rubicon Flume Gate (FGB-0760-0866) will be installed. This site is located at the end of the Iowa String Canal and will be used in coordination with the Head of Iowa String automation.
3. *Head of Lateral D and Check*: Two Rubicon Flume Gate (FGB-1370-1273) will be installed. This site is a division point in the canal. It will be used in coordination with existing automation equipment located at the Division of Lateral E and B and the Lateral F, E, and B sites. Control and real-time monitoring at this site will help eliminate spills and dynamically manage flows, increasing efficiency.

Evaluation Criterion A – Project Benefits

Benefits to the Category A Applicant's Water Delivery System: Describe the expected benefits to the Category A applicant's water delivery system. Address the following:

Clearly explain the anticipated water management benefits to the Category A applicant's water supply delivery system and water customers.

BRCC owns and operates roughly 124 miles of canals that distribute and deliver irrigation water across 65,490 acres. Two main canals come out of Cutler Reservoir, with the West Main Canal on the north side of the Bear River and the Hammond Canal on the south side of the Bear River. PacifiCorp maintains the first 0.7 miles of these two main canals downstream of Cutler Dam. 900 cubic feet per second (cfs) of water flows through BRCC's system during the irrigation season. BRCC employees have many areas where they still have to monitor water levels throughout the system and visually/manually adjust diversions to increase efficiency. Visually monitoring water levels is inefficient, time consuming, and a continual burden on the Company. Water is lost due to over-allocation and is not always caught before the staff notices. This means that a combination of over 6,572 acre-feet of water has been over-allocated and spilled annually at the end of the East, Central, and Hammond West Canals that this project will impact.

BRCC has been slowly implementing automatic canal gates/meters and telemetry to better manage their system. The implementation of remote sensing technologies is a vital need. This is

a significant opportunity for BRCC to leverage science and technology to improve water supply reliability and increase efficiency levels throughout their canal system.

Explain the significance of the anticipated water management benefits for the Category A applicant's water delivery system and customers. Consider:

- *Are customers not currently getting their full water right at certain times of year?*
Yes. The proposed project conserves water and implements measurement and telemetry equipment to improve water delivery to users. Often, one of these canals will be dry at the end, and another will have excess water, resulting in spills at the end of the canal. This project would give BRCC a greater capacity to adjust the flows in real-time to provide the correct and consistent amount of water through the canals. This will ensure that each end-user receives the proper flow based on their shares. During severe drought years like 2021, individual water users may receive less water. Having the right equipment to measure, adjust, and track water usage will ensure everyone gets a fair water allocation.
- *Does this project have the potential to prevent lawsuits or water calls?*
Yes, as described above, there is often excess water in one canal and no water in another. The measurement and telemetry systems will ensure a fair water allocation, and this is becoming more important as drought impacts the overall water allocation to BRCC and downstream shareholders.
- *What are the consequences of not making the improvement?*
As the current drought reduces the overall allocation to BRCC, shareholders have to divide increasingly smaller amounts of water. If current practices are continued, there is the potential for unfair distribution through the system, leading to potential crop loss and conflicts between BRCC management and shareholders. The proposed project would ensure fair distribution of available water.
- *Are customer water restrictions currently required?*
Due to the drought, water restrictions were implemented during the 2021 irrigation season. The Governor of Utah just declared a state of emergency because almost every reservoir in the state is below 60 percent of normal. It is anticipated that with the extreme drought conditions, restrictions may be required in 2022.
- *Other significant concerns that support the need for the project.*
Many farmers and ranchers in our area could not feed their livestock this past year and had to sell cattle out of state. This impacted meat prices and will for years to come as it takes farmers and ranchers years to rebuild their herds. Every cow sold represents a \$555 loss to the local economy, according to Craig Buttars, Commissioner of the Utah Department of Agriculture and Food, in an Op-Ed article in the Deseret News on July 17, 2021. This automation project will allow BRCC to better manage their water and reduce over-allocation to certain areas within the delivery system.

Broader Benefits: Describe the broader benefits that are expected to occur as a result of the project. Consider:

- *Will the project improve broader water supply reliability at sub-basin or basin scale?*
Yes. Automation will provide real-time changes in the flow that reduce losses and allow water to be stored in Bear Lake for use later in the season or discharged through the Bear River to the Great Salt Lake. BRCC understands that conserving water during drought

years is especially important in ensuring that all of Utah's water users receive a fair water allocation. BRCC has the largest service area in Northern Utah, covering 65,500 acres; therefore, any steps they can take towards becoming more drought resilient will have an effect that reaches beyond their borders.

- *Will the proposed project increase collaboration and information sharing among water managers in the region? Please explain.*

The project will allow for real-time water measurement data shared between water managers in the region. Significant environmental users exist at the end of the canal system, including duck clubs and the Bear River Migratory Bird Refuge. The real-time measurements can be reported and adjusted in collaboration with the managers of these properties. Bear River Canal Company is also an active participant in collaborative field days at which it has been sharing its advances in automation and measurement for other water managers to inform other water managers of potential advances in water management and measuring.

- *Will the proposed project positively impacts/benefit various sectors and economies within the applicable geographic area (e.g., impacts to agriculture, environment, recreation, and tourism)? Please explain.*

Primarily, this project will provide a more balanced water supply to the agricultural, secondary, and environmental shareholders in the BRCC service area, allowing them to have a reliable water source to produce more crops and improve their revenues. Utah's recent drought years have significantly reduced crop yields by 50 percent in Northern Utah, requiring ranchers to sell off cattle because of lack of feed or purchase feed from others across state lines. As the years go by with no sign of improved drought conditions, installing the proposed automation measurement and telemetry equipment is becoming more and more critical to establishing drought resiliency for BRCC's agricultural sector.

The potential water savings in BRCC's system could be stored in Bear Lake and eventually released through the Bear River to the Great Salt Lake, providing much-needed relief to the environmental and recreational areas.

- *Will the project complement work being done in coordination with NRCS in the area (e.g., the area with a direct connection to the districts water supply)? Please explain.*

BRCC is working with NRCS on two potential funding sources: the PL-566 Watershed Program and the two NRCS Strategic Fund Pools. The proposed projects for these sources include piping and lining canals that will also increase the system's efficiency and assist in accomplishing the goals of this project. BRCC works regularly in with the NRCS through the local conservation district to dovetail their projects with on-farm projects currently being install through the BRCC system.

- *Will the project help address drought conditions at the sub-basin or basin scale? Please explain.*

The project will help address the effects of drought conditions in the basin by increasing the efficiency of the water delivery system and allowing more subbasin storage water be available to other system users. An increase in efficiency will stretch the available water and allow for fair distribution of that water.

Evaluation Criterion B – Planning Efforts Supporting the Project

Plan Development: Describe how your project is supported by an existing planning effort. Identify the planning effort and who developed it. If the planning effort was not developed by the Category A applicant, describe the Category A applicant's involvement in developing the planning effort.

BRCC completed a companywide Water Conveyance Facility Safety Management Plan in January 2015, and in 2019, BRCC developed a system-wide Water Conservation and Management Plan (2019 Plan). Goals, needs, and priorities were developed as part of that Water Conservation and Management Plan. Stakeholders were interviewed and met with the Canal Company board on several occasions to determine the needs of the Company. A list of priority projects was reviewed, rated, and ranked to select the highest priority projects. See Attachment B – 2019 Plan Pages.

Support for the Project: Describe to what extent the proposed project is supported by the identified Plan. Address the following:

- *Is the project identified specifically in the planning effort?*
Yes, the projects are identified in the 2019 Plan on page 30. These automation projects are listed as priority projects in the 2019 Plan to help automate gates for better water management.
- *Explain whether the proposed project implement a goal or address a need or problem identified in the existing planning effort?*
BRCC completed a companywide Water Conveyance Facility Safety Management Plan in January 2015 and in their 2019 Plan, addressing these projects as part of their goals, needs, and priorities. This project addresses and is working to implement many of the highest rated projects. These projects were rating through an automation and telemetry master plan developed by BRCC in 2021-2022. BRCC is still in early stages of implement its automation and telemetry system. These points are some of the most critical locations and are keystones to the build out of an effective macro automation system.

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

The 2019 Plan outlines priority projects and objectives and identifies installing 27 separate measurement and telemetry stations at key locations throughout the system. The proposed meter locations are listed as high priority projects in the 2019 Plan and are based on the Plan's evaluation criteria.

Figure 1 Rating and Ranking Criteria

Objective Type	Objective	Metric (method of measurement)
Water Supply	Secure Existing Water Supply	Added Supply (Acre Feet)
		Approximate Percent of Service Area that
	Improve Mobility of Water Supplies	Improved Flow Adjustment Time
		# Of Automated Diversions
Improve Water Conservation	Volume Conserved (Acre Feet)	
	Canal Bank Soil Permeability	
Financial	Minimize Costs	*Debt Service and Operation and Maintenance Costs for 50 Year Life Cycle (\$/Acre Feet/Year)
	Obtain Funding Assistance	Grant Availability (Likelihood)
	Increase Future Revenue	Increase In Annual Revenue
O&M/Safety	Maintain Existing System	Reduction in Required Maintenance
	Improve Operations	Improved Ease of Operation
	Improve Hillside Stability	Water Removed from Hillside
	Improve Channel Reliability	Resistance to Failure
	Make Improvements in Risk Areas	Risk Class from Safety Management Plan
Environment	Maintain Flows To Bird Refuge	Maintain Flow To Bird Refuge
	Improve Water Quality	Magnitude Of Improvement

Using and implementing the following criteria helped determine these projects as a "High Priority." The rating was based on how the project would help reduce over-allocations, water conservation, and ease of operations, including automation and technology and the percent of the service area that will be impacted from the project. The project was then rated as either a 0, 1, 2, or 3, with 0 and 1 being the highest prioritized projects. The criteria used for rating and ranking all the projects within the 2019 Plan are included in Figure 1 above.

Evaluation Criterion C – Project Implementation

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 project will occur within the two years allowed by the grant. BRCC has made several inquiries with meter companies on the estimated cost for the meters and pipe. They have also worked to pre-approve contractors to help them understand the estimated cost of the site work needed to install the meters and pipeline and move forward quickly through the bidding process.

Task	Jan – March 2023			April – June 2023			July – Jan 2024			
Grant Award	J	F								
CE Prepared by Reclamation		F	M							
Bid/Contracts			M	A						
Meter/piping installation - Whitaker Flume			M	A						
Meters - 451 Check & Head of Lateral D and Check				A	M	J				
Telemetry setup				A	M	J	Jul	A	S	O
Final Report/Project closeout									D	J

Project Milestones:

Grant Award:	Jan/Feb 2023
CE Prepared by Reclamation:	Feb/Mar 2023
Bid/Contracts:	Mar/Apr 2023
Meter/Flume Installation – Whitaker Meter and Pipe:	Mar/Apr 2023
Meter installation – 451 Check and Lateral D Check:	Apr/June 2023
Telemetry setup:	Apr/Oct 2023
Final Report/Project Closeout:	Dec 2023-Jan 2024

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

No permits will be required.

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

The project requires little design work and will be performed before the award.

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

No new policies or administrative actions will be required.

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?

Based on two or more previous and similar metering projects completed by BRCC, the cost for Reclamation to prepare the CE was within the cost associated with the budget, ranging from \$2,000 to \$4,000, with the average being \$3,000. The timeline for completing the CE has not been discussed based on this particular project but has been discussed in previous projects. BRCC is familiar with the process and plans on scheduling these service upon notification of award.

Evaluation Criterion D – Nexus to Reclamation

Is the proposed project connected to a Reclamation project or activity? If so, how? Please consider the following:

- *Does the applicant receive Reclamation project water?*
BRCC receives water through Cutler Reservoir. Cutler Reservoir belongs to PacifiCorp, which has senior rights to the flows stored in Hyrum Reservoir, a Reclamation Project. Hyrum Reservoir provides water to run the PacifiCorp hydroelectric facility on the Bear River. PacifiCorp has an obligation to deliver all BRCC's water through Cutler Reservoir.
- *Is the Project on Reclamation project lands or involving Reclamation facilities?*
No.
- *Is the project in the same basin as a Reclamation project or activity?*
Yes, the project is in the Bear River Basin, where several Reclamation projects are located.
- *Will the proposed work contribute water to a basin where a Reclamation project is located?*
Yes, the project will conserve water and reduce losses, and will help contribute to the storage and potential flows in the Bear River and eventually to the Great Salt Lake. The Bear River is the main tributary to the Bear River Migratory Bird Refuge and the Great Salt Lake. By reducing the over-allocation of water throughout the system, water will be conserved and allowed to remain in the Bear River and enhance habitats and recreational opportunities.

Will the project benefit any tribe(s)?

No, the project will not have a direct benefit to Indian tribes.

Evaluation Criterion E – Presidential and Department of the Interior Priorities

Sub-criterion No. E1. Climate Change

Combating the Climate Crisis E.O. 14008: Tackling the Climate Crisis at Home and Abroad, focuses on increasing resilience to climate change and supporting climate- resilient development. For additional information on the impacts of climate change throughout the western United States, see:

<https://www.usbr.gov/climate/secure/docs/2021secure/2021SECUREReport.pdf>.

Please describe how the project will address climate change, including:

- *Please provide specific details and examples on how the project will address the impacts of climate change and help combat the climate crisis.*
Perhaps the most significant impact climate change has had on the State of Utah is the drying of the Great Salt Lake. As the lake dries, the lakebed is exposed, and the fine, potentially toxic sediments enter the air column as dust. Habitat for the wide range of migrating waterfowl is reduced, and the local economy suffers.

According to research performed by Utah State University, the dust from the lakebed of the Great Salt Lake contains pollution from urban and agricultural inputs and includes heavy metals such as arsenic.

Bear River Canal Company's (BRCC) water is sourced from the Bear River through Cutler Reservoir. As BRCC reduces its water consumption by implementing water conservation measures that increase water delivery efficiency, less water could be diverted, allowing for more water availability within the Bear River and eventually into the Great Salt Lake.

- *Does this proposed project strengthen water supply sustainability to increase resilience to climate change? Does the proposed project contribute to climate change resiliency in other ways not described above?*

Molly Blakowski, one of the researchers involved in the study out of Utah State University on the dust blowing off of the Great Salt Lake, attributed the lake's current state to climate change and unsustainable water use. A more efficient canal system is one step closer to water supply sustainability and increased resilience to climate change.

Sub-criterion No. E2. Disadvantaged or Underserved Communities Points will be awarded based on the extent to which the project serves economically disadvantaged or underserved communities in rural or urban areas.

Will the proposed project serve or benefit a disadvantaged or historically underserved community? Benefits can include, but are not limited to, public health and safety by addressing water quality, new water supplies, or economic growth opportunities. Please describe in detail how the community is disadvantaged based on a combination of variables that may include:

The demographic characteristics of BRCC's service area are diverse and complicated because of the large agricultural properties in the area and the small rural communities. By nature, farming communities have always been considered areas of persistent poverty based on their underemployment, high housing cost burden, availability of housing, and substandard housing. The area's disadvantaged community is greatly influenced by housing demand. Population growth, income, economic conditions, and other characteristics are all factors that influence the types of housing and units desired by the community. More housing for older adults is needed. Other groups with housing needs include minorities, who make up 13 percent of the population and are more likely to live at or below the poverty level. Approximately 36 percent of households in the County earned under \$35,000 a year, and 21.5 percent or 1 in 5 households in the unincorporated area. Since 2007, the median income in the county has not changed much (6.1 percent). This gradual increase was partly due to the Great Recession. Affordable housing is in greater demand today than at any other time due to inflation and household incomes rising at a slower rate. Sources: Box Elder County Moderate Income Housing 2019 Plan and U.S. Census Bureau, 2007, 2016g.

If the proposed project is providing benefits to an underserved community, provide sufficient information to demonstrate that the community meets the underserved definition in E.O. 13985, which includes populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life.

N/A

Sub-criterion No. E.3. Tribal Benefits Points will be awarded based on the extent to which the project will honor the Federal government's commitments to Tribal Nations.

- *Does the proposed project directly serve and/or benefit a Tribe? Will the project improve water management for a Tribe?*

N/A

- *Does the proposed project support Tribal resilience to climate change and drought impacts or provide other Tribal benefits such as improved public health and safety by addressing water quality, new water supplies, or economic growth opportunities?*

N/A

Overlap or Duplication of Effort Statement

Applicants must provide a statement that addresses if there is any overlap between the proposed project and any other active or anticipated proposals or projects in terms of activities, costs, or commitment of key personnel. If any overlap exists, applicants must provide a description of the overlap in their application for review.

This is not a duplicative proposal for any other reclamation application, only a matching funds request from Proctor & Gamble in partnership with Business for Water Stewardship Bonneville Environmental Fund (BEF), which has been awarded and will serve as a small part of the matching funds for this project.

Project Budget

Funding Plan and Letters of Funding Commitment

Describe how the non-Federal share of project costs will be obtained.

BRCC will use BEF's \$26,590 to provide a portion of the match. BRCC will use their water share assessment to fund the remaining \$94,340.

Identify the sources of the non-Federal cost share contribution for the project, including:

- *Any monetary contribution by the applicant towards the cost-share requirement and source of funds (e.g., reserve account, tax revenue, and/or assessments)*

BRCC has committed \$94,340 from its cash reserve account.

- *Any costs that will be contributed by the applicant*

N/A

- *Any third-party in-kind costs (i.e., goods and services provided by a third party)*

N/A

- *Any cash requested or received from other non-Federal entities*

BEF funds were awarded in March 2022 for \$26,590.

- *Any pending funding requests (i.e. grants or loans) that have not yet been approved, and explain how the project will be affected if such funding is denied*

N/A

Budget Proposal

Table 1 - Summary of Non-Federal and Federal Funding Sources

Funding Sources	Amount
Non-Federal Entities	
1. BEF funds awarded in March 2022	\$26,590
Requested Reclamation Funding	\$26,590

Table 2 – Total Project Cost Table

Source	Amount
Costs to be reimbursed with the requested Federal funding	\$100,000
Costs to be paid by the applicant	\$94,340
Value of third-party contributions	\$26,590
Total Project Cost	\$220,930

Table 3 – Budget Proposal

Budget Item Description	Computation		Quantity Type	Total Cost
	\$/Unit	Quantity		
Salaries and Wages				\$0.00
Fringe Benefits				\$0.00
Equipment				\$0.00
Supplies and Materials				\$0.00
Contractual /Construction				\$217,930
Whitaker Flume Automation & Piping	\$117,310/EA	1	EA	\$117,310
45I Check Automation	\$31,440/EA	1	EA	\$31,440
Head of Lateral D and Check Automation	\$69,180/EA	1	EA	\$69,180
Third-Party In-Kind Contributions				\$0.00
Other – Environmental CE				\$3,000
Total Direct Costs				\$220,930
Indirect Costs				\$0.00
Type of rate	Percentage	\$base		\$0.00
Total Estimated Project Costs				\$220,930

Budget Narrative

Salaries and Wages

No BRCC Salaries or Wages will be included. All services will be contracted. BRCC's staff time will be over and above the project's cost and will not be counted toward the project cost.

Fringe Benefits

No fringe benefits will be required.

Travel

No travel will be necessary.

Equipment

N/A

Materials and Supplies

N/A

Contractual

To determine unit costs included in the cost estimate for this Project, BRCC relied upon contract unit prices from similar projects recently completed and bids from Rubicon and Campbell Scientific. BRCC will follow its procurement process for procuring a contractor for this project. The contractual costs shown are estimates for each component to furnish and install the meters, flumes, and telemetry. Generally, the low bidder will be selected based on a determination of acceptable qualifications.

Third-Party In-Kind Contributions

No third-party in-kind contributions.

Environmental and Regulatory Compliance Costs

The environmental costs have been listed under Other Expenses. A Categorical Exclusion will be developed by Reclamation, estimated at \$3,000 based on past projects of this type.

Other Expenses

A Categorical Exclusion will be developed by Reclamation, estimated at \$3,000 based on past projects of this type.

Indirect Costs

No indirect costs will be part of the project.

Total Costs

Total Project Costs: \$220,930; Federal Cost Share: \$100,000; Non-Federal Cost Share: \$120,930

Environmental and Cultural Resources Compliance

- *Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.*

Impacts will be those associated with installing meters within the canal. The project improvements will take place entirely within the existing rights-of-way. In the past, similar projects have had minimal impacts.

- *Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?*
BRCC is not aware of any impacts concerning threatened or endangered species in this area.

- *Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "Waters of the United States?" If so, please describe and estimate any impacts the proposed project may have.*
BRCC is not aware of any impacts to wetlands in this area.
- *When was the water delivery system constructed?*
The system was constructed between 1887 and 1930s. Many improvements have been made over the years.
- *Will the proposed Project result in any modification of or effects to, individual features of an irrigation system (e.g., headgates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.*
No.
- *Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.*
BRCC is not aware of any buildings, structures, or features that would qualify.
- *Are there any known archeological sites in the proposed project area?*
BRCC is not aware of any locations of archeological sites.
- *Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?*
No, the project will not require a right-of-way or relocations from adjacent properties and will have no impact on residential uses within the study area.
- *Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?*
No.
- *Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?*
No.

Required Permits or Approvals

Applicants must state in the application whether any permits or approvals are required and explain the Plan for obtaining such permits or approvals.

No permits are expected to be required. All the work is within the canal right-of-way and not within any streets or rivers.

Letters of Support for the Project

Include letters from interested stakeholders supporting the proposed project.

Proctor & Gamble in partnership with Business for Water Stewardship Bonneville Environmental Fund (BEF). See Attachment C – Letter of Funding Commitment.

Official Resolution

Include an official resolution adopted by the applicant's board of directors or governing body. The official resolution may be submitted up to 30 days after the application deadline.

The Official Resolution for the Bear River Canal Company (BRCC) Metering Project will be submitted within 30 days after the application deadline.



Trevor Nielson
General Manager
Bear River Canal Company
276 North 1600 East
Tremonton, Utah 84337
trevor@brcanal.com

March 3, 2022

Dear Trevor:

Procter & Gamble, in partnership with Business for Water Stewardship, is delighted to be able to support the Bear River Canal Company in your efforts to improve water efficiency and enhance wetlands in the Lower Bear-Malad basin. We wholeheartedly support the expected benefits resulting from this project, including the increase in available water for people and wetland habitats.

For P&G, water is essential for both the manufacture and use of our products and we are constantly looking for ways to do our part in the conservation and restoration of this precious resource. Your important work aligns with our Ambition 2030 Environmental Sustainability goal to protect water for people and nature in priority basins.

Your project, along with several others, will make up P&G's portfolio of funded water stewardship projects in the Bear River Basin as part of our efforts to address water challenges in priority basins around the world. We are excited to support the Bear River Canal Company Measurement and Telemetry Project – Phase 1 and learn from all project partners along the way as you work to realize tangible benefits for the region.

We would like to celebrate with you virtually in April and work with you to bring attention to this important work in May 2022. Please, refrain from publicly announcing the funding award until you receive more information from P&G and BWS.

Thank you for the role you will play in addressing the water challenges in the basin. We look forward to meeting you in the coming weeks and learning more about your innovative work over the next year.

Kind regards,

A handwritten signature in black ink, appearing to read 'Virginie Helias', is positioned above the printed name.

Virginie Helias
Chief Sustainability Officer
Procter & Gamble