

Enterprize Canal Company LTD Master Water Plan:  
Modernizing and Expanding our Existing Water Conservation Plan

FOA No. R22AS00105 Columbia-Pacific Northwest Region  
CATEGORY: Water Management and Conservation Planning

APPLICANT:

Enterprize Canal Company LTD.  
4861 N 44th E  
Idaho Falls, ID 83401  
PO Box 583  
Ririe, ID 83443

PROJECT MANAGER:

Darrel Ker  
4861 N 44th E  
Idaho Falls, ID 83401  
darrelker@gmail.com  
208.313.3492

**Table of Contents**

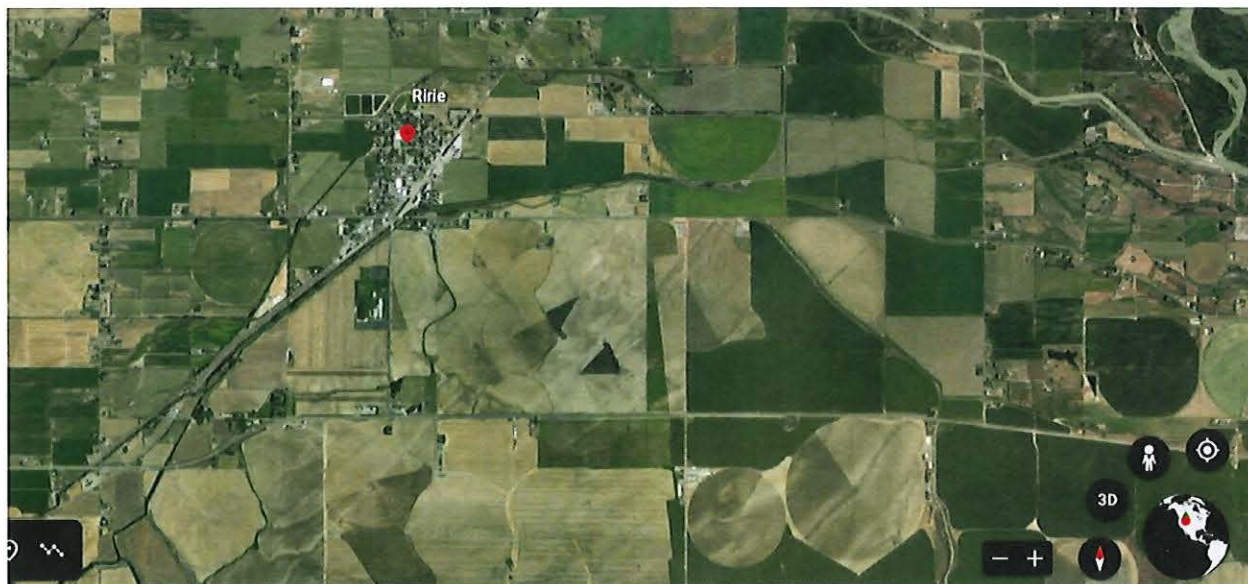
Background..... 3  
Technical Description.....4  
Project Schedule.....5  
Budget Narrative.....5  
Official Resolution.....7  
Conflict of Interest Disclosure.....8

## Background.

We are located in the Columbia Plateau, or the Columbia Intermontane region, in southeast Idaho. The Enterprize Canal began operating circa 1910 to provide water to citizens and farms in the Bonneville and Jefferson counties in Idaho. The head of the canal feeds directly from the Snake River near the Heise area at the base of the Rocky Mountain foothills.

Over the last several years we have put great effort into improving our canal and improving its efficiency. We have used GPS to re-level several miles of the base of the canal as well as straighten and fortify the banks. We are continuing with this project in addition to our most recent project: adding automated headgates in several needed areas (gratefully made possible by a WaterSmart grant).

Our current conservation plan is sorely outdated and lacking. It was created in 1988 when we first started working with the Bureau of Reclamation. (We have always had a contract with the Bureau, but the late 1980s was the first time that we began actively working with the Bureau of Reclamation.) It was a start for us but much has changed over the past 30 years and little, if anything, has been done to update that plan as times have changed. Although we have regular board meetings and have verbalized several goals and plans of action, none of those things have been formally set aside or added to our conservation plan. As we have been working with the Bureau of Reclamation, we have realized what a valuable asset an updated conservation plan can be in unifying our board and patrons as well as giving us a clear forward trajectory for the progress and improvement of our canal.



## **Technical Description.**

In order to update our conservation plan, the first step will be consolidating all the information, data, and records we already possess. The next step will be to collect more data over this summer's season while also determining some short-term goals (1, 2 and 5 years). At this point we will also want to establish some long-term goals (10 and 20 years), as well as begin compiling our data into one document. In addition to our goals and water usage records, we would like to do a full inventory to ensure that our water users and their designated water rights are accurate in our records. With those updated records we want to assess and record the water need vs. right vs actual usage. We feel that this accurate data would allow us to make more informed decisions and eliminate potential conflict with patrons.

A lot of the data we get is issued through the State of Idaho or other water governing entities. If we had the ability to do our own assessments, we would have accurate accounts that pertain to just our canal in addition to the general reports we already receive. We realize it will take several years of collecting and assessing data to have the most accurate information. Although we have records for previous years, those records are not as detailed as they would be if we could start assessing our canal and usage ourselves.

This year we anticipate being a challenging year with very little water available due to consecutive drought years and low snowpack. One opportunity we see from this situation is being able to assess our current system in one of its driest years. We would like to use this information to create and incorporate contingency plans for drought plans as well as surplus years. Climate change has made water supplies increasingly unpredictable, but we are hopeful that this data will help prepare future water users for years to come.

Once we have all our data compiled, we would like to organize it into easily readable graphs and tables. We want to assess areas of potential water savings so we can optimize those savings. Any saved water are able to lease out for income (which our contract with the Bureau of Reclamation allows). Those funds return back to the canal to help us be more self-reliant and allow us to continue improving our structures. More efficient structures also means less repair work which would reduce a lot of carbon emissions. If we could install efficient structures once, that would ultimately be less machinery emissions than if we have to repair and reinstall less efficient structures several times over the course of a few years.

Updating our water conservation plan and gathering canal specific data has been something we have wanted to do for years, but have been overwhelmed at the process. As we have worked with our local officials the last couple of years, we feel ready to start this daunting project. If selected for this grant, the funds would help us to get the proper meters in place to really start collecting the data we need.

**Project Schedule.**

We anticipate this project taking approximately 21 months to compete, beginning July 1, 2022 and ending March 31, 2024. An outline of our proposed schedule follows.

<b>DATE</b>	<b>FOCUS</b>	<b>Tasks</b>
July-September	Collecting data, Short-term goals	Water need, water usage, potential savings; 1, 2, and 5 year goals
October-February	Organizing data, Set long-term goals	Formatting and writing of plan; set 10 and 20 year goals
March-September	Confirm collected data, Add additional data	Assess previous year’s data with current year data,
October-November	Create water forecast,	Determine patterns in data
December-March	Finalize plan, Publish plan	Additional formatting and writing, online and physical distribution of updated plan

**Budget Narrative.**

We have a portfolio of individuals with whom we regularly contract to complete work. The numbers below are based on the rates of those individuals.

<b>Task</b>	<b>Sub-task</b>	<b>Rate</b>	<b>Unit</b>	<b>Totals</b>
Data Collection				
	Tracking Meter	\$5000	3	\$15,000
	Meter Installation	\$1000	3	\$3000
	Tracking analysis	\$9000	n/a	\$9000
	State data collection	\$50	10	\$500
Writing of Plan				
	Graphing data	\$75/hr	35	\$2625
	Formatting plan	\$75/hr	25	\$1875
	Water usage assessment & compilation	\$50/hr	100	\$5000
Distribution				
	Hard copies	\$15/ea	50	\$750
	Email	\$50/hr	1	\$50
				<b>\$37,800</b>

With our total estimates listed above, we are requesting a total of \$18,900 in federal grants funds while we provide the remaining \$18,900 from our own funds. We receive an annual assessment of \$60,000 and we have some funds available from our lease contracts. We are confident that we can easily meet the 50% cost share requirement. Additionally we know we are responsible to cover any additional funds accrued during this project.

<b>Funds Allocated</b>	<b>Total</b>	<b>Percentage</b>
Federal Funds Requested	\$18,900	50%
Enterprize Funds Contributed	\$18,900	50%
<b>Total Cost</b>	<b>\$37,800</b>	<b>100%</b>

**Official Resolution.**

ENTERPRIZE CANAL COMPANY LTD  
OFFICIAL RESOLUTION NO. 2022-001

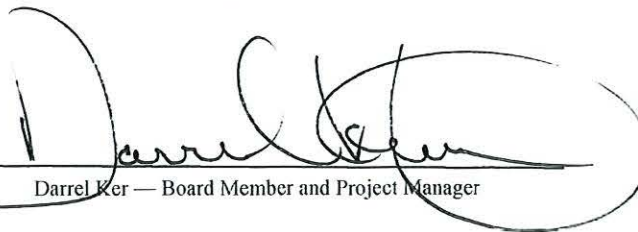
We, the Chairman of the Board of Directors, Board Member and Project Manager, and Secretary of the Enterprize Canal Company LTD authorize the submission of this grant proposal to be submitted to the U.S. Bureau of Reclamation for consideration for the Water Conservation Field Services Program: Financial Assistance for Fiscal Year 2022 Funding Opportunity Announcement No. R22AS00105.

We hereby declare that, if selected for FOAN R22AS00105, we will provide the required funding and in-kind contributions specified in our funding plan. We agree to work with the U.S. Bureau of Reclamation to meet all the established deadlines.

This resolution was discussed and unanimously adopted during a board meeting of the Board of Directors of the Enterprize Canal Company LTD on April 27, 2022. This resolution was signed and declared by the participating individuals on April 28, 2022.



Harold Jones — Chairman of the Board



Darrel Ker — Board Member and Project Manager



Utona Garcia — Secretary

**Conflict of Interest Disclosure.**

- A. *Applicability.* No actual or potential conflicts of interest have been identified in our organization.
- B. *Notification.* Should any conflict of interest arise, the Enterprize Canal Company LTD shall notify the DOI awarding agency or pass-through entity.
- C. *Restrictions on lobbying.* We do not participate in lobbying activities.
- D. *Review procedures.* Should a conflict of interest arise, we agree to work with the proper officials to resolve the conflict(s).
- E. *Enforcement.* We understand the enforcement consequences should we choose not to comply or cannot agree on a way to resolve the conflict of interest.