

Egin Bench Canals Inc. SCADA and Remote Operations Project

Small Scale Water Efficiency WaterSMART Grant Proposal 2019
Funding Announcement: BOR-DO-19-F005



Saint Anthony Union Feeder Canal Head-gate

APPLICANT:

Egin Bench Canals Inc.
350 North 6th West
PO BOX 15
Saint Anthony, Idaho 83445

PROJECT MANAGER:

Aaron Dalling
(208) 624-3381
aaron.fmid@myidahomail.com

Table of Contents

1. Executive Summary.....	1
Applicant Info	1
Project Summary.....	1
Schedule	1
Federal Facility.....	2
2. Background Data	2
Project Location	2
Water Supply.....	2
Source of water supply and water rights involved.....	2
Current water uses and number of water users served	3
Current and projected water demand/ Potential shortfalls in water supply	3
Water Delivery System.....	3
Relationship with Reclamation.....	4
3. Technical Project Description	4
4. Evaluation Criteria.....	5
Evaluation Criterion A- Project Benefits	5
Evaluation Criterion B- Planning Efforts Supporting the Project.....	6
Evaluation Criterion C- Project Implementation	7
Evaluation Criterion D- Nexus to Reclamation	8
Evaluation Criterion E- Department of Interior Priorities	9
5. Environmental and Cultural Resources Compliance.....	9
6. Required Permits and Approvals.....	10
7. Official Resolution	11
8. Project Budget	11
Funding Plan and Letters of Commitment	11
Budget Proposal	12
Budget Narrative	12

Appendix:

- Appendix A- Canal Delivery System
- Appendix B- Project Location Map
- Appendix C- Official Resolution
- Appendix D- Letters of Support

Egin Bench Canals Inc. SCADA and Remote Operations Project

Small-Scale Water Efficiency Projects FY 2019

1. Executive Summary

Applicant Info

Date: April 24, 2019

Applicant Name: Egin Bench Canals Inc.

City, County, State: Saint Anthony, Fremont, Idaho

Project Manager:

Name: Aaron Dalling

Phone: 208-624-3381

Email: aaron.fmid@myidahomail.com

Project Funding Request: Small Scale Water Efficiency Projects- Total Cost \$133,933.00. Egin Bench Canals is requesting 50% of the total project cost or \$66,966.50 through the WaterSMART program.

Project Summary

A one paragraph project summary that specifies the work proposed, including how project funds will be used to accomplish specific project activities and briefly identifies how the proposed project contributes to accomplishing the goals of this FOA

Egin Bench Canal Inc. (EBC) proposes to install remote operating equipment on 6 main water control structures, flow measurement equipment and telemetry at 4 additional locations and a SCADA (Supervisory Control and Data Acquisition) computer system in our office for data collections and analysis. The project will help manage water more efficiently and promote conservation among water users within our service area. This project will implement one of the alternatives in the 2015 Henry's Fork Basin Study which was coordinated and completed with the help of several partners including Fremont-Madison Irrigation District (FMID) and the Bureau of Reclamation (Reclamation). In the study canal automation/remote operations was identified as one of the most economical means of conserving water in the Henry's Fork River Watershed.

Schedule

The length of time and estimated completion date for the proposed project

The desired start date for the project is October 2019, however this will depend on whether grant funds are obtained. The desired project completion is July of 2020. This will give us the opportunity to use the equipment for part of the 2020 irrigation season.

An environmental document will be prepared as part of the project, and it is anticipated that a Categorical Exclusion will be approved because the project will result in no or very limited ground disturbance and will take place within previously disturbed areas.

Federal Facility

Whether or not the project is located on a Federal Facility

This project will not be located on a federal facility.

2. Background Data

Project Location

All proposed installation of remote operating equipment, flow measurement/telemetry and computer equipment will occur in the Henry's Fork watershed in Idaho. All the proposed locations are in Fremont County except for the spill back to the river which is in Madison County.

There are 5 canal diversion from the Henry's Fork River near Saint Anthony Idaho (Appendix A) where we propose to install remote operation/automation equipment. One additional location we propose to install remote operation/automation is in the Egin area west of Saint Anthony.

Computer equipment and software will be housed in the EBC office in Saint Anthony. The GPS locations of the projects are detailed in table 1.

Table 1-GPS location of the projects

Location Name	Latitude	Longitude	Project Type	County
Last Chance Head-gate	44° 1'7.35"N	111°35'2.76"W	Remote Operation	Fremont
St. Anthony Union	43°59'0.95"N	111°37'48.34"W	Remote Operation	Fremont
Egin Canal Head-gate	43°57'54.84"N	111°41'11.82"W	Remote Operation	Fremont
St. Anthony Feeder	43°57'47.81"N	111°41'29.49"W	Remote Operation	Fremont
Independent Canal	43°57'35.55"N	111°41'59.26"W	Remote Operation	Fremont
New Recharge Canal	43°56'45.35"N	111°52'3.01"W	Remote Operation	Fremont
Egin Lakes	43°57'35.58"N	111°51'5.34"W	Telemetry/Flow	Fremont
Tibbits Pond	43°56'12.66"N	111°53'49.78"W	Telemetry/Flow	Fremont
Canal Spill to River	43°50'29.95"N	111°53'50.27"W	Telemetry/Flow	Madison

Water Supply

Describe the source of water supply, the water rights involved, current water uses (i.e., agricultural, municipal, domestic, or industrial), the number of water users served, and the current and projected water demand. Also, identify potential shortfalls in water supply. If water is primarily used for irrigation, describe major crops and total acres served.

Source of water supply and water rights involved

The Henry's Fork of the Snake River supplies the water for EBC. EBC hold 10 natural flow water rights on the Henry's Fork totaling 1,922 cfs. EBC's natural flow water rights include some of the earliest priorities on the Henry's Fork starting with 1885. These water rights are summarized in Table 2.

Table 2. EBC Water Rights

Water Right	CFS
21-12961	220.0
21-12962	120.0
21-12922	600.0
21-12921	100.0
21-12908	24.0
21-12897	200.0
21-12934	200.0
21-12912	23.0
21-12928	400.0
21-12910	35.0
Total	1,922.0

EBC also holds storage water rights in Island Park and Grassy Lake Reservoirs through FMID. In addition to the FMID water rights, EBC also holds storage water rights in the North Fork Reservoir Company or Henry’s Lake. These storage rights are summarized in Table 3 below.

Table 3. EBC Storage Water Rights

Reservoir	Acre Feet
Henry's Lake Reservoir	49,167
Island Park/Grassy Lake Reservoirs	16,790
Total Storage	65,957

Current water uses and number of water users served

EBC is made up of over 500 shareholders/water users. EBC is responsible for delivering water to each of these shareholders/water users.

Current and projected water demand/ Potential shortfalls in water supply

EBC diverts over 300,000-acre feet of irrigation water on average each year for the irrigation of just over 30,000 acres of primarily high yielding potatoes, wheat, barley and alfalfa. EBC provides irrigation water to some of the most productive farmland in the region. In drought years EBC must rely on storage water held in Henry’s Lake, Island Park and Grassy Lake Reservoirs. Most of EBC’s storage space is held in Henry’s Lake. Henry’s Lake collects water from a small drainage that yields less water than there is space in the reservoir in most years. It is very difficult to refill if drafted heavily in a given year. In drought cycles physical water availability is limited and allocations are reduced. The proposed project will help hold more water in the reservoirs making EBC more drought resilient in potential subsequent drought years or drought cycles.

Water Delivery System

Describe the applicant's water delivery system as appropriate. For agricultural systems, please include the types and appropriate lengths canals and laterals, the number irrigation turnouts and other existing

irrigation improvements. For municipal systems, please include the length of distribution lines, number and size of storage tanks, number of pump stations and capacities, and number of connections and/or number of water users served and any other relevant information describing the system.

EBC diverts irrigation water from the Henry's Fork River in 5 locations. These 5-diversions supply water for 5 canals. They are named the Last Chance Canal, the Saint Anthony Union Canal, The Egin Canal, The Saint Anthony Union Feeder Canal and the Independent Canal. The 5 canals make up over 90 miles of earthen unlined water ways that supply irrigation water for over 30,000 acres. Moving through the system each of these canals come together and spill back to the Henry's Fork of the Snake River. Between where the Saint Anthony Union Canal diverts water from the Henry's Fork northeast of Saint Anthony to where it spills back to the river it covers nearly 30 miles. Adjustments in the flow at the head-gate are not observed at the end of the canal for nearly 30 hours. There are also three locations near the middle of the system where water can be diverted into ponds that double as locations for operational spill during the irrigation season and designated aquifer recharge sites when aquifer recharge water rights are in priority. Aquifer recharge water rights are generally in priority during spring run-off in years when the reservoirs fill. If there is too much or too little water at the end of the canals, adjustments can be made at these three locations to spill more or less water. This results in a much quicker response time for flow adjustments.

Connections

There are approximately 300 canal diversion that deliver water to over 500 water users.

Relationship with Reclamation

Identify any past working relationships with Reclamation. This should include the date(s), description of prior relationships with Reclamation, and a description of the projects(s).

Henry's Fork Basin Study 2015: EBC canal representatives participate in the Henrys Fork Watershed Council which sponsored the Henry's Fork Basin Study. This study identified several alternative for water conservation on the Henry's Fork of the Snake River. One of the most economical alternatives was canal remote operation/automation.

3. Technical Project Description

EBC proposes to install remote operations equipment on the 5-river head-gates and the main head-gate that allows the canals company to spill water or divert water for aquifer recharge near the middle of the system. EBC also proposes to install flow measurement/telemetry equipment at 4 locations. One at the end of the system where it spills back to the Henry's Fork River, and one at each of the three locations where water can be diverted for operational spill or aquifer recharge. Additionally, a Supervisory Control and Data Acquisition and Automation (SCADA) system in the EBC office in Saint Anthony.

The Idaho Department of Water Resources currently measures EBC's spill back to the river. This data is available to us at the end of the irrigation season so we know what we are spilling but we currently do not have the ability to collect real time data when it could help us in our daily decision making. In 2018 EBC spilled an average of 16.5 cfs each day back to the river between April 1st and October 31st. With the installation of the remote operations/SCADA system described above we believe we could reduce this spill by an average of 9 cfs per day. This would result in a water

savings of 3,833-acre feet between April 1st and October 31st each year.

Much of this water would be maintained in Henry's Lake, Island Park and Grassy Lake Reservoirs. Keeping water in these reservoirs will benefit all water users in the Upper Snake Reservoir system and help us be more resilient in potential subsequent drought years. Keeping water in the reservoir also benefits fish habitat in the Henry's Fork River. In many years more water held in the reservoir during the irrigation season results in higher winter flows in the river. These winter flows are critical for the Henry's Fork fishery.

In addition to water savings this will save EBC significant time, vehicle wear and fuel by reducing travel time. As mentioned previously it is nearly 30 miles from the river diversions to the end of the canal where it returns to the river. By installing the proposed project, the water-masters will have access to current flow data without physically seeing it. They will also be able to adjust flows without travel to the physical locations. We believe this will reduce vehicle travel by up to 60 miles per day. Looking at the irrigation season from April 1st to October 1st this project will reduce travel for each irrigation season by 12,840 miles.

4. Evaluation Criteria

Criterion A—Project Benefits (35 points)

- *Describe the expected benefits and outcomes of implementing the proposed project.*
 - *What are the benefits to the applicant's water supply delivery system?*

The proposed project will provide many benefits to EBC' system including:

- Real time flow data at the end of the canal and at the spill locations will allow EBC to make precise management decisions. On most days it is only reasonable to check the flow at these locations once per day. With the installation of the proposed project we will have access to this data in real time and can make multiple adjustments to flow per day if needed. We believe this will save 3,833 acre feet per year.
- Time savings, vehicle wear, and a reduction in our carbon foot print. As described above we estimate this project will reduce vehicle travel by 60 miles per day during the irrigation season or 12,840 miles per year.
 - *benefits are expected explain those as well. Consider the following:*
 - *Extent to which the proposed project improves overall water supply reliability*

Real time flow data and remote operation of the water control structures will help us get to the next level in water conservation. This will result in more water in the reservoirs that can be stored for future drought years.

- *The expected geographic scope benefits from the proposed project (e.g., local, sub-basin, basin)*

The proposed project will specifically benefit the Henry's Fork Basin. It will also benefit the entire Upper Snake System. This project will help keep more water in the reservoirs making them easier to fill each winter. Once Henry's Lake, Island Park and Grassy Lake Reservoirs fill the excess water spills into American Falls Reservoir and fills it. On some years it will result in higher winter flows in the river benefiting fish habitat.

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

This project will allow for the sharing of water use data between EBC, North Fork Reservoir Company, FMID, Reclamation and the Idaho Department of Water Resources. FMID supplies EBC with storage water from Island Park and Grassy Lake Reservoirs.

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

The project will increase the water reliability for the irrigated ag economy in the area.

- *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). 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.*

This project complements many of the on-farm projects the NRCS is currently working on in our area.

Evaluation Criterion B—Planning Efforts Supporting the Project (35 points)

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

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

Yes, canal automation was identified as one of the most economical alternatives for conserving water within the Henry's Fork Watershed in the 2015 Henry's Fork Basin Study.

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

Through the planning efforts of EBC's board of directors this project has been identified

as the most economical way of conserving water. This was also described in the 2015 Henry’s Fork Basin Study which identified canal automation as one of the most economical ways of conserving water in our basin.

It has also been identified as a significant benefit to the canal company through reduced mileage and travel time for employees.

Evaluation Criterion C—Project Implementation (10 points)

- 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 schedule provided below outlines timing of the major tasks and milestones for the proposed project. Before any work can begin on the project, an environmental document will be prepared in collaboration with Reclamation’s Upper Snake Field Office. Once this is complete construction can begin. Ideally if the WaterSMART grant is awarded and environmental work is completed the construction phase of the project will begin in November of 2019 and be complete by July 1st, 2020. This is a shovel ready project that we are anxious to move forward on.

EBC SCADA and Remote Operations Project	2018				2019											
Activity	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Award of WaterSMART grant																
Develop and sign WaterSMART contract																
Environmental evaluation																
Installation of centralized data collection equipment																
Installation of remote operating equipment																
Installation of flow measuring equipment																

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

The proposed project will not require any permitting. The equipment to be installing will only be retrofitting existing canal company structures.

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

The engineering required for installation is included in the bid for equipment and installation. Engineering may be needed to fine tune the flow measurement stations. This will be provided by the contractor at the expense of EBC.

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

None, no new policies or administrative actions will be needed.

- *Describe how the environmental compliance estimate was developed. Have the compliance costs been discussed with the local Reclamation office?*

Yes, Reclamation's Upper Snake Field Office has estimated a total cost of \$1,500. \$1,000 of which is for cultural and \$500 for NEPA.

Evaluation Criterion D— Nexus to Reclamation (10 points)

- *Is the proposed project connected to a Reclamation project or activity? If so, how?*

EBC holds storage water in FMID or Island Park and Grassy Lake Reservoirs which are a part of Reclamation's Minidoka Project. It will therefore benefit EBC and Reclamation through better management of water resources and reduce overall demand.

- *Does the applicant receive Reclamation project water?*

Yes, EBC receives water from FMID which holds the water right to the storage water in Island Park and Grassy Lake Reservoirs.

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

The project will be located on lands that are a part of Reclamation's Minidoka Project including land irrigated with water from Island Park and Grassy Lake Reservoirs. The project will not be installed on Reclamation facilities but will impact the overall operations of Island Park and Grassy Lake Reservoirs.

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

Yes, the project is located in the Henry's Fork Basin which includes Island Park and Grassy Lake Reservoirs that are a part of Reclamations Minidoka Project.

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

Yes, the proposed project will better manage water resources within the Henry's Fork Basin. This project is expected to conserve water allowing us to keep it in the reservoirs thereby reducing impacts of potential subsequent drought years.

- *Will the project benefit any tribe(s)?*

As a part of the Nez Perce Water Rights Settlement Agreement of 2005, the Upper Snake River water users provide flow augmentation water down river for fish habitat. The amount of flow augmentation water available from the Upper Snake River system is significantly dependent upon reservoir levels. This project will help keep more water in the reservoir and therefore more water may be available in any given year for flow augmentation down river.

Evaluation Criterion E— Department of the Interior Priorities (10 points)

1. *Creating a conservation stewardship legacy second only to Teddy Roosevelt*

The proposed project will utilize the latest technology in remote operation controls and data collection. This data collection will allow us to more accurately model water use trends during the irrigation season. This data along with the remote operation equipment will allow us to develop better plans and react quickly to changes.

2. *Utilizing our natural resources*

The proposed project will conserve water benefiting agriculture and fisheries. The project will also reduce vehicle travel by thousands of miles each year reducing our reliance on fossil fuels.

3. *Restoring trust with local communities*

This project will provide additional data that we can share with our partners. Our community is heavily dependent upon the river. Managing our water resources will help restore trust in our community.

4. *Striking a regulatory balance*

By better managing our own water resources it will reduce the amount of regulation required for our water diversion from Reclamation and the Idaho Department of Water Resources.

5. *Modernizing our infrastructure*

The proposed project will modernize EBC's existing infrastructure by implementing the latest technology in remote operation and data collection.

5. Environmental and Cultural Resources Compliance

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

The project will not impact the surrounding environment. There will be very little if any ground disturbance and all work will be completed within previously disturbed areas. No animal habitats will be negatively impacted.

2. 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?

No endangered species are negatively impacted by this project.

3. 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 project may have.

There are wetlands in EBC's boundaries, however, this project will not affect any wetland areas.

4. When was the water delivery system constructed?

The first canal build in the EBC system was the Egin Canal. Construction was started in 1881, and the first water was diverted in 1883 however construction was not completed until 1886. The St. Anthony Union Canal was built in 1886 and 1887. The Independent canal was built in 1895. The Last Chance canal was built in the mid to late 1890's.

5. Will the project result in any modification of or effects to, individual features of an irrigation system (e.g., head gates, 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.

The project will not change or modify any structures. The project will simply retrofit the structures with remote operation technology including electric motors etc.

6. 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.

No, EBC is not aware of any buildings, structures or features that would be impacted or would qualify.

7. Are there any known archeological sites in the proposed project area?

No, EBC is not aware of any archeological sites in the proposed project area.

8. Will the project have a disproportionately high and adverse effect on low income or minority populations?

No.

9. Will the project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?

No.

10. Will the project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?

No.

6. Required Permits and Approvals

The proposed project will not require permitting because the work will be confined to retrofitting existing canal company structures.

7. Official Resolution

An official resolution is attached as Attachment C.

8. Project Budget

Funding Plan and Letters of Commitment

1. How you will make your contribution to the cost share requirement, such as monetary and/or in-kind contributions and source funds contributed by the applicant (e.g., reserve account, tax revenue, and/or assessments).

EBC will fund all non-Federal contributions entirely with operating revenues. EBC officially committed to fund the non-federal share of the project in the official resolution (See appendix C)

2. Describe any in-kind costs incurred before the anticipated project start date that you seek to include as project costs. Include:

N/A

3. Describe any funding requested or received from other Federal partners. Note: other sources of Federal funding may not be counted towards the cost share unless otherwise allowed by statute.

N/A

Describe any pending funding requests that have not yet been approved and explain how the project will be affected if such funding is denied.

None

Table 4.-Total Project Cost Table

Source	Amount	% Project Cost
Cost to be reimbursed with the requested Reclamation Funding	\$66,966.50	50%
Cost to be paid by EBC	\$66,966.50	50%
Total Project Cost	\$133,933.00	100%

As described in table 4 the total cost of the project is \$133,933.00. EBC is requesting 50% of the project cost or \$66,966.50 in WaterSMART grant funds. The remainder of the project will be paid for by EBC.

Table 5.-Budget Proposal

Budget Item Description	COMPUTATION		Quantity Type	Total Cost
	\$/Unit	Quantity		
Salaries and Wages				
none	\$0.00	0	Hours	\$0.00
Fringe Benefits				
none	\$0.00	0	Hours	\$0.00
Equipment\Installation				
Last Chance Canal Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$13,902.00	1	EA	\$13,902.00
St. Anthony Union Canal Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$31,472.00	1	EA	\$31,472.00
Egin Canal Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$14,242.00	1	EA	\$14,242.00
St. Anthony Union Feeder Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$17,366.00	1	EA	\$17,366.00
Independent Canal Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$17,242.00	1	EA	\$17,242.00
Recharge/Spill Canal Head-gate				
<i>Remote Operations Equipment and Installation</i>	\$13,438.00	1	EA	\$13,438.00
flow Measurement/Telemetry				
<i>4 sites including installation</i>	\$4,499.00	4	EA	\$17,996.00
Office Hardware				
<i>Software, communication equipment and server for EBC office</i>	\$6,775.00	1	EA	\$6,775.00
Other-Environmental				
Environmental Report	\$1,500.00	1	Lump Sum	\$1,500.00
			Total Project Cost	\$133,933.00

Budget Narrative

The budget proposal was developed using a bid from a local contractor. The amounts provided in the proposal include the equipment and installation of the equipment.

Salaries & Wages

EBC's staff time will be over and above the cost of the project and will not be counted toward the project cost.

Fringe Benefits

No fringe benefits are being requested.

Travel

No travel will be required.

Contractual /Construction

The cost of the installation was included with equipment, materials and supplies.

Environmental and Regulatory Compliance Costs

The environmental document for this project will be minimal. The cost was included at \$1,500.

Reporting

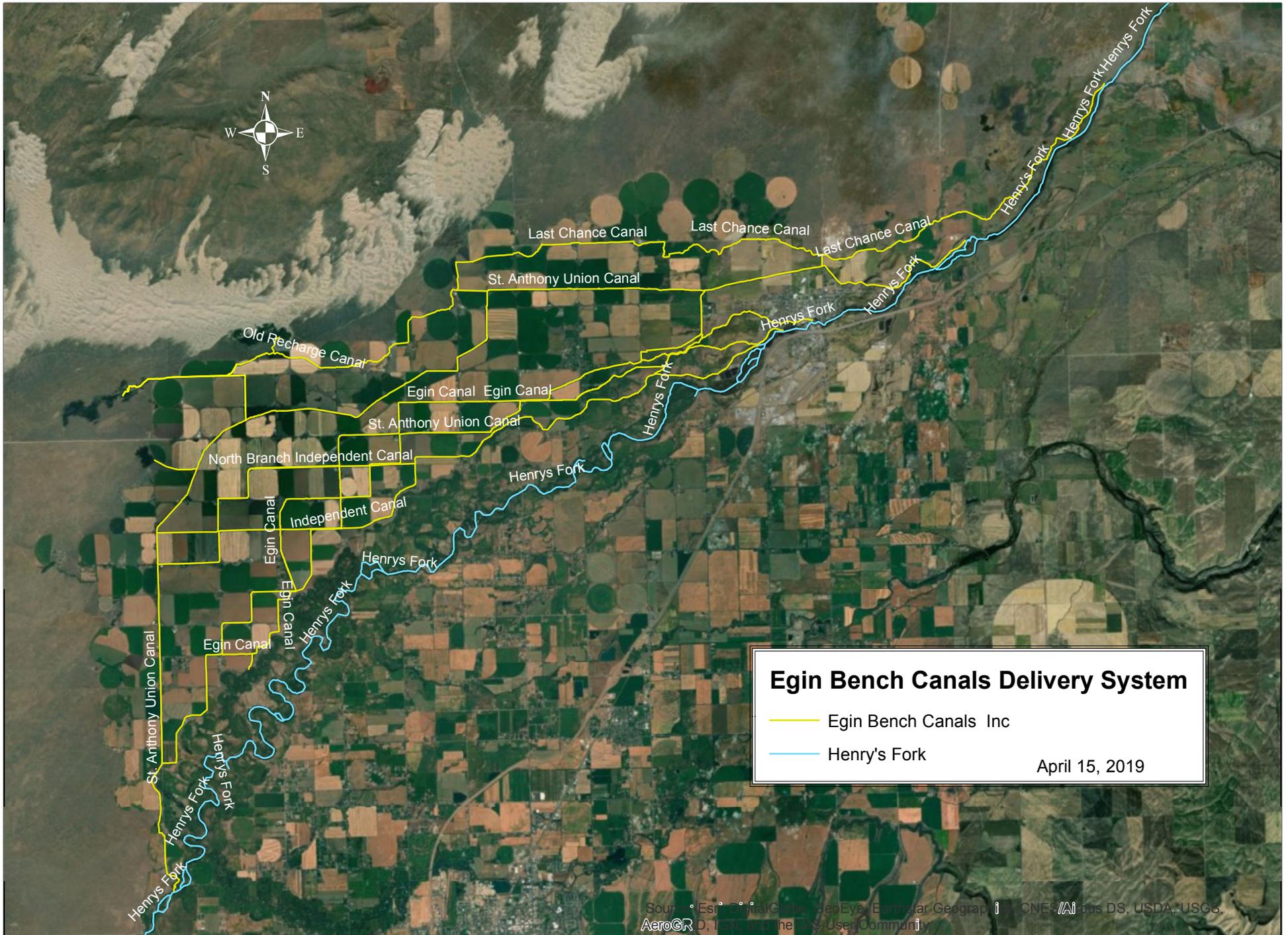
EBC's staff time to prepare the reports will be over and above the cost of the project and will not be counted toward the project cost.

Other Expenses

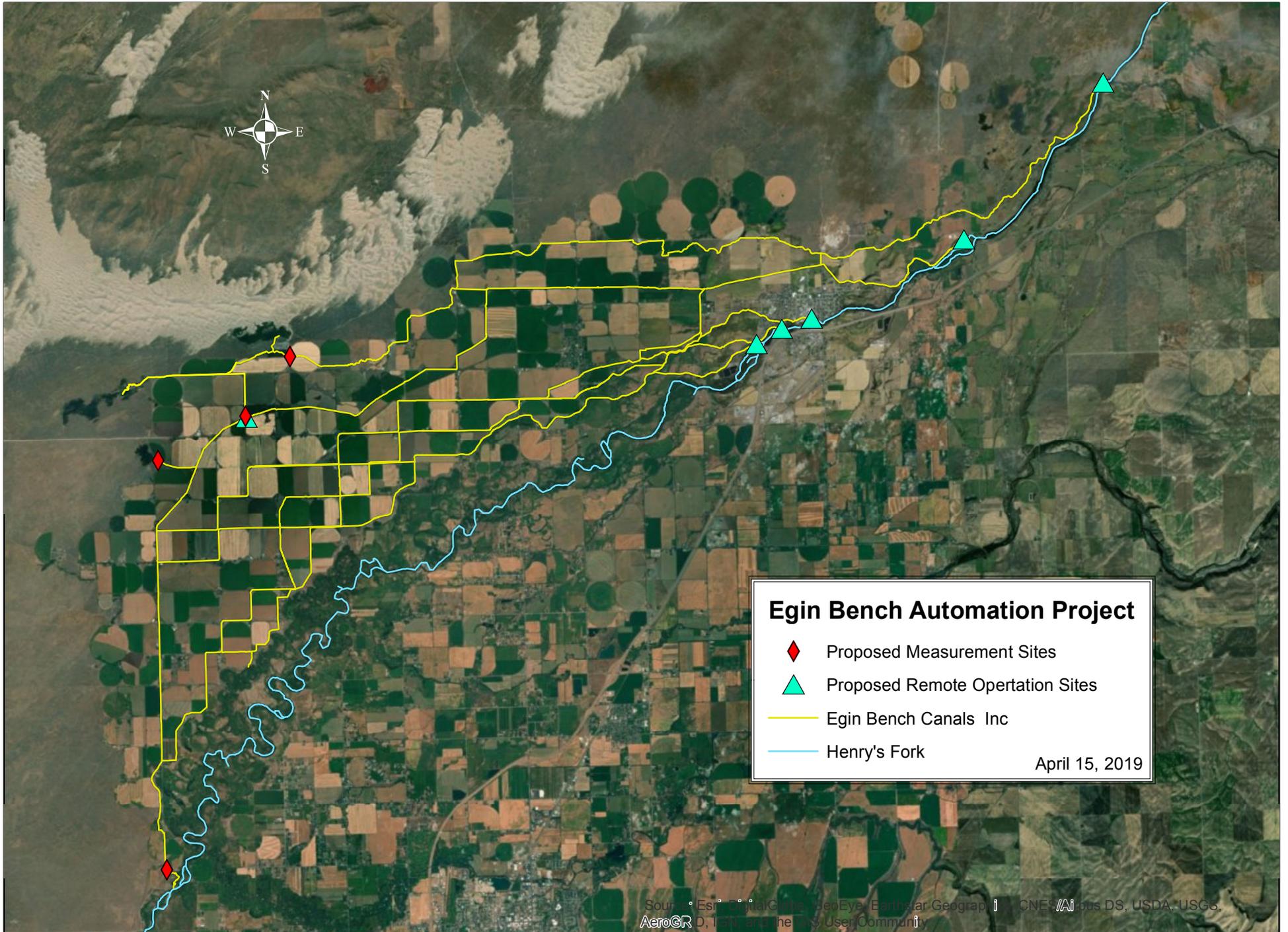
No other expenses will be part of the project.

Indirect Costs

No indirect costs will be part of the project.



Egin Bench Canals Delivery System
— Egin Bench Canals Inc
— Henry's Fork
April 15, 2019



Egin Bench Canals Inc.

Official Resolution 2019-01

In the matter of the proposed WaterSMART application to United States Bureau of Reclamation (Reclamation) for canal remote operations, additional flow measurement equipment and a SCADA computer data collection system for Egin Bench Canals Inc. (EBC).

WHEREAS, Reclamation's Small-Scale Water Efficiency Grants provide funding to non-federal entities to implement actions to increase water supply reliability through investments in existing infrastructure and attention to local water conflicts; and

WHEREAS, Reclamation requires that Small-Scale Water Efficiency Grant applicant adopt a resolution verifying (1) the identity of the official with legal authority to enter into agreement, (2) the board of directors, governing body, or appropriate official who has reviewed and supports the application submitted, (3) the capability of the applicant to provide the amount of funding and/or in-kind contributions specified in the funding plan, and (4) that the applicant will work with Reclamation to meet established deadlines for entering into a cooperative agreement; and

WHEREAS, EBC desires to apply for a Small-Scale Water Efficiency Grant to assist the District with installing remote operating equipment on 6 main water control structures within the company, and install a SCADA computer system to collect and analyze water delivery data, and install equipment to take additional flow measurement in 4 other canal locations which is a project designed to improve water use efficiency; and

WHEREAS, The EBC Board of Directors have reviewed the WaterSmart Grant proposal and supports the grant application; and

NOW, THEREFOR, BE IT RESOLVED that EBC authorizes application to Reclamation for a WaterSMART grant and authorizes Mike Rasmussen, President to enter into an agreement with Reclamation for the WaterSMART grant; and

FURTHER IT BE RESOLVED, that EBC recognizes that Mike Rasmussen, President will represent EBC as its legal entity in the cooperative agreement; and

FURTHER IT BE RESOLVED, that EBC agrees to the WaterSmart funds and will work cooperative with Reclamation to meet established deadlines for entering into a cooperative agreement; and

FURTHER IT BE RESOLVED, that EBC shall provide or ensure the non-federal portion of the project costs.

Dated this 18 day of April 2019.

Egin Bench Canals Inc.



By: Mike Rasmussen, President

Egin Bench Canals Inc.



By: Aaron Dalling, Secretary

Appendix D-Letter of Support

Mike Crapo
United States Senator
239 Dirksen Senate Office Bldg.
Washington, D.C. 20510

James E. Risch
United States Senator
483 Russell Senate Office Building
Washington, D.C. 20510



Mike Simpson
Member of Congress
1339 Longworth House Office Bldg.
Washington, D.C. 20515

April 22, 2019

Secretary David Bernhardt
U.S. Department of the Interior
1849 C Street, N.W.
Washington, D.C. 20240

Dear Secretary Bernhardt:

We write in support of the grant application submitted by the Egin Bench Canals (EBC) Bureau of Reclamation (Reclamation) WaterSMART. EBC was established in 1994 and holds water rights in the Henry's Fork of the Snake River dating back to the 1880s, irrigating more than 30,000 acres.

Well managed, available water is central to Idaho's economic sustainability and growth. We support the efforts of EBC to conserve this critically valuable resource.

Idaho's water supply is limited with many competing demands including irrigation, municipal, recreation, ecological and industrial uses. Various demands and potential solutions to water availability bottlenecks were addressed in the Henry's Fork Basin Study hosted by the Henry's Fork Watershed Council. Completed in 2014 and funded by Reclamation and the Idaho Water Resource Board, the Henry's Fork Basin study identified canal automation as one of the most economical ways of conserving water in the Henry's Fork. We understand this project to install head-gate remote control on five river diversions and additional flow measurements will help secure Idaho's water for the future.

We urge the BLM to give this application all due consideration.

Sincerely,

Handwritten signature of Mike Crapo in blue ink.

MIKE CRAPO
United States Senator

Handwritten signature of James E. Risch in blue ink.

JAMES E. RISCH
United States Senator

Handwritten signature of Mike Simpson in blue ink, with "M.C." written below it.

MIKE SIMPSON
Member of Congress

BRITT RAYBOULD
DISTRICT 34
MADISON & BONNEVILLE
COUNTIES



HOME ADDRESS
P.O. BOX 653
REXBURG, IDAHO 83440
HOME: (208) 419-0768

STATE CAPITOL
P.O. BOX 83720
BOISE, IDAHO 83720-0038
208-332-1173

House of Representatives State of Idaho

April 22, 2019

To Whom It May Concern:

I'm pleased to support Egin Bench Canals Inc.'s (EBC) grant application for canal automation and centralized data collection.

Water efficiency is critical in our area and throughout the Snake River Plain. This project is an excellent example of using the most current technology to manage our water resources. EBC was established in 1994 and holds water rights in the Henry's Fork of the Snake River dating back to the 1880s irrigating over 30,000 acres.

The Snake River water supply has many competing demands including irrigation, municipal, recreation, ecological, and industrial uses. These various demands and potential solutions to water availability bottlenecks were addressed in the Henry's Fork Basin Study hosted by the Henry's Fork Watershed Council.

Completed in 2014 and funded by Reclamation and the Idaho Water Resource Board, the Henry's Fork Basin study identified canal automation as one of the most economical ways of conserving water in the Henry's Fork. This project to install head-gate remote control on five river diversions and additional flow measurements will help secure Idaho's water for the future.

Sincerely,


Representative Britt Raybould