

WaterSMART Grant

Small-Scale Water Efficiency Projects Grant for Fiscal Year 2020
Funding Opportunity Announcement No. BOR-DO-20-F006

Application - \$75,000 Grant Request

March 4, 2020

Jones Pipeline Project (Phase I)

Cache Valley, Utah

Applicant

Newton Water Users Association

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Table of Contents

| | |
|---|----|
| Executive Summary | 3 |
| Project Summary:..... | 3 |
| Background Data | 4 |
| Project Location | 5 |
| Technical Project Description..... | 7 |
| Evaluation Criteria | 9 |
| Evaluation Criterion A—Project Benefits | 9 |
| Evaluation Criterion B—Planning Efforts Supporting the Project..... | 11 |
| Evaluation Criterion C—Project Implementation | 12 |
| Evaluation Criterion D—Nexus to Reclamation | 14 |
| Evaluation Criterion E—Department of the Interior Priorities..... | 15 |
| Project Budget..... | 17 |
| Funding Plan and Letters of Commitment..... | 17 |
| Budget Proposal | 19 |
| Budget Narrative..... | 20 |
| Salaries and Wages | 20 |
| Fringe Benefits..... | 21 |
| Travel | 21 |
| Equipment..... | 21 |
| Materials and Supplies | 22 |
| Contractual..... | 22 |
| Third-Party In-Kind Contributions | 23 |
| Environmental and Regulatory Compliance Costs | 23 |
| Other Expenses | 24 |
| Indirect Costs | 24 |
| Total Costs | 24 |
| Environmental and Cultural Resources Compliance | 24 |
| Required Permits or Approvals..... | 26 |
| Letters of Project Support | 26 |
| Official Resolution..... | 27 |
| Unique Entity Identifier and System for Award Management | 27 |
| | |
| Table of Tables | |
| Table 1: Water Right Information..... | 5 |
| Table 2: Summary of Non-Federal and Federal Funding Sources | 19 |
| Table 3: Budget Proposal..... | 20 |
| | |
| Table of Figures | |
| Figure 1: Existing Surface Evidence of Current Pipe Leakage | 4 |
| Figure 2: Project Location Map | 6 |
| Figure 3: Project Timeline | 12 |

Executive Summary

The executive summary should include:

- The date, applicant name, city, county, and state
- A one paragraph project summary that specifies the work proposed, including how funds will be used to accomplish specific project activities and briefly identifies how the proposed project contributes to accomplishing the goals of this FOA.
- State the length of time and estimated completion date for the proposed project including the construction start date (month/year). Note: Proposed projects shall not have a construction start date that is prior to April 1, 2020, for FY 2020 funding. This FOA will be updated to provide a construction start date restriction for FY 2021 funding.
- Whether or not the proposed project is located on a Federal facility

Date: March 4, 2020

Applicant & Contact: Newton Water Users Association – Jones Pipeline Project (Phase I)
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Project Summary:

The purpose of this project is to address a section of the distribution and delivery system utilized by the Newton Water Users Association for irrigation. In 2016 the existing main canals that deliver water to various laterals was piped and pressurized. One of these laterals is the Jones Pipeline. It was originally built to convey water from the open ditch to individual pipe networks under low pressures. With the completion of the 2016 piping project, the Jones Pipeline is now experiencing significantly higher pressures which are causing pipe failures. For this project, the first section of the Jones Pipeline, 1.1 miles of transite pipe, will be replaced with high pressure HDPE/PVC pressure pipe. The project will also replace existing turnouts along the Jones Pipeline with new turn outs equipped with meters and isolation valves. This proposal includes the funding of the design, permitting, and construction of the Jones Pipeline Phase I Section. The project consists of the following:

- Provide shareholders with a more reliable pressurized system
- Provide the means to better manage the system's water with meters and valving
- Reduce operation and maintenance costs through reduction in pipe failures
- Conserve water through reduction in pipe failures
- Reduce internal conflicts with shareholders through reduction in pipe failures

It is anticipated the project will take 15 months and will be completed by May of 2021. The project is connected to a federal facility, the Association receives their water from Newton Dam which is owned and operated by the Bureau of Reclamation. However, the federal facility will not be involved in the construction of this project as it is 2 miles to the north east of the project.

Background Data

As applicable, describe the source of water supply, the total quantity of water supply managed and supplied, 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. If water is primarily used for irrigation, describe major crops and total acres served. Also, identify potential shortfalls in water supply.

In addition, describe the applicant's water delivery or distribution system as appropriate. For agricultural systems, please include the types and approximate total lengths of canals and laterals (e.g., unlined or lined open channel, pipe, including types of pipe and lining materials), the number of irrigation turnouts and other significant existing irrigation improvements (e.g., automated control structures, remote monitoring devices and SCADA systems). For municipal systems, please include the total approximate length of distribution lines, number and sizes of storage tanks, number of pump stations and capacities, and the number of connections and/or number of water users served and any other relevant information describing the system.

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

The Newton Water Users Association operates approximately 6.5 miles of pressurized irrigation pipe. This irrigation system provides water to over 4,000 acres of farm ground primarily growing alfalfa, corn, and small grains. The water used in the systems is collected in Newton Dam, which is owned by the Bureau of Reclamation. The relationship between the Association and Reclamation started in 1941 when the Newton Project was begun (Reclamation Project #242). The Newton Project was completed in 1948 and consisted of the replacement and upgrade of the Newton Dam and connecting irrigation canals. The Association has since operated the earthen canals and provided irrigation water from Newton Reservoir to the Newton area through approximately 4,600 shares of water. In 2016, the open earth ditches were replaced with pressurized pipe connecting directly to Newton Dam. Additionally, a new head works structure was built on Newton Dam to facilitate the new pressurized pipe system.



Figure 1: Existing Surface Evidence of Current Pipe Leakage

The Jones Pipeline is an old transite pipe that was installed in 1964 that takes water from the West Lateral of the Association's system and brings it south along the west edge of Newton Town. The Jones Pipeline serves approximately 675 acres of farm ground with 775 shares of water. The pipeline is 1.6 miles long and has 11 agricultural users and 28 residential users. Since the 2016 pressurization project, the Jones Pipeline has experienced multiple pipe failures and is constantly leaking, one such leak can be seen in the aerial image in Figure 1. During the 2019 irrigation season alone, the Jones Pipeline had over 20 pipe failures/ breaks. Each time the pipeline has a break, the whole pipeline is shut down for repairs. This results in the 675 acres of farm ground dependent on the Jones Pipeline going without water.

These failures are a result of high-pressure water now running through the Jones Pipeline. Prior to the 2016 pressurization project, the Jones Pipeline took water from a pond at atmospheric conditions and conveyed it to the irrigators, during which it would build some pressure. Now the water is being delivered to the Jones Pipeline with pressure (approximately 30 psi). By the time it arrives at the irrigators, the water pressure is well over the pressure capabilities of the old transite pipe. The existing pipe was not designed for such pressure and is continuously leaking severely at multiple locations and fails frequently. These leaks and failures are causing water shortages and internal conflicts between water users.

Additionally, the turnouts along the Jones Pipeline are not metered. Various meters and isolation valves were installed during the 2016 pressurization project, but only one meter and one valve were installed for the Jones Pipeline. This meter and valve combination is located at the main connection to the West Lateral (see Figure 2 for locations).

The water rights involved in this project are listed under supplemental group number 628291, or water right numbers 25-3082, 25-3515, and 25-6870. A summary of the water rights is presented in Table 1. The full water rights are included in Appendix B.

Table 1: Water Right Information

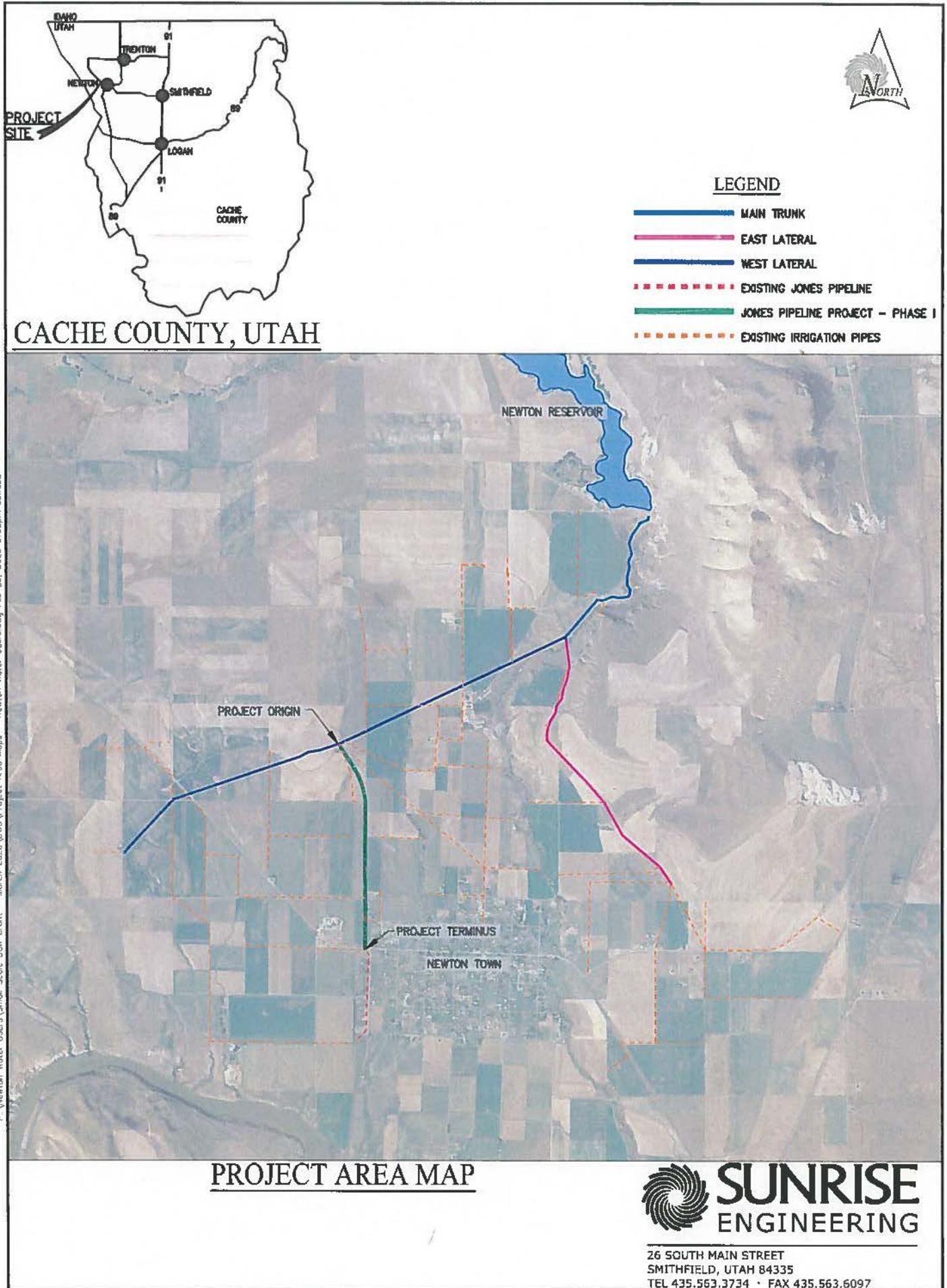
| Utah Water Right | Owner | Water Source | Priority Date | Flow | Volume |
|------------------|--------------------|-----------------|---------------|--------|----------------|
| 25-6870 | Newton Water Users | Clarkston Creek | 1987 | 24 CFS | 1,522.67 AC-FT |
| 25-3515 | Reclamation | Clarkston Creek | 1869 | 24 CFS | 17,375.2 AC-FT |
| 25-3082 | Reclamation | Clarkston Creek | 1938 | 24 CFS | 17,375.2 AC-FT |

Project Location

Provide specific information on the proposed project location or project area including a map showing the geographic location. For example, {project name} is located in {state and county} approximately {distance} miles {direction, e.g., northeast} of {nearest town}. The project latitude is {##°##'N} and longitude is {###°##'W}.

The Jones Pipeline Project is in Cache County, Utah. The project is located on the Northwest and West edges of Newton, Utah. The headworks of the Jones Pipeline is located at 41°52'40.35"N and 112°0'12.35"W. The terminus of Phase I of the Jones Pipeline Project is at 41°51'45.77"N and 112°0'1.36"W. Figure 2 illustrates the location of the project in relation to its surroundings and the major components of the irrigation system managed by the Association.

Figure 2.



P:\Newton Water Users\Small Scale BOR Grant - March 2020\DWG\Project Area Maps - Newton Water Users.dwg Feb. 26, 2020 6:32pm adwood

Technical Project Description

The technical project description should describe the work in detail, including specific activities that will be accomplished. This description shall have sufficient detail to permit a comprehensive evaluation of the proposal.

The technical project description should describe the work in detail, including specific activities that will be accomplished. This description shall have sufficient detail to permit a comprehensive evaluation of the proposal. The technical project description must include milestones for the completion of the project, including, but not limited to, environmental compliance, permitting, final design, and construction. If on-Federal cost share is not yet secured, the milestones should identify when the applicant anticipates that the funds will be available. Note: If the work for which you are requesting funding is a phase of a larger project, please only describe the work that is reflected in the budget and exclude description of other activities or components of the overall project.

- *Identify the problems and needs*
- *Describe how the project is intended to address the problems and needs*
- *Identify the expected outcomes*

The Jones Pipeline was installed by local farmers in 1964 using concrete transite pipe. The pipe ranged from 15" down to 8". The pipeline received water from a pond that was filled with an earthen canal that brought water from Newton Reservoir. In 2016, the main earthen canals were replaced with HDPE pressure pipe that was directly tied into the Newton Dam. This allowed the entire system to receive pressurized irrigation water at their headgates and turn outs. Also, as part of the project, meters and isolation valves were installed for help improve the management of the water. The Jones Pipeline was not improved as part of this pressurization project and was connected to the new system with a single meter and isolation valve.

The transite pipe consisting the Jones Pipeline has been unable to contain the pressure properly since the completion of the 2016 pressurization project. During the 2019 irrigation season alone, there was over 20 breaks/failures along the Jones Pipeline. And due to having only a single isolation valve, the entire Jones Pipeline has to be shut down for any repairs to be completed. This interrupts the watering practice of 11 agricultural users and 28 residential users that water approximately 675 acres of ground. Due to the frequency of the breaks/ failures, internal conflict among the users has started to arise.

This project will remove from service the existing dilapidated transite pipe and replace it with a new pressure rated irrigation pipe. Replacing this section will conserve water currently being lost to constant leaks and frequent pipe ruptures/failures. This new pressure pipe will ensure water can be delivered reliable due its ability to hold and deliver pressurized water.

The proposed piping network that will replace the existing transite pipe will consist of a single pipeline connecting to the West Lateral (refer to Figure 2) coming from Newton Dam. The new pipeline will be made of PVC Plastic Irrigation Pipe or HDEP pipe with a minimum pressure rating of 150 psi and sizes ranging from 18 in to 8 in. There are 11 agricultural connections and 28 residential connections on the Jones Pipeline. The proposed project will provide meters and valving for 6 agricultural users and 8 residential users, the remaining will be upgraded when Phase II is completed. Each connection will consist of two gate valves for isolation or controlling the flow and an inline flow measuring device. The meters will report their data to a cloud database which will be accessible to farmers/irrigators.

A main line isolation valve will also be installed to help isolate future breaks. This main line valve and the individual isolation valves used for connections will allow breaks to be isolated from the rest of the users. This will permit water to continue to service the rest of the users while repairs can be made on individual services and connections.

Upon receiving the WaterSMART Grant, The Newton Water Users Association will then provide funding for the remaining portion of the project from their internal savings. A commitment letter from the Association's president is attached in Appendix A. A preliminary engineering analysis has been conducted to determine potential pipe sizes and length and the number of irrigation connections.

With funding secured from the WaterSMART Grant a full engineering design of the Jones Pipeline Project Phase I will be completed by a professional engineering firm to ensure proper design and safety considerations. The design will be in accordance with industry design standards as well as design standards set forth by the Natural Resources Conservation Service (NRCS). The engineering required for this project is part of a master planning and design effort currently under way. The master planning will identify areas of concern and their corresponding plans and designs for replacement and/or repair. The Jones Pipeline Project – Phase I is only a part of the engineering master plan. As such, the costs associated with the engineering master plan are not included in the Jones Pipeline Project – Phase I. Attached in Appendix G is a schedule for the proposed project with key milestones labeled.

By completing the Jones Pipeline Project Phase I, the Association anticipates seeing the following outcomes:

- Water currently lost to continual leaks due to failing joints and pressure related issues will be conserved.
- The frequency of pipe breaks/failures and the corresponding mainline shutdowns will dramatically be reduced.
- In the event future breaks do occur, the new isolation valves will be used to isolate the breaks and maintain service the other users, thus reducing growing tensions among the water users.
- With the installation of meters that are reporting information to a cloud-based database, the management of the water supply can be improved, and watering practices can be altered to increase on farm efficiency.
- With the reduction in pipe failures and ruptures, resources can be saved and used for other needs within the Association.

Evaluation Criteria

Evaluation Criterion A—Project Benefits

Up to 35 points may be awarded based upon evaluation of the benefits that are expected to result from implementing the proposed project. This criterion considers a variety of project benefits, including the significance of the anticipated water management benefits and the public benefits of the project. This criterion prioritizes projects that modernize existing infrastructure in order to address water reliability concerns, including making water available for multiple beneficial uses and resolving water related conflict in the region. 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 benefit the irrigation system and its users in several key ways.

1. The existing transite pipe can not hold the operating pressures now required due to the completion of the 2016 pressurization project. This project will provide a new pressure pipe capable of holding the operating pressures properly and safely.
2. Currently they are significant leaks as evident in the aerial image of Figure 1. This project would eliminate those leaks and conserve the water currently being lost.
3. Currently the only meter on the Jones Pipeline is at the main connection to the West Lateral. The proposed project will provide meters for all the water users along the new pipeline which consists of 6 agricultural users and 8 residential users. The new meters will help in water conservation measures and providing data to help the Association and individual users improve their watering practices and water management.
4. The Jones Pipeline only has one isolation valve, which is located at the main connection to the West Lateral. In the event of a pipe rupture or break, the whole Jones Pipeline has to be shut off to address the pipeline. During the 2019 irrigation season alone there were more than 20 mainline or service line breaks that caused the Jones Pipeline to be shut down. The proposed project will provide a second mainline isolation valve and valves for individual turn outs to help isolate breaks easier and to maintain the constant service to the users along the Jones Pipeline. This will also aid in the relieving of tension amongst the users.

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

As previously discussed, the Jones Pipeline currently has one isolation valve. The individual service connections are directly tied into the Jones Pipeline with no valving. When ever a break occurs, the entire pipeline is shut down for repairs. This affects the full 675 acres being services. As mentioned, over 20 breaks occurred last year alone. The implementation of the new main isolation valve and the new individual valves, breaks can be isolated from the Jones Pipeline thus maintaining service to the remaining irrigators. This addition of valves and a new pipe that is not susceptible to frequent rupture, the supply reliability for the full 675 acres serviced will be dramatically increased.

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

The implementation of individual meters will encourage water conservation among the users. Additionally, the elimination of constant leaks and the reduction in pipe ruptures will also conserve water. The conserved water will remain in Newton Reservoir where it can then be utilized by the full Association which waters more than 4,000 acres surrounding Newton Town.

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

Data gathered through the implementation of the new meters will provide information that can be compared to other irrigation companies and users. Many of the share holders and users also operate farm ground in other irrigation companies such as the West Cache Irrigation Company, Cub River Irrigation Company, and the Benson Irrigation Company. Information on water use shared across the companies will help improve water management for all in the region.

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

Water conserved through the metering, leak elimination, and reduction in pipe failures will be kept in Newton Reservoir. While the water remains in the reservoir, it will be utilized by local communities in recreation. Newton Reservoir is a popular local spot for people to camp, fish, boat, swim and enjoy the water and outdoors. Once the water leaves and is pulled into the irrigation system operated by the Association, it will be utilized by farmers and irrigators dependent on the water for their livelihoods.

- *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. Up to 30 points may be awarded for this criterion. This criterion prioritizes projects that will conserve water and improve water use efficiency by modernizing existing infrastructure. Points will be allocated based on the quantifiable water savings expected as a result of the project. Points will be allocated to give greater consideration to projects that are expected to result in more significant water savings.*

The Jones Pipeline services 11 agricultural users, 6 of which will receive new meters and valves as part of this project (Phase I). The remaining connections will be addressed in later phases. Each of these users can apply to the NRCS to for EQIP money to further improve their on-farm irrigation systems. Brandon Todd from the local NRCS office has stated his support of this project, his letter of support is included in Appendix A. At this point, quantifiable water savings have not been calculated for the individual users and their on-farm irrigation systems and potential improvements.

Evaluation Criterion B—Planning Efforts Supporting the Project

Up to 35 points may be awarded based on the extent to which the proposed on-the-ground project is supported by an applicant's existing water management plan, water conservation plan, System Optimization Review, or identified as part of another planning effort led by the applicant. This criterion prioritizes projects that are identified through local planning efforts and meet local needs. 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?*

The Newton Water Users Association (NWUA) drafted and adopted a Water Management & Conservation Plan in 2015 prior to the 2016 pressurization project. The plan establishes the goals of the Association in providing water to their users and addresses the benefits from the piping of the old canals and providing pressurized water to their users in preparation for their 2016 project. The Cover Page has been included as Appendix C. In the Goals of NWUA section within the Water Management & Conservation Plan it reads the following:

“The NWUA seeks to conserve and more efficiently manage the available water in Newton Reservoir. The agricultural lands are irrigated by sprinkling which allows for harvests of alfalfa, corn, and a variety of grain crops. A large portion of this harvested agricultural land supports local dairy operations”

It is the top priority of the Association to provide water reliably to their users for the growth of various crops which in turn support the local dairy operations. In connection with this priority, the Association is continually seeking to conserve water and increase water efficiency wherever possible.

The proposed project has two main goals. The first goal is to conserve water through the elimination of persistent leaks, the significant reduction in pipe ruptures and failures, and the implementation of individual service meters for agricultural users and residential users. The second goal is to increase the reliability of the Jones Pipeline by installing isolation valves along the main pipeline and on each service connection along the pipeline. The new valves will allow for the isolation of individual services in the event of pipe failures and thus maintaining service along the Jones Pipeline while repairs are made.

Both goals for the proposed project are in complete agreeance with the Association's primary goal of seeking “to conserve and more efficiently manage the available water in Newton Reservoir.”

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

Various water improvement projects have been discussed in board meetings and on other occasions. The main water improvement projects discussed are as follows:

- Replacing the full south west loop (including the full Jones Pipeline)
- Replacing the full Jones Pipeline only
- Replacing the Jones Pipeline in phases
- Installing interconnecting pipe between major pipelines

Although all of these projects are important and would benefit the irrigation system and their users greatly, the implementation of the replacing only the first phase of the Jones Pipeline was selected as the top priority. A large determining factor was available finances. Instead of doing a single large project now, the Association determined it was more cost effective and more acceptable to the shareholders to phase in these projects. Eventually the Association is planning on completing all the discussed projects, but it was determined to start small to reduce the financial burden.

Evaluation Criterion C—Project Implementation

Up to 10 points may be awarded based upon the extent to which the applicant is capable of proceeding with the proposed project upon entering into a financial assistance agreement. Applicants that describe a detailed plan (e.g., estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates) will receive the most points under this criterion.

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

With the awarding of the WaterSMART Grant, the Newton Water Users Association will contract with Sunrise Engineering to provide the professional services required to complete the project. The engineering required for this project is part of a larger master planning effort being

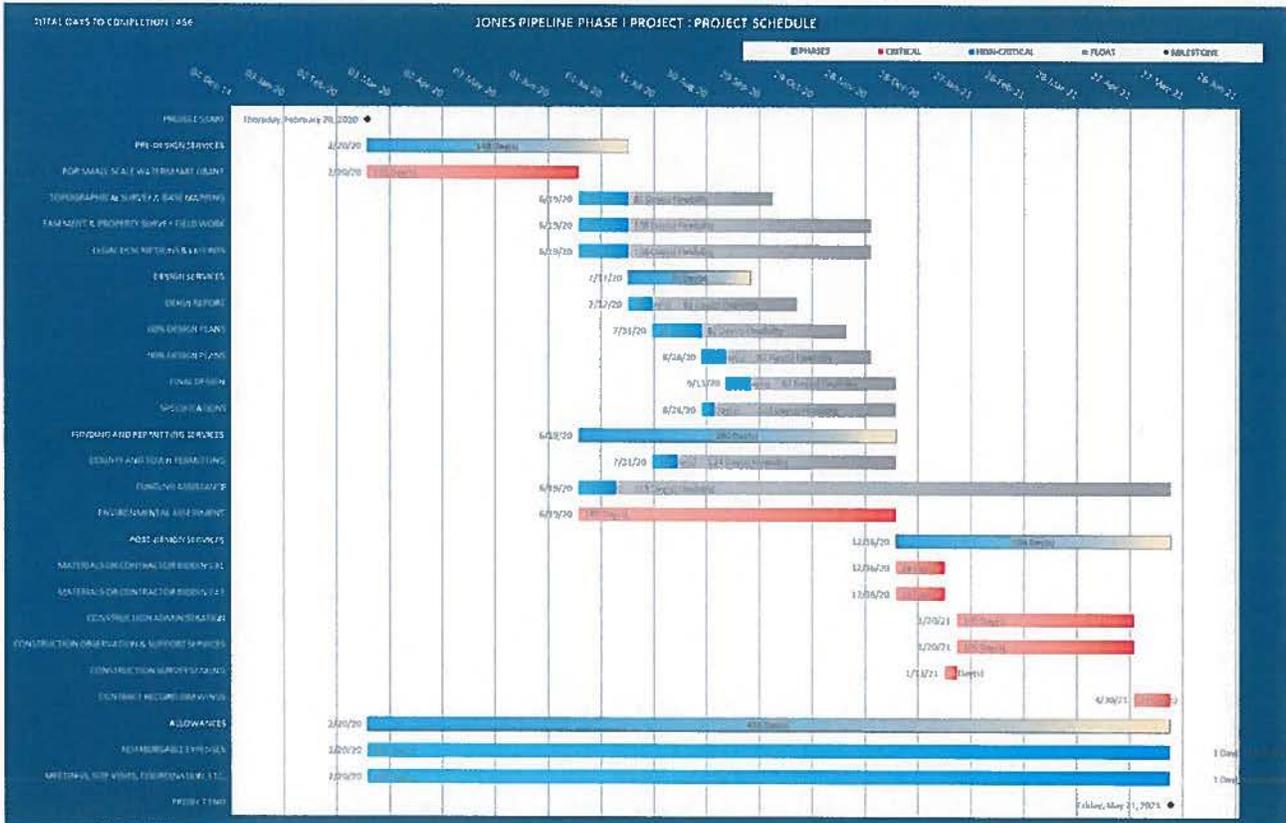


Figure 3: Project Timeline

undertaken by the Association and Sunrise Engineering. The costs of this master planning and resulting designs are not included in this project budget. The environmental review will be started immediately as it is a critical element for hitting the fall construction window. During the time the environmental documents are being reviewed, the pipeline will be designed, and permits will be obtained. Construction is set to begin mid-January. Construction will need to be completed prior to water being released from Newton Dam, this typically occurs mid-May. Construction is scheduled to be finished by the end of April 2020. The proposed project schedule with corresponding tasks, milestones and dates is presented in Figure 4, a larger copy has been included as Appendix G.

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

The following list is of the permits required and a brief description on the process for approval.

- UDOT Encroachment Permit
 - The proposed project will be crossing State HWY 142. An encroachment can be obtained through UDOT. Construction drawings with the stamp of a professional engineer will be required for the permit along with a construction schedule.
- Cache County Encroachment Permit
 - The proposed project will be paralleling County Road 6800 W and crossing County Road 7400 N. An encroachment can be obtained through County. Construction drawings with the stamp of a professional engineer will be required for the permit along with a construction schedule.
- *Identify and describe any engineering or design work performed specifically in support of the proposed project.*

Sunrise Engineering has evaluated the existing pipe sizes and provided preliminary results for new sizes and materials along with a preliminary environmental review. Sunrise Engineering has also prepared cost estimation for both construction and engineering services. Although engineering will be required for this project, they will be part of a larger master planning effort currently under way. The master planning will identify areas of concern and growth limitations. The master planning will also provide engineered construction for multiple projects. As such the costs associated for this master planning and corresponding plans for construction are not included in this budget proposal.

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

No new policies or administrative actions will need to occur to move forward at this time.

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

The environmental compliance estimates were taken from Sunrise's experience with completing NEPA documents in connection with recent projects. For a list of projects containing environmental evaluation and NEPA documentation, see Appendix E. Sunrise has reviewed these costs with the local Reclamation office.

Evaluation Criterion D—Nexus to Reclamation

Up to 10 points may be awarded based on the extent that the proposal demonstrates a nexus between the proposed project and a Reclamation project or activity. Describe the nexus between the proposed project and a Reclamation project or activity, including:

- *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?*

The proposed project does receive Reclamation water. Appendix B contains the water rights involved in the proposed project. Water Right # 25-3515 and #25-3082 belong to Reclamation.

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

The project is a section of the irrigation network owned and operated by the Newton Water Users Association. All water used within the system is collected and diverted from Newton Dam. Newton Dam is owned, funded, and operated through the Bureau of Reclamation. The Association has been working alongside the Reclamation since 1948 in connection with Newton Dam.

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

As previously discussed, the project is directly connected to the Newton Dam, a Reclamation Facility. Additionally, the main back bone of the irrigation system was funded by a WaterSMART Grant from the Reclamation in 2016. There are also various other projects that are currently under way. There are as follows:

- Newton Lateral Piping Project – WaterSMART Grant 2018
 - Within 2.5 mile of proposed project
- Southfields Piping Project – WaterSMART Grant 2019
 - Within 1.2 miles of proposed project
- Hansen and Ezola Laterals Piping Project – WaterSMART Grant 2019
 - Within 3.8 miles of proposed project
- *Will the proposed work contribute water to a basin where a Reclamation project is located?*

Yes, water discharged from Newton Dam (through the irrigation system and through the dam's spillways) flow to Cutler Reservoir. Both the Newton Reservoir and the Cutler Reservoir are within the Bear River Basin. As stated in the "Bear River Basin Planning for the Future", the Bear River Development Act of 1991 allocates 50,000 ac-ft of water to both the Jordan Valley Water Conservancy District and Weber Basin Water Conservancy District, 60,000 ac-ft to the Bear River Water Conservancy District, and 60,000 ac-ft to the water users in Cache County. These allocated waters impact a vast number of Reclamation projects, such as, the Weber Basin Project and its related projects and dams.

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

The project will not provide any known benefit to the tribes.

Evaluation Criterion E—Department of the Interior Priorities

Up to 10 points may be awarded based on the extent that the proposal demonstrates that the project supports Department and Reclamation priorities. Please address those priorities that are applicable to your project. It is not necessary to address priorities that are not applicable to your project. A project will not necessarily receive more points simply because multiple priorities are addressed. Points will be allocated based on the degree to which the project supports one or more of the Priorities listed, and whether the connection to the priority(ies) is well supported in the proposal.

Department Priorities

1. *Creating a conservation stewardship legacy second only to Teddy Roosevelt*
 - a. *Utilize science to identify best practices to manage land and water resources and adapt to changes in the environment.*

The proposed project will install multiple metering devices on individual turnouts. These meters transmit their data directly to a cloud-based storage. This data is then available to both the individual water users and the those managing the water diverted from Newton Dam. This information will aid in improving the management of the water resources entrusted to the Newton Water Users Association.

2. *Restoring trust with local communities*
 - a. *Be a better neighbor with those closest to our resources by improving dialogue and relationships with persons and entities bordering our lands.*

This project will aid in reducing the tension that exists amongst water users. This tension has been created from the frequent pipe ruptures and failures that disrupt watering practices and decrease water reliability. This reduction in tension will be accomplished by removing the inadequate pipe from service and replacing it with a reliable system. It will also be addressed by the installation of isolation valves on individual turn outs and along the main line.

3. *Modernizing our infrastructure*
 - a. *Support the White House Public/Private Partnership Initiative to modernize U.S. Infrastructure.*

This project will help modernize the irrigation practices along the Hansen and Ezola Laterals. Additionally, this modernization of irrigation practices will save energy as more efficient motors replace old motors and as individual small pumps are replaced with a single pump station.
 - b. *Remove impediments to infrastructure development and facilitate private sector efforts to construct infrastructure projects serving American needs.*

The Newton Water Users Association is a privately owned and operated company that serves the irrigation needs for rural communities in and around Newton, Utah. The Town of Newton does not provide secondary irrigation water to their residents nor surrounding communities. Canal and irrigation companies are vital private entities for this community and other like it. Companies such as the Newton Water Users Association and project such as the proposed project help support the local communities where the Cities and Towns have a difficult time providing for this particular need.

Project Budget

The project budget includes:

- 1. Funding plan and letters of commitment*
- 2. Budget proposal*
- 3. Budget narrative*

*Project costs for environmental and cultural compliance and engineering/design that were incurred or are anticipated to be incurred prior to award should be included in the proposed project budget. If the proposed project is selected, the awarding Reclamation Grants Officer will review the proposed pre-award costs to determine if they are consistent with program objectives and are allowable in accordance with the authorizing legislation. Proposed pre-award costs must also be compliant with all applicable administrative and cost principles criteria established in 2 CFR Part 200, available at www.ecfr.gov, and all other requirements of this FOA. **In no case will costs incurred prior to July 1, 2019, be considered for inclusion in the proposed project budget for FY 2020 funding; similarly, no costs incurred prior to July 1, 2020, will be considered for inclusion in the proposed project budget for FY 2021 funding.***

Note: Proposed projects shall not have a construction start date that is prior to April 1, 2020, for fiscal year 2020 funding. This FOA will be updated to provide a construction start date restriction for FY 2021 funding. Please note that the costs for preparing and submitting an application in response to this FOA, including the development of data necessary to support the proposal, are not eligible project costs under this FOA and must not be included in the project budget. In addition, budget proposals must not include costs for the purchase of water or land, or to secure an easement other than a construction easement. These costs are not eligible project costs under this FOA.

Funding Plan and Letters of Commitment

Describe how the non-Federal share of project costs will be obtained. Reclamation will use this information in making a determination of financial capability.

Project funding provided by a source other than the applicant shall be supported with letters of commitment from these additional sources. Letters of commitment shall identify the following elements:

- The amount of funding commitment*
- The date the funds will be available to the applicant*
- Any time constraints on the availability of funds*
- Any other contingencies associated with the funding commitment*

Commitment letters from third party funding sources should be submitted with your application. If commitment letters are not available at the time of the application submission, please provide a timeline for submission of all commitment letters. Cost-share funding from sources outside the applicant's organization (e.g., loans or State grants), should be secured and available to the applicant prior to award.

Reclamation will not make funds available for an award under this FOA until the recipient has secured non-Federal cost-share. Reclamation will execute a financial assistance agreement once non-Federal funding has been secured or Reclamation determines that there is sufficient evidence and likelihood that non-Federal funds will be available to the applicant subsequent to executing the agreement.

The funding plan for the project is as follows and will be split as follows:

- 62.5% Newton Water Users Association through internal funding from saved finances: \$125,000
- 37.5% Reclamation Water SMART Grant: \$75,000
- Support letters from the Newton Water Users Association can be found in Appendix A. A copy of the passed official resolution supporting the project from the Newton Water Users Association can be viewed in Appendix F
- There are no other known contingencies that are associated with the funding commitment

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

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

Newton Water Users Association will be using saved funds for their portion of the funding. These funds will then be replenished through a special assessment to those that directly benefit from the completion of this project. This special assessment will be based on shares.

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

The Association will be using internal funds to provide for their cost-sharing requirements.

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

There are no third party individuals or entities that will be participating in the cost sharing of this project.

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

The Association has not received any cash from non-Federal entities and there are no current requests for cash from non-Federal entities.

- *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.*

The Association does not have any pending funding requests. The Association plans to fund the project with money that has been set aside within the Association.

In addition, please identify whether the budget proposal includes any project costs that have been or may be incurred prior to award. For each cost, describe:

- *The project expenditure and amount*
- *The date of cost incurrence*
- *How the expenditure benefits the Project*

The Newton Water Users Association signed an engineering agreement with Sunrise Engineering for preliminary engineering and Reclamation application preparation.

- Preliminary Design & Funding Assistance – Sunrise Engineering: \$3,000
- Expenses Occurred between February-March 2020

- Without these expenditures the Newton Water Users Association would not have had the resources to make the application with Reclamation.
- Newton Water Users Association shareholders are paying for these expenses on a per share basis and this cost is NOT included as costs to be funded by this budget proposal.

Table 2: Summary of Non-Federal and Federal Funding Sources

| Funding Source | Amount | Percentage |
|-----------------------------------|-------------------|-------------|
| Non-Federal Entities | | |
| Newton Water Users Association | \$ 125,000 | 62.5% |
| Other Federal Entities | | |
| None | \$ 0 | 0% |
| Reclamation Federal Entity | | |
| REQUESTED RECLAMATION FUNDING | \$ 75,000 | 37.5% |
| Total Project Funding | \$ 200,000 | 100% |

Budget Proposal

The total project cost (Total Project Cost), is the sum of all allowable items of costs, including all required cost sharing and voluntary committed cost sharing, including third-party contributions, that are necessary to complete the project (Table 1). Note: The budget proposal must include the cost of all equipment, materials and supplies, and labor or contractual costs to complete the project. Applicants must include the costs of all equipment, materials and supplies, and labor required to complete the project in the budget proposal (Table 2).

The budget proposal should include detailed information on the categories listed on the next page and must clearly identify all cost items, including those that will be contributed as non-Federal cost share by the applicant (required and voluntary), third-party in-kind contributions, and those that will be covered using the funding requested from Reclamation, including any requested pre-award costs. Unit costs must be provided for all budget items including the cost of services or other work to be provided by consultants and contractors. Applicants are strongly encouraged to review the procurement standards for Federal awards found at 2 CFR §200.317 through §200.326 before developing their budget proposal.

It is also strongly advised that applicants use the budget proposal format shown below in Table 3 or a similar format that provides this information. If selected for award, successful applicants must submit detailed supporting documentation for all budgeted costs.

Table 3: Budget Proposal

| BUDGET ITEM DESCRIPTION | COMPUTATION | | Quantity Type | TOTAL COST |
|--------------------------------------|---------------------|----------|---------------|-------------------|
| | \$/Unit | Quantity | | |
| Salaries and Wages | | | | |
| Included within Contractual | N/A | N/A | N/A | \$ 0 |
| Fringe Benefits | | | | |
| Not Applicable for Current Budget | N/A | N/A | N/A | \$ 0 |
| Travel | | | | |
| Not Permitted Under this FOA | N/A | N/A | N/A | \$ 0 |
| Equipment | | | | |
| Included within Contractual | N/A | N/A | N/A | \$ 0 |
| Supplies and Materials | | | | |
| Included within Contractual | N/A | N/A | N/A | \$ 0 |
| Contractual/Construction | | | | |
| Engineering Professional Services | N/A | | | \$ 0 |
| Construction | Refer to Appendix D | | | \$ 180,000 |
| Environmental | Refer to Appendix E | | | \$ 20,000 |
| Other | | | | |
| Not Applicable for Current Budget | N/A | N/A | N/A | \$ 0 |
| TOTAL DIRECT COSTS | | | | \$ 200,000 |
| Indirect Costs | | | | |
| Not Applicable for Current Budget | N/A | N/A | N/A | \$ 0 |
| TOTAL ESTIMATED PROJECT COSTS | | | | \$ 200,000 |

Budget Narrative

Submission of a budget narrative is mandatory. An award will not be made to any applicant who fails to fully disclose this information. The budget narrative provides a discussion of, or explanation for, items included in the budget proposal. The types of information to describe in the narrative include, but are not limited to, those listed in the following subsections. Costs, including the valuation of third-party in-kind contributions, must comply with the applicable cost principles contained in 2 CFR Part §200, available at the Electronic Code of Federal Regulations (www.ecfr.gov).

Salaries and Wages

Indicate the project manager and other key personnel by name and title. The project manager must be an employee or board member of the applicant. Other personnel should be indicated by title alone. For all positions, indicate salaries and wages, estimated hours or percent of time, and rate of compensation. The labor rates must identify the direct labor rate separate from the fringe rate or fringe cost for each position. All labor estimates must be allocated to specific tasks as outlined in the applicant’s technical project description. Labor rates and proposed hours shall be displayed for each task.

The budget proposal and narrative should include estimated hours for compliance with reporting requirements, including the final financial and performance reports. Please see Section F.3. Reporting Requirements and Distribution information on types and frequency of reports required.

Generally, salaries of administrative and/or clerical personnel will be included as a portion of the stated indirect costs. If these salaries can be adequately documented as direct costs, they should be included in this section; however, a justification should be included in the budget narrative.

Within the budget narrative, please provide a certification that the labor rates included in the budget proposal represent the actual labor rates of the identified personnel and are consistently applied to Federal and non-Federal activities. If the proposal is selected for award and the awarding Grants Officer determines that the provided rates fall within Bureau of Labor Statistic averages for personnel with similar job descriptions, no further documentation for this item of cost shall be requested during budget negotiations.

Salaries and Wages are included in Contractual Costs. With the Contractual Costs, the budgeted amounts have been broken down to Items and Materials where applicable. These cost break downs are included in Appendix D.

Fringe Benefits

Identify the rates/amounts, what costs are included in this category, and the basis of the rate computations. Federally approved rate agreements are acceptable for compliance with this item.

Fringe Benefits are not included in this budget. All compensation for employees are included in their Contractual Costs.

Travel

Travel related expenses are not eligible for reimbursement under this FOA and should not be included within the proposed budget.

Travel Costs are not necessary for the completion of this project and are not allowed under this FOA.

Equipment

If equipment will be purchased, itemize all equipment valued at or greater than \$5,000. For each item, identify why it is needed for the completion of the project and how the equipment was priced. Note: If the value is less than \$5,000, the item should be included under materials and supplies. If equipment is being rented, specify the number of hours and the hourly rate. Local rental rates are only accepted for equipment actually being rented or leased.

If the applicant intends to use their own equipment for the purposes of the project, the proposed usage rates should fall within the equipment usage rates outlined by the United States Army Corps of Engineers (USACE) within their Construction Equipment Ownership and Operating Expense Schedule (EP 1110-1-8) at www.publications.usace.army.mil/USACE-Publications/Engineer-Pamphlets/u43545q/313131302D312D38.

If the proposal is selected for award and the awarding Grants Officer determines that the proposed rates fall within those outlined within the USACE publication, no further documentation for this item of cost shall be requested during budget negotiations. Note: If the equipment will be furnished and installed under a construction contract, the equipment should be included in the construction contract cost estimate.

Equipment Costs are included in Contractual Costs. Documentation of all contracts incurred during the project will be properly document as required and will be made available upon request.

Materials and Supplies

Itemize supplies by major category, unit price, quantity, and purpose, such as whether the items are needed for office use, research, or construction. Identify how these costs were estimated (i.e., quotes, engineering estimates, or other methodology).

Note: If the materials/supplies will be furnished and installed under a contract, the equipment should be included in the construction contract cost estimate.

Materials and Supplies are included in Contractual Costs. Documentation of all contracts incurred during the project will be properly documented as required and will be made available upon request.

Contractual

Identify all work that will be accomplished by consultants or contractors, including a breakdown of all tasks to be completed, and a detailed budget estimate of time, rates, supplies, and materials that will be required for each task. For each proposed contract, identify the procurement method that will be used to select the consultant or contractor and the basis for selection

Please note that all procurements with an anticipated aggregate value that exceeds the Simplified Acquisition Threshold (currently \$10,000) must use a competitive procurement method (see 2 CFR §200.320 – Methods of procurement to be followed). Only contracts for architectural/engineering services can be awarded using a qualifications-based procurement method. If a qualifications-based procurement method is used, profit must be negotiated as a separate element of the contract price. See 2 CFR §200.317 through §200.326 for additional information regarding procurements, including required contract content.

If the proposal is selected for award and the awarding Grants Officer determines that the contractual engineering services costs for design engineering and/or construction management costs within the budget proposal do not exceed 8 percent of total project construction costs, then no further documentation for this item of cost shall be requested during budget negotiations.

Funding for the project will be used to pay for contractors, construction material, and environmental consultants. This include construction and environmental, services. A breakdown of these services can be viewed in the following Appendices.

- Appendix D – Construction Services
- Appendix E – Environmental Services

The costs found in the above referenced Appendices were prepared by a professional engineering firm. Costs for construction were taken from recent bid documents from similar type of work and projects. This information is available for review upon request.

Third-Party In-Kind Contributions

Identify all work that will be accomplished by third-party contributors, including a breakdown of all tasks to be completed, and a detailed budget estimate of time, rates, supplies, and materials that will be required for each task. Third-party in-kind contributions, including contracts, must comply with all applicable administrative and cost principles criteria, established in 2 CFR Part 200, available at www.ecfr.gov, and all other requirements of this FOA.

At this point in the project, Newton Water Users Association does not anticipate work to be completed from a third-party contributor.

Environmental and Regulatory Compliance Costs

Prior to awarding financial assistance, Reclamation must first ensure compliance with Federal environmental and cultural resources laws and other regulations ("environmental compliance"). Every project funded under this program will have environmental compliance costs associated with activities undertaken by Reclamation and the recipient.

In order to estimate environmental compliance costs, please contact compliance staff at your local Reclamation Office for additional details regarding the type and costs of compliance that may be required for your project. Note: Support for your compliance costs estimate will be considered during review of your application. Contact the Program Coordinator for the Reclamation staff to contact regarding compliance costs and requirements (Section G.2. Agency Contacts).

Environmental compliance costs are considered project costs and must be included as a line item in the project budget and will be cost shared accordingly. The amount of the line item should be based on the actual expected environmental compliance costs for the project, including Reclamation's cost to review environmental compliance documentation. Environmental compliance costs will vary based on project type, location, and potential impacts to the environment and cultural resources.

How environmental compliance activities will be performed (e.g., by Reclamation, the applicant, or a consultant) and how the environmental compliance funds will be spent will be determined pursuant to subsequent agreement between Reclamation and the applicant. The amount of funding required for Reclamation to conduct any environmental compliance activities, including Reclamation's cost to review environmental compliance documentation, will be withheld from the Federal award amount and placed in an environmental compliance account to cover such costs. If any portion of the funds budgeted for environmental compliance is not required for compliance activities, such funds may be reallocated to the project, if appropriate.

Costs associated with environmental and regulatory compliance must be included in the budget. Compliance costs include costs associated with any required documentation of environmental compliance, analyses, permits, or approvals. Applicable Federal environmental laws could include NEPA, ESA, National Historic Preservation Act (NHPA), Clean Water Act (CWA), and other regulations depending on the project. Such costs may include, but are not limited to:

- *The cost incurred by Reclamation to determine the level of environmental compliance required for the project*
- *The cost incurred by Reclamation, the recipient, or a consultant to prepare any necessary environmental compliance documents or reports*
- *The cost incurred by Reclamation to review any environmental compliance documents prepared by a consultant*
- *The cost incurred by the recipient in acquiring any required approvals or permits, or in implementing any required mitigation measures*

A budget of \$20,000 is planned to complete the environmental requirements of this project. It is anticipated that a team of consultants will be used to prepare the environmental documents to a level acceptable by the National Environmental Policy Act (NEPA) requirements.

Other Expenses

Any other expenses not included in the above categories shall be listed in this category, along with a description of the item and why it is necessary. No profit or fee will be allowed.

There are no other expenses that have not been accounted for in the previous sections and previous budgets.

Indirect Costs

Applicants with a federally approved indirect cost rate agreement may include indirect costs as part of the project budget. Show the agreed upon rate, cost base, and proposed amount for allowable indirect costs. It is not acceptable to simply incorporate indirect rates within other direct cost line items.

If the applicant has never received a Federal negotiated indirect cost rate, the budget may include a de minimis rate of up to 10 percent of modified total direct costs. For further information on modified total direct costs, refer to 2 CFR §200.68 available at www.ecfr.gov.

If the applicant does not have a federally approved indirect cost rate agreement and is proposing a rate greater than the de minimis 10 percent rate, include the computational basis for the indirect expense pool and corresponding allocation base for each rate. Information on "Preparing and Submitting Indirect Cost Proposals" is available from the Department's Interior Business Center, and Indirect Cost Services, at www.doi.gov/ibc/services/finance/indirect-cost-services.

There are no Indirect Costs associated with this proposed project.

Total Costs

| | | |
|-----------------------------------|-----------------------------------|---------------------------|
| <u>Non-Federal Funding Amount</u> | <u>Reclamation Funding Amount</u> | <u>Total Project Cost</u> |
| \$ 125,000 | \$ 75,000 | \$ 200,000 |

Environmental and Cultural Resources Compliance

To allow Reclamation to assess the probable environmental and cultural resources impacts and costs associated with each application, all applicants should consider the following list of questions focusing on the NEPA, ESA, and NHPA requirements. Please answer the following questions to the best of your

knowledge. If any question is not applicable to the project, please explain why. The application should include the answers to:

- *Will the proposed 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 proposed project will occur at along the proposed project's alignment which is 1.1 miles long. The anticipated construction width is 30 ft which is total disturbed area of 4 acres. Best management practices, such as track out pads and water applications, will be used to minimize the effect of the construction on the surrounding environment. It is anticipated that the construction will have a low impact on the surrounding environment with not permanent effect as the pipe alignment will be re-vegetated after the construction is finished.

- *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?*

The Newton area has been identified to be a suitable habitat for the Yellow-billed Cuckoo and the Ute Ladies'-tresses, however, the area is not a critical habitat. Additionally, the work for this project would be performed along roads and within farmers' fields in highly disturbed areas. It is anticipated that there will be no negative effect to any threatened or endangered species.

- *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.*

There are no wetlands or other surface waters that fall with the CWA jurisdiction as "Waters of the United States"

- *When was the water delivery system constructed?*

The main laterals and trunk lines were replaced in 2016. The Jones Pipeline was built in 1964.

- *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.*

The existing irrigation infrastructure that is being replaced is all underground. There are no surface elements that will be removed.

- *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.*

Since the removal of the open ditches and canals with the completion of the 2016 pressurization project, there are no buildings, structure, headgates, flumes or other elements that would be

eligible for listing on the National Register of Historic Places. All features that did qualify were documented in the environmental study that was performed for the completion of the 2016 pressurization project.

- *Are there any known archeological sites in the proposed project area?*

No

- *Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?*

No, in fact, a significant number of those that will benefit from this project are considered low income.

- *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. Note that improvements to Federal facilities that are implemented through any project awarded funding through this FOA must comply with additional requirements. The Federal government will continue to hold title to the Federal facility and any improvement that is integral to the existing operations of that facility. Please see P.L. 111-11, Section 9504(a)(3)(B). Reclamation may also require additional reviews and approvals prior to award to ensure that any necessary easements, land use authorizations, or special permits can be approved consistent with the requirements of 43 CFR Section 429, and that the development will not impact or impair project operations or efficiency.

An environmental clearance will be required before construction can begin. Preliminary research with the Historic Places and National Wetlands Inventory suggests that there are no apparent areas to be concerned with at this time. Permits with Utah Department of Transportation, Storm Water Pollution & Prevention Plans, and Cache County road crossing permits are required for the project, but it is not anticipated that these permits will have major consequences with the project.

Letters of Project Support

Please include letters from interested stakeholders supporting the proposed project. To ensure your proposal is accurately reviewed, please attach all letters of support/ partnership letters as an appendix.

Letters of support for the project are attached in Appendix A. Appendix A includes Letters of Support from the following individuals or groups:

- Local NRCS Office: Brandon Todd
- Cache Water District: Nathan Daugs
- Newton Water Users Association: President Val Jay Rigby
- Newton Water Users Association: Shareholders in support of the project

Official Resolution

Include an official resolution adopted by the applicant's board of directors or governing body, or, for State government entities, an official authorized to commit the applicant to the financial and legal obligations associated with receipt of a financial assistance award under this FOA, verifying:

- *The identity of the official with legal authority to enter into an agreement*
- *The board of directors, governing body, or appropriate official who has reviewed and supports the application submitted*
- *The capability of the applicant to provide the amount of funding and/or in-kind contributions specified in the funding plan*
- *That the applicant will work with Reclamation to meet established deadlines for entering into a grant or cooperative agreement*

An official resolution meeting the requirements set forth above is mandatory. If the applicant is unable to submit the official resolution by the application deadline because of the timing of board meetings or other justifiable reasons, the official resolution may be submitted up to 30 days after the application deadline.

An official resolution meeting the criteria set forth above has been signed and has been attached in Appendix F.

Unique Entity Identifier and System for Award Management

All applicants (unless the applicant has an exception approved by Reclamation under 2 CFR §25.110[d]) are required to:

- (i) Be registered in the System for Award Management (SAM) before submitting its application;*
- (ii) Provide a valid unique entity identifier in its application; and*
- (iii) Continue to maintain an active SAM registration with current information at all times during which it has an active Federal award or an application or plan under consideration by a Federal awarding agency.*

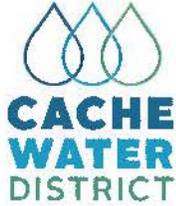
Meeting the requirements set forth above is mandatory. If the applicant is unable to complete registration by the application deadline, the unique entity identifier must be obtained, and SAM registration must be initiated within 30 days after the application deadline in order to be considered for selection and award.

Reclamation will not make a Federal award to an applicant until the applicant has complied with all applicable unique entity identifier and SAM requirements and, if an applicant has not fully complied with the requirements by the time the Reclamation is ready to make an award, Reclamation may determine that the applicant is not qualified to receive a Federal award and use that determination as a basis for making a Federal award to another applicant.

The Company is currently re-activating their accounts with SAM, under DUNNS number 8060037370000. The Newton Water Users Association will maintain a SAM registration as required.

Appendix A

*Commitment Letters
And
Support Letters*



Cache Water District
199 N Main, Logan, Utah 84321 | TEL 435.999.0051

March 4, 2020

Bureau of Reclamation

RE: Small-Scale WaterSMART Grant – Newton Water Users Association Support Letter

To Whom it May Concern:

The purposes of the Cache Water District include planning for and facilitating the long-term conservation, development, protection, distribution, management and stabilization of water rights and water supplies for domestic, irrigation, power, manufacturing, municipal, recreation and other beneficial uses, including the natural stream environment, in a cost effective way to meet the needs of the residents and growing population of Cache County. It is our goal to help all water users in the Cache Valley area to manage, use, and conserve water in the most economical and effective way possible. This includes helping communities and irrigation companies manage their water more effectively with elements such as meters, SCADA data bases, quality distribution systems, etc.

Newton Water Users Association is currently planning for the replacement of the Jones Pipeline. The Jones Pipeline is a transite pipe that was installed in 1964. The pipe has designed for low pressures as it took surface water from a pond and conveyed it to individual irrigators along the west side of Newton Town. In 2016, the full pressurization of the Newton Water Users System was completed. This has greatly increased the water efficiency and management of their water. However, the increase of pressure in the system has pushed the Jones Pipeline beyond its pressure capacity. During the 2019 irrigation season, there was more than 20 breaks on the Jones Pipeline. For each repair, the entire Jones Pipeline has to be shut down, affecting 675 acres of farm ground. The proposed project will replace a section of Jones Pipeline and install new irrigation water meters for individuals along the length of the new pipeline. We believe this project will be a great benefit to Newton Water Users Association and Cache Valley.

Thank you for your consideration,

Nathan Daugs
Manager
Cache Water District

March 4, 2020

U.S. Department of Interior
Bureau of Reclamation
Financial Assistance Support Section

Re: Small-Scale WaterSMART Grant – FOA # BOR-DO-20-F006 Commitment Letter

To whom it may Concern,

Newton Water Users Association is in full support of the irrigation project outlined in the attached grant. We are willing to bring funding to the project and work closely with the Bureau of Reclamation and Engineers throughout the process. We are committed to devote our time and resources to this project, as it will bring so many benefits to our irrigation system through increased reliability and improved water management.

The long-term effects of this project will provide the Association with an increased ability to manage water and it will reduce tensions currently felt due to failures caused by the existing system. The Newton Water Users Association strongly supports this proposal and appreciates the advancements it will make to improving the Newton Water Users irrigation system.

Please feel free to contact me for any other information at rigbyranch@comcast.net or (435) 757-4236

Sincerely,



Val Jay Rigby
President

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

RE: Newton Water Users Association – Jones Pipeline Project (Phase I)

Dear Mr. Rigby:

I am writing this letter in support of the Newton Water Users Association obtaining funding to upgrade and improve the Jones Pipeline. It is understood that the Association will be funding the Jones Pipeline Project (Phase I) through a grant from the Bureau of Reclamation (BOR) and a special assessment from the affected shareholders. The special assessment will only be issued upon receipt of the grant from the BOR and a majority vote from affected shareholders.

I believe this project will be beneficial to myself and the other shareholders/users who depend on the Jones Pipeline. Recently the Jones Pipeline has experienced many pipe failures due to it's in-ability to properly hold the system pressures. Each system failure requires the Jones Pipeline to be shut down completely, affecting all 675 acres on the Jones Pipeline. The system pressures were increased in 2016 due to the completion of the full pressurization of the main canal coming from Newton Dam. The completion of this project will provide a more reliable irrigation system for me and my neighboring water users.

Sincerely,



Signature

2-25-20

Date

Kelly H. Griffin

Print Name

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

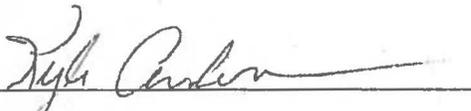
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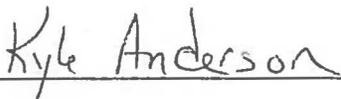
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Sincerely,



Signature

2-28-20
Date



Print Name

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

RE: Newton Water Users Association – Jones Pipeline Project (Phase I)

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Sincerely,



Signature

2/25/2020

Date

Kim Haws

Print Name

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

RE: Newton Water Users Association – Jones Pipeline Project (Phase I)

Dear Mr. Rigby:

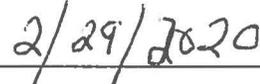
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Sincerely,



Signature



Date



Print Name

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

RE: Newton Water Users Association – Jones Pipeline Project (Phase I)

Dear Mr. Rigby:

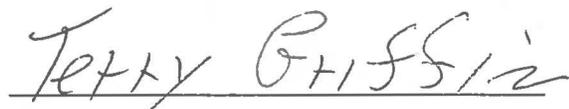
I am writing this letter in support of the Newton Water Users Association obtaining funding to upgrade and improve the Jones Pipeline. It is understood that the Association will be funding the Jones Pipeline Project (Phase I) through a grant from the Bureau of Reclamation (BOR) and a special assessment from the affected shareholders. The special assessment will only be issued upon receipt of the grant from the BOR and a majority vote from affected shareholders.

I believe this project will be beneficial to myself and the other shareholders/users who depend on the Jones Pipeline. Recently the Jones Pipeline has experienced many pipe failures due to it's in-ability to properly hold the system pressures. Each system failure requires the Jones Pipeline to be shut down completely, affecting all 675 acres on the Jones Pipeline. The system pressures were increased in 2016 due to the completion of the full pressurization of the main canal coming from Newton Dam. The completion of this project will provide a more reliable irrigation system for me and my neighboring water users.

Sincerely,


Signature


Date


Print Name

March 4th, 2020

Val Jay Rigby, President
Newton Water Users Association
PO Box 81
Newton, Utah 84327

RE: Newton Water Users Association – Jones Pipeline Project (Phase I)

Dear Mr. Rigby:

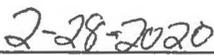
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I believe this project will be beneficial to myself and the other shareholders/users who depend on the Jones Pipeline. Recently the Jones Pipeline has experienced many pipe failures due to its in-ability to properly hold the system pressures. Each system failure requires the Jones Pipeline to be shut down completely, affecting all 675 acres on the Jones Pipeline. The system pressures were increased in 2016 due to the completion of the full pressurization of the main canal coming from Newton Dam. The completion of this project will provide a more reliable irrigation system for me and my neighboring water users.

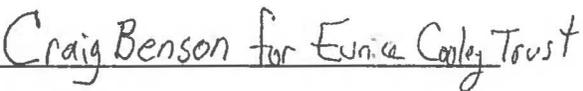
Sincerely,



Signature



Date



Print Name

Appendix B

Water Rights

Water Right Details for 25-6870

Utah Division of Water Rights

2/26/2020 4:30 PM

(WARNING: Water Rights makes NO claims as to the accuracy of this data.)

Water Right: 25-6870

Application/Claim: A46388

Certificate:

Owners:

Name: Newton Water User's Association

Address: c/o Val Jay Rigby

PO Box 81

Newton UT 84327

Interest:

Remarks:

General:

Type of Right: Application To Appropriate

Source of Info.: Water User's Claim

Status: Water User's Claim

Quantity of Water: 24 cfs OR 1522.67 ACFT

Source: Clarkston Creek

County: Cache

Common Description: Newton

Proposed Det. Book: 25-5A

Map:

Pub. Date:

Land Owned by Appl.:

County Tax Id#:

Distribution System:

Dates:

Filing:

Filed: 05/10/1976

Priority: 03/03/1987

Decree/Class:

Advertising:

Publication Began:

Publication End:

Newspaper:

Protest End Date:

Protested: Not Protested

Hearing Held:

Approval:

State Eng. Action: Approved

Action Date: 05/19/1977

Recon. Req. Date:

Recon. Req Action:

Certification:

Proof Due Date: 07/31/1986 Extension Filed Date: 06

Election or Proof: Election

Election/Proof Date: 03/03/1987

Certificate Date: 12/22/2011

Lapsed, Etc. Date: 07/31/1983

Lapsed Letter

Wells:

Prov. Well Date:

Well Renov. Date:

Points of Diversion:

Points of Diversion - Surface:

Stream Alteration Required: No

(1) N 76 ft. W 491 ft. from E4 corner, Sec 05 T 13N R 1W SLBM

Diverting Works:

Source: Clarkston Creek

Elevation:

UTM: 419273.07, 4638667.029 (NAD83)

Water Uses:

Water Uses - Group Number: 19504

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC),

Water Use Types:

Irrigation-Beneficial Use Amount: 0 acres Group Total: 134.4 Period of Use: 04/01 to 10/31
 Comments: & rights diverted in Idaho

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|-----------------------|------------|------|----|----|------------|----|----|----|------------|----|----|----|------------|----|----|-------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 21 T 13N R 1W | | 38.6 | | 40 | 36.8 | | 19 | | | | | | | | | | 134.4 |
| Group Acreage Total : | | | | | | | | | | | | | | | | 134.4 | |

Water Uses - Group Number: 628291

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC), 25-9383(LAP), 25-9399(LAP),

Water Use Types:

Irrigation-Beneficial Use Amount: 0 acres Group Total: 2247.2 Period of Use: 04/01 to 10/31
 Comments:

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|-----------------------|------------|-------|------|------|------------|-------|------|------|------------|-------|-------|-------|------------|-------|-------|--------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 05 T 13N R 1W | | | 0.7 | | | | 2.9 | | 9.6 | 15.1 | 8.4 | 37.6 | 5.2 | 28.9 | 7.4 | 115.8 | |
| Sec 06 T 13N R 1W | | | | | | | | | 1.2 | | 15.1 | | | | | 16.3 | |
| Sec 07 T 13N R 1W | | | | | | | 18.7 | 18.6 | 0.1 | 18.2 | 31.1 | 35.1 | 33.2 | 23.2 | 25.6 | 21.6 | 225.4 |
| Sec 08 T 13N R 1W | 40.7 | 9.3 | 20.5 | 22.4 | | | 2 | | 9.7 | | 33 | 1.1 | | | | 138.7 | |
| Sec 16 T 13N R 1W | | | | | | | | | 0.5 | | 38.9 | 18.7 | | | | 58.1 | |
| Sec 17 T 13N R 1W | 41.2 | 32 | 37.2 | 31.2 | 25.5 | | 38.4 | 15 | 12.42 | 19.75 | 15.65 | 11.33 | 36.5 | 37.7 | 7.8 | 36.3 | 397.95 |
| Sec 18 T 13N R 1W | 39.8 | 38.7 | 37.1 | 39 | 35.6 | 34.1 | 39.5 | 32.8 | 35.8 | 31.2 | 36.6 | 39.3 | 22.63 | 22.18 | 11.19 | 14 | 509.5 |
| Sec 19 T 13N R 1W | 37 | 39.5 | 35.2 | 33.8 | 19.11 | 13.41 | | | 11.3 | | | | | | | | 189.32 |
| Sec 20 T 13N R 1W | 11.56 | 14.77 | | | 1 | 38.1 | | 35.4 | | | | | | | | | 100.83 |
| Sec 21 T 13N R 1W | 40.2 | | 40 | | | | | | | | | | | | | | 80.2 |
| Sec 12 T 13N R 2W | | | | | | | | | | | | | | 3.7 | | 40 | 43.7 |
| Sec 13 T 13N R 2W | 14 | | 15.8 | | 38.1 | 38.7 | 39.7 | 35.9 | | 23 | | | 19 | 35.9 | 2.3 | 38.6 | 301 |
| Sec 24 T 13N R 2W | | | | | 0.7 | 39.8 | | 28.1 | | | | | | 1.8 | | | 70.4 |
| Group Acreage Total : | | | | | | | | | | | | | | | | 2247.2 | |

Water Uses - Group Number: 628480

Water Rights Appurtenant to the following use(s):

25-6870(WUC),

Water Use Types:

Irrigation-Beneficial Use Amount: 1108.6 acres Group Total: 1108.6 Period of Use: 04/01 to 10/31
 Comments:

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|-------------------|------------|-------|------|-------|------------|----|------|----|------------|-------|-------|-------|------------|------|-------|-------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 05 T 13N R 1W | | 33.95 | 38.4 | 30.29 | 28.6 | | 0.32 | | 39.95 | 30.94 | 23.68 | 25.61 | | | | | 251.74 |
| Sec 06 T 13N R 1W | | | | | | | | | | 19.32 | | 19.72 | 39.95 | 39.1 | 39.53 | 37.91 | 195.53 |

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|------------------------------|------------|-------|-------|-------|------------|----|------|-------|------------|-------|------|-------|------------|-------|-------|---------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 07 T 13N R 1W | | 18.06 | | 12.76 | | | | | | | | | | | | | 30.82 |
| Sec 16 T 13N R 1W | | | 6.11 | | | | | 1.47 | 37.77 | 39.53 | | 16.05 | 3.01 | 25.67 | 39.39 | 15.04 | 184.04 |
| Sec 17 T 13N R 1W | | | | 2.27 | 5.09 | | 0.95 | 25.76 | | | | | | | 9.23 | 2.15 | 45.45 |
| Sec 11 T 13N R 2W | | | | | | | | | | | | | | 28.13 | | 26.57 | 54.7 |
| Sec 12 T 13N R 2W | | | | | | | | | 38.99 | 39.39 | 40.4 | 36.79 | | | | | 155.57 |
| Sec 13 T 13N R 2W | 26.61 | 37.52 | 25.08 | 38.54 | | | | | 26.61 | 3.96 | | | 20.19 | 4.06 | 36.74 | 0.61 | 219.92 |
| Sec 24 T 13N R 2W | | 9.56 | | 4.95 | 39.88 | | 23.4 | | | | | | | | | | 77.79 |
| Group Acreage Total : | | | | | | | | | | | | | | | | 1215.56 | |

Use Totals:
 Irrigation sole-supply total: 1108.6 acres for a group total of: 3490.2 acres

Other Comments:
 This application was made to cover additional acreage irrigated by Newton water users. The additional acreage is irrigated because of increased efficiency due to enclosed pipelines and sprinkler lines. This application was also filed to acknowledge the use of depleted return flows.

Reservoirs:
 Small Dam Required: No

Reservoir/Storage Name: Newton Reservoir Dam Number:
 Capacity: 5604 acre-feet Area Inundated: 300 acres
 Dam Height: 101 feet From: 01/01 to 12/31 inclusive

| Area | North West Quarter | | | | North East Quarter | | | | South West Quarter | | | | South East Quarter | | | |
|------------------------|--------------------|----|----|----|--------------------|----|----|----|--------------------|----|----|----|--------------------|----|----|----|
| | NW | NE | SW | SE |
| Sec 05 T 13N R 1W SLBM | | | | | X | X | X | X | | | | | | | | |
| Sec 31 T 14N R 1W SLBM | | | | | | X | | X | | | | | | | | |
| Sec 32 T 14N R 1W SLBM | X | | | X | | | | | X | X | | X | X | | X | X |

Segregation History:

| This Right as originally filed: | Flow in CFS | AND/OR/BLANK | Quantity in Acre-Feet | Water Uses | | | | | | | | |
|---------------------------------|-------------|--------------|-----------------------|-------------------|--------------|-----------------|-----------|--------|-------|-------|--|--|
| | | | | Irrigated Acreage | Stock (ELUs) | Domestic (EDUs) | Acre-Feet | | | | | |
| | | | | | | | Municipal | Mining | Power | Other | | |
| | 24.0 | | 1522.67 | 1108.6 | | | | | | | | |

| This Right as currently calculated: | Flow in CFS | AND/OR/BLANK | Quantity in Acre-Feet | Water Uses | | | | | | | | |
|-------------------------------------|-------------|--------------|-----------------------|------------------|--------------|-----------------|-----------|--------|-------|-------|--|--|
| | | | | Irrigate Acreage | Stock (ELUs) | Domestic (EDUs) | Acre-Feet | | | | | |
| | | | | | | | Municipal | Mining | Power | Other | | |
| | 24.0 | | 1522.67 | 1108.6 | | | | | | | | |

Water Right Details for 25-3515

Utah Division of Water Rights

2/26/2020 4:29 PM

(WARNING: Water Rights makes NO claims as to the accuracy of this data.)

Water Right: 25-3515

Application/Claim:

Certificate:

Owners:

Name: USA Bureau of Reclamation
Address: ATTN: Water Rights Specialist
302 East 1860 South
Provo, UT 84606-7317
Interest: 25%
Remarks:

General:

Type of Right: Decree
Quantity of Water: 24 CFS
Source of Info.: Proposed Determination
Status: Water User's Claim
Source: Clarkston Creek
County: Cache
Common Description:
Proposed Det. Book: 25-
Map: 25d35b
Pub. Date:
Land Owned by Appl.:
County Tax Id#:
Distribution System:

Dates:

Filing:
Filed:
Priority:
Decree/Class:
Advertising:
Publication Began:
Publication End:
Newspaper:
Protest End Date:
Protested: Not Protested
Hearing Held:
Approval:
State Eng. Action:
Action Date:
Recon. Req. Date:
Recon. Req Action:
Certification:
Proof Due Date:
Extension Filed Date:
Election or Proof:
Election/Proof Date:
Certificate Date:
Lapsed, Etc. Date:
Lapsed Letter
Wells:
Prov. Well Date:
Well Renov. Date:

Points of Diversion:

Points of Diversion - Surface:
Stream Alteration Required:
(1) N 76 ft. W 491 ft. from E4 corner, Sec 05 T 13N R 1W SLBM
Diverting Works:
Elevation:
Source: Clarkston Creek
UTM: 419273.07, 4638667.029 (NAD83)

| | |
|---|------------------------------------|
| Points of Rediversion: | |
| (1) S 635 ft. E 3115 ft. from NW corner, Sec 08 T 13N R 1W SLBM | |
| Diverting Works: | Source: Clarkston Creek |
| Elevation: | UTM: 418753.741, 4637650.8 (NAD83) |
| (2) S 2375 ft. W 180 ft. from N4 corner, Sec 17 T 13N R 1W SLBM | |
| Diverting Works: | Source: |
| Elevation: | UTM: 418541.973, 4635496.369 |

Water Uses:

Water Uses - Group Number: 19504

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC),

Water Use Types:

Irrigation-Beneficial Use Amount: 0 acres Group Total: 134.4 Period of Use: 04/01 to 10/31
 Comments: & rights diverted in Idaho

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|------------------------------|------------|------|----|----|------------|----|----|----|------------|----|----|----|------------|----|-------|----|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 21 T 13N R 1W | | 38.6 | | 40 | 36.8 | | 19 | | | | | | | | | | 134.4 |
| Group Acreage Total : | | | | | | | | | | | | | | | 134.4 | | |

Water Uses - Group Number: 19954

Water Rights Appurtenant to the following use(s):

25-3515(WUC),

Water Use Types:

Stock Water-Beneficial Use Amount: Unevaluated ELUs Group Total: 300 Period of Use: 01/01 to 12/31
 Comments:

Water Uses - Group Number: 628291

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC), 25-9383(LAP), 25-9399(LAP),

Water Use Types:

Irrigation-Beneficial Use Amount: 1359.9 acres Group Total: 2247.2 Period of Use: 04/01 to 10/31
 Comments:

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|-------------------|------------|-------|------|------|------------|-------|------|------|------------|-------|-------|-------|------------|-------|-------|------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 05 T 13N R 1W | | | 0.7 | | | | 2.9 | | | 9.6 | 15.1 | 8.4 | 37.6 | 5.2 | 28.9 | 7.4 | 115.8 |
| Sec 06 T 13N R 1W | | | | | | | | | | 1.2 | | 15.1 | | | | | 16.3 |
| Sec 07 T 13N R 1W | | | | | | | 18.7 | 18.6 | 0.1 | 18.2 | 31.1 | 35.1 | 33.2 | 23.2 | 25.6 | 21.6 | 225.4 |
| Sec 08 T 13N R 1W | 40.7 | 9.3 | 20.5 | 22.4 | | | 2 | | 9.7 | | 33 | 1.1 | | | | | 138.7 |
| Sec 16 T 13N R 1W | | | | | | | | | 0.5 | | 38.9 | 18.7 | | | | | 58.1 |
| Sec 17 T 13N R 1W | 41.2 | 32 | 37.2 | 31.2 | 25.5 | | 38.4 | 15 | 12.42 | 19.75 | 15.65 | 11.33 | 36.5 | 37.7 | 7.8 | 36.3 | 397.95 |
| Sec 18 T 13N R 1W | 39.8 | 38.7 | 37.1 | 39 | 35.6 | 34.1 | 39.5 | 32.8 | 35.8 | 31.2 | 36.6 | 39.3 | 22.63 | 22.18 | 11.19 | 14 | 509.5 |
| Sec 19 T 13N R 1W | 37 | 39.5 | 35.2 | 33.8 | 19.11 | 13.41 | | | 11.3 | | | | | | | | 189.32 |
| Sec 20 T 13N R 1W | 11.56 | 14.77 | | | 1 | 38.1 | | 35.4 | | | | | | | | | 100.83 |
| Sec 21 T 13N R 1W | 40.2 | | 40 | | | | | | | | | | | | | | 80.2 |
| Sec 12 T 13N R 2W | | | | | | | | | | | | | | 3.7 | | 40 | 43.7 |

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section |
|-----------------------|------------|----|------|----|------------|------|------|------|------------|----|----|----|------------|------|-----|--------|---------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | Totals |
| Sec 13 T 13N R 2W | 14 | | 15.8 | | 38.1 | 38.7 | 39.7 | 35.9 | | 23 | | | 19 | 35.9 | 2.3 | 38.6 | 301 |
| Sec 24 T 13N R 2W | | | | | 0.7 | 39.8 | | 28.1 | | | | | | 1.8 | | | 70.4 |
| Group Acreage Total : | | | | | | | | | | | | | | | | 2247.2 | |

Use Totals:

Irrigation sole-supply total: 1359.9 acres for a group total of: 2381.6 acres
 Stock Water sole-supply total: Unevaluated ELUs for a group total of: 300 ELUs

Other Comments:

Priority for Flow - 5/1/1869
 Priority for Storage - 5/1/1873

Reservoirs:

| Reservoir/Storage Name: Newton Reservoir | | | | | | | | | | Dam Number: | | | | | | | |
|--|--------------------|----|----|----|--------------------|----|----|----|--------------------|--------------------------------|----|----|--------------------|----|----|----|--|
| Capacity: 5604 acre-feet | | | | | | | | | | Area Inundated: 0 acres | | | | | | | |
| Dam Height: 0 feet | | | | | | | | | | From: 01/01 to 12/31 inclusive | | | | | | | |
| Area | North West Quarter | | | | North East Quarter | | | | South West Quarter | | | | South East Quarter | | | | |
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 05 T 13N R 1W SLBM | | | | | X | X | X | X | | | | | | | | | |
| Sec 31 T 14N R 1W SLBM | | | | | | X | | X | | | | | | | | | |
| Sec 32 T 14N R 1W SLBM | X | | | X | | | | | X | X | | X | X | | X | X | |

Water Right Details for 25-3082

Utah Division of Water Rights

2/26/2020 4:30 PM

(WARNING: Water Rights makes NO claims as to the accuracy of this data.)

Water Right: 25-3082

Application/Claim: A12705

Certificate: 5485

Owners:

Name: USA Bureau of Reclamation
Address: ATTN: Water Rights Specialist
302 East 1860 South
Provo, UT 84606-7317
Interest:
Remarks:

General:

Type of Right: Application To Appropriate Source of Info.: Proposed Determination Status: Certificated
Quantity of Water: 24 CFS
Source: Clarkston Creek
County: Cache
Common Description:
Proposed Det. Book: 25- Map: 35 Pub. Date:
Land Owned by Appl.: County Tax Id#:
Distribution System:

Dates:

Filing:
Filed:
Priority: 06/21/1938 Decree/Class:
Advertising:
Publication Began: Publication End: Newspaper:
Protest End Date: Protested: Not Protested Hearing Held:
Approval:
State Eng. Action: Approved Action Date:
Recon. Req. Date: Recon. Req. Action:
Certification:
Proof Due Date: Extension Filed Date:
Election or Proof: Election/Proof Date:
Certificate Date: Lapsed, Etc. Date: Lapsed Letter
Wells:
Prov. Well Date: Well Renov. Date:

Points of Diversion:

Points of Diversion - Surface:
Stream Alteration Required:
(1) N 76 ft. W 491 ft. from E4 corner, Sec 05 T 13N R 1W SLBM
Diverting Works: Source:
Elevation: UTM: 419273.07, 4638667.029 (NAD83)

| | |
|---|------------------------------------|
| Points of Rediversion: | |
| (1) S 635 ft. E 3115 ft. from NW corner, Sec 08 T 13N R 1W SLBM | |
| Diverting Works: | Source: |
| Elevation: | UTM: 418753.741, 4637650.8 (NAD83) |
| (2) S 2375 ft. W 180 ft. from N4 corner, Sec 17 T 13N R 1W SLBM | |
| Diverting Works: | Source: |
| Elevation: | UTM: 418541.973, 4635496.369 |

Water Uses:

Water Uses - Group Number: 19504

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC),

Water Use Types:

Irrigation-Beneficial Use Amount: 72.4 acres Group Total: 134.4 Period of Use: 04/01 to 10/31
 Comments: & rights diverted in Idaho

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|------------------------------|------------|------|----|----|------------|----|----|----|------------|----|----|----|------------|----|----|-------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 21 T 13N R 1W | | 38.6 | | 40 | 36.8 | | 19 | | | | | | | | | | 134.4 |
| Group Acreage Total : | | | | | | | | | | | | | | | | 134.4 | |

Water Uses - Group Number: 628291

Water Rights Appurtenant to the following use(s):

25-3082(CERT), 25-3515(WUC), 25-6870(WUC), 25-9383(LAP), 25-9399(LAP),

Water Use Types:

Irrigation-Beneficial Use Amount: 887.3 acres Group Total: 2247.2 Period of Use: 04/01 to 10/31
 Comments:

| Place Of Use: | North West | | | | North East | | | | South West | | | | South East | | | | Section Totals |
|------------------------------|------------|-------|------|------|------------|-------|------|------|------------|-------|-------|-------|------------|-------|-------|--------|----------------|
| | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | NW | NE | SW | SE | |
| Sec 05 T 13N R 1W | | | 0.7 | | | | 2.9 | | 9.6 | 15.1 | 8.4 | 37.6 | 5.2 | 28.9 | 7.4 | 115.8 | |
| Sec 06 T 13N R 1W | | | | | | | | | 1.2 | | 15.1 | | | | | 16.3 | |
| Sec 07 T 13N R 1W | | | | | | | 18.7 | 18.6 | 0.1 | 18.2 | 31.1 | 35.1 | 33.2 | 23.2 | 25.6 | 225.4 | |
| Sec 08 T 13N R 1W | 40.7 | 9.3 | 20.5 | 22.4 | | | 2 | | 9.7 | | 33 | 1.1 | | | | 138.7 | |
| Sec 16 T 13N R 1W | | | | | | | | | 0.5 | | 38.9 | 18.7 | | | | 58.1 | |
| Sec 17 T 13N R 1W | 41.2 | 32 | 37.2 | 31.2 | 25.5 | | 38.4 | 15 | 12.42 | 19.75 | 15.65 | 11.33 | 36.5 | 37.7 | 7.8 | 397.95 | |
| Sec 18 T 13N R 1W | 39.8 | 38.7 | 37.1 | 39 | 35.6 | 34.1 | 39.5 | 32.8 | 35.8 | 31.2 | 36.6 | 39.3 | 22.63 | 22.18 | 11.19 | 509.5 | |
| Sec 19 T 13N R 1W | 37 | 39.5 | 35.2 | 33.8 | 19.11 | 13.41 | | | 11.3 | | | | | | | 189.32 | |
| Sec 20 T 13N R 1W | 11.56 | 14.77 | | | 1 | 38.1 | | 35.4 | | | | | | | | 100.83 | |
| Sec 21 T 13N R 1W | 40.2 | | 40 | | | | | | | | | | | | | 80.2 | |
| Sec 12 T 13N R 2W | | | | | | | | | | | | | 3.7 | | 40 | 43.7 | |
| Sec 13 T 13N R 2W | 14 | | 15.8 | | 38.1 | 38.7 | 39.7 | 35.9 | | 23 | | | 19 | 35.9 | 2.3 | 301 | |
| Sec 24 T 13N R 2W | | | | | 0.7 | 39.8 | | 28.1 | | | | | | 1.8 | | 70.4 | |
| Group Acreage Total : | | | | | | | | | | | | | | | | 2247.2 | |

Use Totals:

Irrigation sole-supply total: 959.7 acres for a group total of: 2381.6 acres

Reservoirs:

Reservoir/Storage Name: Newton Reservoir

Dam Number:

Capacity: 5604 acre-feet

Area Inundated: 0 acres

Dam Height: 0 feet

From: 01/01 to 12/31 inclusive

| Area | North West Quarter | | | | North East Quarter | | | | South West Quarter | | | | South East Quarter | | | |
|------------------------|--------------------|----|----|----|--------------------|----|----|----|--------------------|----|----|----|--------------------|----|----|----|
| | NW | NE | SW | SE |
| Sec 05 T 13N R 1W SLBM | | | | | X | X | X | X | | | | | | | | |
| Sec 31 T 14N R 1W SLBM | | | | | | X | | X | | | | | | | | |
| Sec 32 T 14N R 1W SLBM | X | | X | | | | | | X | X | | X | X | | X | X |

Appendix C

Conservation Plan
(Cover Page)

WATER MANAGEMENT & CONSERVATION PLAN 2015

Name of Water Utility/Company

Newton Water Users Association (NWUA)

A. Background Information

Background Data

The Newton Water Users Association's irrigation system is located 0.5 to 2 miles north of the Town of Newton, Utah (see Figure 1). The Bureau of Reclamation (BOR) has a long partnership with NWUA. Newton Dam and Reservoir, which are owned by the BOR, are the means by which water is conveyed in the NWUA canal system and ultimately to the irrigators of the NWUA. The dam, reservoir, and canals were completed in partnership with the BOR in 1946 to replace the original structure constructed in 1874. The dam, reservoir, and canal system is known to BOR as the Newton Project and is identified as Project #292. Additional information concerning the dam, reservoir, and canal history can be reviewed on the BOR website (<http://www.usbr.gov/projects/>).

Water Shortfalls

Depending on the snowpack and annual precipitation, NWUA has the right to more water and could use more than typically reaches the reservoir. NWUA must conservatively allocate and monitor the amount of water to each user on the system in order to provide water for the 150 day growing season.

Goals of NWUA

The NWUA seeks to conserve and more efficiently manage the available water in Newton Reservoir. The agricultural lands are irrigated by sprinkling which allows for harvests of alfalfa, corn, and a variety of grain crops. A large portion of this harvested agricultural land supports local dairy operations. Water conserved by piping the canals will help the farms provide adequate water supplies to crops during the entire growing season, thus producing a higher quality of crops.

The current system is outdated and the canals are structurally decaying beyond cost efficient repairs. The need for a new system is essential for the ongoing agricultural lands and dairies that are within the geographic area in NWUA jurisdiction.

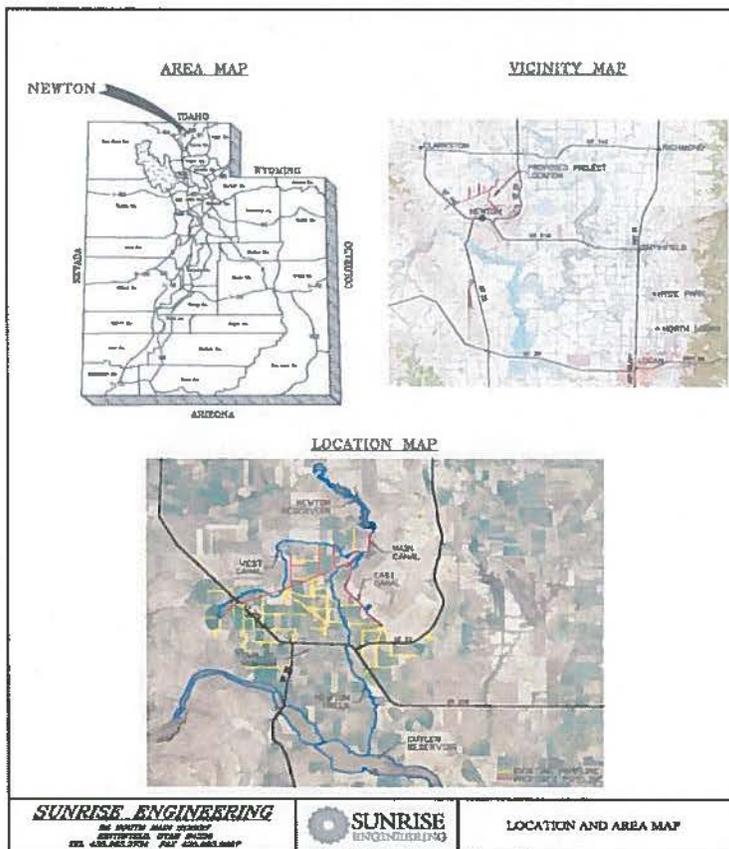


Figure 1: Newton Project Location and Area Map

Appendix D

Opinion of Construction Costs

Newton Water Users Association

Jones Pipeline Project – Phase I

Opinion of Probable Construction Costs

| ITEM NO. | ITEM | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|------------------------------|--------------------------------|----------|--------|------------|-------------------|
| 1 | Mobilization (5%) | 1 | L.S. | \$7,800 | \$7,800 |
| 2 | 15" P.I.P. PVC Pipe 150 psi | 1,200 | LN.FT. | \$26 | \$31,200 |
| 3 | 12" P.I.P. PVC Pipe 150 psi | 4,650 | LN.FT. | \$20 | \$93,000 |
| 4 | Connection to Existing System | 2 | EA | \$2,500 | \$5,000 |
| 5 | 1" Service Connection | 8 | EA | \$875 | \$7,000 |
| 6 | 6" Service Connection | 6 | EA | \$3,000 | \$18,000 |
| 7 | Mainline Isolation Valves | 1 | EA | \$2,000 | \$2,000 |
| 8 | Construction Contingency (10%) | 1 | L.S. | \$16,000 | \$16,000 |
| Construction Subtotal | | | | | \$ 180,000 |

Budget Narrative

The above cost estimate is based on unit prices. The unit prices were taken from actual construction bids tabulations from multiple projects of similar nature and/or type of work located in Cache County, Utah. Additional research was performed to aid in the developing of this cost estimate (such as contacting suppliers, etc.) Relative projects include the following:

Newton Water Users Canal Piping – 2016

Big Birch & North Fork Spring Redevelopment Project – 2016

Benson Irrigation Project - 2018

And additional miscellaneous piping projects throughout Cache County

Item 1 - Mobilization is based on 5% of the construction costs.

Item 2 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County.

Item 3 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County.

Item 4 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County. Additionally, it was determined by evaluating manhours.

Item 5 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County.



Item 6 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County.

Item 7 – Was based on the Newton Water Users, Big Birch, North Fork Spring Redevelopment projects, Benson Irrigation Project & And additional miscellaneous piping projects throughout Cache County.

Item 8 – Construction Contingency was based on 10% of the construction materials. This 10% has been based on research and Sunrise’s professional experience and judgement. Additionally, it is influenced by the size of project.

Appendix E

Opinion of Environmental Costs

Newton Water Users Association

Jones Pipeline Project – Phase I

Opinion of Probable Environmental Costs

| ITEM NO. | ITEM | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---|--|----------|------|-------------|---------------------|
| Archeologist Investigation | | | | | |
| 1 | Filed Work/Site Investigation | 20 | Hrs | \$ 100.00 | \$ 2,000.00 |
| 2 | Archeology File Search | 12 | Hrs | \$ 100.00 | \$ 1,200.00 |
| 3 | Reporting and Deliverables | 20 | Hrs | \$ 100.00 | \$ 2,000.00 |
| Archeologist Subtotal | | | | | \$ 5,200.00 |
| Flora and Fauna Investigation | | | | | |
| 4 | Filed Work/Site Investigation | 15 | Hrs | \$ 100.00 | \$ 1,500.00 |
| 5 | Biology/Habitat File Search | 10 | Hrs | \$ 100.00 | \$ 1,000.00 |
| 6 | Reporting and Deliverables | 15 | Hrs | \$ 100.00 | \$ 1,500.00 |
| Flora and Fauna Subtotal | | | | | \$ 3,500.00 |
| Additional Required Items | | | | | |
| 7 | BOR Environmental Fees | 1 | LS | \$ 7,000.00 | \$ 7,000.00 |
| 8 | SHPO - Utah State History File Search | 1 | LS | \$ 200.00 | \$ 200.00 |
| 9 | Project Manager Coordination and Reporting | 1 | LS | \$ 4,100.00 | \$ 4,100.00 |
| Additional Required Items Subtotal | | | | | \$ 11,300.00 |
| Total | | | | | \$ 20,000 |

Budget Narrative

The above cost estimate is based Sunrise's professional experience and judgement. Additionally, it is based on recent projects that environmental reviews and approvals have been required. These projects include:

- Newton Lateral Piping Project (with BOR)
- Hansen and Ezola Laterals Piping Project (with BOR)
- Newton Dam – Pipeline through the Dam (with BOR)
- Weston, Idaho Capital Facility Water Master Plan
 - Tank Construction
 - Well Construction



- Transmission Line Construction
- Laketown, Utah Capital Facility Water Master Plan
 - Tank Construction
 - Transmission Line Construction

The local Reclamation Office was also contacted during the preparation of this application. Their estimates are as follows:

Steven D. Wood

From: Baxter, Jared J <jbaxter@usbr.gov>
Sent: Thursday, February 27, 2020 10:29 AM
To: Steven D. Wood
Subject: RE: Request for BOR Input Concerning Environmental Requirements and Costs for the Jones Pipeline Project - Phase I

Steven,

Thank you for the email. First, note that my reply does not commit Reclamation to awarding your project a WaterSMART grant, nor does it commit Reclamation to a certain level of NEPA documentation or funding required to provide an environmental review of your project.

Based on the information provided, I agree that a categorical exclusion would be appropriate and that approximately \$7,000 for Reclamation's environmental review would be adequate.

Thanks,
Jared

Jared Baxter
NEPA Specialist
Bureau of Reclamation
Provo Area Office
o: 801-379-1081
c: 385-225-7700

From: Steven D. Wood <sdwood@sunrise-eng.com>
Sent: Wednesday, February 26, 2020 3:31 PM
To: Baxter, Jared J <jbaxter@usbr.gov>
Subject: [EXTERNAL] Request for BOR Input Concerning Environmental Requirements and Costs for the Jones Pipeline Project - Phase I

Afternoon Jared,

Thank you for talking with me the earlier today concerning the Newton Water Users Association and their desire to replace a section of the Jones Pipeline. To provide a brief summary of our discussion, the Newton Water Users are currently pursuing a WaterSMART Grant with the Bureau of Reclamation for the replacing of a section of the Jones Pipeline that is currently failing and installing new irrigation meters. Below is a brief project description.

Newton Water Users Association: Jones Pipeline Project (Phase I)

Currently the Jones Pipeline runs along the 6800 West in the County which is the western edge of Newton Town. The pipe is made of concrete transite pipe and was built in 1964. The pipe is currently leaking severely and, with the completion of the 2016 pressurization project, is constantly failing. The 2016 pressurized project converted the Association's canals to a complete pressure system. The system has worked wonderfully, but a few older laterals are not able to hold the new pressure. The Jones Pipeline is such a lateral. During the 2019 irrigation season along the pipeline experienced over 20 breaks. The entire pipeline needs to be shut down in order to repair a break because there are no isolation valves on the system. This results in the 675 acres that depend on water from the Jones Pipeline to go without water during each repair. Additionally, there are major leaks resulting in un-monitored water loss along the system. The

proposed project will replace the first 5,800 feet of the Jones Pipeline and install meters for the individual users along the way.

A KMZ file of project area and alignment has been included.

The new alignment will be following the old alignment which primarily follows local roads and farmer access roads. As such, it is anticipated that there will be a minimal impact to the environment as a result of this project. It is also anticipated that a categorical exclusion can be filed for this project.

Sunrise has prepared a cost estimate for the environmental portion of the project, it is shown below.

| ITEM NO. | ITEM | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---|--|----------|------|-------------|---------------------|
| Archeologist Investigation | | | | | |
| 1 | Filed Work/Site Investigation | 20 | Hrs | \$ 100.00 | \$ 2,000.00 |
| 2 | Archeology File Search | 12 | Hrs | \$ 100.00 | \$ 1,200.00 |
| 3 | Reporting and Deliverables | 20 | Hrs | \$ 100.00 | \$ 2,000.00 |
| Archeologist Subtotal | | | | | \$ 5,200.00 |
| Flora and Fauna Investigation | | | | | |
| 4 | Filed Work/Site Investigation | 15 | Hrs | \$ 100.00 | \$ 1,500.00 |
| 5 | Biology/Habitat File Search | 10 | Hrs | \$ 100.00 | \$ 1,000.00 |
| 6 | Reporting and Deliverables | 15 | Hrs | \$ 100.00 | \$ 1,500.00 |
| Flora and Fauna Subtotal | | | | | \$ 3,500.00 |
| Additional Required Items | | | | | |
| 7 | BOR Environmental Fees | 1 | LS | \$ 7,000.00 | \$ 7,000.00 |
| 8 | SHPO - Utah State History File Search | 1 | LS | \$ 200.00 | \$ 200.00 |
| 9 | Project Manager Coordination and Reporting | 1 | LS | \$ 4,100.00 | \$ 4,100.00 |
| Additional Required Items Subtotal | | | | | \$ 11,300.00 |
| Total | | | | | \$ 20,000 |

Sunrise would like to request your input on the environmental portion for the Jones Pipeline Project Phase I for the Newton Water Users Association. Thank you for your input and support for this project.

Regards,

Steven D. Wood



STEVEN D WOOD
Assistant Project Manager

sdwood@sunrise-eng.com
26 S. Main Street, Smithfield, Utah 84335

Appendix F

Resolution

OFFICIAL RESOLUTION
OF THE
Newton Water Users Association
Resolution No. 2020 -1

The President of the Association is Val Jay Rigby, and he will be the legal authority on the project.

AUTHORIZING THE PRESIDENT OF THE NEWTON WATER USERS ASSOCIATION TO APPLY FOR A CONTRIBUTION GRANT FROM THE U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION, FOR THE RENOVATION AND IMPROVEMENT OF PART OF THE NEWTON WATER USERS ASSOCIATION IRRIGATION SYSTEM KNOWN AS THE JONES PIPELINE.

WHEREAS, The Newton Water Users Association, (the "Association") of Newton, Utah deems it necessary to apply to the Department of the Interior, Bureau of Reclamation, for funding through a cost-sharing grant, shall not exceed (\$ 200,000 Total Project, \$ 75,000 Water SMART Grant) for design & construction to re-habilitate and upgrade the Jones Pipeline. The Association has reviewed and supports the application submitted.

WHEREAS, The Association intentions are to provide the remaining funding using money currently in their accounts. The money will be replenished through a special assessment to the affected shareholders on the Jones Pipeline.

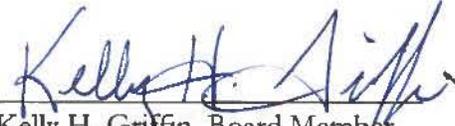
WHEREAS, the Association will work with Reclamation to meet environmental compliance and established deadlines for the entering into a grant or cooperative agreement.

Date: Feb 12, 2020



Val Jay Rigby, President

ATTEST:



Kelly H. Griffin, Board Member

*Signed Copy was sent to BOR as part of the Final Submission

Appendix G

Proposed Schedule

TOTAL DAYS TO COMPLETION: 456

JONES PIPELINE PHASE I PROJECT - PROJECT SCHEDULE

