South Weber Water Improvement District

WaterSMART Grants: Small-Scale Water Efficiency Projects - FY 2020
BOR-DO-20-F006

PROJECT TITLE:

South Weber Water Secondary Water Metering Project - Phase 1

APPLICANT:
South Weber Water Improvement District
7924 South 1900 East
South Weber, UT 84405-7732

PROJECT MANAGER:
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March 4, 2020

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South Weber Water Secondary Water Metering Project - Phase 1

1. Executive Summary

Applicant Info

Date: March 4, 2020

Applicant Name: South Weber Water Improvement District

City, County, State: South Weber, Davis, Utah

Project Manager:

Name: Landy Ukena, South Weber Water Improvement District
Address: 7924 S 1900 E, South Weber, Utah 84405-7732
Phone: 801-475-4749
Email: SouthWeberWater@gmail.com

Project Funding Request: Small Scale Water Efficiency Projects - Total Cost $150,000

Project Summary

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

South Weber Water Improvement District ("District") proposes to install 100 to 125 secondary water meters at existing unmetered residential connections to the District's pressurized irrigation system. While meters have been installed on newly constructed homes, this is the District's first effort to install meters at existing connections. The District is undertaking a multi-year program to install meters at all its 1,325 existing residential, commercial, institutional, and industrial customers. Sensus iPerl water meters with Sensus endpoints compatible with an existing regional Automated Metering Infrastructure System (AMI) will be installed by a qualified contractor. The project, which will include conservation outreach, will promote water conservation, identify leaks and peak usage, and allow the District to better manage its water supply all of which will help the District achieve its best management priorities. The project contributes to the Bureau of Reclamation's mission of managing and protecting water resources and the FOA's objective of using technology to increase water reliability.

Schedule

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

The District intends to begin installation as soon as practical based on the date of grant award notification, receipt of an environmental Categorical Exclusion, and completion of a competitive bidding process. The projects schedule anticipates authorizing contractor mobilization in June 2020 with installations being completed in August 2020. Final reporting and project close-out activities are anticipated in October 2020.

Federal Facility

Whether or not the project is located on a Federal Facility

This project will not be located on a federal facility.

2. Background Data

Water Supply

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.

Source of water supply and water rights involved

Approximately 100% of the District's water supply is Weber Basin project water. The South Weber Improvement District owns the water shares and has contracts for the delivery of 2,223 acre-feet of water. The water supply is 98% obligated.

Current water uses and number of water users served

The District distributes pressurized secondary irrigation water primarily for landscape use at approximately 1,237 residential homes, 5 commercial businesses, 10 institutions, and 1 industrial user, The District also supplies pressurized irrigation through 72 connections to agricultural users for a total of 1,325 connections. The District serves a geographic area of approximately 954 acres

Current and projected water demand/ Potential shortfalls in water supply

The District's contracted water supply is currently 98% obligated. While most of the District's service area is built out, there are multiple parcels that could be developed into residential lots in the near future. Demands from future residential growth could strain the available water supply if conservation projects such as the proposed secondary water metering project are not implemented. Without the proposed metering project, it is unlikely that the District will be able to meet its conservation goal of a 25% per capita reduction by 2025 as compared to year 2000 per capita water usage.

Water Delivery System

Describe the applicant's water delivery system as appropriate. For municipal systems, please include the length of distribution lines, number and size of storage tanks, number of pump stations and capacities, and number of connections and/or number of water users served and any other relevant information describing the system.

The District owns and operates a 6.5 acre-foot water storage reservoir where it receives Weber Basin project water. The system is gravity fed and does not include storage tanks or pump stations. The District maintains and operates a pressurized secondary water distribution system that serves approximately 1,325 customers. A map of the distribution system is included in Attachment B. The distribution system is comprised of distribution lines that vary in diameter from 30" to 4" with a total length of pipe of 22.13 miles.

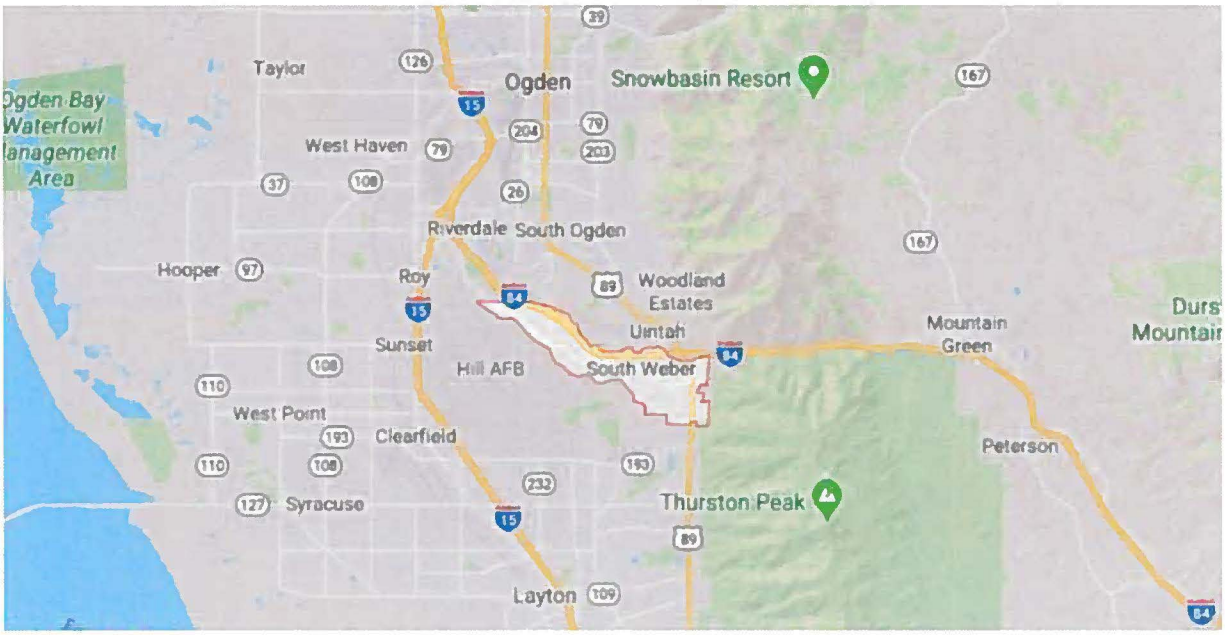
Relationship with Reclamation

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

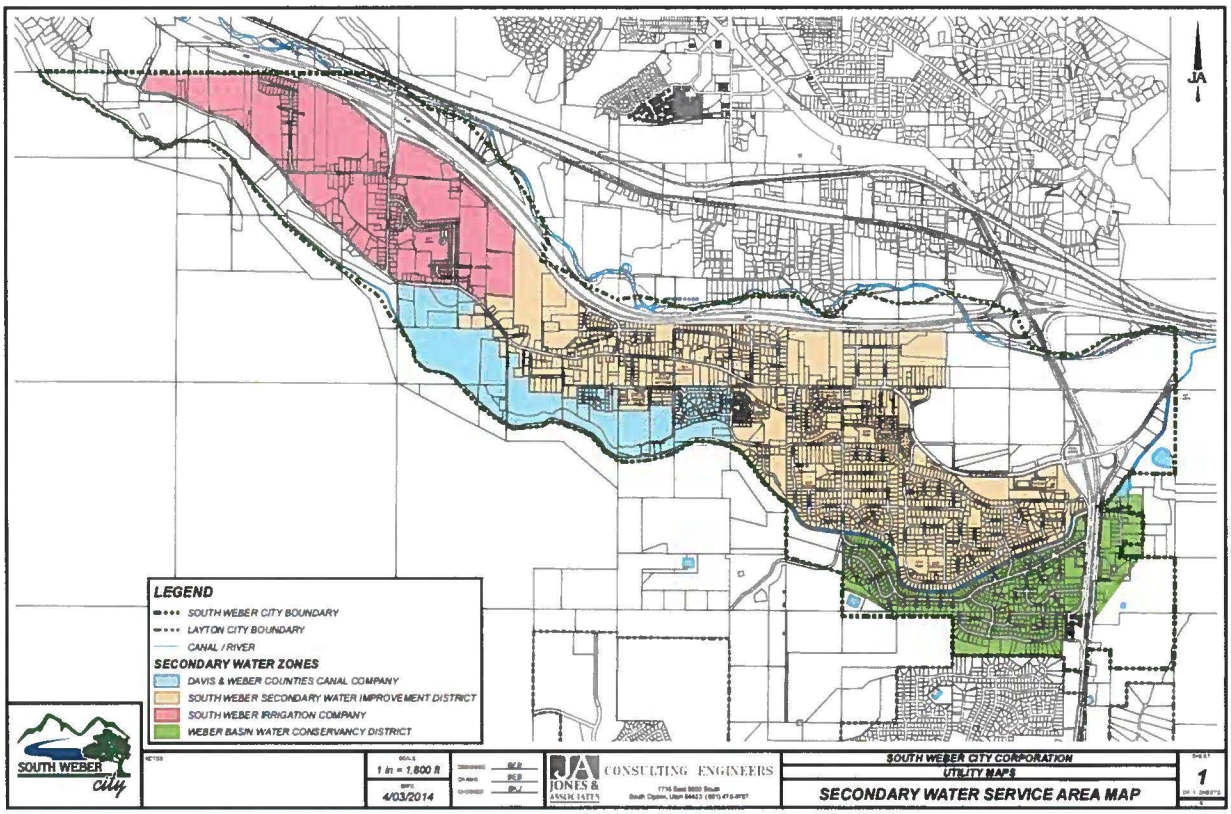
The District has not used Reclamation funding in recent decades; however, the District was awarded a $1,740,000 loan in 1978 for capital improvements through the Small Reclamation Project Act of 1956.

3. Project Location

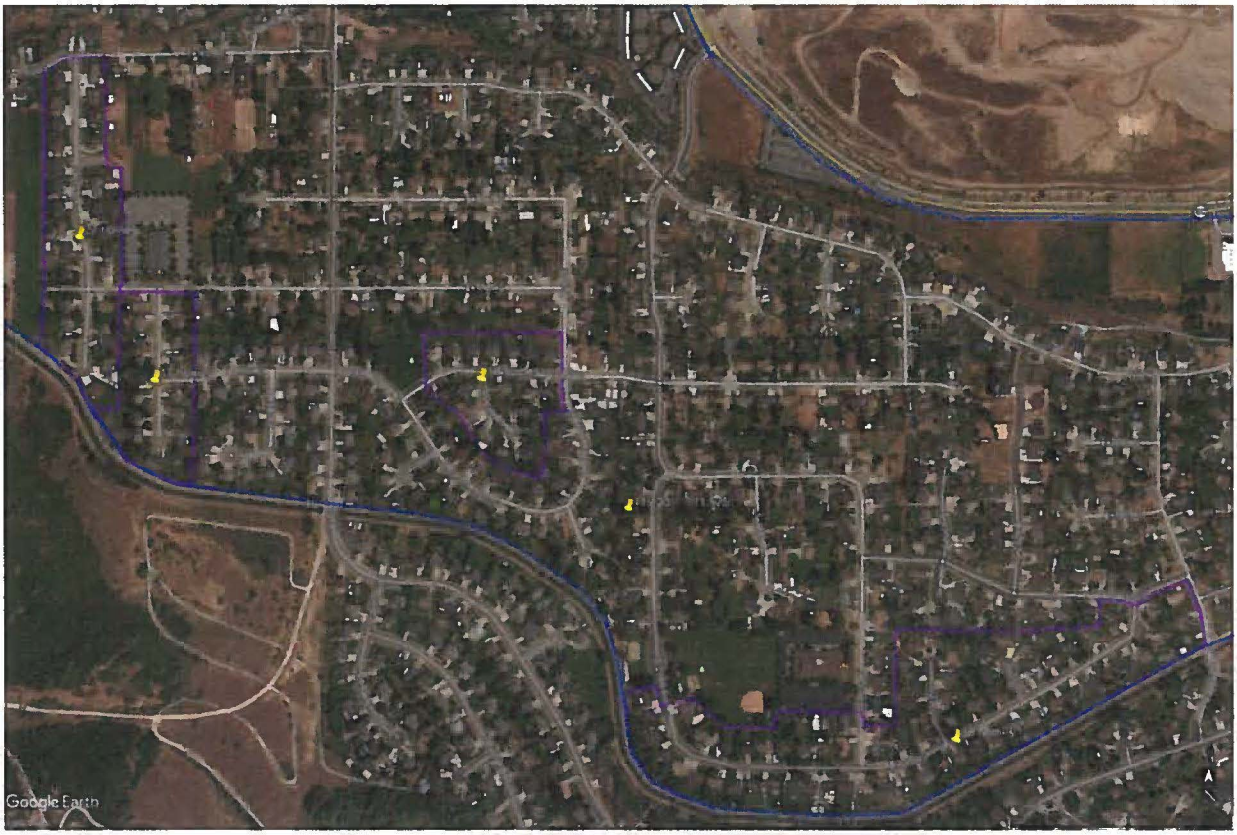
The proposed project will take place within South Weber City located in Davis County, Utah six miles south of Ogden, 26 miles north of Salt Lake City, and 2 miles east of Hill AFB.



The District's service area is indicated in tan on the following map.



The proposed project will install meters at the residential homes within the four areas outlined in purple located at a latitude of 41.123° and longitude of -111.925°. These locations have been selected as a representative selection of homes that have connections in the front yard.



4. Technical Project Description and Milestones

Describe the work in detail, including specific activities that will be accomplished. Include milestones for the completion of the project. Identify non-Federal cost share funding availability.

Overview

The District is proposing to install 100 to 125 Sensus iPERL water meters along with endpoints compatible with an existing regional AMI (Advanced Metering Infrastructure) fixed antenna system. The exact number of installations will be based on a competitive bidding process among qualified and experienced contractors with a fixed project installation budget of $147,500. The installations will be at existing residential connections which are currently unmetered within the locations identified above. The meters will be installed along the existing underground service lines and near existing curb stop valves.

Addressing Problems and Needs

Utah's population is expected to double by 2060, but its water supply will not. Conservation is a vital first step towards meeting future water needs. More than 60% of Utah's drinking water is used on outdoor landscapes. In 2000, Utah established a statewide goal to reduce water use by 25% per person by 2025. Since then, Utahns have reduced their use an average of 18%; however,

we must do more[1]. South Weber Water Improvement District recognizes that water conservation and efficient irrigation system management is an imperative and as a result has established a goal and allocated funding to begin metering all its pressurized irrigation connections that do not serve agricultural users.

In 2017 the District began requiring new residential connections to install secondary water meters. As a result, approximately 117 homes currently have secondary water meters; however, meters have not been installed at any of the existing connections. Without metering, the District's water users often do not pay attention to their landscape water usage and may significantly overwater. In some cases, they use more than their existing water rights and may have undetected leaks in their irrigation systems. Without a measurement system, there is reduced incentive to conserve water and to install water conservation equipment such as smart, internet connected sprinkler controllers. There is also no basis for the District to bill for over usage or to develop a pricing structure that encourages water conservation.

In response to projected future water shortages, the Utah legislature in 2019 passed State Bill 52[2] which requires all pressurized secondary water providers to meter all non-farm water usage for new services installed after April 1, 2020. The District is already in compliance with this requirement. Additionally, SB 52 requires providers to develop and submit a plan for metering existing pressurized irrigation connections and to report progress annually. While metering of existing connections is currently not required, the District, through this project, intends to comply with the intent and begin to install meters at existing customer connections.

The installation of water meters with magnetic technology and low-flow accuracy combined with Advanced Metering Infrastructure (AMI) provides unmatched leak detection, remote monitoring and diagnosis, logs customer accessible data to promote conservation, and provides the ability to monitor and optimize peak system usage. A study based on installation of an AMI water metering system in California found an average of fifteen percent water savings among its residential customers[3]. The District anticipates water savings from metering and conservation outreach to be in the range of eight to twenty percent.

Technical Description

The District proposes to install 1" Sensus iPERL[4] water meters, Sensus AMI endpoints, and associated parts as depicted below. The Sensus iPERL meters have a 20-year life cycle and a 20-year battery life guarantee. They have no moving parts, detect system leaks, have an unobstructed water flow, and collect and log system and customer data. The metering data will be transmitted from the endpoint to the existing Weber Basin AMI network. With regards to the ancillary parts pictured below, the District reserves the right to modify or substitute equivalent products as necessary.

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[1] conservationgardenpark.org
[2] https://le.utah.gov/~2019/bills/static/SB0052.html
[3] East Bay Municipal Utility District. "Advanced Metering Infrastructure Pilot Studies Update." November 25, 2014
[4] https://sensus.com/products/iperl-north-america/

The meters and ancillary parts will be installed at between 100 and 125 existing residential connections typified by the homes pictured below. A competitive bid process will ask qualified contractors to bid the number of connections that they will install for the fixed contract price of $147,500. A qualified contractor has committed to install at least 100 meters for the contract price which is the $150,000 project cost less a $2,500 allowance for environmental and regulatory costs.

The metering assemblies will be installed in suitable boxes installed flush with the existing landscaping. All reasonable efforts will be made to minimize the disturbance to existing

landscaping and to restore the site as best as possible to pre-installation conditions. It is anticipated that the meters will be installed adjacent to the existing curb stop valve typically located in the front yard of each resident.

By installing meters that continuously communicate with a central database, flow data with daily and hourly resolution will be captured. This data will allow the District to understanding peak water usage, inform and encourage conservation by its customers, and enable time-of-use monitoring if required during drought conditions.

Implementation Process

The following project schedule outlines the timing of the major tasks and milestones for the proposed project. Before installation can begin, an Environmental Document will be prepared in collaboration with Reclamation's Provo Area Office. Installation can begin after a Categorical Exclusion is received. A competitive bid will be conducted, and a qualified contractor selected and mobilized to perform the work. The District will provide affected homeowners with information about the project, the function of the meters, the installation process, and the importance of water conservation. The contractor will also be required to keep homeowners informed during the installation process and of the timing of secondary water outages as required during construction.

The District's intention is to begin the installation process as soon possible given the timing of the grant award and the duration of the environmental review to receive a Categorical Exclusion. As indicated in the following schedule, installation is anticipated in the summer of 2020 with final reporting to Reclamation and project close-out in the fall of 2020.

Estimated Project Milestone Schedule

South Weber Water Secondary Water Metering Project - Phase 1																	
	MAJOR TASKS AND MILESTONES	MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV	
1	Award of Small-Scale Water Efficiency Project																		
2	Sign WaterSMART contracts																		
3	Prepare environmental document																		
4	Categorical Exclusion approved by Reclamation																		
5	Request installation bids																		
6	Mobilize contractor/order parts																		
7	Installation of meters																		
8	Final reporting and project close-out																		

As discussed, in Evaluation Criteria C, no permit will be required for implementation of this project. No engineering or design work will be performed specifically in support of this project. The bid documents and specifications will be prepared by qualified District staff. Furthermore, no new policies or administrative actions are required for this project.

Cost-share Funding

The District has budgeted and has available funds in the District's bank account to cover the project's $75,000 non-Federal cost share.

5. Evaluation Criteria

Evaluation Criterion A- Project Benefits

Describe the expected benefits and outcomes of implementing the proposed project.

What are the benefits to the applicant's water supply delivery system? The proposed project will provide several benefits to the District's secondary water system including:

- The metering system will help identify water losses from leaks and promote conservation both of which will reduce stress on the delivery system and increase reliability.
- Automated meter reading with direct customer access to their hourly water usage through an internet portal, will improve customer satisfaction, increase conservation, and reduce staff time.
- Hourly and daily water demand data can identify demand peaks and allow the District to evaluate the adequacy of its infrastructure and identify future infrastructure requirements.
- The hourly water demand data will also allow the District to work with customers to manage and reduce demand peaks in order to increase system reliability and delay or avoid costly capital improvements.

Extent to which the proposed project improves overall water supply reliability: By better understanding the peak hourly and daily demands of existing customers, the District will be better able to monitor and optimize its existing infrastructure and thereby increase reliability. Additionally, the District will be better able to identify potential future constraints and more effectively plan infrastructure improvements to maintain and enhance system reliability.

The expected scope of positive impact from the proposed project: The District's secondary water supply serves approximately 1,325 customers. The proposed project will install a minimum of 100 water meters and is likely to increase water conservation where installed by 8-20%. The project will also build a base of knowledge and experience that will benefit future phases of the metering program. Additionally, water conservation and usage data from the first phase will reduce demand and increase reliability for the entire system.

Extent to which the proposed project will increase collaboration and information sharing among water managers in the region: The District will utilize Weber Basin's Customer Information System Application to collect meter data through the Weber Basin AMI network. As a result, annual use, peak day, and hourly demands data will be available to and contribute to the regional data collection program and be available to enhance decision making by regional water managers. Furthermore, by making water usage data readily available to each resident, they can become better water mangers over their own consumption.

Any anticipated positive impacts/benefits to local sectors and economies: The project will benefit the local economy by increasing the reliability of the water supply and through water conservation. Without water conservation, Utah including the Weber basin could face economic growth inhibiting water shortages by 2040[5].

[5] conservationgardenpark.org

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). The District water usage is primarily residential, and the District does not have a direct connection to NRCS assistance through EQIP or other programs. It will, however, increase irrigation water conservation and complement on-farm conservation programs.

Evaluation Criterion B- Planning Efforts Supporting the Project

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 District's strategic planning efforts identified five factors that led towards the District's decision to implement a secondary water metering program:

- Water Conservation. The District adopted the State of Utah's water conservation goal of 25% by 2025.
- Supply and System Adequacy. Residential development could infill the remaining open parcels within the District potentially increasing water usage and stressing the water supply and distribution infrastructure.
- State Bill 52. While the District has required installation of meters at new connections since 2017, the passage of SB 52 also requires the District to plan for metering existing customers
- Fair and Accurate Billing. The District identified a need to measure secondary water usage so that customers do not exceed their water rights and are being billed fairly.
- Meter Availability. Cost effective magnetic metering technology with no moving parts and a 20-year life cycle and a 20-year batter life are now available and can be read by an existing Weber Basin AMI network.

Based on these factors, the District established a multi-phase metering implementation plan and budgeted requisite funds. The first step, which was accomplished in 2017, was to assess metering technology and to establish a metering policy for all new connections. The proposed project, a phase one installation program covering almost 10% of the system connections, is the second step. Based on lessons learned during phase one installation, the District will budget additional funds, seek additional grants, and pursue a state loan to enable the District to fund additional installation phases.

Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures. Based on the five factors listed above, The District determined that a metering program would increase water conservation, water usage information, user engagement, system reliability, and the time before system upgrades are required. As a result, metering was determined to be the District's top priority.

Evaluation Criterion C- Project Implementation

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

tasks, milestones, and dates: This criteria is addressed in Section 4: Implementation Process which describes the implementation plan and includes a table with major tasks, milestones, and dates.

Describe any permits that will be required, along with the process for obtaining such permits: The proposed work will be located within existing right of way and along existing residential service lines. No permit will be required for implementation of this project.

Identify and describe any engineering or design work performed specifically in support of the proposed project. No engineering or design work will be performed specifically in support of this project. The bid documents and specifications will be prepared by qualified District staff.

Describe any new policies or administrative actions required to implement the project. No new policies or administrative actions are required for this project.

Describe how the environmental compliance estimate was developed. Have the compliance costs been discussed with the local Reclamation office? The District does not anticipate significant environmental and regulatory costs relating to this project. Installation work will only occur on already-developed properties. No impacts to historic water conveyance structures, soils, air quality, animal habitat, or endangered species are expected. Peter Crookston at the Provo, UT Reclamation office was contacted by telephone and confirmed that almost all residential meter installation projects are able to receive a Categorical Exclusion.

Evaluation Criterion D- Nexus to Reclamation

How is the proposed project connected to a Reclamation project or activity? The proposed project will be performed within the Weber Basin Project, which is a Reclamation project. It will therefore benefit the District and Reclamation through better management of water resources and reduce overall demand which is increasing with a growing population throughout the entire Reclamation project.

Does the applicant receive Reclamation project water? Yes, approximately 100% of water delivered by the District is Weber Basin Project water. Weber Basin is the central entity for Reclamation Project water for the entire region.

Is the project on Reclamation project lands or involving Reclamation facilities? The distribution system and residential service lines where the meters will be located are owned and operated by the District; however, they are interconnected with the Weber Basin Project water delivery system which is a Reclamation facility.

Is the project in the same basin as a Reclamation project or activity? Yes, the proposed project is in the same basin as the Weber Basin Project.

Will the proposed work contribute water to a basin where a Reclamation project is located? Yes, the proposed project will better manage water resources within the Weber Basin Project by providing better water use data and increase water conservation which will essentially contribute additional water to the basin.

Will the project benefit any tribe(s)? N/A

Evaluation Criterion E- Department of Interior and Reclamation Priorities

The following Department of Interior priorities are addressed by this project:

1. *Creating a conservation stewardship legacy second only to Teddy Roosevelt.* The proposed project will utilize the latest Automatic Metering Infrastructure technology to collect detailed meter data allowing for increased conservation and better water management. This project will expand the capacity of existing Department of Interior infrastructure as better metering information will help reduce peak demands and promote conservation.
2. *Utilizing our Natural Resources.* The proposed project will conserve water and enable it to be delivered more efficiently as it will reduce peak demands on infrastructure.
3. *Restoring Trust with Local Communities.* The proposed project will provide detailed usage information to District customers. Better water usage data availability will reduce the potential for conflict and increase trust between residents, the District, environmental interests, and regulatory agencies.
4. *Modernizing our infrastructure.* The proposed project will modernize the District's existing infrastructure with the latest metering technology.

The following Bureau of Reclamation priorities are addressed by this project:

1. *Increase Water Supplies, Storage, and Reliability under WIIN and other Authorities.* Water conservation and detailed usage information gathered from the proposed project will increase reliability by reducing stress on the system, improving maintenance and operations, and more effectively planning systems upgrades.
2. *Leverage Science and Technology to Improve Water Supply Reliability to Communities.* The proposed project will utilize the latest Automatic Metering Infrastructure technology to collect detailed water usage data allowing for increased conservation and better water management which will improve the community's water supply reliability.
3. *Address Ongoing Drought.* The proposed project will enable leaks to be identified and fixed and encourage water conservation. Furthermore, the advanced meters will allow the District to monitor and enforce watering restrictions if required during drought conditions.

6. Project Budget

Funding Plan and Letters of Commitment

1. *Please identify the sources of the non-Federal cost share contribution for the project.* The District has budgeted and will fund all non-Federal contributions entirely from South Weber Water Improvement District operating revenues and reserves. There are no other sources of funding supporting this project.

2. *Please identify whether the budget proposal includes any project costs that have been or may be incurred prior to award.* The budget does not include any pre-award costs.

Budget Proposal

Table 1. - Total Project Cost Table

SOURCE	AMOUNT	% of Costs
Costs to be reimbursed with the requested Federal funding	$75,000.00	50.0%
Costs to be paid by the applicant	$75,000.00	50.0%
Value of third-party contributions	$0.00	0.0%
TOTAL PROJECT COST	**$150,000.00**	**100.0%**

Table 2. - Budget Proposal

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST
	$/Unit	Quantity		
Salaries and Wages	$0.00	-	-	$0.00
Fringe Benefits	$0.00	-	-	$0.00
Travel	$0.00	-	-	$0.00
Equipment	$0.00	-	-	$0.00
Supplies and Materials	$0.00	-	-	$0.00
Contractual/Construction				
Meter Installation Contract	TBD by Bid	Min. 100	Lump Sum	$147,500.00
Other				
Environmental Compliance	$2,500.00	1	-	$2,500.00
TOTAL DIRECT COSTS				**$150,000.00**
Indirect Costs				
N/A				$0.00
TOTAL ESTIMATED PROJECT COSTS				**$150,000.00**

Bidders will be asked to propose the number of meters they will install for the fixed contract price. As a result, the unit cost will vary as depicted below.

Meter Installation Contract	COMPUTATION		Quantity Type	TOTAL COST
	$/Unit	Quantity		
Sample unit price per bid qty	$1,475.00	100	EA	$147,500.00
Sample unit price per bid qty	$1,460.40	101	EA	$147,500.00
Sample unit price per bid qty	$1,404.76	105	EA	$147,500.00
Sample unit price per bid qty	$1,340.91	110	EA	$147,500.00
Sample unit price per bid qty	$1,282.61	115	EA	$147,500.00
Sample unit price per bid qty	$1,229.17	120	EA	$147,500.00
Sample unit price per bid qty	$1,180.00	125	EA	$147,500.00

Budget Narrative

Salaries & Wages

No District Salaries or Wages will be included. Full time District staff will manage the proposed project as part of their job requirements. These costs and any associated overhead will be covered as part of the District's operating expenses and not charged to the project.

Fringe Benefits

No fringe benefits will be required.

Travel

No travel will be required.

Equipment

Installation equipment will be supplied by the selected contractor and is included as a cost in the Contractual /Construction portion of the project.

Materials and Supplies

Materials and Supplies is included as a cost in the Contractual /Construction portion of the project and will be procured by the contractor.

Contractual

The District has a bid from a qualified, licensed, and insured contractor who has installed hundreds of Sensus iPERL water meters at existing residential connections. The bid agrees for the contract price of $147,500 to furnish all necessary labor, parts and equipment to meet project specifications and equipment for installation of 100 Sensus iPERL meters and all requisite accessories and provide a one-year guarantee on installation services.

Upon notification of a grant award, the District will seek bids from qualified, licensed, and insured contractors with experience installing Sensus or similar meters at existing residential connections. The bidders will be requested to bid the number of meters that they will install in accordance with the project specifications for the fixed lump sum price of $147,500. The competitive procurement method used will be compliant with 2 CFR §200.320. It is anticipated that the winning bidder will supply and install between 100 and 125 meters.

Third-Party In-Kind Contributions

N/A.

Environmental and Regulatory Compliance Costs

As the meters will be installed primarily in residential lawns adjacent to existing District supply lines and valves, environmental and regulatory impact and compliance costs will be minimal. The compliance budget is estimated at $2,500 which is 1.67% of project costs.

Reporting

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

Other Expenses

No other expenses will be part of the project.

Indirect Costs

No indirect costs will be part of the project.

7. Environmental and Cultural Resources Compliance

1. *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 project will not impact the surrounding environment. Excavation work is typically less than 18" deep and limited to less than six square feet per installation. The work will be performed in a manner that minimizes impact to the existing landscaping and the surrounding environment. As almost all excavations are within watered landscaping, dust impact will be minimal. No animal habitats will be negatively impacted.

2. *Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?* No endangered species are impacted by this project.

3. *Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "waters of the United States?" If so, please describe and estimate any impacts the project may have.* No wetlands are impacted by this project.

4. *When was the water delivery system constructed?* The District was organized in 1970. Major irrigation water improvements were undertaking in 1979 with a Reclamation loan. Various improvements and upgrades have been made to the system over the decades in order to develop a pressurized irrigation system that meets the growing population's water needs

5. *Will the project result in any modification of or effects to, individual features of an irrigation system (e.g., head gates, canals, or flumes)? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.* The project will not significantly modify or effect the irrigation system components. The proposed work will only add meters where individual residences connect to the distribution system.

6. *Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.* No. The District is not aware of any buildings, structures or features in the irrigation district that are listed or eligible for listing on the National Register of Historic Places. None of the residences where meters will be installed are listed or eligible for listing on the National Register of Historic Places.

7. *Are there any known archeological sites in the proposed project area?* No.

8. *Will the project have a disproportionately high and adverse effect on low income or minority populations?* No.

9. *Will the project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?* No.

10. *Will the project contribute to the introduction, continued existence, or spread of noxious weeds or non- native invasive species known to occur in the area?* No.

8. Required Permits and Approvals

The proposed work will be located within existing right of way and along existing residential service lines. No permit will be required for implementation of this project. As noted previously, the Environmental Document will be completed in cooperation with Reclamation's Provo Area Office.

9. Official Resolution

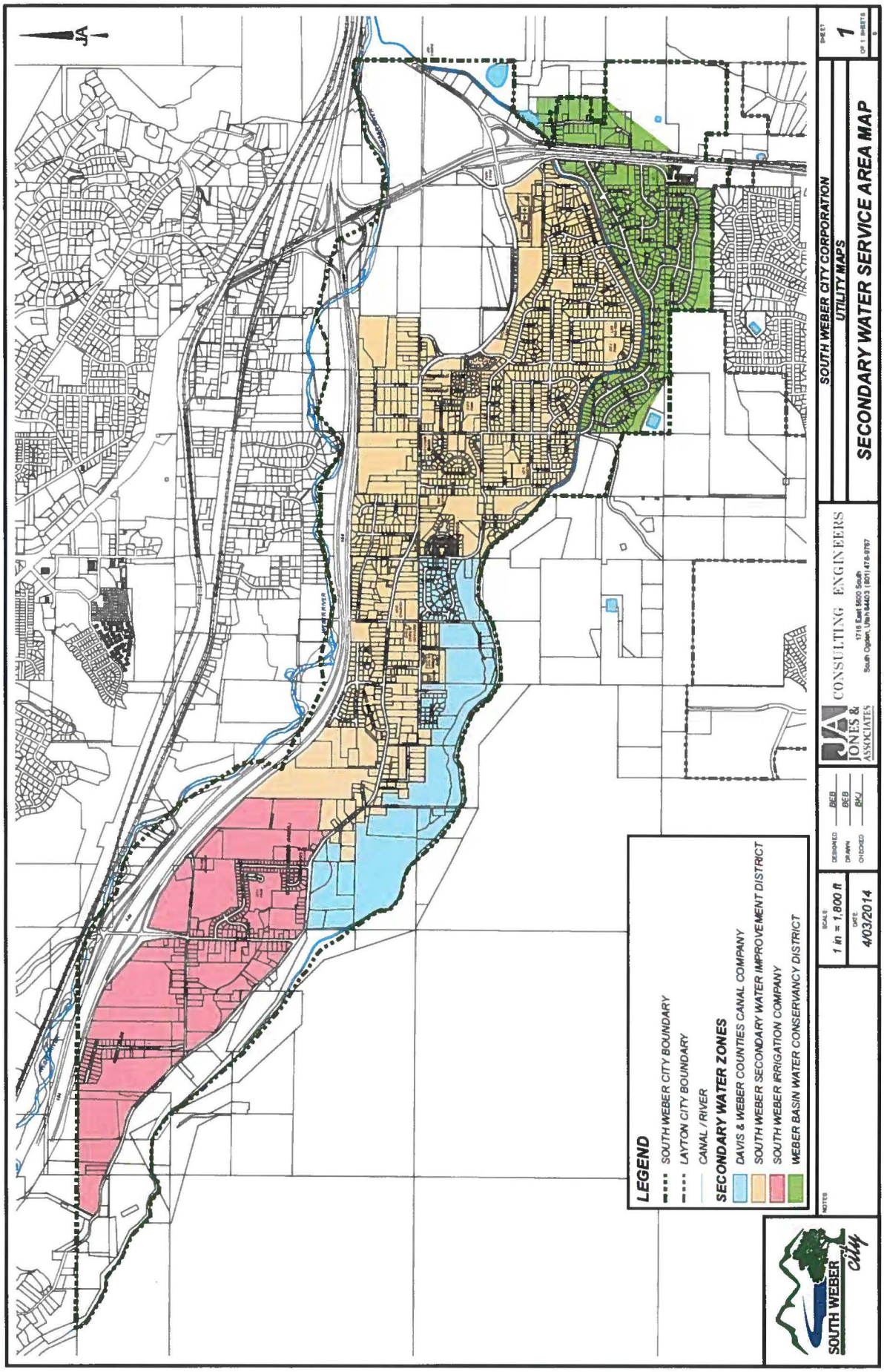
An official resolution meeting the FOA requirements will be adopted during the District's March 11, 2020 Board of Directors meeting and will be submitted within 30 days after the application deadline

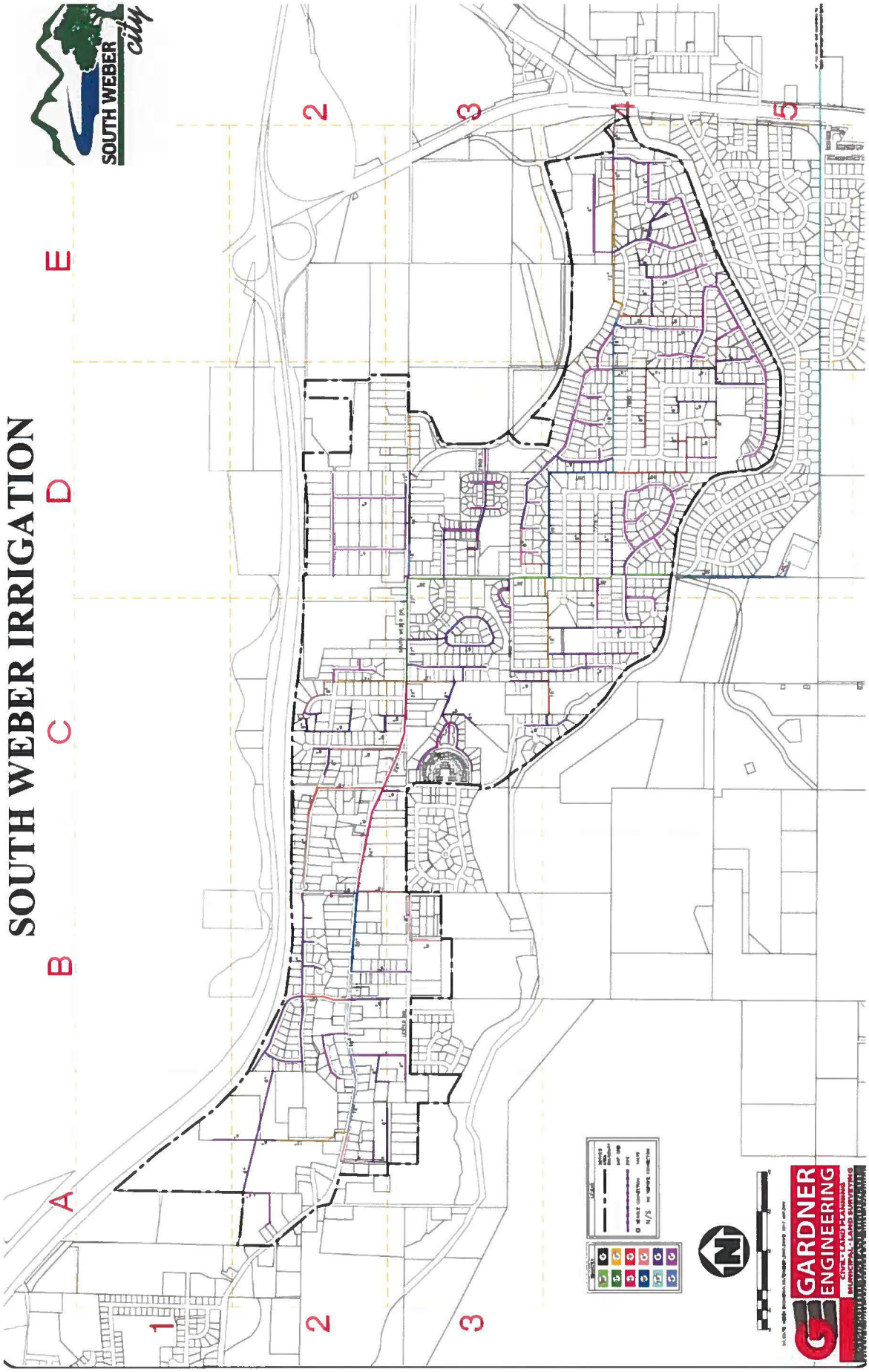
10. Unique Entity Identifier and System for Award Management

The District's Unique Entity Identifier (i.e. DUNS) is 117441752. The District has registered with SAM and is currently undergoing the verification process. The District will secure and maintain an active SAM registration with current information within 30 days

11. Attachments

Attachment A. Map of the District's Service Area (Tan Color)




SOUTH WEBER IRRIGATION
SOUTH WEBER city
A
B
C
D
E
1
2
3
4
5
GARDNER ENGINEERING

Attachment C. Official Resolution

A resolution meeting the specified requirements will be provided after South Weber Water's March 11, 2020 Board of Directors meeting.