



WEBER  
BASIN  
WATER  
CONSERVANCY  
DISTRICT

WaterSMART Grants:  
Small-Scale Water Efficiency  
Projects FY 2021

# WBWCD SECONDARY WATER SYSTEM METERING PROJECT – LARGE HOA METERS



APPLICANT:

Weber Basin Water Conservancy District  
2837 East Highway 193  
Layton, UT 84040-8406

PROJECT MANAGER:

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### **Attachments:**

Attachment A – Official Resolution

# WBWCD POTABLE WATER SYSTEM METERING PROJECT

## Small-Scale Water Efficiency Projects FY 2018

### 1. Executive Summary

#### Applicant Info

**Date:** March 18, 2021

**Applicant Name:** Weber Basin Water Conservancy District

**City, County, State:** Layton, Davis, Utah

**Applicant:** Category A

**Project Manager:**

*Name:* Shane McFarland, Weber Basin Water Conservancy District

*Address:* 2837 E. Highway 193, Layton, Utah 84040

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**Project Funding Request:** Small Scale Water Efficiency Projects- Total Cost \$96,350

#### 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*

Weber Basin Water Conservancy District (WBWCD or District) proposes to complete a phase of an ongoing effort to meter existing secondary water connections throughout the entirety of the WBWCD service area. The proposed project includes installation of 25 irrigation flow meters, which represents a portion of the large users within the service area, namely HOA connections located in and around Ogden, Utah. The project will help the District better manage water supplies, promote conservation among its retail customers and automate its meters. This project helps WBWCD move one more step toward accomplishing certain goals and priorities set forth in their System Optimization Review (SOR) completed in 2008, Drought Contingency Plan (2018), Water Conservation and Management Plan (2021) and Supply and Demand Study (2017).

#### Schedule

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

An environmental document will be prepared as part of the project, and it is anticipated that a Categorical Exclusion will be approved since the project will take place within previously disturbed areas and within existing road alignments.

This project construction will begin in November of 2022 and will continue through March of 2024. The ideal time for installing secondary meters is during the off-season, when the irrigation system is shut down for the winter months. Off season for irrigation typically occurs between

October 15 to April 15. All components of the project will be completed within the two-year allowance.

## Federal Facility

*Whether or not the project is located on a Federal Facility*

In 1949, the United States Congress authorized the Weber Basin Project (Project), which was a U.S. Bureau of Reclamation (Reclamation) project aimed at developing and effectively utilizing the available water resources within the Weber River Basin Drainage. The Weber Basin Water Conservancy District was subsequently created in June of 1950 by a decree of the Second District Court of Utah and under the guidelines of the Utah Water Conservancy Act. The District is the operating agency for the Weber Basin Project and is responsible for the sale and delivery of project water, operation and maintenance of project facilities and is contracted with the U.S. Government for repayment of reimbursable costs of the Project.

## 2. Background Data

### Project Location

WBWCD is one of Utah's largest secondary water retailers and provides wholesale water to many retail water agencies across the Wasatch Front. The WBWCD secondary service areas include Centerville, Farmington, North Layton and South Layton, Uintah Bench (which includes parts of South Ogden, Ogden, and Washington Terrace), West Bountiful, West Haven, Woods Cross and North Salt Lake.

Water resources in the area were extensively developed before initiation of the Weber Basin Project. Numerous private developments antedate the Federal projects. Prior federal Reclamation developments include the Weber River Project on the main stem of the Weber River and the Ogden River Project on the Ogden River. Also, as part of the Weber River and Ogden River Projects, water is diverted from the high reaches of the Weber River for multiple uses on the Provo River. The Weber Basin Project supplements all of the previous undertakings, and its operation is correlated with users in approaching the full practicable development of the area's water resources. Water is delivered from the Weber River to the District via two aqueducts.

The Weber Aqueduct conveys irrigation water to lands on the Uintah Bench, and municipal and industrial water to Ogden and adjacent communities in Weber County. Part of the irrigation water is pumped to parcels above the aqueduct, and the remainder is delivered by a gravity pressure distribution system. At the terminal of the aqueduct, water is delivered to the District's Weber South Water Treatment Plant (WTP) from which it is treated then distributed to Ogden City and surrounding communities (an approximate population of 240,000 people).

The Davis Aqueduct extends to the south from the Weber Canyon along the foot of the Wasatch Mountains to North Salt Lake City. Part of the water is pumped for irrigation of lands above the aqueduct; the remainder of the water is sold by the District to irrigation companies, Improvement Districts, Sub-conservancy Districts and individual landowners. The remaining water is

processed through the District's Davis North Water Treatment Plant for distribution to communities in North Davis County and through the Davis South Water Treatment Plant for communities in the south end of Davis County – combined communities of approximately 300,000. A large block of treated and untreated industrial water is also delivered to the several oil refineries in the extreme south end of Davis County.

In addition to surface water distribution, twenty-one deep wells relieve water shortages in dry periods and to meet peak water demands. Streams flowing from the face of the Wasatch Mountains toward the Great Salt Lake contribute small quantities of water for project use. The Ogden Valley Canal distributes Ogden River water to mountain valley lands near Huntsville and Eden.

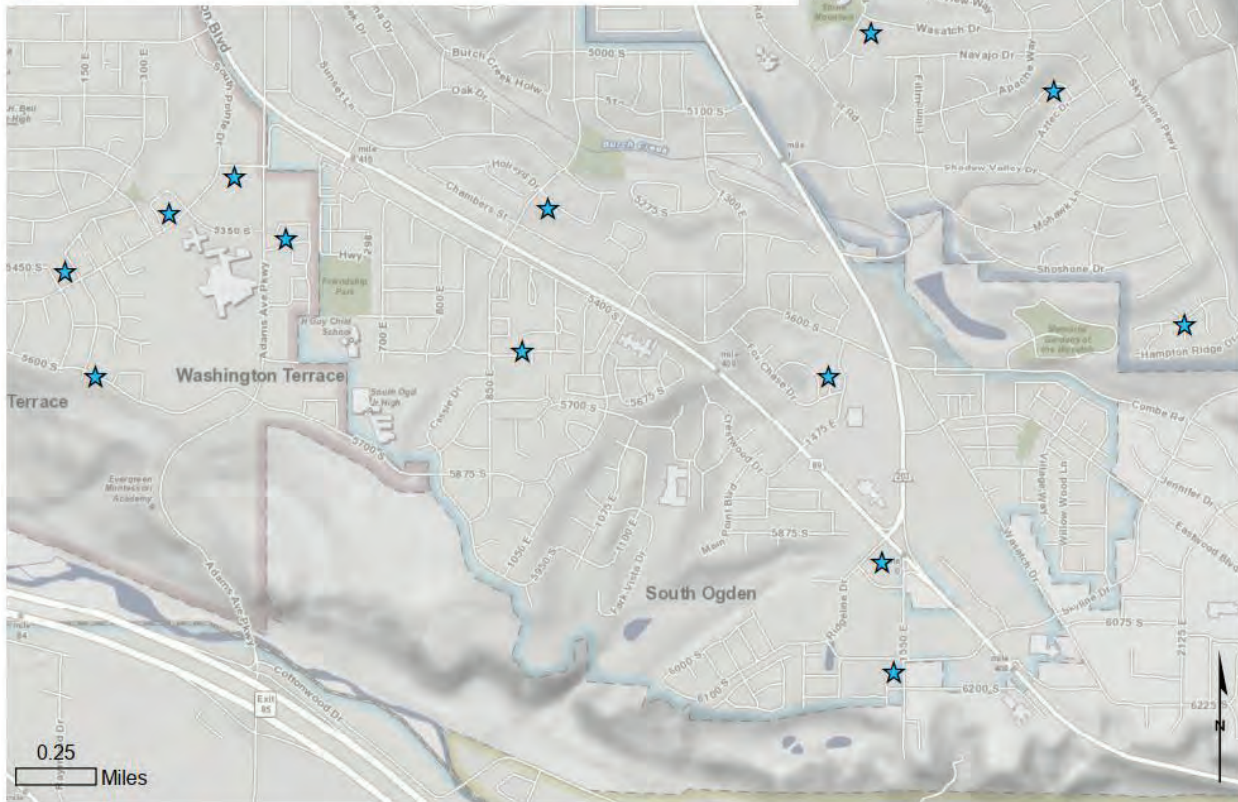
Within the District's service area, there may exist the largest number of retail secondary water connections in the United States. The District has approximately 22,000 individual connections that are operated and maintained by the District, with many other irrigation companies having tens of thousands of residential connections in their own retail areas throughout Davis and Weber Counties. These secondary connections are a great asset to the residents they serve, however, there is little incentive to conserve because secondary water has been primarily unmetered, resulting in users not having known how much water they actually use. This is why the metering of these connections is so cost effective and beneficial in the reduction of overall per capita use and the extension of existing water supplies.

In 2008, WBWCD began installing water meters on secondary connections primarily to inform homeowners on how much water they use for outdoor irrigation, and to educate them about how much is actually needed for their landscape. This effort is intended to eliminate waste and to have water users reduce water use to what is needed. In 2008, WBWCD built their Learning Garden, and since then, has actively been demonstrating to and educating water users on how beautiful low water landscapes can be. The two-acre Garden has over a thousand plant varieties and has averaged nearly 10,000 visitors every year.

For the purposes of this project, WBWCD is focusing on installing secondary meters for large users, such as Homeowner's Associations. These larger meters range in size from 1-inch to 8-inches. The locations of the proposed meters are detailed in the map below. The project is proposing to install nine 1-inch meters, nine 2-inch meters, two 4-inch meters, four 6-inch meters, and one 8-inch meter enabling the metering of water usage on 14 unique parcels.

Project Name: (WBWCD Secondary Water System Metering Project - Large HOA Meters)  
Weber County, Utah  
1 mile S of Ogden  
41.161, -111.95

★ proposed meter site



### 3. Technical Project Description

WBWCD proposes to complete another phase of its effort to meter all secondary water users within their service boundary which consists of approximately 22,000 connections. The proposed project includes installation of 25 secondary meters. The meters to be installed will measure the flow of secondary water from WBWCD's distribution system to retail water customers. The project will help the District better manage water supplies and promote conservation among its wholesale customers. This project helps WBWCD accomplish outlined goals in the WBWCD Conservation Plan, System Optimization Review, Drought Contingency Plan and the Water Conservation and Management Plan.

Some of the proposed meters may be located within existing vaults on the properties, while others may require the installation of an enclosure. These vaults or enclosures can be located in residential backyards which can make accessing them difficult. The amount of work to install a secondary meter will be unique for each site. The easier sites will only require installing a meter, radio, and appurtenances to properly measure the flow of water going onto the parcel. More complex sites will require removal of landscaping and installation of new piping, radios, and meters.

After installation of meters and radios flow data will be collected hourly and made available to users in near real time. This data will be very helpful for the District in understanding peak day water use and encouraging conservation with its customers. WBWCD has developed an online portal that serves as a tool for the end users to be able to track and be accountable for their own water use. The intent of the portal is to provide the end users with enough data to allow for them to be better water managers. The portal shows each end users water use to date and parcel allocation. The water use to date can be seen in hourly, daily, monthly, and yearly increments of use, in addition the end user can do monthly comparisons year to year. Also, in the portal, the end user can set up notifications for the end user to receive alerting them if there is a leak (if water flows through a meter for more than a user specified period of time amount of hours) or notify if volume thresholds have been exceeded.

## 4. 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 many benefits to WBWCD's secondary system. These include providing hourly data that is highly instrumental in assisting WBWCD implement conservation programs, providing educational opportunities to the end users, and allowing WBWCD better manage the water resources within their service area.

An example of the benefits of metering the large parcels, namely HOAs, came from a case study with metering Aurora Hills. Once a meter was installed for this HOA, WBWCD was able to identify high water usage. Gathering the water use data allowed for the opportunity to enter into a discussion with them about the water use. It also presented a way to educate them on how much water their property actually needed and was contracted for. Metering Aurora Hills allowed for improved collaboration between WBWCD and Aurora Hills.

***Extent to which the proposed project improves overall water supply reliability:*** As demands due to new growth and development have increased in areas served by the Weber Aqueduct, peak flows have reached maximum capacity. As the areas served by the Weber Aqueduct continue to grow rapidly, WBWCD expects additional demand for both secondary and potable water in the south Weber County area. Currently the capacity of the Weber Aqueduct is a limiting factor in providing water during peak summer demands. Another concern for the south Weber County area water supply is the declining groundwater levels. This will likely limit significant future groundwater development in the area and may result in pumping reductions to existing water wells.

Drought and overwatering are other issues impacting water reliability in the proposed project service area. Drought has affected many areas in the state of Utah and has significantly impacted the availability of water during each irrigation season. Regardless of drought and other water reliability/water quality issues that may occur within the delivery system, water users are over

watering, and are not being conscientious of their water use habits that could be better managed to prepare for the drought years.

The project will directly address a heightened competition for finite water supplies and over-allocation by conserving water that will be banked and used for future growth needs, to supply new connections and future demand needs within WBWCD's service area.

WBWBCD plans to address the water reliability concerns outlined above by installing secondary water meters and implementing water awareness education. The proposed secondary metering project will increase the water supply reliability in two ways:

1. Decreased secondary water use in the Ogden area will result in less water needing to be conveyed through the Weber Aqueduct, which will result in additional peak raw water capacity being available at the Weber South Water Treatment Plant for treatment for potable water purposes.
2. Decreased secondary water use in the Ogden area will allow WBWCD to decrease pumping of secondary water wells in the area during off-peak times. This will have a positive impact on groundwater levels, which are a significant issue in the area.

Water conserved through this project will be banked and used for future growth needs and to supply new connections and future demand needs within WBWCD's service area. Water not required for the project area will remain in the system as stored water or in-stream flows. It is also possible that saved water could go to meet the needs of other areas in WBWCD.

***The expected geographic scope benefits from the proposed project:*** WBWCD's secondary retail water system spans Davis County and Weber County and provides wholesale water to over 50 entities. The proposed project will have a positive impact on water supplies for this entire area that currently has a population of nearly 600,000 people.

***Extent to which the proposed project will increase collaboration and information sharing among water managers in the region:*** This project will allow for the sharing of water use data including annual use, peak day demands etc. with entities across the state of Utah and the region.

The proposed project will provide another opportunity to continue to collaborate with Ogden City to promote conservation and to develop a more reliable water supply. The Utah Division of Water Resources (DWRe) recognizes the importance of water conservation and the water saved through this improvement project. They have always supported projects such as this through matching loans and planning grants to water districts, municipalities, and irrigators. WBWCD continues to be a valuable partner promoting wise water use in our state and community, as well as being partners in the Governor's Water Conservation Team and the Slow the Flow campaign.

Currently, WBWCD delivers water to many cities, sub-conservancy districts and private irrigation companies. WBWCD has the highest percentage of secondary water use in Utah. This is the primary reason that emphasis has been made, and the accountability for this water at the user level is such a priority. This project will allow WBWCD to work with other entities and lead in improving the efficiency of the secondary water systems within WBWCD service boundaries.



This project will also increase water use awareness among residential water users in a way that could not be achieved in any other way. WBWCD believes that this project, along with other conservation goals and activities will help prevent a water-related crisis or conflict. It will provide available more water for future needs and growth which is projected to double along the Wasatch Front by 2060. The project will also allow for discussions to be had amongst land planners and end users related to sustainable practices that can be implemented supported by data. The future customers in WBWCD's service area can be more aware of their water use, and it will be easier to help them reduce if they fall into a category of excessive use.

***Any anticipated positive impacts/benefits to local sectors and economies:*** A benefit that this project will provide for the local economy will be in increasing the reliability of the local water supply. WBWCD serves a geographic area over 2,500 square miles that includes District-administered water contracts from municipal and industrial (M&I) and to agriculture. Municipal use includes lawns and gardens, and agriculture use include irrigation of row crops and pastures. WBWCD supplies residential customers with irrigation water in Davis and Weber counties via 484 miles of pipelines and delivers irrigation water to many irrigators and farmers in Box Elder, Davis, Morgan, Summit, and Weber Counties. Considering its large service area, WBWCD supplies irrigation water to multiple environmental and recreation sectors, such as city parks, gardens and other recreational and educational centers, and several wildlife refuges surrounding the Great Salt Lake. All sectors receiving metered connections will be able to use collected meter data to better understand how they can reduce water usage, groundwater pumping, and contribute to greater water supply reliability.

***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).*** WBWCD is a large agricultural irrigation water provider and there is potential for future collaboration with NRCS for efficiency projects on the District's dams, canals, piping infrastructure that serve the agricultural community. WBWCD is currently working with the NRCS through their PL-566 program to complete two watershed plans with goals of improving water deliveries in the upper reaches of our watershed. This project complements the District's work in ensuring efficient water deliveries.

## 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?*** WBWCD has a Water Conservation Plan that has been implemented, updated, and submitted in 2018 to the Utah Division of Water Resources as well as the Bureau of Reclamation (Provo Area office). WBWCD has also completed a system Optimization Review (SOR) for an overall planning and projecting future water needs and demands. In addition, WBWCD recently completed a Drought Contingency Plan funded by Reclamation. This plan allows them to develop better understanding of the impact of drought and strategies to plan for sustainable water demands and water supplies as they continue to change. Within the Drought

Contingency Plan, water conservation is an important action in mitigating the effects of future droughts. With conservation being the key, secondary metering permits WBWCD to enforce water restrictions during times of drought. The Water Conservation and Management Plan also emphasizes the necessity of metering secondary connections for efficient and effective conservation to take place.

***Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.*** WBWCD System Optimization Review has identified canal lining and metering projects as the top two priorities. This application addresses metering projects. WBWCD has also developed a water conservation plan that has retail secondary metering as one of the priority items listed. Metering fits into conservation as well as water management plans that will assist WBWCD in accounting for current water use while planning how to meet the needs of future demands. With the development of the Drought Contingency Plan, WBWCD will be able to continue their goals of the SOR and water conservation plan. In the most recent study, the Water Conservation and Management Plan, indicates that secondary metering is vital in efficiently and effectively conserving water. The Drought Contingency Plan also lists secondary metering in the top two mitigation measures to help alleviate the effects of drought.

Evaluation Criterion C- Project Implementation

***Describe the implementation plan for the proposed project. Please include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates:*** The schedule provided below outlines timing of the major tasks and milestones for the proposed project. Before any work can begin on the project, an Environmental Document will be prepared in collaboration with Reclamation’s Provo Area Office. Once this is complete, construction can begin. It is anticipated that the meters will be installed during the non-summer months October 2022 – April 2023 when irrigation flows are shut off for end users, and resume the following off-season, October 2023 to April 2024.

SCHEDULE	Sept –Dec 2021	Jan – March 2022	Oct -Dec 2022	Jan - April 2023	Oct - Dec 2023	Jan – March 2023	April – May 2023	June – Sept 2023
Milestone/Task								
Sign WaterSMART contracts								
Environmental Document prepared and approved by Reclamation								
Metering Project Installation Year 1								

Metering Project Installation Year 2			
Final reporting and project close-out			

**Describe any permits that will be required, along with the process for obtaining such permits:** Ogden City will be involved and notified of all metering project implications and timelines. Any concerns they have will also be addressed prior to the project construction. WBWCD will work with property owners to minimize installation impacts and provide an improved service connection.

**Identify and describe any engineering or design work performed specifically in support of the proposed project.** WBWCD has completed multiple meter installation projects. Through this effort standard drawings and specifications have been developed by staff to facilitate this effort. In the event any additional details are needed District staff will be used to complete said work.

**Describe any new policies or administrative actions required to implement the project.** No new policies will be required to implement this project. WBWCD has been implementing the installation of secondary water meters since 2008 and has had very successful educational and public information process from the very beginning. Policies and administrative action were first implemented in 2008 when the first secondary meters were installed.

**Describe how the environmental compliance estimate was developed.** Environmental costs are based on the past metering projects that WBWCD completed with Reclamation. They feel confident in the percentage of cost that has been added to the proposed cost estimate to complete the environmental review.

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 that is increasing with a growing population throughout the entire Reclamation project.

**Will the project help Reclamation meet trust responsibilities to any tribe(s)?** The proposed project will not benefit any tribes.

**Does the applicant receive Reclamation project water?** Yes, approximately 80% of water sold by WBWCD is original 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 metering of the proposed project will not take place on Reclamation project lands but will have an effect on Reclamation facilities due to the decrease in water needed over the long term. Reduced usage

equates to an increase in storage, an increase in water marketing, a decrease in pumping, and a reduced cost when upsizing and improving existing infrastructure to carry additional water to meet future demands.

***Is the project in the same basin as a Reclamation project or activity?*** Yes, the proposed project is in the Weber Basin service area which is 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 serve to support Reclamation objectives and will augment water supplies in the Weber Basin area, thus reducing future conflicts for water to this area. Water saved in this project will be used for future demands in the Weber Basin service area, which is part of a Reclamation project.

#### Evaluation Criterion E- Department of Interior Priorities

Following are DOI priorities that are addressed as part of this project:

- 1. Creating a conservation stewardship legacy second only to Teddy Roosevelt*** – On the topic of conversation, Teddy Roosevelt wisely instructed, “Conservation means development as much as it does protection. I recognize the right and duty of this generation to develop and use natural resources of our land; but I do not recognize the right to waste them, or to rob, by wasteful use, the generations that come after us.” WBWCD agrees with Teddy Roosevelt that America’s precious water resources must be available and reliable for current and future generations. WBWCD operates the Weber Basin Project which belongs to the Federal Government. Ultimately, this project will expand the capacity of the existing infrastructure by reducing demand on the system. WBWCD will take a major step towards ensuring water availability and reliability for current and future generations by not only metering its secondary water distribution, but by educating its users to keep them from overwatering. WBWCD directly plays an active role in helping water users to understand how beautiful water-wise landscapes can be, by means of their Learning Garden that was built on site in 2008 and ongoing workshops demonstrating this beauty. The Learning Garden is open year-round to the public and is free to visit. Landscaping classes also take place throughout the year and are free to the public.

Attention to water conservation is most prevalent in the western United States, and especially in Utah – the second driest state in the nation. Because of our semi-arid climate and drought, water conservation in Utah is something that is taken seriously by water distributors and users throughout the state. WBWCD utilizes research and science to identify best practices to manage land and water resources and adapt changes to the environment, such as the proposed secondary water meters that will actively be used to reduce the disastrous effects of drought. In addition, WBWCD has prepared a Drought Contingency Plan that will help them better understand their response to drought and how to work with all its wholesale customers and end users. The proposed project is an opportunity for WBWCD and its water users to work together to create goals and sound

water use habits. Working towards these goals and implementing better water use habits will protect Utah's water resources and ensure that these resources are made available to sustain current and future water users within the WBWCD service area.

2. ***Utilizing our Natural Resources-*** The proposed project will contribute to ensuring American Energy is available to meet our security and economic needs by reducing the need for power by saving water, which will result in decreased energy used for pumping wells.
3. ***Restoring Trust with Local Communities-*** As WBWCD works with the local cities located within their service areas to address two major issues (water supply reliability and groundwater conditions in the area), they work to build trust with local cities and the water users within city jurisdiction. Building trust through education, conservation, and accountability, WBWCD will help its water users better manage their water use habits. One way WBWCD helps its water users make conservation easier is by providing rebates for various products that help save water, such as smart irrigation controllers.
4. ***Striking a Regulatory Balance-*** The proposed project will better manage the water resources within the Weber Basin Project and will thus reduce the burden on the public and administration by providing a better water use data to WBWCD as well as its retail end users.
5. ***Modernizing our infrastructure-*** The installation of secondary water meters supports the White House/Private Partnership Initiative to modernize U.S. infrastructure. According to a study from 2009 calling "Metering Secondary Water in Residential Irrigation Systems," done by Utah State University, "...standard residential water meters do not normally function in debris-filled secondary water. The metering mechanism can clog or be degraded by suspended debris of both organic and inorganic nature in water. By way of innovative meter designs [as is proposed in WBWCD's project] ... secondary water systems have had success in metering secondary water." Modern meter designs on secondary water systems have proven successful in making many water users more aware of how much water they are using. The study mentions that because secondary water supply is commonly charged at a fixed rate, many water users assume that they have the right to an unlimited supply of water. WBWCD is working to educate users regarding the finite resource water is and to reduce their water usage by utilizing modern meter technologies and digital education platforms.

## 5. Environmental and Cultural Resources Compliance

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

The project will not impact the surrounding environment. Since all work will be completed within existing vaults and previously disturbed areas, there is no excavation, earthwork, or other physical impacts. 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.

There are wetlands in the District's boundaries, however, this project will not affect or have any impact on any wetland areas.

4. When was the water delivery system constructed?

The original District/Reclamation Project began in the late 1950's and continued over a several year period in the early 1960's. Since then, additional infrastructure such as potable pipelines, conveyance canals and pipes have been added to meet the growing population 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.

No, there will be no major modifications to the District's irrigation 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, WBWCD is not aware of any buildings, structures or features that would be impacted or would qualify.

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

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

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

No.

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

No.

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

No.

## 6. Required Permits and Approvals

Ogden City will be involved and notified of all metering project implications and timelines. Any concerns they have will also be addressed prior to the construction. WBWCD will work with property owners to minimize installation impacts and provide an improved service connection.

## 7. Official Resolution

An official resolution is attached as Attachment C.

## 8. Project Budget

### Funding Plan and Letters of Commitment

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

The District will fund all non-Federal contributions entirely with Weber Basin Water Conservancy District operating revenues.

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

N/A

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

N/A

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

N/A

FUNDING SOURCES	FUNDING AMOUNT
<b>Non-Federal Entities</b>	\$48,175.00
<b>Non-Federal Subtotal</b>	\$48,175.00
<b>Other Federal Entities</b>	\$0.00
<b>Other Federal Subtotal</b>	\$0.00
<b>Requested Reclamation Funding</b>	\$48,175
<b>Total Project Funding</b>	\$48,175.00

FUNDING SOURCES	% of Total Project Cost	Total Cost by Source
Recipient Funding	50%	\$48,175.00
Reclamation Funding	50%	\$48,175.00
Other Federal Funding	0%	\$0.00
Totals	100%	\$96,350.00

### Budget Proposal

Budget Item Description	Computation		Quantity Type	Total Cost
	\$/Unit	Quantity		
<b>Salaries &amp; Wages</b>	\$0.00	-	-	\$0.00
<b>Fringe Benefits</b>	\$0.00	-	-	\$0.00

<b>Travel</b>	\$0.00	-	-	\$0.00
<b>Equipment</b>	\$0.00	-	-	\$0.00
<b>Supplies and materials</b>	\$0.00	-	-	\$0.00
<b>Contractual /Construction</b>				
1" Meter	\$1,150	9	EA	\$10,350
2" Meter	\$3,200	9	EA	\$28,800
4" Meter	\$5,000	2	EA	\$10,000
6" Meter	\$8,200	4	EA	\$32,800
8" Meter	\$11,400	1	EA	\$11,400
<b>Other</b>				
Environmental Report	\$3,000	1	EA	\$3,000
<b>Total Direct Costs</b>				\$96,350
Indirect Costs	\$0.00	-	-	\$0.00
<b>Total Project Costs</b>				<b>\$96,350</b>

[Budget Narrative](#)

[Salaries & Wages](#)

No WBWCD Salaries or Wages will be included. WBWCD’s staff time will be over and above the cost of the project and will not be counted toward the project cost.

[Fringe Benefits](#)

No fringe benefits will be required.

[Travel](#)

No travel will be required.

[Equipment](#)

Equipment is included as a cost in the Contractual /Construction portion of the project. Equipment will be procured by the District. Procurement will be consistent with state requirements.

[Materials and Supplies](#)

Materials and Supplies is included as a cost in the Contractual /Construction portion of the project and will be documented as required.

[Contractual /Construction](#)

In order to determine unit costs which were included in the cost estimate for this project, WBWCD relied upon budgetary cost information for the equipment, materials and supplies required for a typical meter of each size.

[Environmental and Regulatory Compliance Costs](#)

The environmental document for this project will be minimal.



### Reporting

WBWCD'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.

### Total Costs

WBWCD Portion	Fed Portion	Total
\$48,175.00	\$48,175.00	\$96,350.00

## 9. Unique Entity Identifier and System Award for Management

*Be Registered in the System Award Management (SAM) before submitting its application:*

**Yes. SAM DUNS Number: 0731098940000**

**Attachment A.  
Official Resolution**



# WEBER BASIN WATER CONSERVANCY DISTRICT

2837 EAST HIGHWAY 193 • LAYTON, UTAH • PHONE (801)771-1677 • SLC (801) 359-4494 • FAX (801) 544-0103

## OFFICIAL RESOLUTION

Tage I. Flint  
General Manager/CEO

WHEREAS, the Weber Basin Water Conservancy District (District) is committed to water efficiency;

**Board of Trustees:**

Dee Alan Waldron  
President  
Mojave County

WHEREAS, the District recognizes the need to use water more efficiently in order to provide for the needs of the growing population in the District's Boundaries;

Kym D. Buttschardt  
Weber County

WHEREAS, the District strongly supports the Bureau of Reclamation's goals as set forth in the Small-Scale Water Efficiency Projects;

Randy B. Elliott  
Davis County

NOW THEREFORE, BE IT RESOLVED that the Board of Trustees for the Weber Basin Water Conservancy District agrees and authorizes that:

Scott K. Jenkins  
Weber County

Marlin K. Jensen  
Weber County

P. Bret Millburn  
Davis County

Angie Osguthorpe  
Weber County

Paul C. Summers  
Davis County

Dave Ure  
Summit County

1. The Board has authorized and supports the proposal submitted;
2. The District will provide up to \$48,175 of funding for the Secondary Water System Metering project of Large HOA Meters; and
3. If selected for the Secondary Water System Metering Project of Large HOA Meters, the District will work with Reclamation to meet established deadlines for entering into a cooperative project,

## ATTEST

I, TAGE I. FLINT, Secretary of the Weber Basin Water Conservancy District, hereby certify that the foregoing is a true and correct copy of a resolution adopted in accordance with District Policies approved by the Board of Trustees of the Weber Basin Water Conservancy District.

Date: March 18, 2021



Tage I. Flint, Secretary