



— BUREAU OF —  
RECLAMATION

## FY 2024 and FY2025 Application Period 1 Small-Scale Water Efficiency Projects Grants

### Arizona

#### **Joshua Valley Utility Company, Phase II: Upgrade 400 Meters to Advanced Meter Reading Technology**

**Reclamation Funding: \$100,000 , Total Project Cost: \$221,200**

The Joshua Valley Utility Company, located in Meadview, Arizona, will upgrade 400 manual read meters with meters containing Advanced Meter Reading technology to enhance operational efficiency, improve leak detection, reduce water losses, provide accurate and timely data collection, and improve the overall reliability of the water supply system. With the new meters, the community will have access to informed water usage and leak detection alarms, helping them conserve water. The project advances water management and conservation goals identified by local and state water resource agencies.

### California

#### **City of Alhambra, Improving Water Efficiency with Advanced Metering Infrastructure**

**Reclamation Funding: \$100,000, Total Project Cost: \$211,115**

The city of Alhambra, located in Los Angeles County, California, will upgrade 458 water meters across their service area with new Advanced Metering Infrastructure technology. The meters will improve the city's ability to meet residential, commercial, industrial, and institutional water demands. With the new meters, the city will have access to highly accurate, real-time meter-reading capability and enhanced customer awareness that will reduce water loss, increase water-use efficiency, and improve the resilience of the water system. Customers will have access to a secure online portal to view and track water usage and demand. The project addresses the goals of improved water conservation and water-use awareness outlined in the city's Urban Water Management Plan.

#### **City of Long Beach, Long Beach Utilities Department High Efficiency Indoor Fixtures Program**

**Reclamation Funding: \$100,000, Total Project Cost: \$200,000**

The city of Long Beach, located in Los Angeles County, California, will provide the Long Beach Utilities Department High Efficiency Indoor Device Program as a direct-install program for single and multi-family homes. The program will replace qualifying toilets, clothes washers, and shower heads with water-efficient models. Immediate water and energy savings will occur reducing

dependence on groundwater and imported surface water, generating greater water resilience for the City in the face of climate change and water scarcity. This project supports the city's Water Resource Plan and Urban Water Management Plan water conservation goals.

### **El Dorado Irrigation District, Wholesale Water Replacement: A Municipal Metering Upgrade Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$246,579**

The El Dorado Irrigation District, located in El Dorado County, California, will upgrade three wholesale meters with updated Automated Meter Read technology. The project will enable the district to conserve water and improve overall data collection and analysis of water consumption. As a result, customers will have easy access to water use data to help make informed water use decisions and take timely action to address leaks and unexpected consumption. This project supports the El Dorado Irrigation District's 2020 Urban Water Management Plan ensuring adequate water supplies are available to meet existing and future water needs.

### **Hallwood Irrigation Company, Flow Control Automation Upgrades Phase 1**

**Reclamation Funding: \$100,000, Total Project Cost: \$225,000**

The Hallwood Irrigation Company, located north of Sacramento, California, will install three automated gates with integrated flow control measurement. The new gates will have solar-powered Supervisory Control and Data Acquisition accessible via cellular connection. This project will allow ditch tenders to manage diversions more efficiently and collect real-time flow data with remote operations. The improved operational control will significantly increase the overall efficiency of the system and minimize excess water diversions from the Yuba River. This project supports the priority of the Yuba Integrated Regional Water Management Plan to enhance water supply management and provide reliable water that meets the diverse needs of the region.

### **Monte Vista Water District, Advanced Meter Infrastructure Installation – Phase 3**

**Reclamation Funding: \$90,000, Total Project Cost: \$206,995**

The Monte Vista Water District, located in southwest San Bernardino County, California, will upgrade 315 manually read residential meters to Advanced Meter Infrastructure. This is the third phase of an ongoing comprehensive system-wide meter replacement program. These transitions will improve meter reading efficiencies, leak detection, and promote increased water conservation and sustainability. This project aligns with the district's goal of providing improved service to its customers, specifically by refining existing infrastructure practices, as outlined in the district's Water System Master Plan.

### **San Benito County Water District, Turf Removal Program:**

**Reclamation Funding: \$100,000, Total Project Cost: \$225,000**

The San Benito County Water District, located in the central coast region of California, will offer a turf removal program to commercial, institutional, and residential water users. This program will replace existing lawns with low-water landscapes that incorporate native and climate-appropriate shrubs, grasses, and trees. Reducing water demand will alleviate stress on imported

surface water allocations and the local groundwater basin. This project supports the 2020 Hollister Urban Area Water Management Plan, which seeks to achieve future water use targets through turf removal programs.

### **South Coast Water District, Water Efficiency Incentive Program**

**Reclamation Funding: \$100,000, Total Project Cost: \$200,000**

The South Coast Water District, located in the coastal southern Orange County, California, will expand the existing turf removal rebate program by offering rebates for removing high-water use turfgrass, landscaping and irrigation, and replacing it with water-conserving California landscapes. The program will focus on both single and multi-family residential and commercial properties across the district's service area. The program will decrease potable water use, increase irrigation efficiency, provide groundwater recharge, and reduce dry-weather and stormwater runoff and its associated non-point source pollution. This program meets the goals listed in the district's 2020 Urban Water Management Plan as a key water conservation program and increases water supply reliability.

### **Western Municipal Water District of Riverside County: SCADA Master Plan – Control Systems Upgrade Phase 2 for Water Efficiency**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,135**

The Western Municipal Water District, located in Riverside, California, will install Supervisory Control and Data Acquisition at three potable water pump stations. The district will install programmable logic controllers to collect real-time data at each pump station. The installation of the system will optimize process control, enhancing water supply reliability and operational reliability, reducing water losses, streamlining data collection, and improving information sharing. The project will improve the overall management and sustainability of the water supply system while reducing costs related to water losses by identifying leaks early. The project is a priority in the district's 2018 SCADA Master Plan and addresses the plan's goals of optimizing and improving the control system.

### **Utica Water and Power Authority, The Utica Canal Lining Project**

**Reclamation Funding: \$77,640, Total Project Cost: \$155,350**

The Utica Water and Power Authority, located in northern California, will line 1,200 linear feet of the earthen Utica Canal with a reinforced shotcrete liner. This lining will help reduce seepage losses, providing better water management and conservation of agricultural water. This project will also reduce sediment loading in the canal thereby improving the canal's flood control, emergency water storage, and drought resiliency. Additionally, the conserved water will improve the authority's ability to produce renewable energy at two hydroelectric facilities. The project addresses the goals and objectives of the Utica Power and Water Authority's Capital Improvement Plan to facilitate improved water management and efficiency.

## **Colorado**

## **Eureka Water Company, Improving Water Efficiency for the Eureka Water Company by Updating Water Meters**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,000**

The Eureka Water Company, located near La Junta, Colorado, will upgrade 146 residential water meters that will be outfitted with radio-transmission capabilities and the associated software to manage the system. By upgrading the meters, water company will be able to quickly identify any anomalies in the system and repair leaks and breaks, which will reduce unaccounted-for-water losses and increase efficiencies in meter reading and billing. The meter upgrades will improve conservation efforts and increase overall system sustainability. This project supports the water company's water system improvement plan objective to modernize and improve the entire water system.

## **Fruitland Irrigation Company SCADA Improvement Project**

**Reclamation Funding: \$97,790, Total Project Cost: \$195,580**

The Fruitland Irrigation Company, located in western Colorado, will install Supervisory Control and Data Acquisition at three key gates along its ditch and reservoir system. Once completed, this project will allow the company remote and automated control of two gates and the Gould Reservoir outlet gate, along with remote readings of flow measurements in the system. The SCADA installation will increase system efficiency and manageability resulting in more responsible delivery of irrigation water to shareholders. The project will meet statewide and regional goals and objectives of the Colorado Water Plan and Gunnison Basin Implementation Plan.

## **Orchard Mesa Irrigation District, Orchard Mesa Irrigation District Check Channel Measurement and Automation Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,700**

The Orchard Mesa Irrigation District, located in Palisade, Colorado, will install measurement and automated gate control infrastructure on the Orchard Mesa Check channel and the adjacent Vinelands Power Plant afterbay radial gates. The Check channel allows for reuse of Colorado River water diverted from Roller Dam. The water diverted at Roller Dam is split between canals, travels to the Vinelands Power Plant, and then is released back to the Colorado River through radials gates or through the existing Check channel. Once completed, this measurement and automation system will allow the district to accurately measure and control the water that is returned to the Colorado River. The work will reduce reservoir releases from Green Mountain Reservoir, improve flow measurements, and conserve late stream water, helping to sustain agricultural viability in Colorado's Grand Valley. The Grand Valley Water Users Association identified this project as a priority during a 2022 System Optimization Review.

## **Town of Erie, Lawrence A. Wurl Service Center Turf Replacement Project**

**Reclamation Funding: \$69,443, Total Project Cost: \$154,317**

The town of Erie, located in central Colorado, will replace turf on the north side of the Lawrence A. Wurl Service Center with water-wise landscaping. The project will showcase design practices that align with the town's water conservation goals and address water management challenges that arise due to climate change and Colorado's susceptibility to droughts. The landscaping will

include drought-resistant plant species, low-water-used grasses, and a range of mulch types. The project is included in the town's 2021 Water Efficiency Plan and supports the plan's goal of creating irrigation efficiency and landscapes in the town's parks and facilities.

### **Town of Vilas, Water System Improvements**

**Reclamation Funding: \$79,000, Total Project Cost: \$158,000**

The town of Vilas, located in southeastern Colorado, will improve water use data by upgrading existing water meters to new radio-based meters for both residential and commercial customers and installing a new water tank level sensor. The new technology will enable the collection of data from each customer automatically, eliminating the need for monthly manual meter readings. This will save work hours and improve the accuracy of readings. The tank level instrumentation will help the town reduce the possibilities of water loss from tank overflow. These improvements will reduce unaccounted-for-water loss, increase efficiencies in water metering and billing, and provide the town a means to operate and control the water levels in the tank.

## **Idaho**

### **Black Canyon Irrigation District, Black Canyon Main Canal Metering Project**

**Reclamation Funding: \$99,998, Total Project Cost: \$212,763**

The Black Canyon Irrigation District, located in Canyon County, Idaho, will install 100 water meters at unmetered locations along the Black Canyon Main Canal. The district will collect data on water use and optimize water deliveries to increase water use efficiency. Additionally, the installation of meters will help the district better manage water requests and control fluctuations in water delivery system. Metering the Black Canyon Main Canal is a top priority for the district and will help in understanding when and how much water enters and exits its system to ensure all patrons within its boundaries receive water.

### **Bilbrey Ditch Company, Limited, Bilbrey Ditch Company, Limited Canal Automation Project**

**Reclamation Funding: \$68,532, Total Project Cost: \$137,065**

The Bilbrey Ditch Company, located in western Idaho, will automate one headgate and two check structures on its main canal. This automation project will enable the company to better match the available water to the demand of its agricultural users. The automated headgates will maintain water levels in the canal for the irrigation users while helping to ensure that water remains in the Payette River. With this project, operational efficiency will improve by reducing manual labor, reducing response time, and increasing canal performance data availability. This project aligns with the goals set forward by the Idaho Department of Water Resources Payette River Basin component of the Idaho Comprehensive State Water Plan and the Idaho State Water Plan.

## **Boise Project Board of Control, Automation of the Waldvogel Canal and Waldvogel Wasteway**

**Reclamation Funding: \$43,552, Total Project Cost: \$87,105**

Boise Project Board of Control, located in southwest Idaho, will modernize the headworks of the Waldvogel Canal and Wasteway by installing automated gates and flow measurement that will connect to a Supervisory Control and Data Acquisition system. The new gate system will allow the board of control to remotely monitor and control gate operations and water levels on the Waldvogel Canal and Wasteway. The operators will have access to real-time water flows and can make necessary changes to the canal or wasteway to conserve water and ensure consistent water deliveries to irrigation users. The project will improve operations within the canal, increase water user efficiency, and prevent loss from spills and overflows. The project provides a means for water managers to measure water diversions into each waterway and meets the Boise Project Board of Control Water Conservation Plan's goal of ensuring water is not lost to excess deliveries.

## **City of Nampa, City of Nampa's 2C WaterWise Program: Turf Replacement and Efficiency Systems Irrigation Rebate Program for Residents**

**Reclamation Funding: \$100,000, Total Project Cost: \$200,000**

The city of Nampa, located west of Boise, Idaho, will offer two new rebate programs through the existing residential WaterWise Program. The rebate programs will include a turf replacement rebate, to offset the cost of converting lawns to drought-tolerant landscaping, and an efficiency system irrigation rebate to assist residents with the installation of water-efficient irrigation improvements to existing systems. These rebates will help the city conserve water and enable the system to better meet the needs of farmers and residents that have been impacted by prolonged drought conditions. This project supports the objectives of the city's Drought Response Plan to educate residents on water conservation and save water through turf replacement.

## **Fremont Madison Irrigation District Grassy Lake Automation and SCADA Project**

**Reclamation Funding: \$30,694, Total Project Cost: \$61,388**

The Fremont-Madison Irrigation District, located in Fremont, Idaho, will retrofit the existing outlet gates at Grassy Lake Reservoir with automated and remote operating equipment. This new system will be connected to the district's existing Supervisory Control and Data Acquisition system. Remote operations of Grassy Lake Reservoir will benefit the Upper Snake Reservoir system, as it will allow the district to adjust reservoir releases to meet demands on the Fall River for both irrigation and recreational use (Grassy Lake Reservoir is on Grassy Creek, which is a tributary to the Fall River). This project will result in more constant releases from the reservoir, improving water delivery efficiency, and creating better conditions for fish and wildlife. The project addresses the goals and objectives of the district's Water Conservation Plan to increase water use data.

## **Greenferry Water and Sewer District, Greenferry Water and Sewer District Water Meter Upgrade Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$207,475**

The Greenferry Water and Sewer District, located in northern Idaho, will upgrade 98 manually read meters with new meters equipped with Advanced Meter Reading technology. The meters will enhance operational efficiency, improve leak detection, reduce water losses, provide accurate and timely data collection, and improve the overall reliability of the water supply system. The addition of the new technology will also allow the district to give customers easy access to water use data, including near real-time alerts to make informed water use decisions and take timely action to address leaks and unexpected consumption at their residences. The project addresses the goals of the district's Water System Facility Plan to improve operations and increase efficiency.

## **Henrys Fork Groundwater District, Henrys Fork Groundwater District Flow Meter Telemetry Project**

**Reclamation Funding: \$72,500, Total Project Cost: \$145,000**

Henrys Fork Groundwater District, located in Fremont, Idaho, will equip 290 meters at groundwater diversions with telemetry equipment to allow for real time monitoring. Currently, this data is supplied by the state of Idaho that manually collects the groundwater diversion data only at the end of the irrigation season. With installation of the telemetry equipment, the district will be able to provide their customers access to real-time data to make informed water use decisions and take timely action to address leaks and unexpected use within the irrigation system. This project will conserve groundwater, supporting the Henrys Fork Watershed Council's water conservancy efforts.

## **Parks and Lewisville Irrigation Company, SCADA Installation Project: Phase II**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,098**

The Parks and Lewisville Irrigation Company, located in Jefferson County, Idaho, will install automated headgates at three diversion structures. This project will assist the company by increasing the management efficiency of the system and allowing for real-time measurement of flows. The project will benefit both agricultural and recreational users by more accurately providing deliveries for crop irrigation and keeping excess flows in the Dry Bed, a tributary of the Snake River that is frequently used for recreating. The project will provide more accuracy in the control of the. The automation of water delivery and ongoing monitoring will help accomplish a general goal in the Parks and Lewisville System Optimization Plan.

## **Southeast Idaho Canal Company, Inc., Crosscut Canal Check Structure Automation Project**

**Reclamation Funding: \$40,425, Total Project Cost: \$80,850**

The Southeast Idaho Canal Company, located in Fremont, Idaho, and the Henry's Fork Basin, will install an automated check structure on the Crosscut Canal. The structure will include flow measurement and will be operated from the company's existing Supervisory Control and Data Acquisition system to allow real-time flow adjustments. Currently, the structure is operated using boards that are inefficient at controlling flow. With the new automation equipment, the

company will be able to set water levels remotely from the existing SCADA system, and the new gates will automatically adjust when flow changes occur. The project will increase water reliability for agricultural users and supports the goal of the 2015 Henrys Fork Basin Study by conserving water.

**Teton Irrigating and Manufacturing Co, Piping of Earthen Canal along 3000 N Lateral Reclamation Funding: \$87,400, Total Project Cost: \$174,80**

Teton Irrigating and Manufacturing Company, located in Saint Anthony, Idaho, will convert 2,480 feet of earthen canal to polyvinyl chloride pipe. The project will reduce seepage and resolve erosion issues at the existing canal's 90-degree bend. The project will help conserve the local water supply and make Henrys Fork Watershed more resilient in drought conditions. This project was identified in the 2021 infrastructure needs survey by the Freemont-Madison Irrigation District in collaboration with the company.

**Salmon River Canal Co Limited: Salmon River Canal Company Piping Lateral 1723 and Lateral 12 Automation**

**Reclamation Funding: \$100,000, Total Project Cost: \$219,422**

The Salmon River Canal Company, located in southern Idaho, will convert 9,170 linear feet of open earthen canal to a buried polyvinyl chloride pipeline on Lateral 1723 and install headgate automation on Lateral 12. The new pipeline will be equipped with electromagnetic meters. The pipe installation will eliminate evaporation and seepage losses, reduce canal spills, and provide overall better water management. The meters will reduce water consumption and educate users on their water usage. The project addresses the goals and objectives of the Idaho State Water Plan to improve water management and efficiencies, while encouraging the quantification of water supplies.

## **Kansas**

**City of Sharon Springs, Improving Water Efficiency Through Smart Water Meters**

**Reclamation Funding: \$100,000, Total Project Cost: \$236,478**

The city of Sharon Springs, located in Wallace County, northwest Kansas, will upgrade 425 residential and commercial water meters with Advanced Metering Infrastructure meters to collect and transmit water flow data to the city's analytics system. The project will help the city better manage water supplies, promote conservation among its residential and commercial customers, and automate its meter readings. The project supports the Kansas Water Plan principles to conserve the High Plains Aquifer and reduce vulnerability to extreme events.

**Kansas Bostwick Irrigation District 2, Converting the Courtland 5<sup>th</sup> – 48.8 Lateral to a Buried Pipe System**

**Reclamation Funding: \$100,000, Total Project Cost: \$262,707**

Kansas Bostwick Irrigation District, located in north central Kansas, will convert the Courtland 5th – 48.8 lateral canal into buried plastic irrigation pipe system. The buried pipe system will save water by reducing seepage, evaporation, and operational spills. The conserved water will remain in Lovewell Reservoir, allowing for the lake to remain at a higher volume longer into each



irrigation season and summer, a benefit to irrigators and recreationists. The project meets the objective of the district's Water Conservation Plan to conserve water through buried pipe projects.

## Montana

### **Blue Water Task Force, Big Sky Water Conservation Program**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,798**

The Blue Water Task Force, in partnership with the Big Sky Water and Sewer District, located in southwest Montana, will enhance the existing outdoor rebates program to encourage sustainability through water-wise landscapes. The Task Force's enhanced outdoor rebates will emphasize turf removal, increase rebate amounts, and provide more one-on-one assistance through site visits and landscape design assistance. Turf removal supports outdoor water conservation efforts and aids in protecting groundwater aquifer depletion by reducing groundwater pumping needed to meet landscape needs. The project supports the planning efforts of the 2022 Big Sky Water Conservation and Drought Management Plan and meets the conservation and efficiency objectives of the 2022 Source Capacity Plan.

## Nebraska

### **Central Platte Natural Resources District, Central Platte Natural Resources District, and 30-Mile Irrigation District: 30-Mile Flow**

**Reclamation Funding: \$95,542, Total Project Cost: \$191,084**

The Central Platte Natural Resources District, in partnership with the Thirty Mile Irrigation District, located in south central Nebraska, will install five automated gates on Thirty Mile Canal. These gates will have integrated flow measurement technology to precisely measure and automatically adjust flow rates. Automating the canal will improve water savings and improve water service throughout the area. Flow data collected from these features will increase Central Platte Natural Resource District's and Thirty Mile Irrigation District's understanding of water usage patterns and detect water breaches. The project supports the Central Platte Natural Resource District's Integrated Management Plan's goal of implementing measures to address the impacts of streamflow depletions on surface-water appropriations.

### **City of Lincoln, Lincoln WaterWise Sustainable Landscapes Cost Share Program**

**Reclamation Funding: \$100,000, Total Project Cost: \$223,000**

The city of Lincoln, located in eastern Nebraska, will expand its existing WaterWise Sustainable Landscapes Cost Share Program. This program replaces water-intense lawns with drought-tolerant turf or drought-tolerant native grasses, contributing to water conservation efforts and thereby helping the city become more drought resilient. The native landscaping will also provide habitat for pollinators and increases biodiversity. Such measures align with the city's Water Management Plan that highlights the significance of water conservation strategies, including this cost-share program.

## **Little Blue Natural Resources District, Well Meter Upgrade and Water Us Efficiency Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$205,200**

The Little Blue Natural Resources District, located in southeast Nebraska, will upgrade 79 flow meters on high-capacity wells across five counties within the district. The upgraded meters will have advanced features including digital readouts and telemetry capabilities providing more accurate real-time flow data and remote read capability enabling increased water conservation. The project is designed to address growing issues in groundwater depletions in targeted areas of the district. This project supports the goals and initiatives outlined in the district's Groundwater Management Plan and the basin-wide Little Blue Basin Water Management Plan.

## **New Mexico**

### **Carlsbad Irrigation District, Carlsbad Irrigation District: Prioritized Small-scale Main Canal Lining**

**Reclamation Funding: \$91,818, Total Project Cost: \$183,636**

Carlsbad Irrigation District, located in southeastern, New Mexico, will line 2,000 feet of the Main Canal to improve overall canal efficiencies. The liner will be placed along a priority section of the canal that experiences excessive seepage. By reducing the seepage, the project will conserve water leading to increased water supply reliability for agricultural users and result in more efficient management of the district's limited water supply. The project is supported by the Pecos River Basin Study and is a priority project within the district.

## **Nevada**

### **Moapa Valley Water District, Water Meter and Data Collection System Upgrade**

**Reclamation Funding: \$100,000, Total Project Cost: \$216,972**

The Moapa Valley Water District, located in Clark County, Nevada, will upgrade 350 domestic water meters with advanced metering infrastructure. The new meters will be equipped with cellular endpoints for improved data analytics and water management. This technology will provide both the district and water users easy access to detailed water usage information. With the data collected from the new infrastructure, the district can improve water management and increase efficiency in the water distribution system. This project aligns with the Moapa Valley Water District's 2019 Water Conservation Plan's goal to deliver quality water while supporting conservation and the district's Capital Improvements Plan which recommends upgrading meters to reduce unaccounted-for-water loss.

## **Oregon**

## **North Unit Irrigation District, Improve Water Management & Conservation Through Spill Reduction at 58-11 Pipeline**

**Reclamation Funding: \$51,285, Total Project Cost: \$104,063**

North Unit Irrigation District, located in northwestern Oregon, will install a flume at the end of pipeline 58-11 that will be equipped with telemetry, a water-level pressure sensor and programmable logic controller. With this technology, the district can monitor and control the pipeline flows in real-time, helping to eliminate losses. The district will have better control of the pipeline's tailwater releases and overall management of the water conveyance system. By optimizing the management and conveyance of water, this project supports the district's initiatives for improving water conservation and delivery in Oregon's Deschutes Basin outlined in the 2023 Final Watershed Plan-Environmental Assessment. The project also addresses the improvement of water conservation and management, water use efficiency, and water conservation project goals of the North Unit Irrigation District Water Management and Conservation Plan.

## **Texas**

### **City of Universal City, City of Universal City Advanced Metering Infrastructure (AMI)**

**Reclamation Funding: \$100,000, Total Project Cost: \$215,667**

The city of Universal City, located in Bexar County, Texas, will replace 606 residential and commercial water meters with advanced metering infrastructure. With the addition of advanced metering infrastructure, the city will be able to conserve water and give customers easy access to water use data, including near real-time alerts to make informed water use decisions and to take timely action to address leaks and unexpected water use. This project supports the Universal City Water Conservation Plan's goal of reducing water usage.

## **Utah**

### **Ogden River Water Users Association, Ogden River Water Users Association SCADA Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$224,500**

The Ogden River Water Users Association, located in Weber County, Utah, will install remote flow and level monitoring instruments and telemetry units at several critical locations along the Ogden-Brigham Canal and South Ogden Highline Canal, including a key monitoring site below Pineview Dam. Currently, they rely on canal riders to monitor and operate headgates on over 35 miles of canals. Delayed responses can result in blocked canals, floodings, water losses, and reduced efficiency in deliveries. Installing remote measuring and real-time data units enables quicker responses. The project is supported by the Ogden River Water Users Association's Automation Master Plan developed by the Pineview Water System.

## **Washington**

**Chelan County Natural Resources, Wenatchee Water Smart Gardens Program  
Reclamation Funding: \$77,405, Total Project Cost: \$154,810**

The Chelan County Natural Resources Department, located in central Washington, will implement a turf replacement program to incentivize residents to replace turf with drought-tolerant landscaping. The project will result in overall lower water use across the watershed and provide opportunities for water to remain instream. The project supports the planning efforts of the 2006 Wenatchee River Watershed Plan and meets the conservation and efficiency objectives of the Wenatchee Watershed Detailed Implementation Plan.

**Columbia Irrigation District, Columbia Irrigation District Cox Spillway Liner Project  
Reclamation Funding: \$88,721, Total Project Cost: \$221,803**

Columbia Irrigation District, located in Benton County, Washington, will install a reinforced concrete liner in approximately 1,400 linear feet of its Lateral 2 canal. The concrete lining will greatly reduce seepage out of the canal and protect the banks. This in turn, reduces the risk of damage to nearby infrastructure and downslope properties, including a potential wash into the Columbia River, that a canal failure would cause. The project supports the district's capital improvement and conservation plan, which is geared towards solutions for high-risk areas and water conservation.

**Quincy Columbia Basin Irrigation District, Automation of W39.9 Lateral Turnout of the West Canal**

**Reclamation Funding: \$78,360, Total Project Cost: \$156,720**

The Quincy-Columbia Basin Irrigation District, located in central Washington, will install two automated and integrated flow measurement control gates at the headgate of the W39.9 lateral. The installation and automation of the gates will allow for near-instantaneous operational corrections for changes in flow rate and can be operated remotely, increasing water distribution efficiency. Flow data collected from this new technology will increase the district's understanding of water use patterns and breaches, which can inform water conservation decisions. The project addresses the goals for water saving identified in the Columbia Basin Project Coordinated Water Conservation Plan.

## **Wyoming**

**City of Cheyenne, Measurement and Canal Efficiency Project**

**Reclamation Funding: \$100,000, Total Project Cost: \$200,643**

The city of Cheyenne, located in southern Wyoming, will install six Advanced Meter Infrastructure gateways and launch a customer portal as part of the upgrade project. The gateways will provide real-time data of water usage which will enhance the water management, increase water conservation, and improve operational efficiency. The system will provide customers and the district with continuous access to water use data with customizable alarms for prompt response to leaks and high consumption. The project aligns with the 2013 Cheyenne Water and Wastewater Master Plan to streamline operations and increase efficiency.