

## **Fiscal Year 2025 WaterSMART Grants:** **Water and Energy Efficiency Grants**

### **California**

#### **City of Anaheim Department of Public Utilities, Advanced Metering Project (Phase I)**

**Reclamation Funding: \$1,994,031**

**Total Project Cost: \$4,069,451**

The City of Anaheim Department of Public Utilities, in Orange County, California will install 8,000 Advanced Metering Infrastructure water meters in high priority locations. The project is expected to result in annual water savings of 997 acre-feet by providing highly accurate, real-time meter reading capabilities and enhanced customer use awareness that will lead to increased water efficiency and improved water system resilience. The project will help reduce reliance on groundwater resources and imported water from the State Water Project and the Colorado River.

#### **Bard Water District, Lining of the Reservation Main Canal (Phase 2)**

**Reclamation Funding: \$437,500**

**Total Project Cost: \$889,058**

The Bard Water District, in Winterhaven, California, will line 1,250 feet of the Reservation Main Canal with concrete to enhance the existing water conveyance. The project is expected to result in annual water savings of 351 acre-feet, which is currently lost to seepage in the earthen canal. By reducing water loss and increasing flow rates, the project will provide more consistent water deliveries, preventing potential flooding and crop damage while ensuring the sustainable use of water resources for both Bard Water District members and the Fort Yuma Quechan Indian Tribe. The project aligns with the District's approved Five-Year Water Conservation Plan and is a priority for the local agricultural community.

#### **Fresno Irrigation District, Flow Metering Wells Project**

**Reclamation Funding: \$2,000,000**

**Total Project Cost: \$4,000,000**

The Fresno Irrigation District, in Fresno County, California, will install 200 electromagnetic flow meters on groundwater wells, allowing for accurate measurement of groundwater extractions and more precise irrigation based on irrigation scheduling and crop demands. The improved management achieved through metering is expected to result in annual water savings of 840 acre-feet by allowing growers to better match supplies to crop demands and irrigation scheduling. The conserved water will contribute to groundwater sustainability and support drought protection efforts, while benefitting agricultural, rural, and urban water users within the District.

#### **Glenn-Colusa Irrigation District, Irrigation Lateral Automated Measurement and Control Project**

**Reclamation Funding: \$721,196**

**Total Project Cost: \$1,442,392**

The Glenn-Colusa Irrigation District, in Glenn and Colusa Counties in northern California, will install automated lateral water control structures, automated spill structures, and headgate measurement devices across various laterals within the District. These irrigation efficiencies will better control deliveries in an area that relies heavily on flood irrigation. By reducing over-deliveries and seepage losses, the project is expected to result in annual water savings of 4,366 acre-feet. The conserved water will improve irrigation efficiency, enhance water quality, and increase the reliability of the irrigation system.

**Hallwood Irrigation Company, Lining of Feedlot/Warehouse Ditch****Reclamation Funding: \$1,764,190****Total Project Cost: \$3,528,380**

The Hallwood Irrigation Company, in Yuba County, California, will line 7,500 feet of the earthen lined Feedlot/Warehouse Ditch. The project is expected to result in annual water savings of 3,900 acre-feet by reducing seepage losses. The project will benefit communities and customers by reducing pumping costs, improving water quality, and increasing the overall reliability of the irrigation system in an area facing severe drought. The project will enhance water conservation and contribute to improved water management efforts in California's Central Valley.

**Hallwood Irrigation Company, Lining of North Main Ditch****Reclamation Funding: \$1,222,385****Total Project Cost: \$2,444,770**

The Hallwood Irrigation Company will also line 3,700 feet of the earthen North Main Ditch. The project is expected to result in annual water savings of 3,800 acre-feet by reducing seepage losses. The conserved water will improve the efficiency of the irrigation system, increase water supply reliability for local communities, and support water management in a drought prone area.

**City of Industry, Advanced Metering Infrastructure Conversion Project****Reclamation Funding: \$500,000****Total Project Cost: \$1,151,053**

The City of Industry, in Los Angeles County, California, in partnership with La Puente Valley County Water District, will install 3,409 Advanced Metering Infrastructure water meters and develop an online customer portal to enhance leak detection, minimize water loss, and promote water conservation. The project is expected to result in annual water savings of 239 acre-feet by identifying leaks and improving the accuracy of meter readings. The conserved water will bolster the resiliency of the Main San Gabriel Groundwater Basin, a basin that currently faces severe drought.

**City of Kerman, Advanced Metering Infrastructure Water Conservation Project****Reclamation Funding: \$1,597,087****Total Project Cost: \$3,194,174**

The City of Kerman, in Fresno County, California, will equip all 4,086 residential, commercial, and industrial water connections in the City's service area with Advanced Metering Infrastructure, including installation of water meters, endpoints, cellular network infrastructure, and a customer interface application. The project is expected to result in annual water savings of 381 acre-feet, which is currently lost due to metering inaccuracies and unaddressed leaks in the City's water system. The conserved water will reduce demand on the Kings Subbasin, improving long-term water reliability and drought resilience for the community.

**Las Virgenes Municipal Water District, Large Meter Advanced Metering Infrastructure****Reclamation Funding: \$432,081****Total Project Cost: \$864,163**

Las Virgenes Municipal Water District, in Southern California, will upgrade 117 large water meters across its service area, including installing 99 new meters and upgrading 18 existing Advanced Metering Infrastructure meters. The project is expected to result in annual water savings of 488 acre-feet by increasing meter reading accuracy and improving leak detection information. The conserved water will sustain local resources and serve the District's residential and commercial customers. Additional benefits include improved customer engagement through a new online water use portal, enhanced billing accuracy, and improved water management in a drought-affected area.

**Orange County, H2OC RainSmart Landscape Turf Upgrade Incentive Program****Reclamation Funding: \$500,000****Total Project Cost: \$2,605,000**

Orange County, in Southern California, will replace up to 500,000 square feet of high-water-use turf with drought tolerant landscaping. The project is expected to result in annual water savings of 68 acre-feet. The program will provide technical assistance and financial incentives to homeowner associations to encourage homeowners to implement more water efficient landscaping, contributing to long-term water conservation efforts throughout the County.

**Otay Water District, Advanced Metering Infrastructure Upgrade Project (Phase III)****Reclamation Funding: \$2,000,000****Total Project Cost: \$7,498,720**

The Otay Water District, located in San Diego County, California, will complete a system-wide upgrade that includes installing 11,962 Advanced Metering Infrastructure-compatible meters and meter lids throughout the District's service area and expanding real-time water usage monitoring to an additional 23% of its customers. The project is expected to result in annual water savings of 837 acre-feet by reducing water loss caused by delayed leak detection and overuse due to limited consumption visibility. The conserved water will help improve drought resilience and reduce pressure on regional water supplies in an increasingly arid climate.

**City of Pasadena Water and Power Department, Pasadena Advanced Metering Infrastructure Project****Reclamation Funding: \$2,000,000****Total Project Cost: \$22,531,614**

The City of Pasadena Water and Power Department, in Los Angeles County, California, will install 38,405 water meters, including replacing 18,405 meters and retrofitting 20,000 meters with Advanced Metering Infrastructure. The project is expected to result in annual water savings of 4,294 acre-feet by increasing efficiencies in meter readings and improving billing accuracy. The conserved water will reduce pressure on the local groundwater supply and reduce reliance on imported water supplies.

**South San Joaquin Irrigation District, Advanced Metering Infrastructure Project****Reclamation Funding: \$2,000,000****Total Project Cost: \$4,024,263**

The South San Joaquin Irrigation District, in San Joaquin County, California, will install 433 magnetic meters with real-time telemetry capability at irrigation turnouts, integrating them with the District's Supervisory Control and Data Acquisition (SCADA) system. The SCADA system will provide farmers with access to real time flow data for improved water management. The project is expected to result in annual water savings of 2,645 acre-feet currently lost to operational spills. The conserved water will help offset groundwater pumping.

**Tahoe City Public Utility District, Smart Meter Installation Project****Reclamation Funding: \$500,000****Total Project Cost: \$2,641,855**

The Tahoe City Public Utility District, in Placer County, California, will install 446 Advanced Metering Infrastructure meters on approximately 446 unmetered connections in the communities around Lake Tahoe. The project will enhance operational efficiency by allowing for remote, real time data monitoring of water usage. The project is expected to result in annual water savings of 75 acre-feet, which will remain in the Lake Tahoe watershed.

### **Tri-County Water Authority, Agricultural Metering Installation Project**

**Reclamation Funding: \$486,000**

**Total Project Cost: \$1,036,145**

The Tri-County Water Authority, in Tulare and Kings Counties, California, will install Advanced Metering Infrastructure meters on approximately 71 irrigation wells. The project will provide accurate data on groundwater extraction, facilitating more precise pumping and crop irrigation. The project is expected to result in annual water savings of 5,840 acre-feet currently lost to evapotranspiration and over-irrigating. The conserved water will remain in the Tule Groundwater Subbasin.

## **Idaho**

### **Minidoka Irrigation District, Joint South Side Improvement Project**

**Reclamation Funding: \$3,081,450**

**Total Project Cost: \$6,162,900**

The Minidoka Irrigation District, in southern Idaho, in partnership with the Burley Irrigation District, will automate three check structures on the South Side Gravity Canal, convert 30,802 linear feet of open laterals to pipe, and upgrade the F Waste Siphon, an emergency diversion structure. The project is expected to result in annual water savings of 13,000 acre-feet that is currently lost to operational inefficiencies and seepage. The conserved water will remain in storage at Jackson Lake, Palisades, American Falls, and Lake Walcott for later use during times of drought.

### **Montevieu Canal Company, Irrigation Infrastructure Modernization and Conservation Project**

**Reclamation Funding: \$3,741,291**

**Total Project Cost: \$7,482,582**

The Montevieu Canal Company, in Jefferson County, Idaho, will install a high-density polyethylene liner along 10-miles of earthen canal. The project is expected to result in annual water savings of 3,883 acre-feet that is currently lost to seepage, evapotranspiration, and over-pumping to maintain pressure for deliveries. The conserved water will remain in the Eastern Snake Plane Aquifer.

## **Kansas**

### **Kansas Bostwick Irrigation District, Automation & Pipeline Conversion of the Ridge Canal**

**Reclamation Funding: \$496,473**

**Total Project Cost: \$992,947**

The Kansas Bostwick Irrigation District, in Jewell County, Kansas, will install automated gates at eight check structures and a Supervisory Control and Data Acquisition (SCADA) system on 3.9 miles of the Ridge Canal. The SCADA system will allow real-time monitoring and adjustments to diversions to minimize operational spills. The project also includes the conversion of the final 2.1 miles of the open earthen Ridge Canal to polyvinyl chloride pipe. The project is expected to result in annual water savings of 865 acre-feet currently lost to seepage, evapotranspiration, and spills. The water saved will result in reduced diversions from the Harlan County Lake and more operational flexibilities in a basin facing severe drought conditions.

## Montana

### **Billings Bench Water Association, Rattlesnake Reservoir Diversion Upgrade and SCADA Project**

**Reclamation Funding: \$262,217**

**Total Project Cost: \$524,433**

The Billings Bench Water Association, in Yellowstone County, Montana, will upgrade the existing concrete diversion structure on the Main Canal with three new motorized aluminum headgates. The Association will also install a Supervisory Control and Data Acquisition system for automatic remote control of the headgates. The project will enable real-time monitoring and adjustment of water levels in the Main Canal and Rattlesnake Reservoir, which is expected to result in annual water savings of 1,755 acre-feet that is currently lost to spills and seepage. The conserved water will remain in the Rattlesnake Reservoir.

### **Kinsey Irrigation District, Hammerback Lateral Pipeline Conversion Project**

**Reclamation Funding: \$475,462**

**Total Project Cost: \$950,924**

The Kinsey Irrigation District, in Custer County, Montana, will convert 1.44 miles of the open earthen Hammerback Canal to buried pipe. The project is expected to result in annual water savings of 2,124 acre-feet, currently lost to seepage. The conserved water will help to avoid reductions in times of shortage.

### **Yellowstone Irrigation District, Main Canal and Lateral 17.6 Rehabilitation Project**

**Reclamation Funding: \$499,726**

**Total Project Cost: \$999,452**

The Yellowstone Irrigation District, in Treasure County, Montana, will line 5,042 feet of the Main Canal with a geocomposite liner and convert 2,600 linear feet to pipe. The project is expected to result in annual water savings of 1,009 acre-feet, currently lost to seepage. The canal improvements will reduce concentrations of salts, nutrients, sediments, and chemicals in the return flows to the Yellowstone River. Conserved water will support irrigation, benefiting local agricultural communities and improving water quality in the area.

### **Zurich Irrigation District, Brown Siphon Replacement Project**

**Reclamation Funding: \$491,561**

**Total Project Cost: \$983,121**

The Zurich Irrigation District, in Blaine County, Montana, will install an upgraded siphon structure on Brown Creek to replace the existing leaking conduit. The project will improve water delivery efficiency and is expected to result in annual water savings of 1,213 acre-feet, currently lost to leaks and seepage. The conserved water will remain in the Milk River, the Fresno Reservoir, or used to avoid reductions in allocations in times of shortage.

## Nebraska

### **Bridgeport Irrigation District, Belmont Diversion Dam Rehabilitation & Canal Automation Project**

**Reclamation Funding: \$1,600,000**

**Total Project Cost: \$3,250,000**

The Bridgeport Irrigation District, in western Nebraska, will construct 480 feet of overflow weir and retrofit the Belmont Canal's reinforced concrete headgate and Empire Canal diversion structure with automated control gates to improve diversion accuracy and flow management along the 37.4-mile canal. Implementation of these improvements is expected to result in annual water savings of 1,690 acre-feet by reducing losses from spills and fluctuating diversions. The conserved water will enhance delivery reliability to Bridgeport's irrigators, support downstream appropriators, and contribute to improved hydrologic stability within the North Platte River Basin.

**Winters Creek Canal Company, Diversion Modernization Project****Reclamation Funding: \$1,626,438****Total Project Cost: \$3,258,750**

The Winters Creek Canal Company, in Scotts Bluff County, Nebraska will install two automated headgates, two radial gates, and a Supervisory Control and Data Acquisition system. The project is expected to result in annual water savings of 9,528 acre-feet that is currently lost to spills. The conserved water will remain in the system, helping to alleviate shortages during drought, and will help reduce water diversions from the North Platte River.

**Oregon****Sprague Hydro LLC, Sprague Hydroelectric Rehabilitation****Reclamation Funding: \$412,500****Total Project Cost: \$825,000**

Sprague Hydro LLC, in Lake County, Oregon, will restore a mothballed hydropower facility with an annual capacity of 1,230 kilowatts. The project includes upgrading the intake structure and installing a new filter to protect the turbine runners. The project will improve filtration and reduce sand intrusion into the penstock and turbine units, addressing erosion caused by recent fires in the area.

**Texas****East Rio Hondo Water Supply Corporation, Advanced Metering Infrastructure Project****Reclamation Funding: \$500,000****Total Project Cost: \$1,151,053**

The East Rio Hondo Water Supply Corporation, in Cameron County, Texas, will install 2,617 Advanced Metering Infrastructure meters with integrated acoustic leak detection capabilities. By providing daily water use data to customers, the project is expected to result in an estimated annual water savings of 288 acre-feet, currently lost to leaks. The conserved water will help alleviate the impacts of drought by reducing the demand on the already over-allocated Rio Grande River.

**Meadow Lake Water Control & Improvement District No. 1, Lake Meadow Dam Rehabilitation Project****Reclamation Funding: \$2,000,000****Total Project Cost: \$16,823,926**

The Meadow Lake Water Control & Improvement District No. 1, in Guadalupe County, Texas, will undertake various upgrades to the Lake Meadow Dam, including upgrading floodgates and spillway gates and improving gate foundation stability with concrete infill and anchors. The project will restore the original pool elevation to Meadow Lake, which is currently drained. In addition, the mothballed 2.48-megawatt hydro facility at Lake Meadow Dam will be brought back on-line. The project will generate approximately 5,541 megawatt-hours of energy annually, significantly improve recreational opportunities, and reduce the risk of flooding.

## Utah

### **Strawberry High Line Canal Company, Strawberry High Line Canal Lateral 34 Piping Project**

**Reclamation Funding: \$1,998,112**

**Total Project Cost: \$3,996,224**

The Strawberry High Line Canal Company, in southern Utah County, Utah, will convert approximately 20,000 feet of existing concrete-lined open-channel irrigation lateral into a pressurized high-density polyethylene pipeline, along with the installation of new turnout gates and flow meters to improve water delivery control. The project is expected to result in annual water savings of 2,250 acre-feet by reducing losses from seepage and evaporation. The conserved water will be used to enhance delivery efficiency and support sustained agricultural production within the Company's service area.

## Washington

### **Oroville-Tonasket Irrigation District, Water Valve Modernization Project**

**Reclamation Funding: \$492,800**

**Total Project Cost: \$985,600**

The Oroville-Tonasket Irrigation District, in Okanogan County, Washington, will replace 254 outdated water flow plates in the Cordell and Crater Lake water service areas with modern flow valves. The upgraded valves are expected to improve flow control, resulting in annual water savings of 2,671 acre-feet by, which is currently lost to seepage and leaks at each turnout. Conserved water will enhance river flows during late summer periods of critical low flow.

## Wyoming

### **Goshen Irrigation District, Lateral and Spill Automation Project**

**Reclamation Funding: \$1,177,692**

**Total Project Cost: \$2,355,384**

The Goshen Irrigation District, in Goshen County, Wyoming, will install eight automated gates and meter stations at four key locations that will be monitored remotely by an upgraded Supervisory Control and Data Acquisition system. The project is expected to result in annual water savings of 2,188 acre-feet that is currently lost to spills and seepage. Conserved water will remain in the canal to increase late season storage, vital for agricultural production in water-short years.

### **Kirby Ditch Irrigation District, Kirby Ditch Lower Reach Piping Project (Phase II)**

**Reclamation Funding: \$1,912,500**

**Total Project Cost: \$3,825,000**

The Kirby Ditch Irrigation District, in Hot Springs County, Wyoming, will convert 1.3 miles of the lower reach of the open earthen Kirby Ditch canal to buried pipe and install measurement devices at each turnout. The project is expected to result in annual water savings of 755 acre-feet, currently lost to seepage, evaporation, and spills along the canal. Conserved water will reduce the District's reliance on purchasing water from Boysen Reservoir during times of drought and shortages and ensure reliable water delivery along the lower reaches of the canal.