



FY 2024 WaterSMART Water and Energy Efficiency Grants

Arizona

Town of Marana, Advanced Metering Infrastructure Water Meter Replacement Program

Reclamation Funding: \$500,000

The Town of Marana, located in Pima County, will replace 2,543 residential water meters with advanced metering infrastructure capabilities with cellular endpoints and interface the new meters into a customer portal for improved efficiency and use patterns for easy data readout. The project is expected to result in annual water savings of 93 acre-feet that is currently lost to leaks and overuse. Water saved through this project will remain in the system and reduce groundwater pumping in the Tucson Active Management area that has been designated by the Arizona Department of Water Resources for active management of groundwater resources.

California

Bard Water District, Lining of the Reservation Main Canal - Phase 1

Reclamation Funding: \$500,000

The Bard Water District will concrete line 1,750 feet of the earthen Reservation Main Canal in West Imperial County and improve five turnouts and two check structures. The project is expected to result in annual water savings of approximately 421 acre-feet currently lost to seepage. Saved water will be available to other water users affected by shortages and drought.

Coachella Valley Water District, Coachella Valley Regional Conservation and Incentive Program, Inoperable Valve Replacement Project, and Meter Replacement Project

Reclamation Funding: \$5,000,000

The Coachella Valley Water District, in partnership with the Coachella Water Authority, Desert Water Agency, Mission Springs Water District and Indio Water Authority, will implement a regional program consisting of multiple components, including: 1) expanding an existing water conservation incentive program, which offers residents rebates to replace high-water consuming turf with low-water use desert friendly landscaping, and rebates to upgrade inefficient water-use devices such as toilets and washing machines; 2) providing opportunities to upgrade outdated or inefficient evaporative coolers with more energy-efficient models for commercial and residential customers; and 3) upgrading approximately 5,000 meters with automated meter infrastructure meters, allowing for enhanced leak detection and more accurate customer use data. This project is expected to result in a combined annual water savings of 924 acre-feet, alleviating strain on the region's groundwater basin.

Cordua Irrigation District, Main Canal Flow Control Structure Upgrade & Instrumentation Project

Reclamation Funding: \$3,253,862

The Cordua Irrigation District, located in Yuba County, will replace and retrofit flow control structures at 12 sites along the Cordua Main Canal. The sites will be equipped with a cloud-based Supervisory Control and Data Acquisition system, allowing for real-time data readings and remote operation of the flow control gates. The project is expected to result in annual water savings of 5,010 acre-feet through more precise and accurate flow control, reducing the need for groundwater pumping to meet system demands.

Firebaugh Canal Water District, 3rd Lift Canal Lining and Modernization Project - Fairfax to Brannon

Reclamation Funding: \$1,855,140

The Firebaugh Canal Water District, located in San Joaquin County, will concrete line 2.08 miles of the 3rd Lift Canal and construct a mid-channel 60 acre-feet storage reservoir adjacent to the lined section. The project is expected to result in annual water savings of 430 acre-feet currently being lost to a saline sink. In addition to conserving water, the project will reduce water delivery lag times, improving operational flexibility and sustainability in a drought-stricken region.

Fresno Irrigation District, SCADA Improvement Project

Reclamation Funding: \$498,650

The Fresno Irrigation District, located in Fresno County, will expand its Supervisory Control and Data Acquisition system by adding four flowmeters and equipping 55 existing flow telemetry sites with battery backups. The project will improve radio communications through the installation of ethernet radio to at least 19 sites across the district to improve data gathering frequency and stability. This will provide timely information about flows, allowing the district to better manage operations during storm and flood events, maximizing beneficial water use.

Fresno Irrigation District, Solar and Water Energy Efficiency Project

Reclamation Funding: \$4,164,073

The Fresno Irrigation District, located in Fresno County, California, will install five solar panel arrays to offset its non-renewable energy consumption, reduce operational costs, and increase operational flexibility. Four of the solar arrays will be located at recharge basins throughout the district and will provide power for the recovery of recharged groundwater during dry years. The fifth solar array will be located at a lift station utilized for transferring water between canals. In total, the five solar arrays will add over 3 megawatts of new renewable energy capacity.

Hallwood Irrigation Company, Flow Control Automation Upgrades

Reclamation Funding: \$442,300

The Hallwood Irrigation Company, located in Yuba County, will upgrade eight sluice gates with automated flow gates and install one automated overflow gate along the company's irrigation system. The project will also replace a headwall and check structure at one gate installation

location. The new gates will be equipped with solar-powered Supervisory Control and Data Acquisition hardware to enable remote operation and real-time flow data, increasing operational flexibility. Reliable water delivery will provide stability to irrigators and reduce the amount of water diverted from the Yuba River.

Hallwood Irrigation Company, Seepage Loss Prevention: Lining of Highway 20 Ditch Reclamation Funding: \$613,700

The Hallwood Irrigation Company, located in Yuba County, will line approximately 3,600 feet along the Highway 20 Ditch where 28% of the water is lost to seepage. The project is expected to result in annual water savings of 2,700 acre-feet, reducing the need to pump groundwater, and will improve the overall reliability of the water system in a region that experiences severe drought and highly variable wet weather seasons.

Hallwood Irrigation Company, Teichert Pipeline Project - Teichert Ditch Conversion into and Underground Pipeline Reclamation Funding: \$1,158,800

The Hallwood Irrigation Company, located in Yuba County, will install 8,500 linear feet of below-ground high-density polyethylene pipeline along an open-ditch to decrease water losses. The project is expected to result in annual water savings of 1,370 acre-feet, which is 24% of the ditch's total annual flow. Reliable water delivery will provide stability to irrigators and reduce water diverted from the nearby Yuba River.

Jurupa Community Services District, Advanced Metering Infrastructure Implementation Project

Reclamation Funding: \$5,000,000

The Jurupa Community Services District, located in Riverside County, will install 33,447 advanced metering infrastructure meters and associated network equipment across the district's service area, allowing for near real-time and remote data readings. The project is expected to result in annual water savings of 2,206 acre-feet through early leak detection and improved consumer use awareness, allowing for greater operational flexibility.

City of Long Beach Utilities Department, Direct Install Gardens (DIG) Program

Reclamation Funding: \$200,000

The City of Long Beach Utilities Department will convert approximately 20,000 square-feet of water-intensive turf into climate-resilient alternatives. The project is expected to result in annual water savings of approximately 3 acre-feet, lowering utilities bills for residents and decreasing imported water from the Colorado River Basin and the Sacramento-San Joaquin Bay-Delta.

Metropolitan Water District of Southern California, Residential Direct Install Program for Disadvantaged Communities

Reclamation Funding: \$1,750,000

The Metropolitan Water District of Southern California will install water and energy efficient appliances and hardware such as showerheads, toilets and irrigation controllers in

disadvantaged communities throughout the Los Angeles and San Diego regions at no cost to qualified participants in approximately 3,200 dwellings. The project is expected to result in annual water savings of 232 acre-feet resulting in lower water costs for affected residents. Water saved through a lower demand will reduce strain on the Lower Colorado system.

Metropolitan Water District of Southern California, Residential Direct Install Turf Replacement Program for Disadvantaged Communities

Reclamation Funding: \$250,000

The Metropolitan Water District of Southern California will convert up to 40 water-intensive turfgrass lawns into drought-tolerant alternatives in the greater Los Angeles and San Diego areas. The conversion will be provided at no cost to income-qualified homeowners and affordable housing properties in communities more prone to drought and climate change impacts. Each converted landscape will include a stormwater retention feature, an authorized plant, and conversion to high-efficiency irrigation systems such as drip irrigation. The project is expected to result in annual water savings of six acre-feet and will alleviate current stress on the Lower Colorado River Basin.

Monte Vista Water District, Advanced Meter Infrastructure Installation - Phase 4

Reclamation Funding: \$337,237

The Monte Vista Water District, located in San Bernardino County, will replace 1,400 manually read water meters with advanced metering infrastructure. By providing real-time data to customers and more precise monitoring of water consumption, the project is expected to result in annual water savings of approximately 262 acre-feet, currently lost to leaks. Conserved water will provide resiliency in the Chino Groundwater Basin through reducing groundwater use and reliance on imported water from the Sacramento-San Joaquin Delta.

North Kern Water Storage District, Calloway Canal Lining: Fruitvale Avenue to Case Street

Reclamation Funding: \$4,886,505

The North Kern Water Storage District, located in Kern County, will concrete line approximately 1.4 miles of the Calloway Canal. The project is expected to result in annual water savings of 2,788 acre-feet, currently lost through seepage. Water conserved through the project will improve water reliability and deliveries thus conserving groundwater in an over-drafted basin.

North Tahoe Public Utility District, Smart Water Meter Project

Reclamation Funding: \$500,000

The North Tahoe Public Utility District, located on the north shore of Lake Tahoe in Placer County, will install 2,815 modern advance metering infrastructure meters with cellular endpoints to replace aging and inefficient water meters. The new meters will give the district access to real-time data to improve operational efficiencies and sustainability by effectively monitoring water usage and detecting malfunctions. The project is expected to result in annual water savings of 140 acre-feet that will remain in Lake Tahoe.

Otay Water District, Advanced Metering Infrastructure Upgrade Project - Phase II
Reclamation Funding: \$500,000

The Otay Water District, located in San Diego County, will upgrade 3,749 water meters with advanced metering infrastructure capable meters in rural and urban communities across the district. The meters will provide real-time information about water use, allowing early leak detection to conserve water. The new meters will interface with the district's existing customer portal that provides customers with their water use information. The project is expected to result in annual water savings of 259 acre-feet through early leak detection and increased customer awareness. The conserved water will stay in the system allowing for other beneficial uses.

Pacheco Water District, Lateral 6 Modernization Project - Phase 1
Reclamation Funding: \$1,232,742

The Pacheco Water District, located in in the San Joaquin Valley, will replace 1.1 miles of the unlined, earthen Lateral 6 canal with buried pipeline. The project is expected to result in annual water savings of 114 acre-feet, currently lost to seepage. The reduced seepage into the groundwater will result in lower salt load discharge into the nearby Grassland Drainage Area, providing benefit to the Lower San Joaquin River Habitat.

Placer County Water Agency, 2024 Canal and Rebates Water Savings Program
Reclamation Funding: \$468,220

The Placer County Water Agency, located in Placer County, will improve operational efficiency of raw irrigation water conveyance infrastructure through installation of six automated canal headgates, integration of 16 automated control gates into the agency's existing Supervisory Control and Data Acquisition system and lining 770 linear feet of earthen canal segments to reduce water loss from seepage. The agency will also facilitate increases in customer water savings by expanding its rebate and water savings program, increasing the rebate amount on a variety of indoor and outdoor rebate offerings for residential and commercial customers, including high-efficiency toilets and lawn replacements. The combined project is expected to save 487 acre-feet of water annually.

Santa Clarita Valley Water Agency, Automated Metering Infrastructure (AMI) Project - Phase II

Reclamation Funding: \$3,768,840

The Santa Clarita Valley Water Agency, located in Los Angeles County, will replace over 15,500 meters with new automated metering infrastructure meters and integrate the meters into the agency's customer engagement portal. The new meters will provide real-time data readouts, allowing for quicker leak detection and providing customers with daily water use information. The project is expected to result in annual water savings of 1,324 acre-feet, allowing for improved operational flexibility, particularly during times of drought.

South Tahoe Public Utility District, AMI Meter Installation Project

Reclamation Funding: \$483,437

The South Tahoe Public Utility District, located in El Dorado County, will install 80 advanced metering infrastructure meters and meter transceiver units on water service connections for residential and multi-family customers. All meters will be connected to the district's existing advanced metering network and integrated with the WaterSmart customer portal. This will allow the district to educate and engage with customers on their water usage, leak detection, and incentives to increase water use efficiency. This project is expected to result in annual water savings of approximately 3 acre-feet, increasing available groundwater supplies to combat catastrophic wildfires and build resiliency to drought.

Southern California Gas Company, Los Angeles Multifamily Affordable Housing Direct Install Project

Reclamation Funding: \$1,997,371

The Southern California Gas Company, located in Los Angeles, will partner with the Los Angeles Department of Water and Power on a "Housing Direct Installation Program" at no-cost to participants. The project will install high-efficiency toilets, smart leak detection devices, weather-based irrigation controllers, turf replacement, low-flow showerheads, and other water saving devices to qualifying low-income residents. The project is expected to benefit 24,000 households and result in annual water savings of 789 acre-feet. Ninety percent of the Company's water is imported from the Colorado River and State Water Project, and the conserved water will remain in upstream reservoirs for future uses throughout the region.

City of Stockton, Advanced Meter Infrastructure and Meter Replacement - Phase I

Reclamation Funding: \$4,273,925

The City of Stockton, located in San Joaquin County, will replace 25,401 water meters with advanced metering infrastructure for residential, commercial, and irrigation customers, improving water management with real-time data, early leak detection, and remote data readouts. By replacing and retrofitting the City's outdated metering infrastructure, the project is expected to result in annual water savings of 1,003 acre-feet lost to system inefficiencies. These efficiencies will preserve water resources in the San Joaquin River Basin, resulting in a more reliable water supply for economically challenged communities in the project area.

Turlock Irrigation District, Floating Solar on TID Lateral 8 Regulating Reservoir Project

Reclamation Funding: \$5,000,000

The Turlock Irrigation District, located in the San Joaquin Valley, will install a floating solar photovoltaic energy generation system on the Lateral 8 Regulating Reservoir. The system will have two floating solar arrays with accompanying grid-interactive inverters. The solar facility's planned energy capacity will be rated to 4,000 kilowatts, for an estimated total annual energy generation of over 8,700,000 kilowatt-hours, powering the Lateral 8 pump station and bolstering the district's electrical grid, which serves residential and commercial customers. The project is expected to result in annual water savings of 110 acre-feet due to reduced evaporation.

**Ventura River Water District, Sustainable Power Array for Renewable Kilowatts Project
Reclamation Funding: \$500,000**

The Ventura River Water District, located in Ventura County, California, will install solar facilities at two of the district's pumping stations to increase energy efficiency in water management. The facilities are rated for a combined capacity of 414 kilowatts and will decrease the District's reliance on fossil fuels and contribute to its portfolio of renewable and sustainable water management practices. The project is expected to provide power for a majority of the district's energy demands.

**Westlands Water District, Westlands Advanced Metering Infrastructure Project -
Surface Water Meters**

Reclamation Funding: \$1,808,326

The Westlands Water District, located in the San Joaquin Valley, will expand its "Westlands' Advanced Metering Infrastructure Project" by installing and upgrading 1,603 meters along its distribution system. The project will install 150 Victaulic meters and convert 1,453 existing mechanical meters into digital meters with advanced metering capabilities. The 1,603 meters will be integrated into the district's advanced metering system, allowing for near real-time data availability. The project is expected to result in annual water savings of 4,345 acre-feet, currently lost to unidentified leaks and over deliveries. Conserved water will be used to offset groundwater pumping in a critically over-drafted groundwater basin, boosting water supply reliability in a drought prone area.

Westside Water Authority, Advanced Metering Project

Reclamation Funding: \$500,000

The Westside Water Authority, located in Kern County and Kings County, will replace 142 propeller flowmeters and 15 up-flow meters along existing canals and laterals with more accurate magnetic flow meters equipped with advanced metering infrastructure capabilities. The project is expected to result in annual water savings of 3,440 acre-feet, currently lost through seepage to a saline sink. The water conserved from this project will maintain the Authority's water management flexibilities and will decrease the Authority's need to purchase transfer water during droughts or other times of shortage.

Colorado

Bostwick Park Conservancy District, Shinn Park and Waterdog Pipelines Measurement Improvement and SCADA Integration Project

Reclamation Funding: \$1,951,470

The Bostwick Park Conservancy District, located in Montrose County, will automate turnouts and intake structures near and along the Shinn Park and Waterdog Laterals, install measurement equipment, and integrate the Shinn Park and Waterdog Laterals into the district's communication and Supervisory Control and Data Acquisition system. These system improvements are expected to result in annual water savings of 256 acre-feet, by improving the accuracy of water deliveries and automatically adjusting spill gates along the canal.

Town of Cheraw, Smart Meter Installation for Water Consolidation Project

Reclamation Funding: \$789,500

The Town of Cheraw, located in Otero County, will install 286 smart water meters across the town and four nearby communities, allowing the town to better quantify water use, identify leaks, and improve customer water use patterns. The project is expected to result in annual water savings of approximately 20 acre-feet, reducing the need for groundwater pumping, protecting the local aquifer.

High Desert Conservation District, Lower Wilson Ditch Piping Project

Reclamation Funding: \$1,679,016

The High Desert Conservation District, located in Montezuma County, in partnership with the Lower Wilson Ditch Association, will pipe a 1.6-mile section of the Lower Wilson Ditch, an earthen irrigation ditch that serves 48 member-irrigators. The project will address seepage, surface water evaporation, and evapotranspiration losses related to the weed growth in the existing ditch, and is expected to result in annual water savings of 270 acre-feet. The project will increase the efficiency of water deliveries during the irrigation season and mitigate risks of ditch failures. The conserved water will remain in the Colorado River system for other uses.

Water Supply and Storage Company, Larimer County Canal Automation and Efficiency Project

Reclamation Funding: \$1,200,000

The Water Supply and Storage Company, located in Larimer County, will install three Supervisory Control and Data Acquisition-controlled check structures within the Larimer County Canal to optimize water deliveries to its agricultural users. The project is expected to result in annual water savings of 1,137 acre-feet, which is currently lost to seepage and over deliveries. The project will increase agricultural water use efficiency; boosting surface water supplies for nearby municipalities that rely on the same source.

Idaho

City of Idaho Falls, Conserving Water Through Innovation: Installing Commercial Water Meters in Idaho Falls

Reclamation Funding: \$1,250,000

The City of Idaho Falls, located in Bonneville County, will install 250 water meters at commercial properties to measure potable water use. Installing meters will allow the city to implement a billing structure that will charge according to use and incentivize consumers to be more water efficient. The installation of meters will also allow for early leak detection within the system. The project is expected to result in annual water savings of 595 acre-feet, which will help reduce groundwater pumping.

Moore Canal Water Users Association, Piping Project: Phase II

Reclamation Funding: \$1,601,280

The Moore Canal Water Users Association, located in Butte County, will convert ten miles of earthen canals and laterals to high-density polyethylene pipeline. The project is expected to result in annual water savings of 5,793 acre-feet by reducing seepage, increasing efficiency, and preventing wastewater flowing out of the system. Conserved water will be used to reduce groundwater pumping in an area with significant aquifer depletion.

Salmon River Canal Company, Open Channel Pipeline Conversion Project

Reclamation Funding: \$250,000

The Salmon River Canal Company, located in Twin Falls County, will pipe 9,790 linear feet of an earthen canal and replace ten electric power pumps with a gravity pressure system for irrigation. The project is expected to result in annual water savings of 540 acre-feet, currently lost to evaporation and seepage and will increase the energy efficiency of the irrigation system. These efficiencies will decrease demand on the upstream Salmon Falls Dam, supporting recreation and fish populations in the area. The project will also benefit farmers by allowing the company to deliver water later in the growing season, which is critical during increasingly frequent and longer dry years in Southern Idaho.

Sunnydell Irrigation District, Canal Water Efficiency Improvement Project

Reclamation Funding: \$4,139,584

The Sunnydell Irrigation District, located in Madison County, will line 6.7 miles of an earthen irrigation canal with high-density polyethylene pipeline, and upgrade manual headgates to solar-powered electric headgates with water measurement devices. These improvements will decrease seepage, increase delivery efficiency, eliminate excess spills and optimize flow rates. The project is expected to result in annual water savings of 6,057 acre-feet. Conserved water will provide stability to local irrigators, increase operational flexibility, and allow the district to employ conservation strategies identified in the Idaho Drought Plan to enhance flows in the Upper Snake River Basin.

Kansas

Southwest Kansas Groundwater Management District #3, Conversion of Irrigation Canal to Pipe on the South Side Ditch

Reclamation Funding: \$500,000

The Southwest Kansas Groundwater Management District #3, located in Kearny County, will convert 59,100 linear feet of earthen canal to pipeline. The project is expected to result in annual water savings of 543 acre-feet, which will remain in the main stem of the South Side Ditch system. The project will improve water use efficiency and eliminate infiltration and evaporation losses.

Montana

Paradise Valley Irrigation District, Hillside Ditch Lateral to Pipeline Conversion Project

Reclamation Funding: \$290,306

The Paradise Valley Irrigation District, located in Blaine County, will convert the remaining one

mile of the Hillside Ditch, an open irrigation canal, to a buried pipeline. The conversion is expected to result in annual water savings of 2,275 acre-feet, currently lost to seepage. Conserved water will be stored in the Fresno Reservoir for late season irrigation needs or during drought-driven water shortages.

Pondera County Canal and Reservoir Company, Birch Creek Diversion Automation Project

Reclamation Funding: \$226,323

The Pondera County Canal and Reservoir Company, located in Pondera County, will automate the Birch Creek Diversion by installing a Supervisory Control and Data Acquisition system and flow measurement devices at several strategic points throughout the irrigation system. The project will allow the company to more accurately monitor irrigation flows, thereby increasing the ability to effectively manage downstream deliveries. The project is expected to result in annual water savings of 2,975 acre-feet, currently lost to system inefficiencies. The project will help keep water in the upstream Birch Creek Reservoir, fortifying the region's resilience to severe drought conditions.

Nebraska

Castle Rock Irrigation District, North Platte River Diversion Infrastructure Project

Reclamation Funding: \$1,401,460

The Castle Rock Irrigation District, located in Scotts Bluff County, will construct a new headgate and diversion structure along the Castle Rock Canal and install automated control capabilities. Improving this critical piece of infrastructure will stabilize flows, improving water delivery for downstream irrigators and municipal consumers. The improved water delivery from this project will also complement existing and future Natural Resources Conservation Service projects in the area by allowing for the conversion from gravity irrigation to center pivot irrigation. The project is expected to result in annual water savings of 1,335 acre-feet by preventing system spills, which will reduce water related conflicts by leaving more water in the system.

Central Platte Natural Resources District, Cozad Ditch and Southside Irrigation District Canal Automation and Efficiency Project

Reclamation Funding: \$356,823

The Central Platte Natural Resources District, located in Hall County, in partnership with the Cozad Ditch Company and Southside Irrigation District, will replace 11 existing outdated manual headgates along two canals that divert irrigation water from the Platte River with automated turnout gates coupled with a Supervisory Control and Data Acquisition system. The project also includes installation of two additional automated turnout gates to better control flow. The project is expected to result in annual water savings of 5,140 acre-feet, currently lost to leakage and over-delivery at the canal gates due to operational inefficiencies such as manual gate operation. Conserved water will remain in the Platte River for recreational use, water supply, and other beneficial uses.

Central Platte Natural Resources District, Flowmeter, Telemetry, and Data Management System

Reclamation Funding: \$291,126

The Central Platte Natural Resources District, located in Hall County, in partnership with the Nebraska Department of Natural Resources, will install telemetry-enabled irrigation flow meters to autonomously measure, report, and analyze daily groundwater pumping data at 100 wells in an area of groundwater decline. The project is expected to result in annual water savings of 1,162 acre-feet by reducing overirrigation, which either evaporates or contaminates surface and groundwater with fertilizers and pesticides. Conserved water will remain in the local aquifer. The project area also integrates the greater Platte River Recovery and Implementation Plan, aligning increased streamflow from water savings with conservation plans and greater hydrologic health across three states.

Chimney Rock Irrigation District, Diversion Structure Replacement and Canal Automation Project

Reclamation Funding: \$1,330,790

The Chimney Rock Irrigation District, located in Scotts Bluff County, will modernize infrastructure on the North Platte River diversion structure and improve the Chimney Rock Canal's water delivery efficiencies by updating both the headgate and spillway structures. The project will allow the district to reduce diversions, which is expected to result in annual water savings of 3,748 acre-feet. Conserved water will remain in the North Platte River, helping to avoid over-appropriation.

Lower Loup Natural Resources District, Irrigation Water Conservation and Management for Drought Zones

Reclamation Funding: \$351,924

The Lower Loup Natural Resources District, in central Nebraska, will develop a cost-share program for landowners and irrigators in the service area to coordinate the installation of 200 flow meters on irrigation wells. The district will also install two solar-powered weather stations in targeted areas of severe drought concern to better measure environmental conditions and estimate rainfall. The project will provide irrigators with enhanced water use forecasting data, leading to more precise irrigation timing and reduced water application inefficiencies. The project is expected to result in annual water savings of 207 acre-feet, which will reduce groundwater pumping, conserving water in the local aquifer.

Lower Republican Natural Resources District, Irrigation Water Conservation for the Upland Area of the Republican River using Remote Meter Reading Technology

Reclamation Funding: \$4,333,250

The Lower Republican Natural Resources District, located in Harlan County, will install weather stations and 1,800 irrigation flow meters with telemetry to collect and broadcast real-time data that will help irrigators better schedule irrigation water events. More precise irrigation scheduling will result in decreased groundwater pumping, which will also reduce energy demand. The project is expected to result in annual water savings of 8,790 acre-feet. Conserved

water will remain in the local aquifer to maintain groundwater levels for other beneficial uses and improve baseflow for surface water uses in the Republican River Basin.

Nebraska Public Power District, Dawson County Canal River Gates Upgrade and Automation Project

Reclamation Funding: \$329,046

The Nebraska Public Power District will upgrade two existing manual river gates located on the Dawson County Canal with new automated gates that will integrate with the district's existing Supervisory Control and Data Acquisition system. The automated gates are located at a critical diversion point, allowing for greater efficiency in water management across the district's entire system. These operational efficiencies are expected to result in annual water savings of 714 acre-feet, currently lost to leaks, mistimed diversions, and missed opportunities to better manage excess flows. Conserved water will remain in the canal, providing more water to power the districts' two hydropower plants, adding 162,033 kilowatt hours of renewable energy annually.

Whitney Irrigation District, Phase I and II White River Infrastructure Rehabilitation and Modernization Project

Reclamation Funding: \$1,302,138

The Whitney Irrigation District, located in Dawes County, will improve existing irrigation infrastructure at nine sites across the district, including the Whitney Reservoir, Baldwin Reservoir, White River, and Big Cottonwood Creek. The project will address problems such as canal seepage, inaccurate flow measurement, and loss from leakage by replacing gates, pipes, and outlet works. The project is expected to result in annual water savings of approximately 2,306 acre-feet, which will increase flows into the Whitney and Baldwin Reservoirs, reducing the need to divert water during the non-irrigation season to fill the reservoirs.

Nevada

Truckee-Carson Irrigation District, Lahontan Dam Tower Rehabilitation and Water Conservation Project

Reclamation Funding: \$2,192,857

The Truckee-Carson Irrigation District, located in Churchill County, will upgrade six gates on the upstream side of the Lahontan Dam outlet tower along with six stems and related operational components. This project is expected to result in annual water savings of 2,400 acre-feet, currently lost to gate leakage during the non-irrigation season. These improvements will help with overall system reliability in an area with declining snowpack.

Texas

Cameron County Irrigation District No. 2, Conversion of Lateral C-2 from Open Canal to a Pipeline

Reclamation Funding: \$438,455

The Cameron County Irrigation District No. 2, located in Cameron County, will convert 4,713

linear feet of unlined open canal in a segment of Lateral C-2 to a buried polyvinyl chloride pipeline. The project is expected to result in annual water savings of 280 acre-feet that is currently lost to evaporation and seepage. Conserved water will decrease the amount of water pumped from the Rio Grande, leaving more water for habitat, including a U.S. Fish and Wildlife Service refuge.

Cameron County Irrigation District C-15, Conversion of Lateral 15 from Open Canal to a Pipeline

Reclamation Funding: \$498,783

The Cameron County Irrigation District C-15, located in Cameron County, will convert 5,207 linear feet of unlined open canal in a segment of Lateral 15 to a buried polyvinyl chloride pipeline. The project is expected to result in annual water savings of 390 acre-feet, currently lost to evaporation and seepage. Conserved water will decrease the amount of water pumped from the Rio Grande, leaving more water for habitat, including a U.S. Fish and Wildlife Service refuge.

El Paso County Water Control and Improvement District #4, Advanced Metering Infrastructure (AMI) Project - Phase II

Reclamation Funding: \$199,967

The El Paso County Water Control and Improvement District #4, located in El Paso County, will upgrade 360 municipal meters for compatibility with advanced metering infrastructure technology. The project is the second phase of the district's meter modernization effort and is a recommended Water Management Strategy in the 2025 Region E Far West Texas Water Plan. The project is expected to result in annual water savings of 5 acre-feet by providing near real-time accurate water use information and improving the district's ability to conduct water distribution system preventative maintenance. Water conserved through this project will enhance water access for communities within the project area and recharge the nearby Hueco Bolson aquifer.

El Paso Water Utilities Public Service Board, Renewable Energy Installation at the Fred Hervey Water Reclamation Plant

Reclamation Funding: \$4,868,512

The El Paso Water Utilities Public Service Board, located in El Paso County, will install a 4.35-megawatt solar array to offset current energy use at the Fred Hervey Water Reclamation Plant. The Fred Hervey Water Reclamation Plant uses tertiary treatment to produce reclaimed water at drinking water quality level. This reclaimed water replenishes the Hueco Bolson aquifer, as well as supplies the El Paso Electric Company, the Painted Dunes Golf Course, the City of El Paso's Northeast Regional Park, Bowen Ranch, and several construction contractors. The project is expected to result in annual water savings of 298 acre-feet, which would have otherwise been lost to fossil-fuel based energy generation to power the plant.

Hidalgo County Irrigation District No. 2, River Pumping Plant Headwall, Feeder Canal, and Discharge Pipes Improvements project

Reclamation Funding: \$2,000,000

The Hidalgo County Irrigation District No. 2, located in the Lower Rio Grande Valley, will construct infrastructure and efficiency improvements to a feeder canal, discharge pipes, and a pumping plant. The project involves the construction of reinforced isolation bays on the headwall and feeder canal, and replacement of the pump discharge pipes with ductile iron pipe and rubber check valves to eliminate backflow and improve system efficiency. The project is expected to result in annual water savings of 1,233 acre-feet, currently lost to feeder canal backflows through leaks and holes in the discharge pipes. Conserved water will remain in the Lower Rio Grande Basin, improving ecological health and assisting in interstate water compacts between the United States and Mexico.

**United Irrigation District, Canal Automation and Metering
Reclamation Funding: \$850,000**

The United Irrigation District, located in Hidalgo County, will install seven flow control and metering gates and four flow control gates on the Bryan Canal that provides water to the cities of Mission and McAllen, Texas, and the Sharyland Water Corporation. These entities cumulatively provide a population of approximately 300,000 with potable water. The project is expected to result in annual water savings of 1,537 acre-feet through improved accuracy and control of water flows. Conserved water will remain in the Falcon and Amistad Reservoirs for eventual allocation to other users in the Rio Grande System, alleviating pressure on the over-allocated water resource shared with Mexico.

Utah

**Annabella Irrigation Canal Company, Pipeline Improvement Project
Reclamation Funding: \$500,000**

The Annabella Irrigation Canal Company, located in Sevier County, will enclose 4,250 feet of the open unlined Annabella Canal with various sized high-density polyethylene pipe. The project is expected to result in annual water savings of 1,008 acre-feet, currently lost to seepage, and will improve public safety by eliminating sections of open canal through the City of Annabella. Conserved water will help to avoid the need for water rationing later in the growing season.

**Duchesne County Water Conservancy District, Farm Creek Canal Rehabilitation
Reclamation Funding: \$2,000,000**

The Duchesne County Water Conservancy District, located in Duchesne County, Utah, in partnership with the Farm Creek Irrigation Company, will convert three miles of earthen canal to high-density polyethylene pipe. The project is expected to result in annual water savings of 1,853 acre-feet, currently lost to seepage and evaporation. This project will improve water supply reliability, decrease diversions from the Duchesne River, and help avoid shortened irrigation seasons in a drought-prone region.

Duchesne County Water Conservancy District, Water Efficiency Project - Phase 3

Reclamation Funding: \$1,670,500

The Duchesne County Water Conservancy District, located in Duchesne County, in association with the Uintah Indian Irrigation Project, the Uintah Irrigation Company, and the Uintah Independent Ditch Company, will undertake a project that includes three separate components: 1) the Eastern Duchesne projects pipeline metering component will install 55 magnetic flow meters on the Arcadia Farms Pipeline and 97 magnetic flow meters on the Class B Pipeline; 2) the water efficiency and control component will construct a new regulation structure and upgrade an existing concrete overflow structure at the beginning of the North Pipeline; and 3) the Independent diversion and ditch improvements component will construct a new heading structure and line a one-mile section of the Uintah Independent Ditch with geo-composite and concrete. In total, the project is expected to result in annual water savings of 2,392 acre-feet through more efficient water use and reduced leakage. A significant portion of conserved water will benefit farmers in the Ute Indian Tribe and surrounding communities by helping to avoid reductions in times of shortage.

Town of Garden City, Garden City, Hodges, and Swan Creek Irrigation Canal Piping Project

Reclamation Funding: \$1,132,157

The Town of Garden City, located in Rich County, in partnership with the Hodges Irrigation Company and the Swan Creek Irrigation Company, will convert approximately 3,600 linear feet of an earthen canal to high-density polyethylene pipeline and construct a splitter structure and two concrete measuring flumes. The existing canal currently operates at 60% efficiency and failed twice in recent years. By converting the canal to pipeline and controlling the direction of flow, the project will reduce inefficiencies, which is expected to result in annual water savings of 555 acre-feet. The project also includes a 11.6-kilowatt solar array at the Garden City Public Works Building that will be used to offset energy demands from pumping drinking water to the City, generating approximately 14,010 kilowatt-hours annually.

Moon Lake Water Users Association, 2024 Canal Rehabilitation Project

Reclamation Funding: \$1,610,500

The Moon Lake Water Users Association, located in Duchesne County, in partnership with the Farnsworth Canal Company and Dry Gulch Irrigation Company, will convert 15,685 linear feet of existing earthen canals to high-density polyethylene pipe. The project also includes lining 9,725 linear feet of additional canals with concrete and installing an impermeable liner. The lined sections of the canals will also include installation of flow measurement flumes, stilling wells with telemetry capability for solar-powered dataloggers, and Supervisory Control Automation Data Acquisition systems. The project is expected to result in annual water savings of 4,103 acre-feet, currently lost to seepage. Conserved water will remain in the Lake Fork River.

North Creek Irrigation Company, Canal Piping and Hydro Project

Reclamation Funding: \$3,088,260

The North Creek Irrigation Company, located in Sanpete County, will install 38,655 linear feet of various sized high-density polyethylene pipe. The project also includes installation of two

hydroelectric units which are expected to generate 198,000 kilowatt-hours annually. The project is expected to result in annual water savings of 1,611 acre-feet currently lost to seepage, which will remain in North Creek River and San Pitch River. The improved water delivery infrastructure from this project will complement existing and future Natural Resources Conservation Service projects with on farm efficiency improvements by eliminating flood irrigation and implementing sprinkler or drip irrigation.

Smithfield Irrigation Company, Irrigation System Improvements 2024

Reclamation Funding: \$1,485,900

The Smithfield Irrigation Company, located in Cache County, will upgrade four diversion structures with a new irrigation screen and improved irrigation control gates. The project also includes replacing a section of a steep open water supply canal with 1,500 linear feet of 24-inch polyvinyl chloride pressurized pipe. The existing diversion structures allow for significant buildup of debris within the system, resulting in higher water pressures and overwatering. Upgrading the diversion structures will result in reduced seepage along the open water supply canal, which is expected to result in annual water savings of 854 acre-feet, which will ensure a more reliable water supply as drought conditions in the area worsen. The project will also allow for a pump station to be taken offline, resulting in a more energy-efficient system.

Uintah Basin Irrigation Company, Water Efficiency & Control Project

Reclamation Funding: \$450,000

The Uintah Basin Irrigation Company, located in Duchesne County, will construct a 22-foot-tall earthen embankment dam within an existing wasteway channel to collect and recover spillage from a pressure break structure. The project is expected to result in annual water savings of 552 acre-feet, currently lost to spillage into the wasteway channel. Conserved water will support water reliability in an agricultural community suffering from two decades of drought.

Uintah Water Conservancy District, 2024 Water Control & Metering Project

Reclamation Funding: \$1,053,900

The Uintah Water Conservancy District, located in Uintah County, will reconstruct an existing diversion structure, pipe an open channel canal, and install flow meters along an existing pipeline, contributing to ongoing water management improvements in the area. The project is expected to result in annual water savings of 2,563 acre-feet, currently lost to seepage and over application. Conserved water will increase water security for entities and customers within the project area, including the Ute Tribe and provide more consistent flows for threatened and endangered species in the Green River.

Wellsville-Mendon Conservation District, Wellsville-Mendon Upper Canal Pipeline

Reclamation Funding: \$1,714,970

The Wellsville-Mendon Conservation District, located in Cache County, will convert 2.1 miles of the Upper Canal from an open canal to pipe. The project also includes the installation of 30 flow meters and a booster pump station. By eliminating water losses from seepage, evaporation, and

spillage, the project is expected to result in annual water savings of 915 acre-feet. Conserved water will remain in the Hyrum Reservoir, providing flexibility and resiliency in the face of drought and climate change.

**West Cache Irrigation Company, West Cache Irrigation System Optimization Project
Reclamation Funding: \$1,724,100**

The West Cache Irrigation Company, located in Cache County, will install telemetry, Supervisory Control and Data Acquisition systems and measuring devices at key points along the West Cache Canal. The project will replace all existing manual spillway structures with automated gates and install variable frequency drives at the Cornish Pump Station, providing more control over the amount of water delivered. This project will enable remote control of the flow rate through the canal, preventing spills and increasing operational efficiencies. The project is expected to result in annual water savings of 1,124 acre-feet. Conserved water will provide increased water supply reliability for local farmers and improve safety by eliminating the frequent travel along unsafe maintenance roads.

Wyoming

**Hanover Irrigation District, Big Horn River Flume
Reclamation Funding: \$1,700,000**

The Hanover Irrigation District, located in Worland, will install a 440-foot flume pipe to transport water over the Bighorn River to replace the existing flume structure. The district will also install diversion and control structures to control the diversion to the Bluff & Upper Bluff Irrigation District Canal and automate flows crossing the Bighorn River. This project is expected to result in annual water savings of 1,475 acre-feet by eliminating leakage from the existing flume and spillover from the Bluff & Upper Bluff Canal System. Conserved water will remain in the Bighorn River, supporting Wyoming in meeting interstate compacts.

**Sidon Irrigation District, Westend Lateral Project
Reclamation Funding: \$863,000**

The Sidon Irrigation District, located in Big Horn County, will convert an unlined, open channel lateral system to approximately 33,000 feet of various sized polyvinyl chloride pipe, and install seven solar-powered ultrasonic flowmeters. The project is expected to result in annual water savings of 10,349 acre-feet that is currently lost to seepage and evaporation. The project will decrease vehicle emissions from less driving, promote the installation of sprinkler pivots due to the pressurization of the laterals, and leave more water in the Shoshone River for use by downstream users.