2018 Water and Energy Efficiency Grants
WaterSMART

California

City of Bakersfield, Supervisory Control and Data Acquisition and Automation Project
Reclamation Funding: $743,300 **Total Project Cost: $1,664,992**

The City of Bakersfield will install monitoring devices with telemetry at 20 locations along the Kern River and a Supervisory Control and Data Acquisition system to accurately and remotely measure Kern River water diversions. The project is expected to result in an annual water savings of 4,592 acre-feet through improved measurements and reduction in over-deliveries and spills. The water conserved as a result of this project will be used to replenish the local groundwater, make more water available to users, and may help to reduce water-related conflict in the area.

Contra Costa Water District, Lawn to Garden Rebate Program
Reclamation Funding: $300,000 **Total Project Cost: $802,000**

The Contra Costa Water District, located near San Francisco, California, will implement a rebate program for residential customers to replace water intensive lawns with water-wise landscaping. The project is expected to replace approximately 800,000 square feet of water intensive turf, resulting in an annual water savings of 81 acre-feet. Water conserved through this project will reduce the amount of water drawn out of the Sacramento-San Joaquin Delta.

La Habra Utility Authority, Advanced Metering Infrastructure Project
Reclamation Funding: $300,000 **Total Project Cost: $1,607,306**

The La Habra Utility Authority in Orange County, California, will install 5,001 automated water meters with digital registers to allow for real-time access to current water consumption data and historical water usage data. The project will allow for more timely leak detection and improved water use efficiency through customer outreach and data access. The project is expected to result in water savings of 462 acre-feet annually and will reduce the Utility's dependence on imported water supplies.

Los Angeles County Waterworks District No. 40, Advanced Metering Infrastructure Project
Reclamation Funding: $1,000,000 **Total Project Cost: $14,140,665**

The Los Angeles County Waterworks District No. 40 will upgrade 18,000 residential and commercial meters to advanced metering infrastructure. Additionally, the District will install data collection devices and software to analyze meter data in real-time. This project will enable the District and customers to monitor water usage and better identify inefficiencies. Once completed, the project is expected to result in annual water savings of 2,133 acre-feet, which will reduce the District's reliance on groundwater withdrawals and imported water.

Los Angeles County Waterworks District No. 29, Advanced Metering Infrastructure Project
Reclamation Funding: $1,000,000 Total Project Cost: $6,022,825

The Los Angeles County Waterworks District No. 29, will convert 7,641 analog meters to smart meters with advanced metering infrastructure. The District will also install data collection devices and software to analyze meter data in real-time. The new meters and software will enable customers to monitor water usage and better identify inefficiencies. The project is expected to result in annual water savings of 1,102 acre-feet per year, which will reduce the District's reliance on groundwater withdrawals and on imported water.

Merced Irrigation District, Bear Creek Water Regulating Reservoir
Reclamation Funding: $1,000,000 Total Project Cost: $4,194,849

The Merced Irrigation District, located south of Sacramento, California, will construct an off-stream regulating reservoir in order to better control its obligated water deliveries from Bear Creek. The project is expected to save 5,300 acre-feet of water annually by reducing over-deliveries and spills, which will allow more water to remain in storage and improve water supply reliability.

Moulton Niguel Water District, Advanced Meter Infrastructure Implementation Program (Phase II)
Reclamation Funding: $300,000 Total Project Cost: $648,484

The Moulton Niguel Water District, located near Los Angeles, California, will install radio transmitters at 4,851 existing commercial, multi-family, and fire protection meters, in order to convert them to automated meters. The automated meters will allow the District to preemptively identify and address service leaks, improve operations through demand-side time-of-use management, and support a customer portal for monitoring water usage and promoting behavioral changes to optimize consumption. The project is expected to conserve 505 acre-feet of water annually, which will offset the District's reliance on imported water.

Municipal Water District of Orange County, Water Efficient Landscape Transformation Program
Reclamation Funding: $299,342 Total Project Cost: $2,539,771

The Municipal Water District of Orange County will offer rebates to residential and commercial customers to convert from water-intensive outdoor landscaping to California native/friendly landscapes and install high-efficiency irrigation equipment. The program will provide incentives to replace approximately 370,000 square feet of turf, upgrade 1850 flow controllers, and replace 37,500 landscape irrigation nozzles. The project is expected to result in annual water savings of 1,057 acre-feet, which will reduce the District's reliance on imported water.

North San Joaquin Water Conservation District, South Pump Station Automation Project
Reclamation Funding: $300,000 Total Project Cost: $746,700

The North San Joaquin Water Conservation District, located near Sacramento, California, will install meters, automated flow control equipment, and a programmable logic controller at the District's South Pump Station. The project is expected to conserve 1,000 acre-feet annually that is currently lost due to spills and unnecessary bypasses back to the river. The project will reduce demands on groundwater pumping and conserved water will be made available to existing users.

City of San Diego, Advanced Metering Infrastructure Project
Reclamation Funding: $1,000,000 Total Project Cost: $67,568,898

The City of San Diego will implement an Advanced Metering Infrastructure (AMI) system, including the replacement of existing manual read meters with 270,000 new AMI meters on residential, commercial, and industrial customer connections. The project will provide water consumption data on a near-real time basis to City staff and customers. The project is expected to save 25,232 acre-feet of water annually, which will be made available to current users and help to reduce the City's demand for imported water.

San Gabriel Valley Municipal Water District, Regional Smart Meter AMR/AMI Project
Reclamation Funding: $300,000 Total Project Cost: $1,363,004

The San Gabriel Valley Municipal Water District, located near Los Angeles, California, will install Advanced Metering Infrastructure and Automatic Meter Reading technology at 2,975 residential, commercial, and landscape sites. The project will provide accurate, real-time meter reading capabilities and enhanced customer awareness, which will enable improved leak detection and identification of unusual water usage so that issues can be remedied faster. The project is expected to result in water savings of 166 acre-feet per year and will contribute to conservation of the region's limited water supplies and help improve local supply reliability.

Yucaipa Valley Water District, Advanced Metering Infrastructure Project
Reclamation Funding: $1,000,000 Total Project Cost: $3,697,764

The Yucaipa Valley Water District, in San Bernardino County, California, will install advanced metering infrastructure on 12,848 residential connections. The project will provide real-time data to enable customers to monitor water usage and better identify inefficiencies. The project is expected to result in an annual water savings of 1,335 acre-feet, which will be used to reduce the District's use of imported water. After completion of this project, 100% of the District's drinking water and recycled water connections will be equipped with advanced metering infrastructure.

Idaho

Henry's Fork Ground Water District, Irrigation Flow Measurement Project
Reclamation Funding: $300,000 Total Project Cost: $664,000

The Henry's Fork Ground Water District, located in eastern Idaho, along with the Madison Ground Water District, will install advanced water flow measurement devices on 86 groundwater wells. The project will allow for accurate measurements of groundwater withdrawals to better manage and stabilize aquifer depletion in the area. The project is expected to result in annual water savings of 4,348 acre-feet, which will reduce groundwater withdrawals and surface water usage and increase drought resiliency in the area.

Shoshone-Bannock Tribes, Michaud Unit Irrigation Water Efficiency Improvements
Reclamation Funding: $888,818 Total Project Cost: $1,786,818

The Shoshone-Bannock Tribes, near Pocatello, Idaho, will remove a 1,500-horsepower pump assembly on the Portneuf River and install a new Variable Frequency Drive pump. The project will also line 1 mile of earthen canal to reduce water losses due to seepage. This project is expected to result in water savings of 5,628 acre-feet per year which will increase tribal water storage and improve drought resiliency.

Kansas

Kansas Bostwick Irrigation District, Open Lateral Conversion to Buried Pipeline System
Reclamation Funding: $300,000 **Total Project Cost: $650,151**

The Kansas Bostwick Irrigation District, in northern Kansas, will convert 4.1 miles of open lateral canal into a buried pipeline system. The project is expected to conserve 724 acre-feet of water annually, which is currently lost to evaporation, seepage and operational spills. The water conserved will allow for reduced diversions from the Republican River.

Southwest Kansas Groundwater Management District No. 3, Installation of a SCADA System and Ditch Lining on the Farmers Ditch
Reclamation Funding: $300,000 **Total Project Cost: $1,612,148**

The Southwest Kansas Groundwater Management District No. 3, located in western Kansas, will install a new head gate with a Supervisory Control and Data Acquisition system and line 3 miles of earthen canal with water impervious clay. The project is expected to save 498 acre-feet of water per year, currently lost to seepage and over deliveries. The water conserved as a result of this project will offset the need to pump water from the Ogallala Aquifer.

Montana

Malta Irrigation District, Exeter Siphon Project
Reclamation Funding: $300,000 **Total Project Cost: $845,020**

The Malta Irrigation District, located on the Milk River in northern Montana, will replace the existing Exeter Siphon with a new, geosynthetic lined canal embankment across Exeter Creek. The project also includes the installation of a series of culverts to pass creek flows and storm runoff to protect the canal embankment, which will also help to restore the creek bed for wildlife habitat and recreation. A large debris collection system will also be installed as part of the project to reduce spills by preventing plugging of the culverts. The project is expected to result in annual water savings of 2,500 acre-feet, currently lost due to leakage and spills, and is expected to improve the quantity and quality of water in the Milk River.

Pondera County Canal and Reservoir Company, E Canal Regulating Reservoir Project
Reclamation Funding: $170,000 **Total Project Cost: $350,281**

The Pondera County Canal and Reservoir Company in northern Montana will construct an embankment dam across an existing canal to create a regulating reservoir. The project will provide short-term water storage and allow for more consistent downstream water delivery. The project is expected to conserve 1,191 acre-feet of water annually, currently lost to seepage in the E Canal. Conserved water will be used to meet existing demands.

Nebraska

Upper Republican Natural Resources District, Remote Water Metering and Conservation Project
Reclamation Funding: $300,000 **Total Project Cost: $768,844**

The Upper Republican Natural Resources District, located in northwestern Nebraska, will upgrade 1,018 flow meters with digital registers and radio modules to transmit water usage information and crop evapotranspiration rates via a radio network. This information will allow farmers in the area to better match irrigation volumes with actual crop needs. The project is expected to reduce irrigation water use in the area

by 6.2%, which is equivalent to 8,271 acre-feet per year. The conserved water will reduce groundwater withdrawals and surface water use in the area. A portion of the groundwater that will not be used for irrigation as a result of this project will be used to maintain in-stream flows.

Nevada

Mason Valley Conservation District, Campbell Canal Water Conservation Project
Reclamation Funding: $82,272 **Total Project Cost: $164,772**

The Mason Valley Conservation District, located near Reno, Nevada, will upgrade the gate structure at the junction of the East and West Campbell Canals, install data loggers for continuous flow monitoring and tracking, and install diversion gates controlled by a Supervisory Control and Data Acquisition and Automation system. The project is expected to result in water savings of 1,203 acre-feet annually that is currently lost to delivery inefficiencies. Water saved through the project will be available for downstream users and instream flows to benefit Walker Lake.

Southern Nevada Water Authority, Water Smart Landscapes Rebate Program
Reclamation Funding: $300,000 **Total Project Cost: $3,300,000**

The Southern Nevada Water Authority in Las Vegas, Nevada, will expand its landscape rebate program, which provides a financial incentive for residential property owners to replace turf with water efficient landscaping. The project is expected to result in the replacement of approximately 1,833,333 square feet of turf, with an expected annual water savings of 225 acre-feet.

New Mexico

Elephant Butte Irrigation District, Picacho WHEN Project
Reclamation Funding: $998,182 **Total Project Cost: $2,028,394**

The Elephant Butte Irrigation District, located in Las Cruces, New Mexico, will convert two open channel laterals to 8,797 feet of pipe, install three new high-flow lift pumps, and install meters at the new piped laterals. The project is expected to conserve 2,362 acre-feet of water per year currently lost to seepage and evaporation. Conserved water will be used to improve water delivery reliability for irrigators in the area and will also reduce groundwater withdrawals.

Oregon

West Extension Irrigation District, Boardman East Piping and Pressurization Water Conservation Project
Reclamation Funding: $530,000 **Total Project Cost: $1,178,665**

The West Extension Irrigation District, on the Columbia River near Umatilla, Oregon, will convert 4.5 miles of open lateral to buried pipe, eliminate 1.5 miles of open lateral, and install three pump stations for metered, pressurized irrigation water delivery. The project is expected to result in annual water savings of 771 acre-feet, which is currently lost to seepage, evaporation, and operational losses. Conserved water will increase drought resiliency in the water system.

Texas

Cameron County Irrigation District No. 2, Conversion of Canal "F" from Open Canal to a Pipeline
Reclamation Funding: $299,785 **Total Project Cost: $666,188**

The Cameron County Irrigation District No. 2, will convert approximately 5,600 feet of unlined open canal in a segment of Canal "F" to buried 42-inch polyvinyl chloride pipeline. The project is expected to result in annual water savings of 815 acre-feet that is currently lost to seepage and evaporation.

Cameron County Irrigation District No. 2, Conversion of Lateral "C" from Open Canal to a Pipeline
Reclamation Funding: $299,543 **Total Project Cost: $665,650**

The Cameron County Irrigation District No. 2 will also convert approximately 5,700 feet of unlined open canal in a segment of Lateral "C" to buried 42-inch polyvinyl chloride pipeline. The project is expected to result in annual water savings of 575 acre-feet that is currently lost to seepage and evaporation.

Cameron County Irrigation District No. 2, Slip Gate Upgrades on Canals "J", "8", "C", "15", and "LI-1"
Reclamation Funding: $164,767 **Total Project Cost: $366,148**

The Cameron County Irrigation District No. 2, near Brownsville, Texas, will install automated slip-gates at five existing locations. The current wooden gates are manually operated and are experiencing failures which cause significant water loss. The project is expected to result in annual water savings of 2,050 acre-feet, which will reduce the amount of water pumped from the Rio Grande and improve drought resiliency in the area.

Delta Lake Irrigation District, A-20 Canal Conservation and Reliability Improvements
Reclamation Funding: $1,000,000 **Total Project Cost: $3,915,450**

The Delta Lake Irrigation District, near Brownsville, Texas, will convert the A-20 canal, a concrete-lined open channel canal, to 4.5 miles of pipeline. The District will also install a Supervisory Control and Data Acquisition system and replace system pumps with new variable frequency drive motors. The project is expected to result in annual water savings of 1,644 acre-feet, which is currently lost to seepage. The water conserved from this project will improve the water supply reliability for customers and improve habitat.

El Paso County Water Improvement District No. 1, Riverside Canal Lining Project
Reclamation Funding: $1,000,000 **Total Project Cost: $2,000,000**

The El Paso County Water Improvement District No. 1 will install 1.4 miles of fiber reinforced cement canal lining on an earthen-lined portion of the Riverside Canal to reduce seepage losses. The project is expected to save 2,639 acre-feet of water per year, which will be used to meet existing and future demands.

Hidalgo County Irrigation District No. 2, Lining of Lateral E Canal
Reclamation Funding: $1,000,000 **Total Project Cost: $7,040,831**

The Hidalgo County Irrigation District No. 2, near Brownsville, Texas, will line the existing Lateral E Canal with a synthetic geo-composite membrane covered with concrete. The project is expected to conserve approximately 1,110 acre-feet of water per year, currently lost to seepage and leaks. Conserved water will be made available to existing users.

Sharyland Water Supply Corporation, Treatment Plant Efficiency Improvements Project
Reclamation Funding: $300,000 **Total Project Cost: $2,891,392**

The Sharyland Water Supply Corporation near Brownsville, Texas, will install a Supervisory Control and Data Acquisition system, a new sludge dewatering system, and variable frequency drive motors on pumps at its Water Treatment Plant #1. These improvements will increase the water production efficiency of the plant, improve process flow control, and reduce spills and leaks at the plant. The project is expected to result in a water savings of 269 acre-feet per year, which will remain in the Rio Grande.

Utah

Ashley Central Irrigation Company, Canal Enclosure Phase I Project
Reclamation Funding: $300,000 **Total Project Cost: $674,390**

The Ashley Central Irrigation Company, located in eastern Utah, will replace 0.6 miles of open canal with approximately 3,000 feet of 36-inch and 34-inch high density polyethylene pipe and install a screen and overflow structure, user turnouts, and meters. The pipe will be buried within the existing canal easement which will be left open to become a future storm water facility for nearby communities. Once completed, this project is expected to save 980 acre-feet of water per year, which will be used to increase storage volumes in Steinaker Reservoir.

Ashley Central Irrigation Company, Canal Enclosure Phase II Project
Reclamation Funding: $300,000 **Total Project Cost: $703,860**

The Ashley Central Irrigation Company will also convert a portion of open canal to 4,000 feet of pressurized 32-inch and 34-inch high density polyethylene pipe and install user turnouts and meters. The project is expected to result in annual water savings of 1,302 acre-feet that is currently lost to seepage.

Ashley Central Irrigation Company, Canal Enclosure Phase III Project
Reclamation Funding: $300,000 **Total Project Cost: $723,340**

Lastly, the Ashley Central Irrigation Company will convert another 1-mile section of open canal to high density polyethylene pipe and install user turnouts and meters. The project is expected to result in annual water savings of 1,625 acre-feet that is currently lost to seepage.

Burns Bench Irrigation Company, Diversion and Piping Project
Reclamation Funding: $300,000 **Total Project Cost: $600,000**

The Burns Bench Irrigation Company, located in eastern Utah, will replace an existing irrigation pond with over 300 feet of pipe, which will deliver water to an existing inlet structure. The project also includes installation of a Supervisory Control and Data Acquisition system and a new diversion structure. The project is expected to result in a water savings of 3,208 acre-feet per year as a result of eliminating the use of the irrigation pond and conserving water that is currently lost to seepage and evaporation. The project will make the system more efficient, provide additional instream flows, and increase irrigation supply reliability.

City of Salem, Salem City Pressurized Irrigation Metering Project
Reclamation Funding: $300,000 **Total Project Cost: $2,432,600**

The City of Salem will install flow measurement devices with automated metering infrastructure for residential and commercial landscape irrigation connections. By installing automated water meters, the City will be able to monitor real-time flows in the system and more accurately bill each connection for the actual amount of water used. The project is expected to result in water savings of 460 acre-feet per year by reducing overwatering. Water saved through the project will eliminate the need for supplemental water from the Strawberry Valley Project.

Davis and Weber Counties Canal Company, Small Piping and Hydro Project
Reclamation Funding: $300,000 **Total Project Cost: $750,000**

The Davis and Weber Counties Canal Company, located near Salt Lake City, Utah, will convert 1,200 feet of existing, unlined earthen canal to pipe and replace 320 feet of leaking steel pipe with reinforced concrete pipe. The project is expected to conserve 523 acre-feet of water per year currently lost to seepage, evaporation, and evapotranspiration. Conserved water will be made available to existing users. The project also includes installation of a two-kilowatt hydropower unit, expected to generate approximately 8.2 megawatt-hours of power annually, which will be used to help meet the energy demands of the Company.

Davis and Weber Counties Canal Company, Secondary Water Metering and Small Hydro Project
Reclamation Funding: $300,000 **Total Project Cost: $750,000**

The Davis and Weber Counties Canal Company will also install 600 new water meters and a four-kilowatt hydropower unit within the Company's system. The project is expected to conserve 155 acre-feet of water annually, which is currently lost due to excessive consumption from non-metered consumers. Conserved water will be made available to existing users. The hydropower unit is expected to generate 3.6 megawatt-hours of power annually, which will serve Company loads.

Draper Irrigation Company (Water Pro), Pressure Irrigation Metering Project
Reclamation Funding: $1,000,000 **Total Project Cost: $4,134,924**

The Draper Irrigation Company, near Salt Lake City, Utah, will install 2,063 water meters on currently unmetered irrigation connections. The project will increase water conservation and water use efficiency by providing water consumption data to the Company and its customers and will also enable the Company to implement a tiered billing structure. The project is expected to result in water savings of 1,092 acre-feet per year, which will be supplied to existing users.

Duchesne County Water Conservancy District, Water Efficiency Project: Phase 2
Reclamation Funding: $238,000 **Total Project Cost: $595,000**

The Duchesne County Water Conservancy District, located in eastern Utah, will install telemetry, sensors, metering equipment, flumes, and weirs on diversions, canals, and laterals throughout the Duchesne County service area. By addressing over-delivery, seepage, and evaporation losses, the project is expected to save 3,907 acre-feet of water per year, which will be made available to existing users.

Little Cottonwood Brown Ditch Company, Brown Ditch Rehabilitation Project
Reclamation Funding: $1,000,000 **Total Project Cost: $2,526,300**

The Little Cottonwood Brown Ditch Company, near Salt Lake City, Utah, will improve the Little Cottonwood Brown Ditch System by replacing the existing diversion dam with two radial gates. The project will also replace 4.1 miles of open ditch and pipe with 2.7 miles of high density polyethylene pipe. The project is expected to save 2,020 acre-feet of water per year currently lost to spills. The conserved water will decrease the demand on the local groundwater resources and will be made available to meet existing demands.

Mapleton Irrigation District and Company, Hobble Creek Ditch Piping Project
Reclamation Funding: $300,000 **Total Project Cost: $1,220,000**
The Mapleton Irrigation District and Company, located near Provo, Utah, will replace 3 miles of existing open canals and a box culvert in Hobble Creek Canyon with a pressurized pipeline that will eliminate water losses due to seepage, evaporation, and ditch failure. The project is expected to result in annual water savings of 1,685 acre-feet which will be made available to existing users.

Peoa South Bench Canal and Irrigation Company, South Bench Piping and Small Hydro Project
Reclamation Funding: $1,000,000 **Total Project Cost: $2,145,730**

The Peoa South Bench Canal and Irrigation Company, near Salt Lake City, Utah, will replace the entire South Bench canal system with 19,760 feet of enclosed, pressurized pipe that is more efficient and has a less impactful alignment. The project also includes installation of a concrete screening structure, system meter, and 100-watt micro-hydropower unit. The project is expected to conserve 2,629 acre-feet of water annually that is currently lost to seepage, which will be made available to existing users. The hydropower unit is expected to generate approximately 588 kilowatt-hours of power each year, which will serve local canal operation power needs.

Provo River Water Users Association, Weber-Provo Diversion Metering Project
Reclamation Funding: $154,156 **Total Project Cost: $308,312**

The Provo River Water Users Association will add a piped bypass from the Weber-Provo diversion dam to the Weber River to allow for year-round control of flows in the river. Currently, during the winter, the diversion gate is frozen in place causing water to spill. The project also includes the installation of two magnetic meters housed in concrete vaults to provide accurate, real-time measurement of flows in the Upper Weber River. The project is expected to save 2,571 acre-feet of water per year by reducing spills and reducing over-deliveries, which will be made available to existing users and will help ensure that water rights, contracts, and instream flow needs are met.

Weber Basin Water Conservancy District, Woods Cross Small Secondary Water Metering and Hydro Project
Reclamation Funding: $300,000 **Total Project Cost: $750,000**

The Weber Basin Water Conservancy District, near Salt Lake City, Utah, will install 750 meters on residential landscape watering connections, providing real-time water usage data and outreach to customers. The project is expected to result in water savings of 300 acre-feet per year, which will reduce groundwater pumping and help meet future demands. The project also includes installation of a two-kilowatt hydropower unit, expected to generate approximately 8.7 megawatt-hours of power, annually which will be used to help meet the energy demands of the District.

West Cache Canal Company, Newton Lateral Piping Project
Reclamation Funding: $1,000,000 **Total Project Cost: $2,480,000**

The West Cache Canal Company, located in northern Utah, will replace 5.3 miles of earthen canal with a pressurized pipe and replace 23 small, inefficient pump stations with one centralized pump station. The project is expected to save 2,352 acre-feet of water per year currently lost to seepage. This project is expected to improve irrigation water quality and supply reliability which will allow for future conversion from flood irrigation to pivot irrigation in the service area.

Washington

Kennewick Irrigation District, Canal Lining Project
Reclamation Funding: $1,000,000 **Total Project Cost: $3,424,874**

The Kennewick Irrigation District, located near Yakima, Washington, will install 5.6 miles of high-density polyethylene geomembrane canal liner on their earthen main canals and diversions. The project is expected to result in annual water savings of 1,237 acre-feet currently lost to seepage. The conserved water will remain in the river system.

Kittitas Reclamation District, Water Conservation and Stream Supplementation
Reclamation Funding: $300,000 **Total Project Cost: $600,000**

The Kittitas Reclamation District, located near Yakima, Washington, will line approximately 1,600 feet of the South Branch Canal with an impermeable geotextile membrane and concrete. The project is expected to conserve 183 acre-feet of water per year, which is currently lost to seepage. The conserved water will provide benefits for fish and wildlife by helping to restore instream flows in over-appropriated or flow-impaired tributaries to the upper Yakima River.

Quincy-Columbia Basin Irrigation District, W53.1D & E Canal Lining
Reclamation Funding: $300,000 **Total Project Cost: $910,000**

The Quincy-Columbia Basin Irrigation District will line 8,422 feet of the currently unlined West Canal. The project is expected to save 855 acre-feet of water per year currently lost to seepage. The water saved will help meet the needs of rural and agricultural water users.

Wyoming

Eden Valley Irrigation and Drainage District, Eden Canal Lining Project
Reclamation Funding: $300,000 **Total Project Cost: $630,000**

The Eden Valley Irrigation and Drainage District, located in central Wyoming, will replace 1,100 linear feet of open canal with a polyvinyl chloride lining and shotcrete. The project is expected to result in annual water savings of 1,554 acre-feet that is currently lost to seepage. The conserved water will remain in the system to meet existing demands.

Hanover Irrigation District, Cottonwood Check and Spill Project
Reclamation Funding: $275,000 **Total Project Cost: $553,000**

The Hanover Irrigation District in northern Wyoming will improve the existing Cottonwood check and spill structure, which delivers water from the Boyson Reservoir, with a new upgraded check and spill structure. The project also includes measurement devices and controls to better manage flows. The project is

expected to result in annual water savings of 1,165 acre-feet that is currently lost to spills and seepage. Conserved water will be used to meet existing demands.

Heart Mountain Irrigation District, Rattlesnake Canal Liner Phase I Project
Reclamation Funding: $300,000 Total Project Cost: $900,005

The Heart Mountain Irrigation District, located in northern Wyoming, will improve an existing section of Rattlesnake Canal with 637 feet of new concrete lining. The project is expected to conserve 211 acre-feet of water that is currently being lost to seepage and spills. Water saved will be made available to existing users. The project also includes the installation of a two-kilowatt hydropower unit. The hydropower unit is expected to generate approximately 8.8 megawatt-hours of power each year, which will be used to power the Rattlesnake Canal screen and the Supervisory Control and Data Acquisition system.

Heart Mountain Irrigation District, Rattlesnake Canal Liner Phase II Project
Reclamation Funding: $300,000 Total Project Cost: $900,005

The Heart Mountain Irrigation District will also improve another section of Rattlesnake Canal with 637 feet of new concrete lining. The project is expected to conserve 211 acre-feet of water that is currently being lost to seepage and spills. The project also includes the installation of a two-kilowatt hydropower unit.

Heart Mountain Irrigation District, Rattlesnake Canal Liner Phase III Project
Reclamation Funding: $300,000 Total Project Cost: $900,005

Lastly, the Heart Mountain Irrigation District will improve an additional section of Rattlesnake Canal with 637 feet of new concrete lining. The project is expected to conserve 211 acre-feet of water that is currently being lost to seepage and spills. The project also includes the installation of a two-kilowatt hydropower unit.

Midvale Irrigation District, Pilot Butte 27.0 B and Wyoming 31.7 Laterals Piping Project
Reclamation Funding: $300,000 Total Project Cost: $1,381,232

The Midvale Irrigation District, located in central Wyoming, will convert 2.5 miles of open ditch and concrete lined laterals to buried polyvinyl chloride pipe. The project is expected to conserve 8,400 acre-feet of water annually by reducing seepage losses. Conserved water will be made available to downstream users.