BUREAU OF RECLAMATION

FY 2020 WaterSMART Grants
Small-Scale Water Efficiency Projects

Arizona

Paloma Irrigation Drainage and Irrigation District, Automated Gate Installation at Gila Bend Main Canal

Reclamation Funding: $75,000 **Total Project Cost: $178,572**

The Paloma Irrigation Drainage and Irrigation District located southwest of Phoenix, Arizona, will install an automated overshot gate just upstream of the end of the Gila Bend Main Canal to replace an inefficient manual jack lift gate. The new gate will include features for integrated flow measurement and supervisory control and data acquisition. The project is part of a multi-phase effort to modernize and automate the District's water delivery system. The automated network of gates will improve operational storage, water management, and water quality. The project is supported by the District's Water Conservation Plan.

Town of Parker, Supervisory Control and Data Acquisition Project

Reclamation Funding: $50,815 **Total Project Cost: $101,630**

The Town of Parker, located in western Arizona, will install remote monitoring sensors and supervisory control and data acquisition at three of their remote well fields. Through the project the City expects to more reliably monitor and control their water supply wells located throughout a 29.2 square mile area serving about 3,300 individuals. The City's Community Water System Plan identified a need for increased communication between utility staff and the water distribution and regulatory systems, which will be addressed by the project.

Town of Taylor, Water Meter Replacement, Phase 1

Reclamation Funding: $75,000 **Total Project Cost: $151,745**

The Town of Taylor, located in eastern Arizona, will upgrade existing, under-reporting water meters to radio-read meters at 415 residential connections and at 10 Town buildings and Town irrigation lines. The new meters, in conjunction with an updated and tiered rate structure, will increase water use efficiency. The Town's 2017 Capital Improvement Plan's priority list included the water meter replacement program as a top priority.

Yarnell Water Improvement Association, Meter Replacement and Radio Read Project

Reclamation Funding: $75,000 **Total Project Cost: $165,000**

The Yarnell Water Improvement Association located northwest of Phoenix, Arizona, will replace 90 manual-read water meters with new radio-read meters. The Association will also retrofit 420 meters

with radio-read technology. The meters serve residential, agricultural, and commercial customers. The project will increase the efficiency of the meter reading process and accurately account for metered water use. The project is supported by the Association's 2018 Capital Improvement Plan.

Yuma County Water Users' Association, Larkin Lateral Water Conservation Piping Project

Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The Yuma County Water Users' Association located southwest of Yuma, Arizona, will convert 1,500 feet of the Larkin lateral from an open, earthen canal to a buried polyvinyl chloride pipeline. The installation will result in the elimination of evaporation and seepage losses, eliminate food safety concerns related to contaminated irrigation water, and provide local farmers a more efficient water delivery system. The objectives of the project are supported and prioritized within the Association's five-year Water Conservation Plan.

California

Bard Water District, Drop Leaf Gate Check Structure for the Ute Lateral and Cocopah Canal

Reclamation Funding: $48,000 **Total Project Cost: $109,091**

The Bard Water District, located in southeastern California, will construct a new drop leaf gate check structure in the Cocopah Canal. This structure will provide better water management by reducing water lost due to spills. The project has been prioritized by the District and meets the goals of the District's Reservation Improvement Project Plan.

Cambria Community Services District, Intelligent Leak Detection Rebate Project

Reclamation Funding: $7,500 **Total Project Cost: $15,000**

Cambria Community Services District, located on California's central coast, will provide rebates to water customers who purchase and install a Flume Smart Water System. This system will enable customers to detect leaks and monitor water usage in real-time across their entire property, both indoors and outdoors, using a smart app. The residential water loss control program, which includes the project, is supported by the District's 2013 Water Use Efficiency Plan.

City of Banning, Pressure Zone Separation and Water Loss Reduction Project

Reclamation Funding: $75,000 **Total Project Cost: $199,008**

The City of Banning, located in southern California, will equip Well C6 with a variable speed drive for the pumping units, pressure and water level sensors, and an upgraded telemetry system. The project will reduce high water pressure by splitting the main pressure zone into an upper and lower pressure zone, reducing water losses due to system failures and reduced energy consumed for pumping. The project is supported by the City's 2018 Integrated Master Plan.

County of San Joaquin, Sunnyside Estates Maintenance District Water Meter Installation Project

Reclamation Funding: $51,999 **Total Project Cost: $103,999**

The County of San Joaquin's Sunnyside Estates Maintenance District, located in central California, will install 21 residential water meters at currently unmetered connections. The meters will

encourage conservation by residents and aid in identifying system losses. Meter usage data will aid the District's planning and forecasting, and the decrease in water demand will improve recreational water quality and quantity for the Mokelumne River. The project is supported by the Eastern San Joaquin Subbasin Groundwater Sustainability Plan. The reduction in demand will help the Eastern San Joaquin subbasin, which is in critical overdraft.

Desert Water Agency Financing Corporation, Grass Removal Incentive Program

Reclamation Funding: $75,000 **Total Project Cost: $151,000**

The Desert Water Agency Financing Corporation, located in southern California, will offer rebates to users replacing turf grass with low water use landscaping. The reduced water demand in the service area will address aquifer overdraft and increase the resilience of water supply. Water conservation is listed as a priority in the 2015 Desert Water Agency's Water Management Plan as well as the 2018 Coachella Valley Integrated Regional Water Management Plan.

Fresno Irrigation District, Oleander Canal Flow Measurement and Management Project

Reclamation Funding: $25,000 **Total Project Cost: $50,000**

The Fresno Irrigation District, located in central California, will install two flow meters in the Oleander Canal System at the bifurcation of the system into the Oleander Canal and Wilson Canal, just downstream of the Oleander Basin. Measurement at this location will allow the District to match downstream demands and automatically divert surplus flows into the Oleander Basin for groundwater recharge. The project will eliminate canal spills, improve the reliability of water delivery to growers in the area, reduce the District's reliance on groundwater, and reduce potential groundwater overdraft within and outside the District.

Henry Miller Reclamation District, Community Ditch Lining Project

Reclamation Funding: $75,000 **Total Project Cost: $218,575**

The Henry Miller Reclamation District, located in central California, will install a concrete liner along 1,954 linear feet of the Community Ditch to increase water efficiency by reducing seepage losses. This section of the canal was chosen due to its high measured seepage, as determined through a District-wide seepage study. Seepage from the ditch is currently causing a high-water table in the adjacent fields, which is adversely impacting growing conditions for crops. The project is supported by the District's 2017 Strategic Planning document.

McMullin Area Groundwater Sustainability Agency, Groundwater Well Monitoring Project

Reclamation Funding: $75,000 **Total Project Cost: $167,268**

The McMullin Area Groundwater Sustainability Agency, located in central California, will implement a data collection system for 23 groundwater monitoring wells. The data collection system will include pressure transducers to measure groundwater level, a totalizing flow meter, and a remote telemetry unit for real-time data collection and transmission. The project will monitor saltwater intrusion and gather and use groundwater extraction records for calibrating groundwater modeling. The project is supported by the Agency's Groundwater Sustainability Plan.

Pixley Irrigation District, Recharge Basin Metering System
Reclamation Funding: $66,000 **Total Project Cost: $132,000**

The Pixley Irrigation District, located in the San Joaquin Valley in central California, will furnish and install 20 area velocity flow meters on existing pipe infrastructure to improve recharge basin accounting accuracy. The flow meters will provide real-time data and replace the current accounting practice of daily manual measurements collected by District staff. The project will improve water management through an increase in water measurement accuracy and efficiency. The installation of flow meters addresses goals in the District's Sustainable Groundwater Management Plan.

Pleasant Valley Mutual Water Company, Advanced Metering Infrastructure Water Use Efficiency Project
Reclamation Funding: $75,000 **Total Project Cost: $198,806**

The Pleasant Valley Mutual Water Company, located in southern California, will upgrade its analog meter system with advanced metering infrastructure (AMI). The project will upgrade 1,022 connections with AMI technology. The upgraded meters will improve meter accuracy and provide real-time water-use to customers.

Reclamation District 787, Meter and Supervisor Control and Data Acquisition System Expansion Project
Reclamation Funding: $62,590 **Total Project Cost: $125,180**

Reclamation District 787 located near Sacramento, California, will install three flow meters and supervisory control data acquisition (SCADA) at the Big Bertha and Canpile pumping stations. The out-flow meters and SCADA, combined with the existing meters and SCADA that control pumping levels, will allow the District to monitor net-water use and fine-tune its water management practices. The implementation of the project will enable the District to monitor the amount of water being discharged back into the Sacramento River. The project is supported by the District's Groundwater Management Plan.

South Tahoe Public Utility District, Pressure Reducing Valve Supervisory Control and Data Acquisition Upgrades
Reclamation Funding: $75,000 **Total Project Cost: $199,863**

The South Tahoe Public Utility District, located in the City of South Lake Tahoe, California, will upgrade a pressure reducing valve (PRV) station. This will be accomplished by adding new pressure valves, piping, pressure transmitters upstream and downstream of the PRV, hydroelectric generator power supply, and integration of data, status, and alarm signals into the District's existing supervisory control and data acquisition system. The project will allow more control within each water pressure zone, saving both water and energy through more efficient water system operation. The project addresses a need identified in the District's 2016 System Optimization Plan.

Vandalia Water District, Wellfield Supervisory Control and Data Acquisition System
Reclamation Funding: $75,000 **Total Project Cost: $188,200**

The Vandalia Water District, located in central California, will install variable frequency drives on well pumping units and install well monitoring transducers and supervisory control and data acquisition equipment on 17 recovery wells. The project will result in increased efficiency and

reliability of water deliveries to stakeholders and reduce electricity costs. The project addresses the goals of the System Groundwater Management Act.

Yucaipa Valley Water District, Distribution Metering Enhancement Project
Reclamation Funding: $75,000 **Total Project Cost: $227,742**

The Yucaipa Valley Water District, located in southern California, will install 49 smart meters on the District's distribution system. Meters will be installed on effluent discharge points at the Yucaipa Valley Regional Water Filtration Facility and on wells, boosters, and reservoirs in the distribution system. The meters will allow the District to determine water use, identify leaks, and increase the system reliability by being proactive. The project addresses the needs identified in the District's Water Sustainability Plan.

Idaho

A&B Irrigation District, Groundwater Well Meter Upgrades
Reclamation Funding: $29,308 **Total Project Cost: $58,615**

The A&B Irrigation District, located in southeastern Idaho, will upgrade existing mechanical groundwater withdrawal meters with electromagnetic meters. The project will increase measurement accuracy and comply with Idaho Department of Water Resource standards for groundwater metering on the Eastern Snake River Plain Aquifer. The project is the first phase of a multi-year undertaking by the District to replace all groundwater meters and will replace approximately 10% of the groundwater meters in the District.

Boise Project Board of Control, East Madden Lateral Automation
Reclamation Funding: $21,412 **Total Project Cost: $42,824**

The Boise Project Board of Control, located in Boise, Idaho, will automate a slide gate and install Supervisory Control and Data Acquisition (SCADA) at the headwaters of the East Madden Lateral. The SCADA system will provide remote sensing and control of the gate operations. The project will stabilize and more precisely control flows at the headwaters of the East Madden Lateral to improve water use efficiency and prevent water loss from spills and over deliveries. The project supports the Board of Control's 2010 Water Conservation Plan.

Franklin Cub River Pumping Company, Cub River Irrigation Efficiencies Improvement Project
Reclamation Funding: $53,454 **Total Project Cost: $106,907**

The Franklin Cub River Pumping Company, located in southeast Idaho, will improve a water control structure by installing headages and controls in three cells across the Franklin Cub River. The controls will allow for better water regulation throughout the system and reduce excess water losses. The project supports the goals of the Franklin Soil and Water Conservation District's Five-Year Resource Conservation Plan, which covers all of Franklin County where the Company operates.

Idaho Irrigation District, Open Ditch to a Flood Pipe System
Reclamation Funding: $75,000 **Total Project Cost: $168,541**

The Idaho Irrigation District, located in Idaho Falls, Idaho, will pipe approximately 2,900 linear feet of the Jones Ditch with buried polyvinyl chloride pipe within the existing earthen ditch. In addition, the District will install seven concrete vaults at the turnout headgates. The difficulty of operating the headgates along the Jones Ditch often results in the last three headgates being overtopped with water or not receiving any water at all. The project will eliminate spills and under deliveries at the end of the ditch and allow all water users on the ditch to receive their allotment.

Shoshone-Bannock Tribes, Water Measurement Telemetry Network Project
Reclamation Funding: $23,997 **Total Project Cost: $47,993**

The Shoshone-Bannock Tribes, Tribal Water Resources Department, located in southeastern Idaho, will install seven flow meters with wireless telemetry data transfer capability on existing surface water pumps, and install five telemetry data transfer relay sites. The new telemetry sites will collect real-time flow data and send the data to the Tribal Water Resources Department facility. The project will improve the reliability of data communication and enable the Tribes to better account for water use. The need for increased water measurement and accounting capacity was identified in the Tribes' 2006 Water Conservation Reconnaissance Study.

Twin Falls Canal Company, Tap 23.5 Installation of a Rubicon SlipMeter for Accurate Water Measurement
Reclamation Funding: $17,294 **Total Project Cost: $34,587**

The Twin Falls Canal Company, located in Twin Falls, Idaho, will install a SlipMeter on a concrete diversion structure on their Mainline Canal at Tap 23.5. The meter will be integrated into the Company's existing supervisory control and data acquisition system and will enable the Company to better regulate water diversions and prevent over-diversions. The project is one element of a larger effort by the Company to simplify water measurements where new irrigation practices have made it more complex and difficult to measure and allocate water.

Kansas

Kansas Bostwick Irrigation District, Converting the Ridge Canal Headgates to a Supervisory Control and Data Acquisition Equipped System for Automated Flow Control
Reclamation Funding: $36,047 **Total Project Cost: $73,566**

The Kansas Bostwick Irrigation District, located in northern Kansas, will upgrade the Ridge Canal headgates to a supervisory control and data acquisition equipped system for automated water control. The project will increase water reliability by reducing water loss due to operational spills and over deliveries.

Montana

Greenfields Irrigation District, Electronic Water Management

Reclamation Funding: $75,000 **Total Project Cost: $160,628**

The Greenfields Irrigation District, located in western Montana, will automate manual flow measurements and controls at four key main canal gates in the Sun River. The project will enable the District to increase water use efficiency and reduce waste flows that currently enter Muddy Creek. These waste flows contribute to erosion and water quality concerns in the Sun River Basin. Conserved water will increase water reliability for irrigators and contribute to instream flows in the Sun River, which has frequently gone dry or below safe levels for fish.

The project is supported by a Water Scoping Study completed for the District and the Sun River Watershed Group's watershed restoration plan.

New Mexico

Elephant Butte Irrigation District, Williams Lateral Piping

Reclamation Funding: $75,000 **Total Project Cost: $191,097**

The Elephant Butte Irrigation District, located in southern New Mexico, will convert 1,196 linear feet of open earthen canal to corrugated steel pipe with concrete check and diversion boxes and a meter at the beginning of the pipeline. The project will result in the reduction of seepage losses and improve deliveries to farmers. The conserved water will allow the District to more reliably deliver water to existing customers and the resulting pressurized system will allow agricultural customers to make future on-farm irrigation efficiency improvements. The project is supported by the Lower Rio Grande Regional Water Plan.

County of Bernalillo, Well Meter Upgrade Project

Reclamation Funding: $28,156 **Total Project Cost: $56,312**

The County of Bernalillo, located in central New Mexico, will upgrade manual-read meters to ultrasonic, advanced meter infrastructure at 25 County facilities. The project will provide increased metering accuracy, real-time monitoring capability of water use, and early detection of leaks at county facilities. The project will upgrade existing infrastructure to conserve, better manage, and make more efficient use of water supplies. The project is supported by the 2006 Bernalillo County Water Conservation Plan and the recent fiscal year 2021 to 2025 Water Conservation Plan Update, which is currently under consideration for adoption by the Bernalillo County Commission.

Pueblo of Zia, Residential Metering Project, Phase 2

Reclamation Funding: $73,000 **Total Project Cost: $153,851**

The Pueblo of Zia, located in northern New Mexico, will install 40 radio-read meters at currently unmetered homes. The project is the second phase of a larger metering effort and will allow the utility to access accurate water usage data and begin an appropriate fee scale for system water users. The project will also allow the utility to better identify the location and extent of water system losses. The project is prioritized by a draft utility ordinance expected to be adopted by the Tribal Council in 2020.

Nevada

Moapa Valley Water District, Water Meter and Data Collection System Upgrade
Reclamation Funding: $75,000 **Total Project Cost: $177,709**

The Moapa Valley Water District, located in southern Nevada, will upgrade 300 existing domestic water meters to new meters with cellular endpoints. The project will provide more accurate water use data, which will help the District better account for water and improve leak detection. The project is supported by the District's Water Conservation Plan.

Oklahoma

The Chickasaw Nation, Smart Meter Installation Project for Murray State College
Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The Chickasaw Nation, located in southern Oklahoma, will install 32 smart meters and a supervisory control and data acquisition system at Murray State College. The is one element of a larger effort within the Nation to improve aging water infrastructure and maximize water reliability for its users. The project is expected to reduce water losses and better manage limited water supplies. The project is supported by the 2012 Oklahoma Comprehensive Water Plan, Lower Washita Watershed Planning Region, and the 2015 WaterSMART Drought Contingency Plan for the Arbuckle Simpson Aquifer.

McCurtain County Rural Water District 2, Smart Meter Installation Project
Reclamation Funding: $72,929 **Total Project Cost: $149,979**

The McCurtain County Rural Water District 2, located in southeastern Oklahoma, will replace 350 traditional manual-read water meters with new automatic meter reading smart meters. Water is currently lost to inaccurate measurement from outdated meters in the system and undetected leaks. The project will enable better water management, more accurate leak detection, and a more accurate estimate of water demands in the area. The project will be implemented within the jurisdiction of the Choctaw Nation and is part of the tribe's comprehensive regional water planning initiative for their jurisdictional homelands in Southeast Oklahoma.

Oregon

Talent Irrigation District, TMC FY2020 Shotcrete Projects
Reclamation Funding: $75,000 **Total Project Cost: $153,717**

The Talent Irrigation District in southwestern Oregon will line approximately 1,770 linear feet of canal with fiber reinforced shotcrete. The project will prevent seepage through the earthen channel and improve efficiency and effectiveness of the operation of canal. The project supports the goals identified in the District's Water Management and Conservation Plan.

Texas

City of Blue Ridge, Automated Meter Reading Project

Reclamation Funding: $75,000 **Total Project Cost: $166,567**

The City of Blue Ridge, located northeast of Dallas, will upgrade 500 residential and commercial water meters to automated meters. This will allow for real-time data collection, which will improve leak detection and improve billing accuracy. The improved water use data will help the City with future water planning efforts, decrease water losses, and improve the overall reliability of the water supply. The project meets the goals of the City's Water Management Plan.

El Paso County Water Improvement District Number One, Isla Lateral Concrete Lining Project, Phase 3

Reclamation Funding: $75,000 **Total Project Cost: $197,294**

The El Paso County Water Improvement District Number One, located in El Paso, Texas, will install concrete lining along 3,700 linear feet of the earthen Isla Lateral. The project will reduce water lost due to seepage and will help ensure consistent water deliveries. The water conserved from this project will help meet shortfalls in water supply during times of drought. The project is supported by the District's 2019 Water Conservation Plan and the 2016 Region E Far West Texas Water Plan.

Guadalupe-Blanco River Authority, Hog Bayou Levee Repair, Phase 2

Reclamation Funding: $75,000 **Total Project Cost: $153,801**

The Guadalupe-Blanco River Authority located near San Antonio, Texas, will upgrade 250 linear feet of the existing east levee on Hog Bayou, in Calhoun County on the Gulf Coast. This levee has shown unprecedented wear from Hurricane Harvey and from increased tide levels. The Authority will upgrade the east levee with imported clay and reinforced mat material, which will improve water supply reliability by reducing seepage of freshwater from the canal system and reducing groundwater. Additionally, the levee upgrades will reduce saltwater intrusion into the public drinking water supply.

Harlingen Irrigation District Cameron County No. 1, Adams Gardens Reservoir Automated Intake Gate

Reclamation Funding: $74,767 **Total Project Cost: $149,553**

The Harlingen Irrigation District Cameron County No.1, located in southern Texas, will upgrade and relocate the intake check gate for the Adams Garden Reservoir. The District will install an automated gate structure with two aluminum slide gates. The District will also add supervisory control and data acquisition hardware to control the gates in real time and meter flows in the Main Canal. The project will improve water reliability by increasing the amount of water that can be stored in the reservoir and reducing spills and conveyance losses. The project is consistent with goals of the 2016 Rio Grande Regional Water Plan.

South Dakota

Belle Fourche Irrigation District, Jensen Spur Enclosing the End of the Indian Creek Lateral/Horse Creek Sub-Lateral

Reclamation Funding: $74,763 **Total Project Cost: $149,856**

The Belle Fourche Irrigation District, located in western South Dakota, will convert an open lateral to approximately 2,640 feet of polyvinyl chloride pipe and farmer turnouts on the Jensen Spur Lateral. The project will conserve water and reduce erosion. The District will also install three valves and flow meters to better control and measure water flow. Conserved water will enhance reliability of water supplies for existing agricultural customers and improve reservoir conditions for recreation.

Utah

Bear River Canal Company, Metering Project

Reclamation Funding: $75,000 **Total Project Cost: $216,900**

The Bear River Canal Company, located in northern Utah, will construct a ramp flume at the head of the West Main Canal, and a ramp flume at the head of the Hammond Main Canal, which will connect to existing telemetry equipment. In addition, they will install two automated slip meters on the Central Canal and a ramp flume and telemetry equipment on the West Main Canal. The project will allow the Company to more consistently and accurately deliver water to agricultural water users. The proposed project is listed as a priority in the Company's 2019 Water Conservation Plan.

Haights Creek Irrigation Company, Backyard Piping Project, Phase 5

Reclamation Funding: $75,000 **Total Project Cost: $186,947**

The Haights Creek Irrigation Company, located in northern Utah, will replace 1,400 feet of residential transit distribution lines and galvanized steel service lines in an area identified as the Phase 5 location with new polyvinyl chloride distribution lines and high-density polyethylene service lines. In addition, the Company will install flow meters on each new residential service line. The project will reduce water loss by upgrading the existing lines and improving water use monitoring and leak detection. The project is the fifth phase of an activity listed as the top priority in Haights Creek's 2016 Water Conservation Management Plan.

Loss Creek Irrigation Company, Fox Canal Water Conservation Project

Reclamation Funding: $75,000 **Total Project Cost: $151,630**

The Loss Creek Irrigation Company, located in southern Utah, will install concrete headwalls and flowmeters at the diversion from the Sevier River into the Fox Canal and at a split in the Fox Canal downstream of the diversion. The project will provide more accurate measurement to reduce over and under deliveries, which will increase water reliability for irrigators in the Sevier River Watershed, allowing the conserved water to remain instream to benefit habitat, recreational opportunities, and to provide water for downstream users. The proposed project is one of the three main projects identified by the Company to conserve water and improve irrigation efficiency.

Newton Town Corporation, Meter and Supervisory Control and Data Acquisition Upgrade

Reclamation Funding: $75,000 **Total Project Cost: $250,000**

The Newton Town Corporation, located in northern Utah, will upgrade 287 existing manual-read residential and commercial meters to supervisory control and data acquisition (SCADA) compatible meters and connect to a SCADA system. Additionally, a master meter will be installed immediately downstream of the storage tank to monitor water demand for the Town as a whole. The upgraded meters will provide more accurate and consistent water use data, which will aid in the conservation of water and improve water management. The project addresses goals of the Town's 2016 Culinary Water Conservation Plan.

Newton Water Users Association, Jones Pipeline Project, Phase 1

Reclamation Funding: $75,000 **Total Project Cost: $200,000**

The Newton Water Users Association, located in northern Utah, will upgrade the Jones Pipeline from 1.1 miles of transit pipe to high density polyethylene or polyynyl chloride pipe. The project will also upgrade meters and isolation valves at 14 or the 28 customer turnouts along the Jones Pipeline. The upgrade will reduce seepage losses and enable the Association and stakeholders to better manage the water supply. The project will also make the Jones Pipeline compatible with the recently pressurized main canal and will enable agricultural customers to make future on-farm irrigation improvements. The project meets the goals of the Association's Water Management and Conservation Plan in 2015.

Peoa South Bench Canal and Irrigation Company, Irrigation Water Metering and Remote Telemetry Project

Reclamation Funding: $75,000 **Total Project Cost: $172,000**

The Peoa South Bench Canal and Irrigation Company, located in northern Utah, will install 11 Remote Telemetry Units on the main pipeline and 39 meters on the individual service laterals. The project will enable the Company and shareholders to better manage water supply and conserve water. Conserved water will support recreational opportunities and habitats within the Weber River and improve water reliability during times of drought. The project is outlined in the Company's 2018 Master Plan.

Roy Water Conservancy District, Secondary Water System Metering Project, Phase 2

Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The Roy Water Conservancy District, located in northern Utah, will install 100 secondary water meters within the Wildwood and Summer Pointe subdivisions, allowing customers to identify, monitor, and manage water use for irrigation. The project will reduce water loss due to overuse. The District's 2015 Water Conservation Plan identified secondary water metering as the most cost-effective way to conserve water throughout the irrigation season.

Settlement Canyon Irrigation Company, Municipal Metering Project

Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The Settlement Canyon Irrigation Company, located in northern Utah, will install 85 residential flow meters in Tooele City. These flow meters will allow the Company to regulate the volume of irrigation water and implement fees for over-use. The project will increase the Company's ability to

track water usage and increase customer water conservation. Conserved water will help reduce groundwater pumping during times of drought.

South Weber Water Improvement District, Secondary Water Metering Project, Phase 1
Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The South Weber Water Improvement District located near Salt Lake City, Utah, will install approximately 100 secondary water meters equipped with Advanced Metering Infrastructure on unmetered residential connections to the District's pressurized irrigation system. The improved water use data will help the District decrease water losses and improve the overall reliability of the water supply. The project is supported by a five-factor strategic planning effort.

Washington County Water Conservancy District, Landscape Rebate Program
Reclamation Funding: $75,000 **Total Project Cost: $150,000**

The Washington County Water Conservancy District, located in southwestern Utah, will continue offering rebates for its municipal irrigation upgrade program. Rebates are provided for installing smart irrigation controllers, high-efficiency nozzles, and other upgrades to irrigation systems to conserve outside water use. The project will lead to increased water conservation within the District and is supported by the District's 2015 Water Management and Conservation Plan.

Washington

Columbia Irrigation District, Lining of Lateral #2
Reclamation Funding: $61,320 **Total Project Cost: $122,640**

The Columbia Irrigation District, located in central Washington, will line approximately 850 linear feet of the Lateral #2 canal. The District will upgrade the existing concrete liner to a membrane liner covered by fiber reinforced concrete. The project will reduce seepage and prevent potential canal failures. The project aligns with the District's Capital Improvement Plan and Water Conservation Plan.

Lake Chelan Reclamation District, Irrigation Meter Upgrades
Reclamation Funding: $75,000 **Total Project Cost: $150,633**

The Lake Chelan Reclamation District, located in north-central Washington, will upgrade 45 propeller-style manual read meters with new meters that are equipped with digital encoders and transmitters. The upgraded meters will result in improved water management through increased water measurement accuracy. The project is identified as a priority in the District's 2017 Comprehensive Water Conservation Plan to increase water measurement accuracy.

Kittitas Reclamation District, Turbine 1.1 Piping
Reclamation Funding: $27,184 **Total Project Cost: $54,369**

The Kittitas Reclamation District, located in central Washington, will pipe 1,470 linear feet of high-loss lateral with polyynyl chloride pipe. The project will reduce seepage and evaporative losses from the lateral. Conserved water will help the District meet demands during times of drought. The project is supported by the District's 1999 Water Conservation Plan and a 2015 Feasibility Investigation of water conservation measures.