Southern California Area Office WaterSmart Grants (based on original awarded amount)

Year	Recipient	Project Title	Description	Reclamation Contribution	Benefit	
2010	Eastern Municipal Water District	High Efficiency Clothes Washer Program	The purpose of the HE Clothes Washer Program is to reduce demand for imported water by retrofitting pre-2004 clothes washers with high efficiency clothes washers (HEW).	$ 299,500	803 acre-feet	803
2010	Eastern Municipal Water District	Perris Water Filtration Plant Project	The Perris Water Filtration Plant Reject Recovery Facility Project (Project) will divert the reject stream from the sewer and treat the flow utilizing low pressure membrane filtration. Implementing the Project will result in a decrease in imported raw water consumption.	$ 299,000	950 acre-feet	950
2010	West Basin Municipal Water District	Restroom Retrofit Program	The Program replaces water-wasting devices with High-Efficiency Toilets (HET), High-Efficiency Urinals (HEU), and Self-Closing Low-Flow Sensor Faucets (Faucets) to maximize water and energy savings. The District estimates the project will save 1,711 acre-feet per year.	$ 296,250	1,711 acre-feet	1711
2011	City of Huntington Beach	Central Irrigation Control System Implementation	The proposed project consists of the installation of Central Control Systems in 45 public parks.	$ 175,000	225 acre-feet	225
2011	Municipal Water District of Orange County	OC Smart Irrigation Timer Rebate Program	The proposed project is to implement a residential and commercial “Smart Irrigation Timer Rebate Program” in Orange County, CA. The rebate program format will facilitate the installation and verification of up to 800 commercial and 475 residential smart timers. The project is expected to save 560 acre-feet per year.	$ 299,961	560 acre-feet	560
2011	Metropolitan Water District of Southern California	California Friendly Turf Replacement Program	The California Friendly Turf Replacement Program will transform approximately 2,000,000 square feet of irrigated turf to landscapes with climate appropriate plants, efficient irrigation, permeable surfaces. The program is expected to save 2,760 acre-feet per year.	$ 1,000,000	2,760 acre-feet	2760
2011	City of Corona	Advanced Metering Infrastructure Project	The City of Corona will install 5,560 advanced water meters, resulting in real-time meter reading capabilities at residential, commercial and landscape sites. Once the project has been completed, water users will be able to monitor usage through a secure customer website so that adjustments can be made during peak periods and leaks and other water losses can be addressed as soon as possible. The project is expected to result in water savings of 592 acre-feet annually, which will allow the City to reduce it water imports. The City estimates that approximately 1,776 megawatt hours of energy per year will be saved the project as a result of reduced pumping needs	$ 300,000	592 acre-feet	592

2012	City of Torrance	Storm Water Basin Recharge and Enhancement	The City of Torrance, will construct wetlands and infiltration areas, as well as installing new pumps and other water management improvements, at existing storm water basins. The project is intended to enhance those existing sites sot that storm water can be filtered and used to recharge groundwater rather than flowing untreated to the ocean. The project is expected to result in water savings of 325 acre-feet annually through groundwater recharge. Wetlands constructed as part of the project will also serve as habitat for a number of endangered bird species.	$ 300,000	325 acre-feet	325
2012	Inland Empire Utilities Agency	Regional Residential Landscape Retrofit Program	Inland Empire Utilities Agency will install high-efficiency, weather-based irrigation controllers and high efficiency sprinkler nozzles for 400 residential water users. Once completed, the improvements are expected to result in a reduction of 520 acre-feet of imported annually.	$ 200,000	520 acre-feet	520
2012	Municipal Water District of Orange County	Water Efficient Site Certification and Smart Irrigation Rebate Program	The Municipal Water District of Orange County will provide rebates for installation of residential water efficiency improvements in over 700 households, including advanced irrigation timers and rotating nozzles. The project is expected to result in 138 acre-feet of water savings each year once completed, which will remain in regional storage reservoirs and ground water basins for other uses.	$ 299,850	138 acre-feet	138
2013	Western Municipal Water District	High Efficiency Urinal Flush-Valve Program	The High Efficiency Urinal Flush-Valve Upgrade Program (Program) will help decrease water use in the commercial sector. The Program will reduce water use by approximately 123 acre-feet annually. The Program is consistent with Reclamation's goal of achieving water savings by reducing indoor water use and could help the local retail water agencies comply with California's legislative mandate to reduce urban water use in the commercial sector by 10 percent.	$ 208,157	123 acre-feet	123
2014	Gateway Water Management	Regional Advanced Meter Infrastructure Program	The Gateway Water Management Authority, in southern California, will implement the Regional Advanced Meter Infrastructure (AMI) Program to improve regional water management by Converting 6,263 meters to AMI smart meters, including 5,516 residential accounts, 730 Commercial/landscape accounts and 17 industrial accounts. The Gateway Regional cities and water district customers will have reliable, secure, and real time access to their water usage data through a specially designed AMI customer portal. The project is expected to result in annual water savings of 2,651 acre-feet and will reduce the use of State Water Project and Colorado River water resources.	$ 1,000,000	2,651 acre-feet	2,651

2014	Irvine Ranch Water District	Stockdale Recovery Facilities Project	Irvine Ranch Water District will install three ground water extraction wells, with piping and solar-powered flow meters, to recover up to 2,700 acre-feet of water annually from stored groundwater. The extracted water will be conveyed to nearby Pioneer and Cross Valley Canals and will be substituted for water the District imports from other sources, making the previously imported water available for other uses in the region or State. The recharge facilities to capture wet-weather runoff and flood flows already exist and agreements are already in place. The project will significantly enhance water supply reliability for the District by providing recovery of stored water to augment supplies during dry-years. The project implements adaptation strategies that were addressed in the Santa Ana Watershed Basin Study completed in 2013, which the District participated in as a stakeholder.	$ 1,000,000	2,700 acre-feet	2,700
2014	Metropolitan Water District of Southern California	Landscape Irrigation Efficiency Pilot Program	The Landscape Irrigation Efficiency Pilot Program will offer enhanced incentives for efficient irrigation devices along with landscape training and irrigation system surveys to help transform the market for water efficient landscapes in Southern California. The Pilot Program will implement a strategy that addresses two significant market barriers: consumer knowledge and cost. The program will provide approximately 195 classes, 150 irrigation system surveys, 1,225 rebates of up to $120 for residential smart controllers, and rebates of up to $50 per station for 10,000 commercial controller stations. Participants will also be able to receive Metropolitan's current enhanced incentive of $4 per efficient rotating nozzle. Over a ten year period, the Landscape Irrigation Efficiency Pilot Program will conserve an estimated 2,435 acre-feet (AF) of water, enough to serve nearly 500 homes. It will also save an estimated 0.6 to 1.8 million kWh per year by increasing energy efficiency in water management.	$ 300,000	2,435 acre-feet	2,435

2014	Metropolitan Water District of Southern California	Onsite Retrofit Pilot Program	The Metropolitan Water District of Southern California will undertake an on-site retrofit incentive program to convert potable water irrigation water systems to recycled water irrigation systems.The retrofits will consist of improvements to existing irrigation systems in order to allow for the connection to the distribution system of an existing water recycling facility. The program is expected to result in annual water savings of 5,100 acre-feet through the offset of importedwater with recycled water that is currently being discharged to the ocean. The District also estimates that the project will save an estimated 13,316,000 kilowatts per year by replacing imported water with recycled water. By completing these improvements, the District is implementing the municipal and industrial water conservation adaptation strategy identified in the 2012 WaterSMART Colorado River Basin Water Supply and Demand Study.	$ 700,000	5,100 acre-feet	5,100
2014	Metropolitan Water District of Southern California	California Friendly Turf Replacement Incentive Program	The Metropolitan Water District of Southern California will also provide incentives under the California Friendly Turf Replacement Incentive Program to convert approximately 1.3 million Square feet of irrigated turf to water efficient landscapes with climate-appropriate plants, efficient irrigation, permeable surfaces to allow rainwater infiltration, and mulch to preserve soil moisture. This project is part of an ongoing effort and is expected to result in water savings of 186 acre feet per year. Water that is conserved through this project will contribute towards California's goal of achieving a 20 percent reduction in urban per capita potable water use by 2020 and it will help avoid future water supply shortages related to population growth, climate change, and drought, amongst other stressors.	$ 300,000	186 acre-feet	186

2014	City of Yucaipa	Wilson III Groundwater Basin Recharge Project	The City of Yucaipa, California, in partnership with San Bernardino County Flood Control District, the San Bernardino Valley Municipal Water District, the Yucaipa Valley Water District and Inland Empire Resource Conservation District, will construct and expand groundwater recharge basins at two distinct sites. Recharge basins totaling 50 acres will be constructed at Site A, Wilson III Basin Project. The City will store and percolate State Water Project water at the Wilson Basin Project for groundwater recharge. Site B currently includes 30 acres of highly productive spreading basins for State Water Project water. The City will expand these basins to capture additional storm flows for aquifer recharge by modifying the basin inlets, outlets, spillways, and basin-to-basin drains. By reducing the peak flow rates to the downstream Wilson Creek channel, the recharge basin will also serve as a flood control facility and the recharge area will function as a passive park for the community with walking trails, boulders, and seat walls. Construction of Site A and expansion of Site B is expected to result in recharge of 1,450 acre feet of water annually which is currently lost to the ocean. The project will help reduce the City's reliance on imported water.	$ 300,000	1,450 acre-feet	1,450
2015	Moulton Niguel Water District	AMI Implementation Program Phase I	The Moulton Niguel Water District in southern California will implement advanced meter infrastructure (AMI) with supporting software and will target customers with some of the highest water consumption rates within the District's service area. The goal of the program is to reduce real system losses and increase water use efficiency and conservation through the availability of near real-time data on water usage and daily water needs. Implementation of this phase (Phase I) would allow the District to test a full distribution system with AMI to provide both fine grain usage with weather data and corresponding actual daily water needs to customers. In order to fully maximize the capabilities and benefits of the AMI technology, a water loss management program will be integrated into the program. The project includes the installation of 2,669 residential meters and is expected to result in annual water savings of 1,650 acre-feet per year.	$ 300,000	1,650 acre-feet	
2015	City of Buenaventura	Be Water Wise Incentive Program	The City of San Buenaventura will implement a rebate program that encourages landscape alterations to conserve water. Through the program, the City will replace 500,000 square feet of turf and provide rebates to install 12,500 low flow irrigation nozzles, 200 smart controllers, and 200 high-efficiency clothes washers. This project is expected to result in annual water savings of 191 acre-feet, which will reduce demand in an area that is at risk of not meeting drinking water demands due to the ongoing drought.	$ 300,000	191 acre-feet	

2015	City of Buenaventura	System OptimizationImprovements Phase I	The City of Buenaventura will also upgrade an existing pump and motor with a new high-efficiency pump and variable frequency drive motor. The City will also make improvements to the Saticoy Well #2 and will install 26 smart water meters that will be connected to the City's Supervisory Control and Data Acquisitions system. Implementing these improvements will allow the City to better account for its water production and losses. The System Optimization Improvements Phase I will result in quantifiable and sustained water savings as well as improved water management by conserving and making use of a new water supply averaging 517 AFY.	$ 229,631	$ 517	
2015	Mojave Water Agency	Commercial, Industrial Institutional Turf Replacement Program	The Mojave Water Agency in southern California will expand an existing "Cash for Grass" turf replacement program, which targets removal of turf from residential and small commercial landscapes. This project will replace 54 acres of turf with drought tolerant and desert adaptive plants, resulting in an expected annual water savings of 400 acre-feet. Conserved water will be used to meet existing needs within the Agency, which has had its water allocations reduced to only 10 percent of its contracted supply as a result of the ongoing drought.	$ 300,000	400 acre-feet	
2015	Municipal Water District of Orange County	Comprehensive Landscape Water Use Efficiency Program	The Municipal Water District of Orange County will continue implementing a comprehensive landscape improvement program targeting residential and commercial properties throughout Orange County. The project includes: providing rebates to remove of 9.7 acres of non-functional turf grass and replacing it with California-friendly landscape; upgrading 980 irrigation timers to smart water application irrigation controllers; converting 127,000 high volume conventional spray irrigation heads to low-precipitation- rate irrigation equipment (rotating nozzles and drip); and offsetting some potable uses with alternative sustainable supplies. The project is expected to result in annual water savings of 1,160 acre-feet.	$ 299,956	1,160 acre-feet	
2015	Upper San Gabriel Valley Municpal Water District	Large Landscape and Retrofit Program	The Upper San Gabriel Valley Municipal Water District in Monrovia, California, will complete phase three of the District's on-going, three-phased "Large Landscape Survey and Retrofit Program." In this final phase, the District will identify and monitor large landscape sites and install retrofits/ improvements at identified landscape sites. Proposed retrofits/improvements include digging out and replacing broken pipes and broken sprinkler heads and installing water based irrigation controllers, moisture sensor systems, and high efficiency nozzles. The project is expected to result in annual water savings of 763 acre-feet, which will reduce the District's reliance on imported water and will remain in the Colorado River and Bay-Delta system. The District is currently 100 percent reliant on imported water supplies, which are increasingly threatened by current drought conditions. This project helps to reduce reliance on these limited imported water supplies.	$ 1,000,000	763 acre-feet	

2015	West Basin Municipal Water District	Regional Landscape Water Use Efficiency Project	The West Basin Municipal Water District in Carson, California, will continue to implement an ongoing water conservation rebate program, which provides a financial incentive to replace lawn with water- efficient landscaping. This project is expected to result in the replacement of approximately 450,000 square feet of grass turf with water efficient landscaping alternatives, which is expected to result in an annual water savings of 60 acre-feet, reducing the District's reliance on imported water.	$ 300,000	60 acre-feet	
2015	Western Municipal Water District	Arlington Basin Water Quality Improvement Project	The Western Municipal Water District in Riverside, California, will construct a recharge basin with a monitoring well, an extraction well, and a raw water pipeline connecting the extraction well with the Arlington Desalter, in order to expand potable water production. As a result, the project will develop local groundwater sources for use in the District's service area thereby reducing reliance on imported water. Water supplies and groundwater storage across the Santa Ana River Watershed have been depleted to historic low levels and several basins are threatened by overdraft conditions due to reduced recharge as a result of the ongoing drought conditions. The project is expected to result in annual water savings of 1,800 acre-feet annually by capturing storm water flows and developing local sources. The project implements adaptation strategies that were identified in the 2013 WaterSMART Santa Ana River Watershed Basin Study.	$ 1,000,000	1,800 acre-feet	
2015	City of Yucaipa	Wildwood Creek Basin 4 Groundwater Recharge and Water Management	The City of Yucaipa will construct a 25 acre-foot retention basin along the Wildwood Creek to capture storm water runoff and increase groundwater recharge. Recharged stormwater will increase local groundwater supplies and will reduce the City's reliance on imported water supplies. The project is expected to recharge 250 acre-feet of water per year.	$ 227,000	250 acre-feet	
2016	City of Big Bear Lake DWP	City of Big Bear Lake Advanced Metering Infrastructure Project Funding Group I	The City of Big Bear Lake, California Department of Water and Power will implement an Advanced Metering Infrastructure (AMI) program, involving the installation of 5,000 new water meters and radios for residential and commercial water users. The AMI program will also feature new smart meter software, allowing the Department and water users access to real-time consumption data. The Program will enable the Department and water users to identify waste and leaks in a timely manner, conserving 33 acre-feet, annually. Conserved water will be made available to meet growing water user demand. The program will also provide the Department 96,070 kilowatt hours of energy savings due to reduced water pumping and treatment. Note that the project implements adaptation strategies that were identified in the completed WaterSMART Santa Ana River Basin Study.	$ 300,000	33 acre-feet	33

2016	City of Big Bear Lake DWP	City of Big Bear Lake 12-inch Big Bear Boulevard Replacement Pipeline Project Group I	The City of Big Bear Lake, California Department of Water and Power will replace 4,000 feet of an existing 70-year-old, unlined riveted steel pipeline with PVC. The project will reduce leakage, conserving 17 acre-feet, annually. Conserved water will be made available to meet growing water user demand. The project will provide the Department 120,655 kilowatt hours of annual energy savings due to reduced pumping demand. Note that the project implements adaptation strategies that were identified in the completed WaterSMART Santa Ana River Basin Study.	$ 300,000	17 acre-feet	17
2016	Mojave Water Agency	Commercial, Industrial and Institutional Turf Replacement Program	The Mojave Water Agency of Apple Valley, California, will expand its turf replacement program. The program will provide incentives to replace up to 54 acres of turf with water efficient landscaping, conserving about 400 acre-feet of water and over 2.2 million kilowatt hours of energy per year from reduced pumping requirements. The conserved water will go to beneficial uses within the Mojave Water Agency.	$ 300,000	400 acre-feet	400
2016	West Valley Water District	Water Use Efficiency In Disadvantaged Communities	The West Valley Water District, in Rialto, California will expand their turf replacement program. They are targeting up to 65 service connections and 120,000 square feet of turf removal. The project will save an estimated 16 acre-feetof water annually. Note that the project implements adaptation strategies that were identified in the completed WaterSMART Santa Ana River Basin Study, in which the District was a stakeholder.	$ 300,000	16 acre-feet	16
2016	Municipal Water District of Orange County	Comprehensive Landscape Water Use Efficiency Program - Phase II	The Municipal Water District of Orange County, California will continue implementing a comprehensive landscape improvement program targeting residential and commercial properties throughout Orange County. The project includes providing rebates to remove 9.7 acres of non-functional turf grass and replacing it with California-friendly landscape; upgrading 980 irrigation timers to smart water application irrigation controllers; converting 127,000 high volume conventional spray irrigation heads to low-precipitationrate irrigation equipment (rotating nozzles and drip); and offsetting some potable uses with alternative sustainable supplies. The project is expected to result in annual water savings of 1,151 acre-feet, which will be retained in regional storage reservoirs and the groundwater basin for future use.	$ 299,934	1,151 acre-feet	1151

2016	Laguna Beach County Water District	Laguna Beach County Water District's Advanced Metering Infrastructure To Enhance Water And Energy Efficiency Project	Laguna Beach County Water District of Laguna Beach, California will implement an Advanced Metering Infrastructure Project as a part of their overarching goal of improving water efficiency and water supply reliability. The project will result in a water savings of 400 acre-feet through the replacement of 8,633 out-dated meters with advanced meters which will allow for system leaks to be addressed rapidly and the implementation of a tiered water pricing system. The conserved water will be used to decrease the District's demand for imported water. Note that the project implements adaptation strategies that were identified in the completed WaterSMART Colorado River Basin Study.	$ 300,000	400 acre-feet	400
2017	City of Palmdale	Landscape Water Use Efficiency Project	The Palmdale Water District, a high desert service area in Los Angeles County, California,will expand its existing residential turf replacement program, providing incentives to replace turf with water-efficient landscaping. In 2017, the District anticipates participation by approximately 68 customers to replace approximately 75,000 square feet of turf, which is expected to result in annual water savings of 11 acre-feet. The conserved water will be used for other beneficial uses within the District's service area and will help to decrease imports of Central Valley Project water to the Palmdale service area.	$ 75,000	11 acre-feet	11
2017	West Basin Municipal Water District	Greywater and Rainwater Advancement Program	The West Basin Municipal Water District in southwest Los Angeles County will implement a program to incentivize water users to use greywater and rainwater as primary water sources for outdoor uses. The District will offer rebates and technical assistance to encourage water users to install laundry-to-landscape greywater systems, and to purchase rain barrels and cisterns to offset demands for imported, potable water supplies. This project will enable the installation of approximately 250 greywater systems, 250 rain barrels, and 25 cisterns, which the District estimates could save over 250 acre feet over the life of the devices. This project is supported by the District's 2015 Urban Water Management Plan.	$ 70,000	250 acre-feet	250

2017	County of San Bernardino	Water Meter Replacement Projec	The County of San Bernardino in Southern California proposes to replace 105 domestic and commercial water meters in County Service Area 42 within the community of Oro Grande. The existing meters are old and inaccurately measure low flows. The new meters will properly identify low-flow leaks and provide alert capabilities to staff when excessive use, leaks or continuous flows are detected in a 24-hour period. The new meters will also interface with the District's Waterscope software so that customers can view their consumption in an effort to bring more awareness to customer's daily water usage. The project aims to address a 40% water loss due to the inability to currently identify and resolve leaks. The project will address State of California, Mojave Water Agency, and San Bernardino County requirements and goals for water conservation.	$ 74,987	40% less water	40
2017	City of Norwalk	Weaterh Based Irrigation Controller Installation Program	The City of Norwalk, in Los Angeles County California, will receive $74,500 to install weather-based smart controller irrigation systems in 8 of its 12 public parks. The systems will replace old inefficient manually-programmed systems that result in over-watering at the parks. The City has conserved 37% of water demands at a City park where the technology was recently installed. The project will help the City meet goals defined in its 2015 Urban Water Management Plan.	$ 74,500		
2017	Helendale Community Services District	AMI Smart Meter Installation Program	The Helendale Community Services District in southern California will receive $75,000 to install 400 Advanced Metering Infrastructure (AMI) Smart Meters, 400 AMI radios, a radio tower, and all necessary hardware to upgrade their outdated meters. AMI technology will assist the District in water planning, water conservation efforts, and enhance customer service. The project is part of the District's Capital Improvement Plan. Admin funds are covered by the program.	$ 75,000		
2017	Eastern Municipal Water District	Residential Spray to Drip Retrofit Program	Eastern Municipal Water District in southern California will receive $70,000 to provide rebates to retrofit 700 landscape spray systems with drip irrigation systems. The more efficient drip irrigation systems will conserve 350 acre-feet annually. The project is supported by the District's Water Use Efficiency Master Plan.	$ 70,000	350 acre-feet	350
2017	City of Buena Park	AMI Portal and Customerr Portal Project	The City of Buena Park just south of Los Angeles will install a Neptune AMI communication network with 22 collectors, 19,500 smart meters, and Neptune and Water Smart software packages. The City also proposes to deploy a Customer Portal, which is the basis for future engagement with customers on water conservation efforts to enforce the City's permanent water conservation requirements. The projected water savings is 1,479 acre-feet.	$ 300,000	1,479 acre feet	1479

2017	South Coast Water District	AMI Implementation Program Phase I Project	South Coast Water District in southern California will receive $300,000 to upgrade 3,008 Automatic Meter Readings (AMR) water meters to Advanced Metering Infrastructure (AMI) meters. The project is expected to result in 90 acre-feet of water savings annually. The project will implement adaptation strategies from the WaterSMART Colorado River Basin Study.	$ 300,000	90 acre-feet	90
2017	City of Buenaventura	Ventura Water Advvanced Meter Infrastructure Conversion, Phase II	The City of San Buenaventura, California, will receive $300,000 to replace 10,011 manual read residential water meters with Advanced Metering Infrastructure (AMI) meters. The project is expected to save 245 acre-feet of water annually.	$ 300,000	245 acre-feet	245
2017	West Basin Municipal Water District	Cash for Kitchens Programs	West Basin Municipal Water District near Los Angeles, California, will receive $273,125 to expand the District's Cash for Kitchen Program to directly install water efficient appliances and fixtures, such as Air-Cooled Ice Machines, Pre-Rinse Spray Valves, and Faucet Flow Restrictors, in institutional kitchen facilities. The project is expected to result in an annual water savings of 75 acre-feet.	$ 273,125	75 acre-feet	75
2017	City of Big Bear Lake DWP	Well Field Solar Project	City of Big Bear Lake, California, will receive $300,000 to install 700 solar panels at the City's five Division Well Pumping Plants, which provide a significant portion of the City's water supply. The solar panels will have a capacity of 220 kilowatts, which is expected to reduce the electric power costs by 25%.	$ 300,000		
2017	Rincon del Diablo Municipal Water District	El Norte Parkway Recycled Water system Expansion and Mixed Meter Retrofit Program	The Rincon Del Diablo Municipal Water District in southern California will receive $300,000 to extend the District's recycled water delivery system to several disadvantaged communities. The District will extend the recycled water pipe in order to offset potable water used for landscape irrigation in the communities. The project is expected to save 50 acre-feet of water annually.	$ 300,000	50 acre-feet	50
2017	Mojave Water Agency	CII Turf Replacement Porgram	The Mojave Water Agency in California will receive $300,000 to continue to implement the Agency's commercial, industrial, and institutional (CII) turf replacement rebate program. The project will replace 48 acres of turf and is expected to result in 353 acre-feet of water savings annually.	$ 300,000	353 acre-feet	353
2017	City of Big Bear Lake DWP	AMI Program Phase III	The City of Big Bear Lake, California, will receive $300,000 to continue to implement the City's Advanced Metering Infrastructure (AMI) Program by replacing 3,500 conventional meters with AMI meters. The project is expected to result in 113 acre-feet of water annually. This project will implement adaptation strategies in the WaterSMART Santa Ana Watershed Basin Study.	$ 300,000	113 acre-feet	113
2017	City of Azusa	AMI Project	This The City of Azusa will receive $1,000,000 to replace and retrofit 23,062 out dated meters to AMI smart meters for residential, commercial, and industrial customers. The project is estimated to span 3 years. The AMI network will read both water and electric meters, but electric meters are not part of the cost of this project. The project is planned to span five cities, Azusa, Covina, Glendora, Irwindale, and West Covina and part of LA County.	$ 1,000,000		

2017	Eastern Municipal Water District	AMI Installation Project	Eastern Municipal Water District in southern California will receive $1,000,000 to continue to implement an Advanced Meter Infrastructure (AMI) program by installing 30,983 new AMI meters. The project is expected to save 1059 acre-feet of water annually, which will reduce the District's reliance on imported water. This project will implement adaptation strategies in the WaterSMART Santa Ana Watershed Basin Study.	$ 1,000,000	1,059 acre-feet	1059
2017	Rosamond Community Services District	Pipeline Enhancement Project	The Rosamond Community Services District in California will replace 10,000 linear feet of 50 year old, asbestos cement distribution main. The project is expected to result in 200 acre-feet of water annually, which is currently lost due to seepage.	$ 300,000	200 acre-feet	200
2017	City of Big Bear Lake DWP	WaterSystem Facility Automation	The City of Big Bear Lake, CA will install variable frequency drive motor starter units in four well-pumping plant sites. As part of the upgrade, the City will also add new pressure and water level sensing devices and displays, and update the telemetry control system. Upon project completion, the City will be able to control and regulate the pumping of each well, based on system needs and aquifer water levels.	$ 75,000		
2018	San Gabriel Valley Municipal Water District	San Gabriel Valley Municipal Water District Regional Smart Meter AMR/AMI Project for 2018	The San Gabriel Valley Municipal Water District will assist three of its retail member agencies (cities of Alhambra, Monterey Park, and Sierra Madre) in upgrading water meter infrastructure with installation of Advanced Metering Infrastructure (AMI) and Automatic Meter Reading (AMR) technology. The project will upgrade/replace a total of 2,975 water meters at residential, commercial, and landscape sites, which is expected to result in water savings of 166 acre-feet per year. The project will significantly contribute to conservation of the region's limited water supplies and help improve local supply reliability.	$ 300,000	166 acre-feet	166
2018	Municipal Water District of Orange County	Water Efficient Landscape Transformation Program	The Municipal Water District of Orange County is proposing to implement the Water Efficient Landscape Transformation Program. The program will offer rebates to residential and commercial customers to convert from high water use landscaping to California native/friendly landscapes, high efficiency irrigation, and alternatives to potable irrigation supply. The project expects convert 370,000 square feet of turf, upgrade 1850 old controllers, and replace 37,500 nozzles for an estimated water savings of 1,057 acre-feet per year.	$ 299,343	1,057 acre-feet	1057
2018	Los Angeles County Waterworks District No. 40	Advanced Metering Infrastructure Project - Los Angeles County Waterworks District No. 40, Antelope Valley	The Los Angeles County Water works District No.40, Antelope Valley (District) is proposing to install a fixed network Advanced Metering Infrastructure (AMI) Project (Project). The District will be converting 18,000 antiquated meters to "smart" meters with advanced metering capabilities. Additionally, the District will install data collection devices and host server software that will integrate with utility software applications to analyze meter data in real time. The estimated water savings is 2,133 acre-feet per year.	$ 1,000,000	2,133 acre-feet	2133

2018	Los Angeles County Waterworks District No. 29	Advanced Metering Infrastructure Project - Los Angeles County Waterworks District No. 29, Malibu - Funding Group II	The Los Angeles County Waterworks District No. 29, Malibu District, will be converting 7,641 old meters to smart meters with advanced metering capabilities. The District will also be installing data collection devices and host server software that will integrate with utility software applications to analyze meter data in real time. Estimated water savings of 1,102 A/F per year.	$ 1,000,000	1,102 acre-feet	1102
2018	City of San Diego	Advanced Metering Infrastructure (AMI) Project	The City of San Diego will replace existing manual meters with advanced metering infrastructure, capable of collecting more accurate meter consumption data on a near-real time basis. In total, 270,000 meters will be deployed. The advanced meters will identify leaks and provide consumers tools to better manage water use, achieving 25,232 acre-feet of savings, annually. Conserved water would be made available to existing users.	$ 1,000,000	25,232 acre-feet	25232
2018	La Habra Utility Authority	La Habra Advanced Metering Infrastructure Project	The City of La Habra Utility Authority in Orange County, CA will implement an AMI Project, which includes the upgrade of 5,001 existing annually-read water meters with an AMI fixed-based network system that will automatically collect and store hourly consumption data, aiding in water conservation and water use efficiency, improved water management, and energy savings. The project is expected to result in water savings of 462 acre-feet annually that is currently being lost to due to leaks.	$ 300,000	462 acre-feet	462
2018	Moulton Niguel Water District	Advanced Meter Infrastructure Implementation Program, Phase II	The Moulton Nigel Water District located in Laguna Nigel, California will install radio transmitters at 4,851 existing commercial, multi-family and fire protection meters, converting them to automated meters ("advanced metering infrastructure"). 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 505.41 acre-feet annually, currently lost to leaks. Conserved water will offset imported water supply demand.	$ 300,000	505 acre-feet	505
2018	Yucaipa Valley Water District	Yucaipa Valley Water District: Advanced Metering Infrastructure Project	The Yucaipa Valley Water District is proposing to conserve drinking water and recycled water resources through efficient and effective measurement techniques as provided by the Advanced Metering Infrastructure (AMI) Project. This AMI project will complete the conversion of 100 percent of the District's drinking water and recycled water connections, or approximately 12, 848 meters, to an efficient AMI system. The upgrades are expected to result in annual water savings of 1,335 acre-feet	$ 1,000,000	1,335 acre-feet	1335
2018	Eastern Municipal Water District	Residential Irrigation Efficiency Project	The Eastern Municipal Water District in Riverside County, California will provide 50 single family customers with no-cost installation of high-efficiency irrigation equipment for outdoor landscaping. The project is supported by the District's 2015 Water Efficiency Master Plan.	$ 60,000		

2018	City of Big Bear Lake Department of Water and Power	Water System Facilities Automation Project Phase II	The City of Big Bear Lake in southern California will replace four of its existing pumping plant controls with new variable frequency drive units and water meters, upgrade existing telemetry or install new telemetry components, install three new production well meters, upgrade six other production well meters by adding SCADA and Radio Read connections, and upgrade its Main Base SCADA Server. These improvements will allow the City to more accurately control and monitor water use and fluctuations. The upgrades will also improve reporting and alarm abilities, and allow for faster responses to problems and emergencies, preventing further water loss. This project aligns with goals in the City's five-year Capital Improvement Plan.	$ 75,000		
2018	Rancho California Water District	Identifying and Reducing Water Loss through the Establishment of a District Metered Area	Rancho California Water District in Temecula, California, will create a District Metered Area that will function as a permanent water loss control system. Creation of the District Metered Area will include the installation of two production meters to measure the quantity of water entering the area, utilize existing software to locate inaccurate residential meters, and upgrade inaccurate meters to new Ultrasonic Metering Technology. The project will increase water management and minimize water loss. The project is supported by goals in the District's Blueprint for Water Use Efficiency.	$ 70,500		
2019	Ollivenhain	Advanced Metering Infrastructure Water Use Efficiency	The Olivenhain Municipal Water District will install 6,044 Meter Transmitting Units and relocate 2 Tower Gateway Base Stations. This work will connect 27% of the users to the updated system (from 47% to 74%). It is estimated that this project will save 900 acre-ft of water annually.			
2019	City of Newport Beach	Advanced Metering Infrastructure Implementation Program Phase II Project	The City of Newport Beach in Newport Beach, California will improve their metering system by upgrading 26,309 existing meters with an AMI fixed-base network system. AMI radio transmitters, collectors, and software will automatically collect and store hourly consumption data. The project is expected to result in water savings of 1,157 acre-feet annually that is currently being lost to unauthorized consumption, metering inaccuracies, and systematic data handling errors. The conserved water will remain in the local groundwater basins and/or would not be imported.			
2019	Long Beach Water Department	Advanced Metering Infrastructure Installation Project to Increase Water and Energy Efficiency, Group 2	The Long Beach Water Department will replace 11,397 meters with AMI, increasing water supply reliability and supporting water conservation and management efforts. It is estimated the project will save 1,367 AF/year, as well as reduced energy consumption and time/labor cost associated with manually reading meters. Water conserved through the project will supplement the City's finite water supply from the Central Groundwater Basin and reduce dependence on imported water purchased from Metropolitan Water District.			

2019	City of Santa Ana	Drought Resiliency Project to Improve Water Management through Advanced Metering Infrastructure and Modeling Information to Track Water Consumption Demand and Use, Group 1	The City of Santa Ana in Santa Ana, CA will replace 11,250 manual water meters with updated advanced metering infrastructure (AMI) meters. AMI will provide real-time operational modeling information, establish a distribution leak detection system, and provide water-consumption data to allow individuals to manage their water usage. The project is expected to result in water savings of 371 acre-feet annually that is currently being lost to seepage and meter inaccuracies. Water saved through the project will be available for future use, including municipal uses, in an area experiencing increased water demands.			
2019	City of Oceanside	Advanced Metering Infrastructure Phase I Project	The City of Oceanside will be retrofitting 21,689 meters to AMI. The project will include a customer portal for education and awareness on water usage and inefficiencies and is estimated to save 1155 AFY. The saved water will help reduce the dependency on imported water and benefit recreation, residential, commercial, ag and irrigation customers.			
2019	Moulton Niguel Water District	Advanced Meter Implementation Program Phase III	The Moulton Niguel Water District in Laguna Niguel, California will carry out phase III of their advanced meter infrastructure project. Phase III consists of installing 45,408 AMI radio transmitters into the existing single-family smart meter boxes. The project is expected to result in water savings of 1,580 ac-ft annually that is currently being lost to consumer leakage. The project addresses water reliability concerns by reducing water loss due to leaks in a drought-stricken region. The water saved by this improvement will be used to meet current allotments in drought years and otherwise be left in the system for the benefit of other water users.			
2019	City of Yorba Linda	Advanced Metering Infrastructure Project, Phase I	The Yorba Linda Water District will install new AMI meters or retrofit existing meters for individual water users. The project is focused on upgrading 2,892 current manual-read meters, retrofitting 8,027 radio-read meters, and 3,191 registers to automatic metering infrastructure. The new communication dataset will allow the District to be more proactive with leak detection/correction. Water savings are estimated to be 1,473 acre-feet annually.			
2019	City of Buenaventura	Ventura Water Advanced Meter Infrastructure Conversion, Final Phase	The City of Buenaventura is pursuing an AMI project for their City meters. This project includes the meters themselves, installation, and fixed area network support for the meters. This project proposal anticipates a savings of 258 AF of water through leak remediation at the site of the meter, and through leak detection with a system capable of hourly readings. This savings will allow Buenaventura to divert less water from the river and stream system in the district, pump less groundwater, and draw less water from Lake Casitas. They anticipate the water saved to stay in the water systems and underground.			

2019	Palmdale Water District	Landscape Water Use Efficiency Project — Phase 2	Palmdale Water District will provide incentives for approximately 56 residential customers to replace approximately 92,000 square feet of turf with water-efficient landscaping. This is the second phase of the district's existing residential turf replacement program. The stated impacts for the district are fewer water deliveries through the treatment plant, reduced requirements for pumping energy, overall increase in water efficiency, and reduced demands for trans-basin diversions from the Central Valley Project.			
2019	Helendale Community Services District	Helendale Community Services District AMI Smart Meter Installation Program - Phase II	Helendale Community Services District in Helendale, California will replace an outdated system with 800 existing meters with smart meters and 425 advanced metering infrastructure radios. This is the second phase of the project to modernize equipment in the service area. The project will assist with future water planning and water conservation efforts. Water loss will be reduced by recording more accurate information, which will lead to more conserved water and improve the overall reliability of the water supply.			
2019	City of Hesperia	Water Service Relocation Program, Phase 1	The City of Hesperia, California will connect water services to new, already installed pipelines in new locations to replaced deteriorating pipelines that were leaking and affecting the city's water quality. The city reports that there are on average 837 leaks per year. Phase 1 of the project will impact 183 residential customers. The stated benefits are enhanced water conservation, improved water quality, reduced operating costs for the city, reduced exposure to damage to private property due to location of previous pipelines, improved public safety due to reliability of the new system,			
2019	City of Big Bear Lake Department of Water and Power	City of Big Bear Lake Department of Water and Power Water System Facilities Automation Project Phase III	The City of Big Bear Lake-Department of Water and Power, located in Big Bear Lake, California will conduct multiple interrelated efficiency projects that will modernize existing infrastructure. SCADA and upgraded telemetry figure prominently in their plans.			
2019	City of Pasadena Water and Power Department	Spray-to-Drip (S2D) Residential Irrigation Conversion Program	The City of Pasadena's Water and Power Department will convert residential landscape from spray irrigation systems to more efficient drip irrigation systems for 600 customers, with a goal of converting 240,000 square feet of residential landscape. The stated benefits of this project are water conservation, energy savings, reduced runoff, and reduced pollution of surface and groundwaters.			
2019	Rancho California Water District	Production Meter Upgrade Project	The Rancho California Water District, located in Temecula, California will purchase 16 meters; with these meters they will detect leaks quicker and repair them quicker, decreasing water losses.