Southern California Area Office Water Conservation Field Services Program Grants
(based on original awarded amount)

Year	Recipient	Project Title	Description	Reclamation Contribution	Water Savings
2006	California Urban Water Conservation Council	Market Research Survey for Landscape Task Force	The project will create a market research survey for implementation by the Landscape Task Force.	$ 50,000	
2006	City of San Diego	Mapping Interface Enhancements to Urban Vegetation Satellite Imagery	The project will increase landscape efficiency through water audits with an estimated savings of 15% by using satellite imagery.	$ 14,151	200 acre-feet
2006	Eastern Municipal Water District	California Friendly Median/Large Landscape Irrigation System Rebate Program	*California Friendly Median/Large Landscape Irrigation System Rebate Program* will target landscape water use in medians, parkways and large landscapes Multiple benefits include an estimated 20% reduction in water use totaling 50.4 afy; runoff reduction; knowledge transfer; and reduced demand for imported water supply.	$ 50,000	50 acre-feet
2006	Lake Arrowhead Community Service District	Automatic Meter Read	The project proposes to install an Automatic Meter Reading (AMR Project) to increase water use efficiency to offset future demands on the District's limited water supplies.	$ 50,000	2,500 acre-feet
2006	Long Beach Water Department	eWaterUpdate	The purpose of this project is to help people use irrigation timers more efficiently by notifying them, via email, when their timer should be adjusted and by how much.	$ 23,636	
2006	Long Beach Water Department	Outdoor Water Use Efficiencies	The purpose of this project is to implement three activities within an urban school: (1) replace irrigation system , (2) purchase and install of weather-based irrigation controller and (3) the design and construct a demonstration garden.	$ 92,000	
2006	Mission Resource Conservation District	Irrigation Technology Demonstration Project	The purpose of the project is to achieve water savings by changing the attitudes and behaviors of residential and agricultural water users with regard to the decisions they make about how to manage and conserve water outdoors.	$ 42,938	
2006	Metropolitan Water District	World Water Forum	The purpose of the program is to underscore the importance of water quality and conservation issues, Metropolitan Water District of Southern California (MWD) along with other partners will establish a grant competition for community colleges and universities. Grants will be offered for research and development on the implementation of water-use efficient concepts or technology that can be cost-effectively implemented in water-stressed regions, locally or internationally.	$ 50,000	

2006	Metropolitan Water District	Innovative Conservation Program	The ICP provides grant funding to explore the water and energy savings potential and practicality of new water conservation technologies. The ICP projects will enhance existing data and/or generate new data on innovative water/energy conservation technologies.	$ 300,000	1,400 acre-feet
2006	Otay Water District	Cash to Grass	The Cash to Grass Project will focus on working with a developer to install water-wise landscapes in front yards within a development or directly with the new homeowners. The more visible the water-wise landscape, the better chance it has of catching on with the developer community as well as with the new homeowner.	$ 50,000	8 acre-feet
2006	County of Riverside	Wood Crest Library Water Wise Garden	The purpose of this funding is toward construction of a Water-Wise Garden as an educational and conservation resource for public in the County of Riverside.	$ 30,000	
2006	City of San Fernando	Conservation Garden - Heritage Park	Heritage Park will be constructed on a vacant City 3 acre parcel to include a conservation garden with native plantings, riparian plantings, dry stream bed system to retain storm water, and the installation of an irrigation water management system using CIMIS, and educational signage identifying plant material.	$ 30,000	
2006	San Jacinto Basin Resource Conservation District	Forage Crop Irrigation Demo	This project provides for the demonstration of precision irrigation management and scheduling strategies for dairymen growing forage crops (primarily alfalfa) in the San Jacinto Valley of western Riverside County. The project will improve irrigation efficiency and application uniformity, improve crop yields and prevent crop stress.	$ 50,000	
2006	West Valley Water District	Conservation Study and Plan Development	The District will develop a water conservation plan for its service area and conduct a pilot study to identify whether ET controllers or moisture sensing irrigation controllers generate significant water savings within the two microclimate zones	$ 26,012	
2007	California Urban Water Conservation Council	Smart Urban Landscapes	The Council will develop guidelines and residential landscape design templates that will facilitate the installation of more water efficient landscapes, promote the use of innovative irrigation technologies, and improve the public's understanding of good water management, thus achieving the highest potential outdoor water savings at the lowest practical cost.	$ 50,000	60,000 acre-feet
2007	Elsinore Valley Municipal Water District	Multi-Stream Rotor Sprinkler Head Retrofit Program	The District intends to run a sprinkler retrofit program that will reduce the need for imported water, save customers money, and reduce irrigation runoff in their service area. EVMWD will supply Multi-stream rotor sprinkler heads (MP rotor) to customers, verify installation and scheduling, and then track water savings.	$ 20,000	320 acre-feet

2007	Joshua Basin Water District	Desert Water Conservation Demo Project	The District proposes to develop a set of professional residential landscape plans unique to the High Desert. The landscape plans will be developed to meet the requirements of the model landscape ordinance for single family homes. The model landscape ordinance will limit water usage in new development.	$ 25,000	10,000 acre-feet
2007	Los Angeles Department of Water and Power	Residential High Efficiency Clothes Washer Instant Rebate Program	The District proposes to implement a pilot project to assess the effectiveness and determine the relative strengths/weaknesses associated with offering a high efficiency clothes washer (HECW) point-of-sale (instant) rebate to LADWP customers.	$ 50,000	30 acre-feet
2007	Los Angeles San Gabriel Rivers Watershed Council	Residential Landscape Retrofit Demonstration for Water Conservation and Water Supply	The Project will demonstrate how Low Impact Development Strategies can be applied to existing urban infrastructure to address runoff management, water conservation pollution reduction and treatment, flooding, and habitat creation by retrofitting a residential street with state-of –the-art Best management Practices (BMP's).	$ 75,000	2 acre-feet
2007	Municipal Water District of Orange County	Water Loss Management Program	MWDOC's goals for the project are to quantity municipal water system losses and identify the source of those losses. The investigation will use international methods adopted by the AWWA/IWA in water auditing and water balance, and utilize spreadsheet software prepared and adopted by the AWWA/IWA Water Loss Control Committee.	$ 65,000	4,754 acre-feet
2007	San Diego County Water Authority	Residential Water Budget Pilot Program	This pilot program will provide landscape water budgets to the top 25% of single family residential lots using aerial imagery to measure the landscape.	$ 67,400	125 acre-feet
2007	West Basin Municipal Water District	Water Efficiency Equipment Installation	The District will implement an innovative CII Program that provides business and facilities with incentives, resources, and technical assistance to install water efficient equipment. The program will inspect as many as 100 cooling tower sites and 100 industrial sites to determine potential participation of the business or industry.	$ 66,000	120 acre-feet
2007	Western Municipal Water District	Water Conservation Demonstration Project	The Demonstration Program includes several focused activities intended to increase efficiency and reduce outdoor water use for residential and high water commercial/industrial/institutional (CII) consumers with the District's retail service area. The Demonstration Program activities include irrigation retrofits for large landscapes and preparation of educational tools for residential landscaping.	$ 74,085	75 acre-feet
2008	City of Corona	Residential Pilot Program	The City proposes to coordinate and administer the direct installation of Weather Based Irrigation Controllers – a Residential Pilot Program that will reduces the need for imported water, save customers money, and reduces irrigation runoff in their service area.	$ 30,000	240 acre-feet/year

2008	Metropolitan Water District	Innovative Conservation Program	The ICP provides grant funding to explore the water and energy savings potential and practicality of new water conservation technologies. The ICP projects will enhance existing data and/or generate new data on innovative water/energy conservation technologies.	$ 228,000	200 acre-feet
2008	Municipal Water District of Orange County	Industrial Process Expansion Program	The program provides businesses with engineering surveys to identify water saving process improvements and offers financial incentives to help implement the recommended changes. The Program targets the following four industry sectors: Food Processing, Textile Manufacturing, Metal Plating, and Electronics Manufacturing. Reclamation funding will assist MWDOC in continuing this program effort.	$ 115,000	603 acre-feet
2008	Rancho California Water District	Demo Study-Avocado Groves	The District is proposing the use of weather-based smart irrigation controllers at avocado groves in the Rancho California Water District service area.	$ 100,000	20% reduction
2008	San Diego County Water Authority	Smart Landscape Retrofit Program	The project will consist of researching, developing, and implementing a comprehensive and integrated water-efficient landscape retrofit program targeting common interest developments. The project will integrate several ongoing elements from SDCWA's landscape conservation program.	$ 100,000	441 acre-feet
2008	West Basin Municipal Water District	Water Conservation Plans	The District will assist its water purveyors in developing their own local water conservation plans.	$ 100,000	
2009	City of Long Beach	Drought Resistant Garden	The Department is proposes to develop a water conservation education and sustainable drought-resistant landscaping technology demonstration garden on the site of the Aquarium of the Pacific in Long Beach.	$ 80,000	
2009	Eastern Municipal Water District	Landscape Information Database	The District proposes developing a Landscape Information Database that will update and improve the accuracy of landscape areas estimated for over 130,000 of EMWD's customers. When used in the implementation of the allocation based water rate it is estimated that this program could improve water efficiency approximately 5% over the implementation of the rate without this database.	$ 10,000	400 acre-feet
2009	Inland Empire Utilities Agency	California Friendly Landscape Program	The Agency is proposing to provide rebates for 33 or more residential landscape sites and 36 or more residential landscape audits as funding becomes available. The Agency proposes to provide a workshop series for residents and professionals and develop and distribute a landscape manual.	$ 30,000	25 acre-feet

2009	Los Angeles San Gabriel Rivers Watershed Council	Green Alleyway Landscape Retrofit	The project will retrofit an alleyway using state of the art Best Management Practices (BMP's) to demonstrate how Low Impact Development strategies can be applied to retrofit urban infrastructure. The purpose of the study is to explore the potential for increasing local water supplies and reducing urban runoff pollution by increasing infiltration of storm water runoff.	$ 25,000	
2010	Metropolitan Water District	Conservation Market Study	The District is evaluating its urban incentive programs to determine the most efficient use of financial resources to achieve maximum water savings. The results of the study will provide a direction for Metropolitan's future conservation programs.	$ 150,000	10,000 acre-feet
2010	Metropolitan Water District	World Water Forum	The purpose of the program is to underscore the importance of water quality and conservation issues, Metropolitan Water District of Southern California (MWD) along with other partners will establish a grant competition for community colleges and universities. Grants will be offered for research and development on the implementation of water-use efficient concepts or technology that can be cost-effectively implemented in water-stressed regions, locally or internationally.	$ 100,000	
2011	City of Anaheim	Water Use Efficiency Master Plan	The project will develop and adopt a forward-thinking Plan that will outline specific program concepts and optimal delivery methods for each water-saving technology under consideration. Using a board economic analysis, the costs and benefits for each program concept will be provided in order to establish the recommended program mix and implementation options. The City will develop performance measures to evaluate progress and monitor timing and resource requirements of the recommended programs to ensure water use efficiency can be achieved in a cost effective manner.	$ 72,000	29,500 acre-feet
2011	West Basin Municipal Water District	Landscape Irrigation Program	The program will provide landscape surveys and high-efficiency irrigation nozzles to residents and the Commercial, Industrial and Institutional (CII) sectors throughout the District's service area.	$ 100,000	1,478 acre-feet

2011	City of Corona	Water Use Efficiency Master Plan	The plan will identify the large water consumers in the City and create strategies it improve their efficiency. The Plan will also identify cost-effective and innovative capital improvement projects that will help conserve water including increasing reclaimed water use, groundwater recharge, and updating inefficient and outdated infrastructure. One of the most important objectives of the plan is to pave the way to identify and prioritize water conservation projects that will help the City achieve their 20% by 2020 State mandated target. The plan is estimated to reduce per capita use by 16 gallons per day.	$ 100,000	
2011	Upper San Gabriel Municipal Water District	Water Conservation Master Plan	The purpose of the proposed project is to develop a Water Conservation Master Plan for the Upper District with the objective of utilizing it as a tool for effectively implementing conservation measure to augment water use efficiency and achieve increased water savings.	$ 95,000	
2011	Municipal Water District of Orange County	Water Use Efficiency Master Plan	The purpose of the Water Use Efficiency Master Plan is to develop a written plan defining how MWDOC will comply with the new state goal of a 20-percent reduction in municipal and industrial water use by the year 2020.	$ 75,000	
2011	Los Angeles Department of Water and Power	Power Distribution System Water Audit and Component Analysis	The purpose of this project is to conduct a Distribution System Water Audit and Component Analysis that will examine the efficiency of the LADWP's water distribution system to evaluate real and apparent losses.	$ 100,000	603,616 acre-feet
2011	Municipal Water District of Orange County	Water Smart Landscape Program Enhancement	The program is designed to provide short-term and long-term training, on-site assessment and certification by providing educational workshops, and cost/benefit measurement tools in combination with site specific assessment. It is estimated that 6,700 acre-feet per year will be saved by this program.	$ 100,000	6,700 acre-feet

2011	Metropolitan Water District of Southern California	Landscape Water Use Efficiency Research	The Landscape Water Use Efficiency Applied Research Project will conduct field research and analyses to encourage the development of innovative outdoor water management technologies and practices. MWD seeks to leverage its research funding by cost sharing with Reclamation to (1) conduct water savings analysis for smart controllers that have been installed for more than four years using regional data, and (2) identify water savings opportunities by surveying conditions for landscape water use behaviors and use of irrigation devices within MWD's service area.	$ 60,000	
2011	Irvine Ranch Water District	Joint Energy and Water Pilot Program	The purpose of the pilot program is to determine the effectiveness of integrating a water component into Southern California Edison's existing small and medium-sized business non-residential audit program. Success integration will benefit the water and energy utility customers by offering them an integrated, water and electric energy audit.	$ 73,500	31 acre-feet
2011	Eastern Municipal Water District	Water Efficient Guidelines for New Development	The goals of the program are to 1). Discover and review water use efficiency practices, 2). Recommend applicable portions, 3). Develop water savings potential, 4). Publish a guidebook.	$ 50,000	154 acre-feet
2011	National Water Research Institute	Quantify Urban Water Use and Costs due to Salinity	The program will focus on the assessment and development of potential mitigation strategies to respond to high concentrations of salinity in imported water from the Colorado River and local water.	$ 100,000	3 acre-feet

2012	City of Corona	Centralized Irrigation Controllers for Targeted District Schools	The purpose of the project is to conserve water. They City request grant funds to purchase and install centralized weather-based irrigation controllers at five separate elementary school sites. Installation of state-of-the-art, wireless weather-based centralized controllers will create a centralized network throughout and existing irrigation system. Overall, the City estimates that he proposed project will save an estimated 400 AF over the next 20 years.	$ 50,000	400 acre-feet
2012	Municipal Water District of Orange County	California Sprinkler Adjustment Subscription System	The proposed California Sprinkler Adjustment Subscription System (CSASS) seeks to encourage and promote implementation of water efficiency measures. The system will email an ET index to subscribed homeowners or businesses with automatic sprinkler systems that have a percent adjust feature. The proposed SCASS will streamline access to the Sprinkler Adjustment Index by pushing the information out to subscribers who request voluntary participation. The proposed program will save an estimated 260 AF over 5 years.	$ 34,800	260 acre-feet
2012	Mesa Consolidated Water District	Water Use Efficiency Benchmarking and Master Plan	The purpose of the proposed Water Use Efficiency Benchmarking and Master Plan for Mesa Consolidated Water District is to quantitatively benchmark Mesa Water's water use efficiency program and activities, and to develop a written plan defining how Mesa Water will comply with the new State goal of a 20-percent reduction in municipal water use by the year 2020. The objective is to implement the Master Plan to achieve the water savings goal at the lowest possible cost while maintaining a balance of quality programs desired by customers and the general public throughout Mesa Waters' service area.	$ 50,000	

2012	Chino Basin Water Conservation District	Chino Basin Residential Weather Based Irrigation Controller Install Program	The Chino Basin Residential Weather Based Irrigation Controller Install Program (Program) will install 300 Weather Based Irrigation Controllers (WBIC's) to residential homes within the District's service area and provide two years of data monitoring. The Program will provide better irrigation management for 300 residential accounts and the reduction of approximately 225 acre feet per year (AFY) of water supply year-round. Indirect benefits from reduced water use include reduced energy costs and greenhouse gas emissions from water conveyance, deferred generation of new water sources, and water quality benefits from reduced urban runoff.	$ 91,889	225 acre-feet
2012	Municipal Water District of Orange County	Spray-to-Drip Conversion Pilot Project	The Spray-to-Drip Conversion Pilot Project (Project) will demonstrate water savings and increased efficiency of irrigation systems. The outcome is an anticipated water savings benefit of 188 acre-feet per year. The statistically quantified water savings established through the Project will contribute to setting rebate rates for a broader program within the MWDOC and Metropolitan Water District of Southern California's (MWD) service areas. The Project can be used as a template for new irrigation conversion programs and its structure can be emulated by any agency thereby making implementation more efficient.	$ 67,017	188 acre-feet