

2006 Field Services Program

	Recipient	Grant Award	Contractor Contribution	Grant Purpose
1	City of Roseville	25,000.00	55,512.00	This project will install ET controllers and a weather station, promote public education through the Living Wise program and install a demonstration water-wise mini-city exhibit
2	Tranquility Irrigation District	25,000.00	25,240.00	Study of possible interconnections between Tranquility ID in up to 3 locations with James ID and up to 4 locations between Tranquility ID and Fresno Slough WD.
3	James Irrigation District	25,000.00	25,273.50	The purpose of this grant is to provide funds for the purchase and installation of 26 flow meters, including 24 open channel propeller flow meters and 2 saddle meters, at water user turnouts in the James Irrigation District (JID).
4	Reclamation District 108	160,200.00	318,800.00	The plan objective is to conduct a cooperative study to assist in determining the appropriate level of water measurement within the service areas of the Sacramento River Settlement Contractors (SRCS). Through data collection, interviews and data analysis
5	Colusa Drain MWC	25,000.00	25,000.00	The objective of the plan is to work with other Sacramento Regional Criteria for Evaluating Water Management Plan participants to efficiently manage water in the Colusa Sub-basin and address CALFED's targeted benefits and quantifiable objectives applicable
6	Coming Water District	25,000.00	26,441.00	This project will replace an old, marginally effective, hardwired telemetry system at the District's c-7 pump station with a modern SCADA control system. The C-7 facility is a lift station whereat eight various sized pumps take water from a holding reser
7	Tehama-Colusa Canal Authority	40,097.00	42,825.00	This project will improve measurement accuracy of Doppler technology over the existing venturi meter technology. With higher water costs driving irrigation practices to more efficient mean, such as drip and buried tape, the accuracy of the canal side met
8	Turtle Bay Exploration Park	50,000.00	60,120.00	This project will further the ongoing water conservation education activities at Exploration Park and will purchase hardware to centralize irrigation control and operate the system with increased efficiency.
9	Saucelito Irrigation District	34,800.00	34,800.00	Installation of a 10 hp variable frequency drive (VFD) system and associated appurtenances at Pumping Plant A2 and installation of a 20 hp VFD at Pumping Plant C2
10	Fair Oaks Water District	17,417.00	17,417.00	This project will provide funds for the FOWD Conservation Reporting Module. Water conservation planning elements within the programming of the added conservation reporting module will allow the district to review water consumptions on a quarterly basis re
11	Casitas Municipal Water District	25,000.00	30,883.00	Ag Water Audit Program
12	Orland-Artois Water District	15,000.00	15,543.00	The purpose of this program is to automate a well facility using a SCADA system. It will then be integrated into an existing system. This will allow the well to be operated and monitored as an integral part of the OAWD irrigation delivery system.
13	NW Kern RCD	50,000.00	122,000.00	Irrigation System Evaluations-The proposed project is for Water Conservation Planning, Water Conservation Education, Demonstration Projects or Implementation
14	Placer County Water Agency	20,000.00	20,000.00	This grant will provide rebates for replaing high water use toilets with ultra low flush toilets and to replace washing machines with high efficiency washers.
15	San Juan Water District	25,000.00	40,646.00	This project will provide rebates for high-efficiency clothes washers, hot water on demand systems and irrigation efficiency improvements.
16	Del Puerto Water District	23,710.00	29,644.00	Metering Improvement Project-installation of Doppler Water Meters
17	Fresno Irrigation District	25,000.00	67,000.00	Thompson Canal Headgate Improvement Project (Telemetry Program) - Purchase and installation of a Langemann style overshot automatic canal gate and the necessary telemetry equipment required for remote flowrate monitoring of the gate.
18	Columbia Canal Company	21,000.00	21,000.00	Long Crested Weirs-for better controlling water levels in the main canals with flexible operation while reducing labor input.
19	Firebaugh Canal Water District	25,000.00	68,000.00	Canal Lining - approximately 5,500 ft of earthen irrigation water conveyance ditches with concrete to eliminate all or most of the water lost to a saline sink. The earthen ditches will be backfilled, compacted, trenched and poured with concrete.
20	Shafter-Wasco Irrigation District	25,000.00	30,000.00	Outlet Replacement Project - replace all low-head outlets
21	Kern-Tulare Water District	25,000.00	26,239.00	Elmo System SCADA Project-install SCADA system to remotely monitor and control the Elmo Pumping Plant.
22	Santa Ynez River WCD	5,000.00	5,003.32	Ultra Low Flow Toilet Rebate Program -
23	San Luis Canal Company	25,000.00	35,000.00	Retrofitting existing check structures into Long Crested Weirs- retrofit three existing check structures in the canals into modern Long Crested Weirs for a precise upstream water level control in the canals of the San Luis Canal Company.
24	Delano-Earlimart Irrigation District	21,500.00	21,500.00	Web based water use and conservation data acquisition by District Water Users - to allow Delano Earlimart to enhance their existing website to include secured access by water users to water accounting information on a real-time basis.
25	Solano Irrigation District	35,000.00	104,200.00	This Spill Measurement SCADA project will add real-time data acquisition and radio telemetry to the District's existing spill measurement program, which currently includes spill measurement devices at 27 canal sites. The project will enable remote monitoring.
26	El Dorado Irrigation District	25,000.00	68,745.00	Agricultural-Urban weather station/agricultural soil moisture measurement/smart water application technology
27	Placer Nature Center	8,000.00	8,400.00	The primary purpose of this project is to assist in the implementation of public and school education.
28	Westside Water District	25,000.00	25,000.00	The purpose is to promote increased water savings throughout the District, maximize irrigation efficiency, and to comply with current criteria required under the District's Water Management Plan, including BMPs. The program would provide landowners with

2006 Field Services Program

29	California Water Institute	40,000.00	40,000.00	Develop Regional Water Plan - 8 county area of the Southern San Joaquin Valley of California- produce guidelines for sustaining water reliability, water quality, flood control and environmental restoration in the area
30	Orange Cove Irrigation District	25,000.00	25,000.00	Turnout 9 Rehabilitation Waterproofing and Potential reconstruction - waterproofing of the entire interior surface area of the sump to prevent future leakage and/or rehabilitating/reconstructing the sump as required.
31	City of Santa Barbara	43,500.00	23,750.00	Sustainable Landscaping Television Series and Website Update - Educate homeowners about sustainable landscaping techniques including selection of water wise plants, understanding soil, efficient irrigation systems and irrigation scheduling.
32	Alpaugh Irrigation District	15,000.00	15,000.00	Deep Well Metering Installation Program-installation of 13 flow meters at groundwater pumping locations
33	Friant Water Authority	75,000.00	93,361.00	Friant-Kern Canal Automation Improvement Project - remotely monitor all turnouts of 25 cfs or more for the purpose of regulating pool levels and remotely tracking deliveries to districts to efficiently manage releases from Millerton.
34	Goleta Water District	18,200.00	22,585.00	Mobile Water Conservation Van Demonstration Project-convert an existing District vehicle into a mobile conservation tool to aggressively promote outdoor water surveys to single family, multi family, commercial, industrial, and institutional water users.
35	Friant Water Authority	25,000.00	25,000.00	Regional Elements of the Friant Division & Cross Valley Canal Contractors Water Conservation Plan
2006 TOTALS		1,093,424.00	1,614,927.82	

2007 Field Services Program

1	Fresno Irrigation District	50,000.00	105,000.00	Herndon Regulating Structure at the Gould Extension Spill (purchase and install of an automatic canal gate and the necessary telemetry equipment required for remote flow rate monitoring)
2	North West Kern RCD	50,000.00	84,000.00	Irrigation Systems Evaluations - Mobile Irrigation Lab
3	Henry Miller Reclamation District	50,000.00	75,150.00	Flow Rate and Water Quality Monitoring Sites Upgrade - Installation of two Doppler flow meters integrated with data loggers to measure water velocity and depth with a high level of precision at two drainage outlets of the Henry Miller Reclamation District
4	Arvin-Edison Water Storage District	50,000.00	50,000.00	Modernization/Automation of Canal Operation Utilizing SCADA, increase delivery flexibility utilizing a check structure, and installation of flow measurement devices to assist in accounting of water recharge/spreading.
5	City of Santa Barbara	19,125.00	19,840.00	Rain Sensor Rebate Program
6	Tulare Irrigation District	50,000.00	70,000.00	Tagus Basin Automation Project - Install an automated gate at the outlet of the basin to allow the basin to be utilized as a regulating and recharge basin. Intends to increase the amount of flexibility in meeting water user's demands.
7	Tehama-Colusa Canal Authority	49,919.00	57,740.00	The purpose of this project is to demonstrate improved measurement accuracy of Doppler technology over the existing venturi meter technology.
8	San Luis Canal Company	50,000.00	55,000.00	Retrofitting existing check structure into Long Crested Weirs - This proposal is a combination of Water Conservation Planning project and implementation of water conservation measures.
9	Tranquillity Irrigation District	50,000.00	54,056.00	Mendota Pool Telemetry Project-The proposed project includes the purchase, installation and programming of telemetry/SCADA equipment at four locations.
10	Bella Vista Water District	50,000.00	116,532.00	The district will install additional master meters at 2 locations feeding into 2 of its pressure zones and replace a number of older meters throughout the District.
11	Cal Poly Corporation	50,000.00	50,000.00	The purpose of this grant is for the Irrigation Training and Research Center (ITRC) to construct and install 5 flap gates, which are simple, inexpensive hydraulic gates for automatic upstream water level control, and one modified flap gate (Vlugter gate).
12	Corning Water District	25,000.00	26,514.00	The Phase IV C-6 Pump Station SCADA Conversion Project includes replacing an old, marginally effective, hardwired telemetry system at the District's C-6 pump station with a modern SCADA control system.
13	Firebaugh Canal Water District	50,000.00	110,000.00	Second Lift Canal Lining Project-Lining approximately 3,500 feet of earthen irrigation water conveyance ditches with concrete to eliminate all or most of the water lost to a saline sink.
14	Westlands Water District	50,000.00	194,000.00	Online Automated Services to Supply Zone specific reference evapotranspiration to Water Conservation Coordinators for Westlands Water District and Santa Clara Valley Water District-pilot project will be to evaluate patented technology to support MP region.
15	James Irrigation District	27,400.00	27,400.00	Water Metering Program-purchase and install 24 flow meters. New Meters are to be placed at turnouts with average District diversion, the new meters will measure 24/356 x 78,162 af = 5,139 af/yr. The meters are expected to have a life expectancy of 30 years.
16	Kanawha Water District	49,600.00	49,600.00	The purpose of this grant is to install Canal Side Facilities SCADA System for Phases 4 and 5.
17	Turtle Bay Exploration Park	49,721.00	74,029.00	The request is in support of Water Conservation Education consisting of 4 components: 1) Docent training and presentation, 2) Museum Teen Volunteer interpretation, 3) Educational program implementation and 4) Informational publications
18	Placer Nature Center	10,000.00	10,400.00	Water resources and conservation education of school children, kindergarten through middle school.
19	Fair Oaks Water District	19,410.77	19,410.77	This project will assist FOWD in implementing BMPs for 1) system water audits, leaks, detection and repair; 2) reading water meters on all water service connections; 3) metering with commodity rates; 4) water survey programs for single-family and multi-family units.
20	Anderson-Cottonwood ID	30,000.00	30,000.00	Piping of approximately 300 feet of an earthen irrigation canal in an area of high soil porosity. The Churn Creek Lateral is characterized by significant leakage throughout its length, and a major portion of this leakage occurs within the reach targeted.

2007 Field Services Program

21	Placer County Water Agency	20,000.00	20,000.00	This program will help educate the public on water use efficiency and enhance the awareness to conserve water indoors. Customers learn about new technologies, such as the high-efficiency washing machines and how they save water.
22	Solano Irrigation District	25,000.00	30,000.00	This project will enable SID to replace existing standard propeller flow meters with new state-of-the-art flow meters, which provide greater accuracy, reliability, and data-logging capability.
23	City of Roseville	47,450.00	66,125.00	This program will fund 4 projects: 1) Roseville utility exploration center greenhouse exhibit, a water conservation demonstration facility; 2) continuation of the Living Wise program, an educational program aimed at 6th graders to implement small changes
24	Solano County Water Agency	50,000.00	75,720.00	This project will identify and install SMART controllers and HETs in CII accounts.
25	San Juan Water District	50,000.00	50,192.00	This project consists of a rebate program for high efficiency washing machines, turf replacement and irrigation improvement program.
26	El Dorado Irrigation District	50,000.00	50,000.00	This project will implement a water efficient toilet replacement program to provide rebates to purchase HET and ULFT.
27	City of Folsom	45,426.00	136,278.00	The project will provide assistance to approximately 12,000 residential water customers being converted from flat rate water charges to volumetric charges based on metered consumption.
28	Orange Cove Irrigation District	25,000.00	25,000.00	Irrigation Meter Development-replace existing flow meters on the discharge side of the Districts pump stations with new digital devices.
2007 TOTALS		1,143,051.77	1,731,986.77	

2008 Field Services Program

1	Solano Irrigation District	6,000.00	10,000.00	Irrigation management weather station and weather services. Install a research grade weather station west of Dixon and provide growers with phone and website access for irrigation scheduling.
2	Solano County Water Agency	50,000.00	117,734.00	HET installation program
3	Henry Miller RD No. 2131	50,000.00	110,000.00	Retrofitting existing check structures into Long Crested Weirs - Retrofit 5 existing check structures in the canals into modern Long Crested Weirs for a precise upstream water level control in the Delta canal system of the Henry Miller RD.
4	Delano-Earlimart Irrigation District	25,000.00	25,000.00	Lateral Turnout Improvement Projects at Delano-Earlimart ID - will improve existing system of accounting for the delivery, evaporatio, losses and possible leaks in the pipeline delivery system as well as improve the water measurement technologies utilized
5	San Luis Canal Company	50,000.00	165,000.00	Retrofitting existing check structures into automated flow control structures - Retrofit two existing check structures in the canals into modern automated flow control structures for a precise flow rate control in the "T" pool on the Delta Canal System do
6	Santa Barbara CWA	36,206.00	36,995.00	Water Wise Landscaping CD Project - CD will educate water users on water wise landscaping on multiple levels, including a large database of water wise plants, sample landscapes designs and best practices for landscaping and irrigation.
7	Firebaugh Canal Water District	50,000.00	69,020.00	Purchase and installation of traveling/self-cleaning water screens (four) on pump locations thru out the District to maintain a more constant water level in its conveyance system to improve system operation and spill reduction.
8	Solano Irrigation District	25,000.00	35,000.00	Automated headworks screen rake
9	NW Kern RCD	25,000.00	122,500.00	Irrigation System Evaluations - The mobile lab provides technical assistance to land owners to aid them in the efficient use of their irrigation water.
10	James Irrigation District	35,236.00	50,000.00	Water Conservation Project-Construct a drain water reuse system, update propeller flow meters within the district, and excavate the "E" Basin which will increase storage to capture more spill.
11	Fresno Irrigation District	30,000.00	150,000.00	Regulating Structure at Jameson Pond-purchase and installation of an automatic canal gate and the necessary telemetry equipment required for remote flow rate monitoring at a critical location on the Lower Dry Creek Canal.
12	Chowchilla Water District	50,000.00	74,276.00	District Wide ITRC Flap Gate Expansion Project-installation of 30 ITRC Flap gates on canal check structures and construction of a broad-crested weir at the heading of Bethel Canal.
13	San Joaquin River Exch Cont WA	10,000.00	10,000.00	Develop website access to Water Conservation data-will provide landowners an educational tool for easy access to information pertaining to conservation programs and publications.
14	Santa Barbara CWA	20,000.00	20,000.00	Measure to protect Cachuma Lake from Quagga Mussels-grant funds will provide resources to develop an effective prevention program, onsite.
15	Tulare Irrigation District	50,000.00	50,000.00	Flume Measuring Station - install a measuring station on a critical point in the District canal system that will increase the accessibility to flow information that will greatly improve the ability to manage water within the Rockyford canal and Cameron Cr
2008 TOTALS		512,442.00	1,045,525.00	