

**2006 Field Services Program**

	<b>Recipient</b>	<b>Grant Award</b>	<b>Contractor Contribution</b>	<b>Grant Purpose</b>
1	City of Roseville	\$25,000	\$55,512	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	\$25,240	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	\$25,274	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	\$318,800	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	\$25,000	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	Corning Water District	\$25,000	\$26,441	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	\$42,825	Improve measurement accuracy of Doppler technology over the existing venture 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	\$60,120	Continue ongoing water conservation education activities at Exploration Park and will purchase hardware to centralize irritation control and operate the system with increased efficiency.
9	Saucelito Irrigation District	\$34,800	\$34,800	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	\$17,417	Fund 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	\$30,883	Ag Water Audit Program
12	Orland-Artois Water District	\$15,000	\$15,543	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	\$122,000	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	\$20,000	This grant will provide rebates for replacing 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	\$40,646	Rebates for high-efficiency clothes washers, hot water on demand systems and irrigation efficiency improvements.
16	Del Puerto Water District	\$23,710	\$29,644	Metering Improvement Project-installation of Doppler Water Meters
17	Fresno Irrigation District	\$25,000	\$67,000	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	\$21,000	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	\$68,000	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	\$30,000	Outlet Replacement Project - replace all low-head outlets
21	Kern-Tulare Water District	\$25,000	\$26,239	Elmo System SCADA Project-install SCADA system to remotely monitor and control the Elmo Pumping Plant.
22	Santa Ynez River WCD	\$5,000	\$5,003	Ultra Low Flow Toilet Rebate Program -
23	San Luis Canal Company	\$25,000	\$35,000	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	\$21,500	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	\$104,200	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	\$68,745	Agricultural-Urban weather station/agricultural soil moisture measurement/smart water application technology.
27	Placer Nature Center	\$8,000	\$8,400	The primary purpose of this project is to assist in the implementation of public and school education.
28	Westside Water District	\$25,000	\$25,000	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

29	California Water Institute	\$40,000	\$40,000	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	\$25,000	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	\$23,750	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	\$15,000	Deep Well Metering Installation Program- installation of 13 flow meters at groundwater pumping locations
33	Friant Water Authority	\$75,000	\$93,361	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	\$22,585	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	\$25,000	Regional Elements of the Friant Division & Cross Valley Canal Contractors Water Conservation Plan
<b>2006 TOTALS</b>		<b>\$1,093,424</b>	<b>\$1,614,928</b>	

#### 2007 Field Services Program

	Recipient	Grant Award	Contractor Contribution	Grant Purpose
1	Fresno Irrigation District	\$50,000	\$105,000	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	\$84,000	Irrigation Systems Evaluations - Mobile Irrigation Lab
3	Henry Miller Reclamation District	\$50,000	\$75,150	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	\$50,000	Modernization/Automation of Canal Operation Utilitizing 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	\$19,840	Rain Sensor Rebate Program

6	Tulare Irrigation District	\$50,000	\$70,000	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	\$57,740	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	\$55,000	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	Tranquility Irrigation District	\$50,000	\$54,056	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	\$116,532	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	\$50,000	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	\$26,514	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	\$110,000	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	\$194,000	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	\$27,400	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	\$49,600	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	\$74,029	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	\$10,400	Water resources and conservation education of school children, kindergarten through middle school.

19	Fair Oaks Water District	\$19,411	\$19,411	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	\$30,000	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.
21	Placer County Water Agency	\$20,000	\$20,000	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	\$30,000	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	\$66,125	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	\$75,720	This project will identify and install SMART controllers and HETs in CII accounts.
25	San Juan Water District	\$50,000	\$50,192	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	\$50,000	This project will implement a water efficient toilet replacement program to provide rebates to purchase HET and ULFT.
27	City of Folsom	\$45,426	\$136,278	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	\$25,000	Irrigation Meter Development-replace existing flow meters on the discharge side of the Districts pump stations with new digital devices.
<b>2007 TOTALS</b>		<b>\$1,143,052</b>	<b>\$1,731,987</b>	

#### 2008 Field Services Program

	<b>Recipient</b>	<b>Grant Award</b>	<b>Contractor Contribution</b>	<b>Grant Purpose</b>
2	Solano County Water Agency	\$50,000	\$117,734	HET installation program
3	Henry Miller RD No. 2131	\$50,000	\$110,000	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	\$25,000	Lateral Turnout Improvement Projects at Delano-Earlimart ID - will improve existing system of accounting for the delivery, evaporation, 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	\$165,000	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	\$36,995	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	\$69,020	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	\$35,000	Automated headworks screen rake
9	NW Kern RCD	\$25,000	\$122,500	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	\$50,000	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	\$150,000	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	\$74,276	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	\$10,000	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	\$20,000	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	\$50,000	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
<b>2008 TOTALS</b>		<b>\$506,442</b>	<b>\$1,035,525</b>	

2009 Field Services Program				
	Recipient	Grant Award	Contractor Contribution	Grant Purpose
1	Fresno Irrigation District	\$25,000	\$162,000	Automatic canal gates for remote flow rate monitoring on the Washington Colony Canal.
2	Natomas Central Mutual Water Co.	\$25,000	\$36,000	Supervisory Control and Data Acquisition (SCADA) improvements.
3	James Irrigation District	\$25,000	\$32,300	Flow control structure.
4	San Juan Water District	\$25,000	\$32,224	High efficiency clothes washer rebate program and an irrigation efficiency program.
5	Solano County Water Agency	\$25,000	\$89,861	High-efficiency washer rebate program.
6	San Benito County Water District	\$25,000	\$104,700	Training classes in irrigation efficiency to agriculture, landscaping, and residential customers.
7	East Bay Municipal Utility District	\$50,000	\$50,000	Installation of approximately 100 fixed network acoustic leak detectors in existing pipelines.
8	Reclamation District No. 108	\$25,000	\$31,400	Providing irrigators with scheduling information.
9	City of Roseville	\$25,000	\$36,194	Commercial and multi-family high efficiency toilet rebate program and school education program.
10	Southern San Joaquin MUD	\$25,000	\$27,000	Flow meter replacement program.
11	North West Kern RCD	\$50,000	\$100,000	Mobile Irrigation Laboratory--an on-farm irrigation system evaluation that provides information to land owners.
12	Fair Oaks Water District	\$25,000	\$35,000	Water audits, leak detection, water management repairs, and meter testing.
13	Placer County Water Agency	\$24,875	\$24,875	Increase rebates for waterless urinals, high efficiency toilets, and high efficiency washing machines.
14	Citrus Heights Water District	\$25,000	\$437,249	Meter testing and leak detection program.
15	Madera Irrigation District	\$50,000	\$50,000	Meter replacement program at farm turnouts.
16	Cal Poly Corporation	\$84,000	\$84,000	Irrigation and Research Center to provide on-farm irrigation evaluations and assistance to Contractors in the San Joaquin Valley.
<b>2009 TOTALS</b>		<b>\$533,875</b>	<b>\$1,332,803</b>	

2010 Field Services Program					acre/feet conserved
	Recipient	Grant Award	Contractor Contribution	Grant Purpose	
1	Anderson-Cottonwood ID	\$50,000	\$60,000	Improve water use efficiency through its Northern Sacramento Valley Mobile Irrigation Lab.	1,000
2	Delano-Earlimart Irrigation District	\$20,200	\$21,686	Expand the 80 acre Turnipseed Basin to include 80 additional acres	36,750
3	East Bay Municipal Utility District	\$50,000	\$252,918	Develop an automated landscape water budget reporting tool to assist customers in meeting the recently enacted Maximum Allowable Water Allowance within the California Model Water Efficient Landscape Ordinance.	7,250
4	Fresno Irrigation District	\$50,000	\$51,734	Purchase and installation of canal gate actuators, measurement devices and the necessary telemetry equipment required to remote control and flow rate monitoring at two critical locations on the Central Canal system.	60,000
5	James Irrigation District	\$50,000	\$51,879	Install and construct a lift pump, pipeline, and appurtenances. The purpose of this is to better manage irrigation water that would be temporarily stored in the recently constructed regulation basin.	84,000

6	Madera Irrigation District	\$29,500	\$29,500	Develop a comprehensive geographical information system mapping program for the district's distribution and delivery system infrastructures	87,500
7	Madera Irrigation District	\$47,790	\$47,790	Install Flow Level sensors for monitoring canal spills and implement the use of hand-held data records.	1,756,830
8	Madera Irrigation District	\$50,000	\$50,000	Implementing a meter replacement program for its aging open-flow propeller meters located at farm turnouts.	51,000
9	Mt. Gate Community Services District	\$10,063	\$10,063	Research and writing of a Water Conservation Plan that will support planning toward the goal of the District implementing water conserving practices.	
10	Placer County Water Agency	\$24,875	\$28,875	High efficiency appliance rebate program. Waterless urinal, commercial and residential high efficiency toilet, and high efficiency washing machine rebate program.	265
11	Reclamation District No. 2035	\$16,500	\$19,182	District will construct and install approximately 300 notched flash boards to conserve water by reducing spill during the maintenance season. These boards will reduce drainage flows by approximately 50 percent.	
12	San Juan Water District	\$49,760	\$51,354	The majority of the districts customer base is made up of larger single-family homes with large landscapes. The district will be continuing their irrigation efficiency improvement reimbursement program; the high-efficiency clothes washer rebate program and the on-demand hot water system rebate.	190
13	Solano County Water Agency	\$50,000	\$127,467	The Agency is the regional water wholesaler serving Solano County. The Agency plans to install approximately 350 water efficient plumbing fixtures such as high efficiency toilets and urinals.	150
14	Solano County Water Agency	\$11,625	\$39,112	The agency will provide residential water surveys at selected single-family and multi-family accounts throughout the service area. The program will involve contacting water accounts that were identified as being the top 10-20 percent water users.	
15	Solano Irrigation District	\$50,000	\$145,000	The district will implement the Weyand Canal Headworks Modernization and Automation Project that includes installing new gates and actuators, constructing a new control structure, SCADA integration to allow remote monitoring and operation, debris control facilities and a solar power system. The project will provide accurate water level control and accurate flow measurement capability.	19,500
16	West Stanislaus Irrigation District	\$50,000	\$50,000	Automate their main canal to improve water management, improve power usage and reduce water losses. They will utilize the Irrigation, Training and Research Center (ITRC-Cal Poly) to perform a system evaluation, and based on the recommendations will integrate a SCADA system and flow measurement devices.	65,000
<b>2010 TOTALS</b>		<b>\$610,313</b>	<b>\$1,036,560</b>		<b>2,169,435</b>

2011 Field Services Program					conserved
	Recipient	Grant Award	Contractor Contribution	Grant Purpose	
2	Natomas Central Mutual Wtr Co.	\$18,000	\$18,002	Meter Installation and SCADA Expansion Project	220
3	Solano Irrigation District	\$100,000	\$100,003	Kilkenny Canal Headworks Modernization and Automation Project	400
4	City of Roseville	\$70,000	\$70,004	Expansion of Multiple Rebate Programs	273
5	Kern-Tulare Water District	\$50,000	\$50,005	Mobile Irrigation Lab and Irrigation Systems Evaluations	
6	Madera Irrigation District	\$100,000	\$100,006	Automated Gate Control & SCADA	1,650
7	Orland Unit Water Users' Assoc.	\$50,540	\$50,547	Water Management Plan	
8	Madera Irrigation District	\$50,000	\$50,008	Meter Replacement program	1,920
<b>2011 TOTALS</b>		<b>\$438,540</b>	<b>\$438,575</b>		<b>4,463</b>