



CALIFORNIA DEPARTMENT OF WATER RESOURCES  
WATER USE AND EFFICIENCY BRANCH

## Notice of Final Funding Decision 2012 Agricultural Water Use Efficiency Proposal Solicitation July 26, 2013

In November 2012, the Department of Water Resources (DWR) received 54 applications in response to the 2012 Proposition 50 Agricultural Water Use Efficiency Proposal Solicitation Package (PSP). Approximately \$23.9 million in grant funding was requested for proposed projects totaling over \$42.5 million. DWR has approximately \$15 million available for this solicitation. The 54 applications received include 15 applications for implementation projects and 39 applications for non-implementation projects, of which 20 applications for Research and Development/ Feasibilities/ Pilots/ Demos, 16 applications for Training/ Education/ Outreach, and 3 Agricultural Water Management Plan (AWMP) Preparation applications.

These final funding awards are in addition to the 3 awarded grants for the preparation of AWMPs announced on January 23, 2013. The remaining 51 applications have been reviewed and ranked by a technical review panel. Applications are divided into two categories:

- Section A: Agricultural Water Use Efficiency Implementation Projects
- Section B: Research & Development, Feasibilities, Pilots/Demos, Training, Education, Outreach, and Technical Assistance related to Agricultural Water Use Efficiency.

The 51 applications included 15 Section A and 36 Section B applications requesting approximately \$17.3 million and \$6.4 million, respectively. This Final Funding Decision provides grants for 36 applications for \$14.5 million: 11 Section A projects for about \$9.93 million with a local cost-share of \$13.7 million and 25 Section B projects for about \$4.56 million with a local cost-share of \$1 million (27 Section B projects were originally selected but Proposal #0055 was merged with #0054 and Proposal #0011 was merged with #0010.)

DWR conducted a public workshop and presented the funding recommendation on May 9, 2013. A public comment period on the draft funding recommendation was held from April 17 to May 15, 2013.

Following the announcement of the draft awards, on May 23, 2013 Natomas Central Mutual Water Company informed DWR that it will not be able to accept the proposed grant award of \$1.8 million for its Proposal #0038 (NDC Lift – Tailwater Recirculation Pump Station Project) due to the loss of federal funding match. As a result, funds that were previously allocated to Proposal #0038 have been re-distributed to the previously selected projects, eliminating the grant reductions proposed in the draft funding recommendation.

Tables A and B, attached, show the application ranking as well as the grant awards for Sections A and B respectively.

Agencies awarded grants should be aware of the following rules for cost sharing and reimbursable expenditures. Project costs are eligible for reimbursement after the execution of the grant agreement in accordance to the agreement's budget. However, costs incurred after announcing the Final Funding Decision, but before the execution of the agreement, may be eligible for reimbursement at DWR's discretion. Project costs incurred prior to announcing the grant awards are not eligible for reimbursement, but may be considered, at DWR's discretion, as a part of the applicant's local cost share. In considering requests for reimbursement or cost share eligibility, DWR will ensure that expenditures are closely related to the proposed project tasks and scope of work. Reimbursement is subject to agreement execution; agencies starting work before signing the agreement may not be reimbursed.

In addition, if a grantee is an agricultural water supplier that is subject to the Agricultural Water Management Planning Act, execution of the grant agreement will be contingent upon the grantee's compliance with the AWMP Act and any other applicable requirements.

This information is also posted on DWR's website at:

[www.water.ca.gov/wateruseefficiency/finance/](http://www.water.ca.gov/wateruseefficiency/finance/)

For more information, please contact Fethi BenJemaa at (916) 651-7025 or by email at

[AgWUE@water.ca.gov](mailto:AgWUE@water.ca.gov).

**Table A**  
Proposition 50 Grants – 2012 Agricultural Water Use Efficiency Proposal Solicitation  
Section A (Implementation) Proposals  
Final Funding Decision

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Grant Award	Cost Share	Remarks
2012AWUE0022	1	Buena Vista Water Storage District	Northern Area Pipeline Project - Phase 1	\$10,626,844	\$2,000,000	\$2,000,000	\$8,626,844	
2012AWUE0029	2	Reclamation District 2035	Pump conversions & modernization: improving water system management, energy efficiency and air quality	\$ 471,456	\$372,000	\$37,600	\$433,856	Fund provided for SCADA only - No funding for electric pump conversion (tasks 2 and 3).
2012AWUE0045	3	Cawelo Water District	Calloway Canal Lining Project	\$4,804,439	\$2,000,000	\$2,000,000	\$2,804,439	
2012AWUE0038	4	Natomas Central Mutual Water Company	NDC Lift - Tailwater Recirculation Pump Station	\$3,582,000	\$2,000,000	-	-	Grantee can't proceed with the project due to the loss of federal funding match.
2012AWUE0052	5	Western Canal Water District	Replacement and Automation of Nelson Elevation Control Structure	\$750,000	\$666,883	\$666,883	\$83,117	
2012AWUE0051	6	Ventura County Resource Conservation District	Implementing Agricultural Efficient Water Management Practices in Ventura County	\$904,000	\$650,712	\$650,712	\$253,288	
2012AWUE0036	7	Natomas Central Mutual Water Company	Sankey Road Check Structure Automation Project	\$270,000	\$240,000	\$240,000	\$30,000	
2012AWUE0040	8	Butte Water District	BWD Pennington Weir Replacement	\$942,170	\$753,320	\$753,320	\$188,850	
2012AWUE0004	9	Placer County Water Agency (BMS)	Gunite Lining of Earthen Canal to Reduce Unrecoverable Water Loss	\$843,187	\$443,753	\$443,753	\$399,434	
2012AWUE0032	10	Maxwell Irrigation District	Flow Measurement Improvements Project	\$246,950	\$198,440	\$198,440	\$48,510	Re-classified from Section B.
2012AWUE0041	11	Yolo County Flood Control and Water Conservation District	Winters Main Canal Modernization Project: Integrated Precision Water Management	\$2,175,000	\$1,625,000	\$1,431,500	\$743,500	Bank vegetation (\$193,500) not funded.
2012AWUE0030	12	Orland Unit Water Users Association	Orland Project Northside Distribution System Improvements	\$1,598,161	\$1,509,161	\$1,509,161	\$89,000	
			<b>Total Funded (not including #38)</b>	<b>\$23,632,207</b>		<b>\$9,931,369</b>	<b>\$13,700,838</b>	
2012AWUE0016	13	Western Growers	Agricultural Water Use Conservation Program Development	\$1,540,690	\$1,374,090	-		Not Selected for Funding
2012AWUE0006	14	Anderson-Cottonwood Irrigation District	Clear Creek Siphon Rehabilitation and Habitat Restoration Project	\$1,775,000	\$1,423,000	-		Not Selected for Funding
2012AWUE0039	15	Westlands Water District	Expanded Irrigation System Improvement Program	\$4,175,000	\$2,000,000	-		Not Selected for Funding
			<b>Total</b>	<b>\$34,704,897</b>	<b>\$17,256,359</b>	<b>\$9,931,369</b>		

**Table B**  
Proposition 50 Grants – 2012 Agricultural Water Use Efficiency Proposal Solicitation  
Section B (R&D, Feasibilities, Pilots/Demos, Training, Education, Outreach, and Technical Assistance) Proposals  
Final Funding Decision

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Grant Award	Cost Share	Remarks
2012AWUE0043	1	University Corporation at Monterey Bay	Satellite Irrigation Management Support (SIMS): Mapping Crop Water Requirements through Integration of Satellite Observations and CIMIS Data	\$384,616	\$198,116	\$198,116	\$186,500	
2012AWUE0027	2	Tehama County Resource Conservation District	Northern Sacramento Valley Mobile Irrigation Lab	\$229,791	\$200,000	\$200,000	\$29,791	
2012AWUE0003	3	California State University Fresno Foundation	Distributed Sensor Network Based Optimization of Agricultural Practices to Assess Nutrient Dynamics and Limit Nitrogen Losses	\$193,931	\$193,931	\$193,931	\$0	
2012AWUE0044	4	Napa County Resource Conservation District	Deploying Mobile Water Labs to Acheive Regional Water Use Efficiency	\$282,492	\$194,613	\$194,613	\$87,879	
2012AWUE0017	5	University of California, Davis	Wireless Sensing and Control to Improve Water Use Efficiency in California Crops	\$253,048	\$199,257	\$199,257	\$53,791	
2012AWUE0019	6	Rancho California Water District	Virtual Technical Assistance Center Project	\$214,966	\$112,719	\$112,719	\$102,247	
2012AWUE0015	7	Regents of the University of California	Web-based irrigation scheduling tool for California crops	\$199,823	\$199,823	\$189,823	\$0	Do not fund Task 6a (validate VSIM/TOPS, \$10,000). Work being funded under Proposal #0024.
2012AWUE0008	8	California Rural Water Association	CRWA Statewide Leak Detection Training and Technical Assistance Program	\$192,800	\$192,800	\$192,800	\$0	
2012AWUE0049	9	University of California, Davis	Microcalorimetry for rapid assessment of crop salinity tolerance	\$262,082	\$199,673	\$199,673	\$62,409	
2012AWUE0005	10	Community Alliance With Family Farmers	On Farm Water Conservation Outreach and Education	\$190,682	\$190,682	\$190,682	\$0	
2012AWUE0048	11	University of California, Davis	Analysis of SDI Applications in Alfalfa to Improve Water Use Efficiency and Water Quality	\$200,000	\$200,000	\$200,000	\$0	
2012AWUE0009	12	California Rural Water Association	CRWA Statewide EWMP & SB X7-7 Educational Program	\$186,000	\$186,000	\$186,000	\$0	
2012AWUE0002	13	California State University Fresno Foundation	WATERIGHT Irrigation Scheduling and Field Water Management	\$183,700	\$183,700	\$183,700	\$0	

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Grant Award	Cost Share	Remarks
2012AWUE0010	14	California Rural Water Association	CRWA Northern California EWMP & SB X7-7 Technical Assistance Program	\$198,700	\$198,700	\$198,700	\$0	Combine with Proposal #0011 for a statewide program and prorate scope and funding.
2012AWUE0012	15	Regents of the University of California	Automation of Surface Irrigation Systems in California	\$198,502	\$198,502	\$198,502	\$0	
2012AWUE0011	16	California Rural Water Association	CRWA Southern California EWMP & SB X7-7 Technical Assistance Program	\$198,700	\$198,700	\$0	-	Combined with Proposal #0010
2012AWUE0024	17	University Corporation at Monterey Bay	Automated farm-based irrigation scheduling using the VSIM/TOPS water balance modeling system	\$255,354	\$192,390	\$192,390	\$62,964	
2012AWUE0053	18	Cachuma RCD	Water Efficiency for Agricultural Operations for Statewide Application	\$250,000	\$166,104	\$166,104	\$83,896	
2012AWUE0034	19	Colorado State University	Validation of the Steady-state Hoffman Conceptual Model for determination of minimum crop leaching requirements and stakeholder outreach using CSUID	\$270,365	\$200,000	\$200,000	\$70,365	
2012AWUE0018	20	Semitropic Water Storage District	Meter Calibration Facility	\$265,392	\$200,000	\$200,000	\$65,392	
2012AWUE0047	21	University of California, Davis	Combined vegetated and slow sand filters to disinfect irrigation runoff for reuse	\$262,307	\$199,878	\$199,878	\$62,429	
2012AWUE0014	22	Cal Poly Corporation	Technical Assistance to Areas Serving Disadvantaged Communities	\$199,999	\$199,999	\$199,999	\$0	
2012AWUE0025	23	San Joaquin County Resource Conservation District	Innovative Hydrogel Use to Prevent Runoff; Decrease Water, Electricity and Fertilizer Needs; and Promote Increased Tomato Crop Yield	\$28,509	\$28,509	\$28,509	\$0	
2012AWUE0055	24	Cachuma RCD	Strategic Agriculture Water Efficiency Action Plan - Goleta, CA	\$250,000	\$160,965	\$0	-	Combine with Proposal #0054 and reduce funding.
2012AWUE0037	25	University of California, Davis	SIMETAW and Cal-SIMETAW Upgrade	\$288,231	\$181,353	\$181,353	\$106,878	
2012AWUE0054	26	Cachuma RCD	Strategic Agriculture Water Efficiency Action Plan - Carpinteria, CA	\$250,000	\$200,000	\$200,000	50,000	Combined with Proposal #0055 for a grant total of \$200,000.
2012AWUE0033	27	University of California, Davis	Customized Web-Based Calculator for Quantifying and Monitoring the Efficiency of Agricultural Water Use	\$177,311	\$157,373	\$157,373	\$19,938	
			<b>Total Funded (not including #11 &amp; #55)</b>	<b>\$5,618,601</b>		<b>\$4,564,122</b>	<b>\$1,044,479</b>	Total project cost 10k over (award + cost share) due to #15 reduction

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Grant Award	Cost Share	Remarks
2012AWUE0007	28	Mission Resource Conservation District	Demonstration of Agricultural Irrigation Technologies and Improved Water Use Efficiency	\$237,909	\$187,510	-		Not Selected for Funding
2012AWUE0031	29	Ca. Land Stewardship Institute	Demonstration Project and Technical Assistance to implement water efficiency in the Russian River watershed	\$235,200	\$200,000	-		Not Selected for Funding
2012AWUE0050	30	American Rivers	Guidance for Off-Stream Agricultural Water Efficiency Projects with Instream Benefits	\$140,225	\$120,225	-		Not Selected for Funding
2012AWUE0013	32	Pacific Institute	Overcoming Obstacles to Implementing EWMPs: Workshops for Growers and Irrigation Districts	\$106,000	\$106,000	-		Not Selected for Funding
2012AWUE0042	33	Westside Water District	Data and Flow Measurements Project Phase I	\$86,130	\$68,904	-		Not Selected for Funding
2012AWUE0028	34	University of California, Berkeley	Estimating the Real Water Savings from Irrigation Efficiency: A Pilot Study	\$191,800	\$191,800	-		Not Selected for Funding
2012AWUE0046	35	City of Plymouth	Feasibility Of Plymouth Ditch Modifications For Cosumnes River Pre-1914 Water Rights During Peak Water Use	\$193,199	\$188,139	-		Not Selected for Funding
2012AWUE0035	36	University of California, Davis	Maximizing efficient water use in agriculture by improving soil health with amendments	\$289,770	\$198,163	-		Not Selected for Funding
2012AWUE0026	37	University of California, Davis	Demonstration of Agricultural Water Use Efficiency with Real-time Irrigation Management	\$267,390	\$197,390	-		Not Selected for Funding
<b>Total</b>				<b>\$7,814,924</b>	<b>\$6,391,918</b>	<b>\$4,564,122</b>		