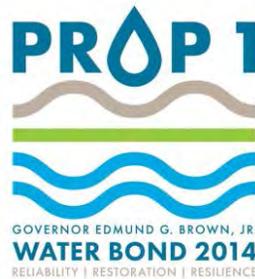




CALIFORNIA DEPARTMENT OF WATER RESOURCES
WATER USE AND EFFICIENCY BRANCH

Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation



Notice of Public Workshop and Comment Period on Draft Funding Recommendation August 12, 2016

By the application deadline of March 30, 2016, the Department of Water Resources (DWR) received 50 proposals in response to the 2015 Proposition 1 Agricultural Water Use Efficiency Proposal Solicitation Package (PSP). Approximately \$37.2 million in grant funding was requested for proposed projects totaling over \$77.2 million. DWR has approximately \$30 million available for this solicitation. The 50 applications received included 23 proposals for implementation projects (Section A) and 27 proposals for non-implementation projects (Section B).

The grant proposals were subdivided into four sub-categories and reviewed by four technical review panels as follow:

- Section A: Agricultural Water Use Efficiency Implementation Projects (23 applications).
 - o A1 – Implementation: Modernization/Automation/Other Projects (13 applications).
 - o A2 – Implementation: Capital Outlay Projects (10 applications).
- Section B: Agricultural Water Use Efficiency Non-implementation Projects (27 applications).
 - o B1 – R&D/Feasibilities/Pilots/Demos (11 applications).
 - o B2 – Technical Assistance/Training/Education/Outreach (16 applications).

Three applications were determined to be ineligible during the screening phase. All other eligible applications were scored and ranked in accordance to the scoring criteria published in the PSP. As stated

in the PSP, only proposals with a passing score of 70 or more are considered for funding. Tables A1, A2, B1, and B2, below, show the proposal scores as well as the proposed funding awards. Out of the 50 applications received, 38 are recommended to receive funding.

The total requested grants from all the proposals with passing scores amounted to \$29.06 million leaving \$936,499 in grant funding available. To best use the remaining funds while helping further the implementation of agricultural water measurement programs, DWR identified one grantee, the Biggs-West Gridley Water District, (BWGWD) as needing additional funding to complete their water measurement program. After consulting with Legal, DWR approached BWGWD about the revising their initial proposal to achieve full implementation of their proposed water measurement program with additional grant funds and matching funds. BWGWD agreed to expand their project and to provide the additional local match as required.

The PSP tentatively allocated \$27 million for implementation projects in Section A (with a \$3 million cap per project) and \$3 million for the non-implementation Section B projects (with a \$300,000 cap per project). However, due to insufficient number of qualified applications received under Section A and a greater than anticipated number of qualified projects in Section B, the proposed funding allocation was revised. The proposed awards allocate \$24.5 million for Section A (16 projects) and \$5.27 million for Section B (22 projects) with total awards of \$29.8 million. The sum of \$202,136 will remain un-awarded due to insufficient number of qualified applications received.

The proportion of grant funds expected to directly benefit Disadvantaged Communities (DACs) or Economically Distressed Areas (EDAs) is estimated to be at least 14.8% of the total awards as shown in Table C.

Prospective grantees should be aware that receiving grant funds and execution of a grant agreement will be contingent upon compliance with applicable laws and regulations as listed in Attachment 15 of the PSP. An agricultural water supplier that is subject to the Agricultural Water Management Planning (AWMP) Act will need to comply with the AWMP requirements to include submittal of an Agricultural Water Management Plan, implementation of all locally cost-effective Efficient Water Management Practices (EWMPs), and implementation of the critical EWMPs consisting of measuring water deliveries to customers in accordance with the water measurement regulation and adopting a pricing structure for water customers based at least in part on quantity delivered. If not implementing all required EWMPs, an agricultural water supplier may meet the requirements by submitting a schedule, financing plan, and budget for implementation to be included in the grant agreement. A compilation of the compliance status of prospective grantees with SB X7-7, AB 1404, AB 1420 and groundwater requirements is shown in Table D. It is the responsibility of the grantee to maintain compliance with all applicable laws and regulations (including but not limited to those listed in Table D) throughout the term of the grant agreement.

Grant agreement execution is contingent upon grantee's compliance with all of the requirements as applicable no later than a year from the date of announcing the final grant awards. Failure to comply may result in the withdrawal of the grant award.

DWR staff will discuss this draft funding recommendation at the following public workshop:

- Workshop Date and Time: August 30, 2016, 1:00 PM to 3:00 PM.
- Place: 901 P Street, Large Conference Room, Sacramento, CA 95814.
- Agenda: Present the draft funding recommendation, provide information on next steps, and accept public comments.
- Webex Link:
<https://resources.webex.com/resources/j.php?MTID=m3a807a63cdb6d0736d9db573c03a713a>
- Teleconference information: Conference Line: 1-877-952-3588 Passcode: 590 225 6

Grant applicants and the general public can also submit comments on this draft funding recommendation in writing. Comments must be received by 5:00 p.m. on September 14, 2016. Please e-mail comments to WUEgrants@water.ca.gov.

Or by mail to

Department of Water Resources
Water Use and Efficiency Branch
Attn: Fethi BenJemaa
901 P Street, Third Floor
Sacramento, California 95814

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

<http://www.water.ca.gov/wuegrants/awards.cfm>

For more information, please contact Fethi BenJemaa at (916) 651-7025 or by e-mail at Fethi.Jemaa@water.ca.gov.

Table A1
Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
Section A1: Implementation – Modernization, Automation, and Other Projects
Proposal Scoring and Draft Funding Recommendation

Score	Applicant	Proposal Number	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
83.2	Reclamation District 108	2015WUE0023	Distribution System Improvements	\$3,000,000	\$1,500,000	\$1,500,000	
81.8	Willow Creek Mutual Water Company	2015WUE0019	Irrigation Water Improvement on Willow Creek Ranch	\$360,545	\$155,783	\$155,783	
81.4	Sutter Extension Water District	2015WUE0022	Looney Weir Modernization Project	\$669,809	\$333,250	\$333,250	
74.6	Richvale Irrigation District	2015WUE0033	Phase I Infrastructure Modernization	\$1,496,638	\$748,319	\$748,319	
74.6	Placer County Water Agency	2015WUE0021	Antelope Canal Automation	\$694,414	\$346,616	\$346,616	
74.6	Oakdale Irrigation District	2015WUE0043	Phase I Total Channel Control System Modernization	\$6,510,367	\$2,972,770	\$2,972,770	
74.0	United Water Conservation District	2015WUE0016	Installation of a SCADA Integrated Metering System at Turnouts of the Pumping-Trough-Pipeline System	\$1,270,118	\$635,059	\$635,059	
74.0	Biggs-West Gridley Water District	2015WUE0038	Infrastructure Modernization and Canal Operations Decision Support	\$2,963,348	\$1,481,674	\$1,481,674	Project expanded at DWR's request for grantee to fully implement their measurement program (initial proposed project total: \$1,494,622).
71.2	Rancho California Water District	2015WUE0005	Agricultural Crop Conversions Program	\$3,997,934	\$1,998,967	\$1,998,967	
62.2	Ventura County Resource Conservation District	2015WUE0018	Implementing Efficient Water Management Practices on Agricultural Properties in Ventura County	\$1,576,450	\$866,450	-	Not Selected for Funding (score < 70)
51.0	Reclamation District 2035	2015WUE0047	Canal Automation and Farm-Gate Measurement Project	\$861,960	\$430,980	-	Not Selected for Funding (score < 70)
-	Rainbow Municipal Water District	2015WUE0048	Advanced Metering Infrastructure For Agricultural Use	\$625,000	\$625,000	-	Ineligible application (cost share requirements not addressed)
-	18th District Agricultural Association/ Eastern Sierra Tri-County Fairgrounds	2015WUE00XX	Extensive Water Savings at the 18th District Agricultural Association/ Eastern Sierra Tri-County Fairgrounds	\$166,217	\$166,217	-	Proposed project is ineligible
			Total	\$24,192,800	\$12,261,085	\$10,172,438	

Table A2
Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
Section A2: Implementation – Capital Outlay Projects
Proposal Scoring and Draft Funding Recommendation

Score	Applicant	Proposal Number	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
84.5	California Trout	2015WUE0015	Hidden Valley Ranch Efficiency and Cold Water Exchange Project	\$418,800	\$323,614	\$323,614	
80.0	Buena Vista Water Storage District	2015WUE0024	Northern Area Pipeline-Southeast Extension	\$7,088,690	\$3,000,000	\$3,000,000	
75.8	Patterson Irrigation District	2015WUE0036	East-West Conveyance Project, Pumping Plant 2 & Closed Conveyance	\$5,889,340	\$2,934,670	\$2,934,670	
75.0	Natomas Central Mutual Water Company	2015WUE0028	NDC Lift Pump Station	\$1,674,000	\$837,000	\$837,000	
75.0	Cawelo Water District	2015WUE0032	Friant-Kern Canal & 8-23 Canal Intertie Pipeline	\$6,983,805	\$3,000,000	\$3,000,000	
71.5	Lower Tule River Irrigation District	2015WUE0008	Lower Tule River Irrigation District Riparian Area Distribution System	\$2,807,848	\$1,403,933	\$1,403,933	
70.5	North Kern Water Storage District	2015WUE0029	Calloway Canal Lining and Water Delivery Improvements	\$5,713,510	\$2,856,755	\$2,856,755	
66.5	Lindsay-Strathmore Irrigation District	2015WUE0027	Agricultural Water Conservation - Pipeline Replacement Project	\$6,226,000	\$2,988,600	-	Not Selected for Funding (Score < 70)
53.0	Pixley Irrigation District	2015WUE0011	Avenue 116 Canal Expansion Project	\$818,013	\$450,105	-	Not Selected for Funding (Score < 70)
-	Tulare Irrigation District	2015WUE0007	Agricultural Conjunctive Use Water Conservation/Recharge Project	\$3,855,432	\$903,986	-	Proposed project is ineligible
Total				\$41,475,438	\$18,698,663	\$14,355,972	

Table B1
Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
Section B1: R&D, Feasibilities, Pilots, and Demonstration Projects
Proposal Scoring and Draft Funding Recommendation

Score	Applicant	Proposal Number	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
95.3	University of California Davis	2015WUE0042	Optimizing Management of Subsurface Drip Irrigation in Alfalfa under full and deficit Irrigation Practices to Improve Water Use Efficiency	\$601,462	\$300,000	\$300,000	
95.0	Regents of the University of California	2015WUE0030	Subsurface Drip Irrigation for Field Crops in California	\$586,003	\$292,853	\$292,853	
90.8	University of California Davis	2015WUE0040	Increasing Water Use Efficiency and Drought Resilience in California Agriculture	\$600,466	\$299,969	\$299,969	
88.0	University Corporation at Monterey Bay	2015WUE0044	Satellite-based IrriQuest calculator for monitoring crop consumptive use and quantifying efficiency metrics	\$565,724	\$282,862	\$282,862	
84.0	Cal Poly Corporation	2015WUE0010	Optimizing Agricultural Water Use Efficiency: An Integrated Remote Monitoring System	\$71,657	\$35,801	\$35,801	
82.8	Placer County Water Agency	2015WUE0045	Integration of Survey and Remote Sensing Tools for Identifying Opportunities for Water Use Efficiency Opportunities for Agricultural Water Users	\$195,084	\$97,542	\$97,542	
79.3	Alameda County Resource Conservation District	2015WUE0025	Alameda County Carbon Farm Planning, Feasibility and Pilot Project	\$367,991	\$127,631	\$127,631	
74.3	University of California Davis	2015WUE0031	Trustworthy web-based model for assessment and monitoring of agriculture water use in DAU Scale	\$212,946	\$106,473	\$106,473	
71.3	Sonoma Ecology Center	2015WUE0039	Using Biochar to Save Water in California Agriculture	\$527,020	\$263,123	\$263,123	
65.5	Upper Salinas - Las Tablas RCD	2015WUE0009	Central California Coast Ag Pond Conservation Initiative	\$196,781	\$106,460	-	Not Selected for Funding (Score < 70)
32.8	Turning Deserts Into Forests	2015WUE0006	Water Efficiency Study Using Innovative Gelwater Irrigation Under No - Tillage and High Residue Field Conditions	\$300,000	\$300,000	-	Not Selected for Funding (Score < 70)
Total				\$4,225,134	\$2,212,714	\$1,806,254	

Table B2
Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
Section B2: Technical Assistance, Training, Education, and Outreach Projects
Proposal Scoring and Draft Funding Recommendation

Score	Applicant	Proposal Number	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
85.8	California Land Stewardship Institute	2015WUE0014	Increasing Water Use Efficiency in Northern California Wine Country – Napa, Sonoma and Mendocino Counties	\$600,000	\$300,000	\$300,000	
85.7	Tehama County Resource Conservation District	2015WUE0020	NSV Mobile Irrigation Lab	\$375,000	\$250,000	\$250,000	
78.7	RCD of Monterey County	2015WUE0046	On-Farm Spanish-language Irrigator Certification Training in Water Use Efficiency	\$556,932	\$296,368	\$296,368	
78.3	Kern Groundwater Authority	2015WUE0026	Remote Sensing Irrigation Efficiency Technical Assistance	\$425,250	\$212,625	\$212,625	
78.0	Vineyard Team	2015WUE0002	Improving Ag Water BMP Adoption and Creating a Culture of Conservation through Technical Assistance, Belief Modification, and Attitude Creation	\$653,941	\$299,935	\$299,935	
77.0	Regents of the University of California	2015WUE0035	Training and Extension Education for Irrigated Pastureland Enhancement	\$608,680	\$297,520	\$297,520	
77.0	Cal Poly Corporation	2015WUE0017	Technical Assistance to San Joaquin Valley Irrigation Districts	\$536,951	\$268,201	\$268,201	
76.8	Cal Poly Corporation	2015WUE0013	Technical Assistance to Sacramento Valley Irrigation Districts	\$617,383	\$294,945	\$294,945	
76.5	San Joaquin RCD	2015WUE0041	Improved Irrigation Management Through Airborne Crop Water Stress Detection	\$660,000	\$300,000	\$300,000	
75.8	Napa County Resource Conservation District	2015WUE0004	Building Improved Agricultural Water Use Efficiency in Napa County	\$275,937	\$137,682	\$137,682	
70.7	Semitropic Water Storage District	2015WUE0037	SWSD ET Remote Sensing Instrumentation and Comparison for Agricultural Water Use Efficiency	\$603,750	\$300,000	\$300,000	
70.2	California Rural Water Association	2015WUE0003a	Statewide Leak Detection Education and Technical Assistance Program	\$212,424	\$212,424	\$212,424	
70.0	CA Association of RCDs	2015WUE0034	Outreach Workshops, Technical Assistance and Irrigation Evaluations to the SWEEP Assistance Program	\$589,000	\$293,500	\$293,500	
63.3	California Rural Water Association	2015WUE0003c	Statewide EWMP & SB X7-7 Technical Assistance Program	\$214,650	\$214,650	-	Not Selected for Funding (Score < 70)
62.8	Cal Poly Corporation	2015WUE0012	Technology Transfer to Areas Serving Disadvantaged Communities Agriculture	\$298,518	\$298,518	-	Not Selected for Funding (Score < 70)
47.5	California Rural Water Association	2015WUE0003b	Statewide EWMP & SB X7-7 Educational Program	\$93,174	\$93,174	-	Not Selected for Funding (Score < 70)
Total				\$7,321,590	\$4,069,542	\$3,463,200	

Table C
 Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
 Estimated Direct Benefits to Disadvantaged Communities (DACs) or Economically Distressed Areas (EDAs)
 from Projects Recommended to Receive Funding

Applicant	Proposal Number	Project Title	% Benefits to DACs/EDAs	Proposed Grant Award	Grant \$ to DACs/EDAs	Remarks
Buena Vista Water Storage District	2015WUE0024	Northern Area Pipeline-Southeast Extension	30%(+)	\$3,000,000	\$900,000	Applicant did not claim cost-share waiver
California Land Stewardship Institute	2015WUE0014	Increasing Water Use Efficiency in Northern California Wine Country – Napa, Sonoma and Mendocino Counties	25%	\$300,000	\$75,000	Applicant did not claim cost-share waiver
California Rural Water Association	2015WUE0003a	Statewide Leak Detection Education and Technical Assistance Program	100%	\$212,424	\$212,424	Full cost-share waiver claimed
California Trout	2015WUE0015	Hidden Valley Ranch Efficiency and Cold Water Exchange Project	100%	\$323,614	\$323,614	Partial cost-share waiver claimed
Cawelo Water District	2015WUE0032	Friant-Kern Canal & 8-23 Canal Intertie Pipeline	(*)	\$3,000,000	(*)	Applicant did not claim cost-share waiver
Lower Tule River Irrigation District	2015WUE0008	Lower Tule River Irrigation District Riparian Area Distribution System	(*)	\$1,403,933	(*)	Applicant did not claim cost-share waiver
North Kern Water Storage District	2015WUE0029	Calloway Canal Lining and Water Delivery Improvements	32%	\$2,856,755	\$914,162	Applicant did not claim cost-share waiver
Oakdale Irrigation District	2015WUE0043	Phase I Total Channel Control System Modernization	7%(+)	\$2,972,770	\$208,094	Applicant did not claim cost-share waiver
Patterson Irrigation District	2015WUE0036	East-West Conveyance Project, Pumping Plant 2 & Closed Conveyance	7%(+)	\$2,934,670	\$205,427	Applicant did not claim cost-share waiver
RCD of Monterey County	2015WUE0046	On-Farm Spanish-language Irrigator Certification Training in Water Use Efficiency	100%	\$296,368	\$296,368	Applicant did not claim cost-share waiver
Regents of the University of California	2015WUE0035	Training and Extension Education for Irrigated Pastureland Enhancement	80%	\$297,520	\$238,016	Applicant did not claim cost-share waiver
Richvale Irrigation District	2015WUE0033	Phase I Infrastructure Modernization	7%(+)	\$748,319	\$52,382	Applicant did not claim cost-share waiver
Sutter Extension Water District	2015WUE0022	Looney Weir Modernization Project	37%	\$333,250	\$123,303	Applicant did not claim cost-share waiver
Tehama County Resource Conservation District	2015WUE0020	NSV Mobile Irrigation Lab	80%	\$250,000	\$200,000	Partial cost-share waiver claimed
United Water Conservation District	2015WUE0016	Installation of a SCADA Integrated Metering System at Turnouts of the Pumping-Trough-Pipeline System	74%	\$635,059	\$469,944	Applicant did not claim cost-share waiver
University Corporation at Monterey Bay	2015WUE0044	Satellite-based IrriQuest calculator for monitoring crop consumptive use and quantifying efficiency metrics	25%	\$282,862	\$70,716	Applicant did not claim cost-share waiver
Willow Creek Mutual Water Company	2015WUE0019	Irrigation Water Improvement on Willow Creek Ranch	70%	\$155,783	\$109,048	Applicant did not claim cost-share waiver
					\$4,398,498	Percent of Total Funding Awards of \$29.8 million: 14.8%

(*) Benefits to DACs or EDAs reported, but % of total project benefits not calculated.

(+) Benefits to DACs or EDAs are expected to be higher than the minimum % reported.

Table D

Proposition 1 Agricultural Water Use Efficiency Grants – 2015 Proposal Solicitation
 Status of Prospective Grantees' Compliance with SB X7-7, AB 1404, AB 2572, SB X7-6, Surface Water Diversion, and Groundwater Planning
 (for a description of the compliance requirements, refer to Attachment 15 of the PSP)

Applicant	2015-16 AWMP ⁽¹⁾	Water Measurement and Volumetric Pricing	Conditional EWMPs (or USBR equivalent)	2015 Farm-gate Delivery Report ⁽²⁾	2010 UWMP ⁽³⁾	AB 2572 Water Meter	Groundwater Monitoring	Surface Water Diversion	Groundwater Planning
Biggs-West Gridley Water District	Yes	Compliance or a schedule, financing plan, and budget for implementation required	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
Buena Vista Water Storage District	Yes	Device accuracy assessment plan required	Yes	Yes	N/A	N/A	Yes	Yes	Yes
Cawelo Water District	Yes	Device accuracy assessment plan required	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	Yes
Lower Tule River Irrigation District	Yes	Yes	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
Natomas Central Mutual Water Company	Required before agreement execution	N/A (<25,000 acres)	N/A (<25,000 acres)	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
North Kern Water Storage District	Yes	Yes	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	Yes
Oakdale Irrigation District	Yes	Compliance or a schedule, financing plan, and budget for implementation required	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
Patterson Irrigation District	Yes	N/A (<25,000 acres)	N/A (<25,000 acres)	Yes	N/A	N/A	Yes	Yes	Yes
Placer County Water Agency	N/A (<10,000 acres)	N/A (<25,000 acres)	N/A (<25,000 acres)	Required before agreement execution	Yes	Yes	Yes	Yes	N/A
Rancho California Water District	Yes	N/A (<25,000 acres)	N/A (<25,000 acres)	Yes	Yes	Yes	Yes	Yes	N/A
Reclamation District 108	Required before agreement execution	Yes	Yes	Yes	N/A	N/A	Yes	Yes	N/A
Richvale Irrigation District	Yes	Yes	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
Semitropic Water Storage District	Yes	Yes	Yes	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
Sutter Extension Water District	Required before agreement execution	N/A (<25,000 acres)	N/A (<25,000 acres)	Required before agreement execution	N/A	N/A	Yes	Yes	N/A
United Water Conservation District	N/A (<10,000 acres)	N/A (<25,000 acres)	N/A (<25,000 acres)	Required before agreement execution	Yes	Yes	Yes	Yes	N/A
Willow Creek Mutual Water Company	N/A (<10,000 acres)	N/A (<25,000 acres)	N/A (<25,000 acres)	N/A (<2,000 afy)	N/A	N/A	Yes	Required before agreement execution	Yes

- (1) Agricultural water suppliers serving >25,000 acres of irrigated land are required to adopt an AWMP by December 31, 2015 and submit it to DWR within 30 days of adoption. Agricultural water suppliers serving >10,000 but <25,000 acres of irrigated land are required to submit an AWMP by July 1, 2016 per Governor's Executive Order B-29-15.
- (2) 2015 calendar year aggregated farm-gate delivery reports are due in July 31, 2016.
- (3) Water suppliers who are subject to the Urban Water Management Planning requirements will also need to submit 2015 UWMPs due in July 2016.