



CALIFORNIA DEPARTMENT OF WATER RESOURCES
WATER USE AND EFFICIENCY BRANCH
RECYCLING AND WATER DESALINATION SECTION

Notice of Final Funding Awards
Water Desalination Grant Program
Proposition 50 Grants – Round 3 - 2014
August 18, 2014

In November 2002, California voters passed Proposition 50 (Division 26.5 of the California Water Code). The proposition allocated not less than \$50 million for grants for brackish water and ocean water desalination projects. Portions of these funds were awarded in Rounds 1 and 2 in 2005 and 2006.

In January 2014, the Department of Water Resources (DWR) received 12 proposals in response to the 2014 Water Desalination Proposal Solicitation Package (PSP) for Round 3. For Round 3, \$8.705 million are available for grants, and approximately \$11.7 million was requested.

DWR screened and ranked the proposals using interagency technical review panels. On July 1, 2014 DWR proposed to allocate funds to 8 proposals. DWR conducted a public meeting and presented the funding recommendations on July 9, 2014. Public comments on the proposed funding list were received between July 1 and July 16, 2014. The final funding awards are shown in the following table.

2014 Water Desalination Funding Awards

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
Construction Projects							
2014DSL40007	1	City of Torrance	Goldsworthy Desalter Expansion	\$21,142,051	\$3,000,000	\$3,000,000	1) An agreement between project partners to define project responsibilities is needed. 2) Potential impacts of this project on nearby groundwater cleanup activities need to be addressed.
2014DSL40006	2	San Diego County Water Authority	Carlsbad Desalination Project - System Integration Facilities	\$25,270,000	\$3,000,000	\$2,600,000	Project is partially funded based on available grant funds allocated to construction projects.
Subtotals of Recommended Construction Projects				\$46,412,051	\$6,000,000	\$5,600,000	
Pilot or Demonstration Projects							
2014DSL40011	1	California American Water Company	Monterey Peninsula Water Supply Project: Slant Test Well	\$3,000,000	\$1,000,000	\$1,000,000	1) The applicant is to provide DWR with pilot study results in addition to documents summarizing the test well construction. 2) If the pilot well is to be retained as an operational production well, the applicant is to address in its siting and well head construction planning the potential effects of sea level rise on project facilities during their useful life.
2014DSL40005	2	San Diego County Water Authority	Pilot Testing Program for the Proposed Camp Pendleton Seawater Desalination Facility	\$6,000,000	\$1,000,000	\$1,000,000	The locations of pilot study intakes (surface and subsurface) should be assessed regarding their comparability to full-scale project locations in terms of source water quality, constructability, maintainability, and impacts on marine life, and monitoring and data collection during the study should incorporate these factors.

Proposal Number	Rank	Applicant	Project Title	Total Project Cost	Requested Funding	Proposed Grant Award	Remarks
Feasibility Studies (Brackish Groundwater)							
2014DSL40004	1	Olivenhain MWD	San Dieguito Valley Brackish Groundwater Desalination Study	\$531,899	\$250,000	\$250,000	The feasibility study should include analysis of alternative water supply sources or demand management measures, such as conservation and recycled water; discussion of other related grant-funded projects; cumulative impacts on groundwater in relation to other replenishment and uses of groundwater. The groundwater modelling techniques that will be used in the study need to be clarified.
Research							
2014DSL40010	1	Bureau of Reclamation	Desalination Concentrate Management through Saline Treatment Wetlands	\$420,000	\$210,000	\$210,000	Prior to funding agreement execution, an assessment is required to determine that the source of brine for the study is appropriate to yield valid results applicable to brine from drinking water treatment.
2014DSL40012	2	Humboldt State University Sponsored Programs Foundation	RO-PRO for Low Energy Desalination	\$661,382	\$320,872	\$320,872	The proposed site of the research field test needs to be evaluated regarding potential water contamination that may be occurring at the site.
2014DSL40008	2	University of California at Merced	An Integrated Thermal Desalination System with Zero-Liquid Discharge for RO Brine Treatment	\$1,004,785	\$499,989	\$324,128	1) Workplan should address how potential fouling and scaling will be addressed and water quality sampling will be conducted. 2) Funding is reduced by \$175,861 based on budget concerns and available grant funds allocated to nonconstruction projects.
Subtotals for Recommended Nonconstruction Projects				\$11,618,066	\$3,280,861	\$3,105,000	
Grand Totals for 8 Recommended Projects				\$58,030,117	\$9,280,861	\$8,705,000	