Proposition 50 IRWM Implementation Grant Projects
San Diego IRWM Program
As Amended, December 30 2014

Project *Lead Project Sponsor*	**Description**
Proposition 50	
Implementation of Integrated Landscape and Agricultural Efficiency Programs *San Diego County Water Authority* Total Cost: $5,281,065 Funding Match: $2,515,246 Grant Funding: $2,035,843 Other State Funds: $729,976	This project will increase water efficiency and improve water quality by reducing runoff associated with excessive irrigation through agricultural water audits and landscape water efficiency outreach, education, and retrofitting programs.
Irrigation Hardware Giveaway and Cash for Plants Project *City of San Diego* Total Cost: $1,469,601 Funding Match: $380,601 Grant Funding: $1,089,000	This project will reduce water demand by providing customers of the City of San Diego with customized irrigation surveys and analyses, system improvements, and irrigation hardware at no costs, as well as through a Cash for Plants rebate program that encourages residential customers to convert to low water use landscapes.
Civic Center Landscape Renovation, Conservation and Pollutant Load Reduction Project *City of San Marcos* Total Cost: $315,495 Funding Match: $90,495 Grant Funding: $225,000	This project will protect water quality by reducing irrigation runoff through improved water use efficiency at the City of San Marcos Civic Center in the Carlsbad Watershed. Water quality improvements will be achieved through landscape renovation, upgrades to irrigation technology, flow monitoring, and water quality monitoring. It will provide measurable water conservation and water quality benefits and demonstrate the link between over irrigation reductions and reductions in pollutant loads.
Ray Stoyer Water Recycling Facility *Padre Dam Municipal Water District* Total Cost: $4,926,000 Funding Match: $1,926,000 Grant Funding: $3,000,000	This project will design and construct a 0.1 MGD demonstration Microfiltration/Reverse Osmosis (MF/RO) at the Ray Stoyer WRF. This technology is being considered for the Phase I expansion of the WRF from 2 MGD to 4.4 MGD, and the project lays the groundwork for this planned future expansion.

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Recycled Water Retrofit Assistance Program *San Diego County Water Authority* Total Cost: $1,628,800 Funding Match: $828,800 Grant Funding: $800,000	This project provides direct financial assistance to customers to facilitate the conversion from potable to recycled water for landscape irrigation and other uses.
Recycled Water Distribution System Expansion and Parklands Retrofits, and Indirect Potable Reuse/Reservoir Augmentation Demonstration Project *City of San Diego* Total Cost: $21,505,514 Funding Match: $16,740,368 Grant Funding: $4,765,146	This project includes a million gallon per day water purification demonstration project that will provide data to support a decision to proceed or not with a full-scale potable reuse project in 2013. It also includes construction of pipelines to expand the existing recycled water distribution area, and adding recycled water connections to irrigate parks and public spaces.
San Vicente Reservoir Source Water Protection through Watershed Property Acquisition and Restoration Educational Demonstration Wetland Project *San Diego County Water Authority* Total Cost: $4,649,113 Funding Match: $3,522,980 Grant Funding: $1,126,133	This project will acquire and restore lands around San Vicente Reservoir to create and expand the drinking source water protection buffer. Other land within the watershed will be identified and acquired for source water protection.
El Capitan Reservoir Watershed Acquisition and Restoration Program *San Diego River Park Foundation* Total Cost: $1,974,603 Funding Match: $134,000 Grant Funding: $1,840,603	This project will acquire and restore lands upstream of and within the vicinity of El Capitan Reservoir to reduce erosion and improve vegetation quality. These restoration activities will reduce non-point source pollution, remove trash and other pollution sources from the landscape, and reduce erosion to protect water quality at the reservoir, and will protect a wildlife corridor and create opportunities for public engagement.
Northern San Diego County Invasive Non-Native Species Control Program *Mission Resource Conservation District* Total Cost: $3,338,557 Funding Match: $2,070,199 Grant Funding: $1,268,358	This project will eradicate 373.5 acres of targeted invasive non-native plant species to protect and enhance habitat, conserve water resources, protect water delivery and storage systems by reducing flood risk and damage, improve water quality by reducing erosion through minimizing bank failures and normalizing sediment discharge processes, and reduce risk of fire.

Project *Lead Project Sponsor*	**Description**
Santa Margarita Conjunctive Use Project *Fallbrook Public Utilities District (PUD)* Total Cost: $30,297,431 Funding Match: $27,734,364 Grant Funding: $2,563,067	This project will resolve a long-standing water rights dispute by providing a water supply for Camp Pendleton and Fallbrook through enhanced recharge and recovery from the groundwater basin underlying Camp Pendleton. The project will also preserve 1,380 acres of habitat, reduce TDS in the lower basin, connect the system to both Fallbrook and SDCWA aqueducts, and includes a seawater intrusion barrier.
Carlsbad Desalination Project Local Conveyance *San Diego County Water Authority* Total Cost: $9,880,326 Funding Match: $7,754,193 Grant Funding: $2,126,133	This project will provide 56,000 AFY of new water supply through the design and construction of pipelines and facilities to serve local desalinated water from the Carlsbad Desalination Project to SDCWA member agencies.
San Diego Region Four-Reservoir Intertie Project Conceptual Design *Sweetwater Authority* Total Cost: $2,059,460 Funding Match: $1,300,000 Grant Funding: $759,460	This project will provide initial design and a work plan for a conveyance system that will increase the capability to manage and store imported water in four existing reservoirs though creating an enhanced and integrated reservoir system. This will improve efficiencies in storage, increase supply reliability, keep costs affordable, improve access to surface storage, and utilize potential energy management opportunities
South San Diego County Water Supply Strategy *Sweetwater Authority* Total Cost: $1,350,000 Funding Match: $1,045,743 Grant Funding: $304,257	This project will investigate the sustainable use of the groundwater resources of the San Diego Formation (SDF). It consists of an implementation study of the SDF to further understanding of sustainable water extraction and potential in-lieu conjunctive use and to guide the development of a future development and use strategy.
El Monte Valley Groundwater Recharge and River Restoration Project, Phases 1 & 2 *Helix Water District* Total Cost: - Funding Match: - Grant Funding: -	This project will use highly treated recycled water to recharge the El Monte Valley Basin, which will raise the groundwater level to support habitat restoration, and supply the R.M. Levy Water Treatment Plant. The project will develop a Groundwater Management Plan and institutional support, and design and construct spreading basins, conveyance pipelines, and river restoration. *Note: This project dropped out, and funds were redistributed to other projects in this funding package. Redistribution decided through the RAC.*

Project *Lead Project Sponsor*	**Description**
San Diego Regional Pollution Prevention Project *San Diego CoastKeeper* Total Cost: $840,588 Funding Match: $140,588 Grant Funding: $700,000	This project will remove trash and debris and assess the water quality within San Diego County through citizen monitoring. It will establish a baseline of trash and water quality data that will be transferable to local communities within the San Diego Region, and data collected through this project will be incorporated into two web-based, publicly accessible data portals.
Biofiltration Wetland Creation and Education Program *Zoological Society of San Diego (San Diego Safari Park)* Total Cost: $841,100 Funding Match: $141,100 Grant Funding: $700,000	This project will develop a biofiltration wetland within the Safari Park, which will be used to improve water quality within the Safari Park through natural biological filtration, enhance wetlands habitat, and reduce water consumption. It will also provide pond edge habitat and be used to educate visitors about water conservation and the importance of conserving wetlands.
San Dieguito Watershed Management Plan Implementation Project - Lake Hodges Natural Treatment System Conceptual Design *San Dieguito River Valley Conservancy (SDRVC)* Total Cost: $182,540 Funding Match: $85,540 Grant Funding: $97,000	This project will provide the initial design and work plan for reducing pollutant loads to the City of San Diego's Lake Hodges Reservoir using natural treatment systems, such as restored and constructed wetlands, which are a cost-effective and environmentally sound way to reduce pollutant loading.
Green Mall Porous Paving and Infiltration Project, Phase 1 *City of San Diego* Total Cost: $545,904 Funding Match: $295,904 Grant Funding: $250,000	This project will retrofit stormwater systems on two streets within the tributary area of the Chollas Creek sub-watershed, allowing urban runoff and pollutants carried with the storm water to infiltrate into the ground instead of discharging directly to the storm drain system and adjacent water bodies. It also includes water quality monitoring and educational outreach as a project component.
Chollas Creek Runoff Reduction and Groundwater Recharge Project *County of San Diego/Department of General Services* Total Cost: $710,000 Funding Match: $110,000 Grant Funding: $600,000	This project will demonstrate practical implementation of a range of low impact development (LID) practices to reduce runoff from three County of San Diego facilities in the Chollas Creek sub-watershed, which will reduce transport of pollutants to Chollas Creek. Each site will demonstrate a different combination of technologies and techniques, allowing a comparison of the relative effectiveness of the employed methods.