Proposal Full View

Print

Applicant Information

Organization Name	Santa Ana Watershed Project Authority *
Tax ID	**952899964**
Proposal Name	Santa Ana One Water One Watershed IRWM Prop 84, Round 2 Implementation Proposal *
Proposal Objective	This project portfolio will implement the second phase of integrated projects identified in the Santa Ana River Watershed's One Water One Watershed (OWOW), Integrated Regional Water Management Plan (IRWM). With input and direction from the OWOW Steering Committee, a group of leaders from government, water agencies, the business and environmental community, the Santa Ana Watershed Project Authority (SAWPA), as the accepted Regional Water Management Group (RWMG) through the RAP for the Santa Ana Region, has developed a portfolio of 20 projects that are 1) ready to implement in a timely manner and 2) specifically address strategies identified in the OWOW plan. The project portfolio integrates projects across geographic boundaries and provides multiple benefits to the region. In addition, this portfolio addresses all statewide water priorities. Twenty lead agencies from across the region will be constructing projects that when complete will improve the water resources for the region. The portfolio provides water use efficiency, enhanced groundwater recharge, integrated flood control/habitat benefits, non-point source pollution reduction, salt removal from local aquifers, and assistance to disadvantaged communities. The portfolio was developed from the revised OWOW IRWM plan ranked project list. Projects were objectively ranked using a mathematically based criteria developed and weighted in relative importance by the OWOW Steering Committee. Based on Committee direction after a number of public hearings an independent review panel, then reviewed in detail, the top tier projects considered ready to implement. The panel reviewed supporting project information, conducted detailed interviews with proponents, and considered OWOW objectives when developing a project portfolio that best meets OWOW goals and objectives. *

Budget

Other Contribution	$17,770,000.00
Local Contribution	$155,506,012.00
Federal Contribution	$4,430,040.00
Inkind Contribution	$53,000.00
Amount Requested	$16,667,000.00 *
Total Project Cost	$194,426,052.00 *

Geographic Information

Latitude *	DD(+/-)	33	MM	53	SS	46
Longitude *	DD(+/-)	117	MM	28	SS	59

Longitude/Latitude Clarification	center	Location	Santa Ana River Watershed
County		Los Angeles,Orange,Riverside,San Bernardino *	
Ground Water Basin		Bear Valley,Big Meadows Valley,Coastal Plain Of Orange County,Elsinore,Hemet Lake Valley,San Jacinto,Seven Oaks Valley,Upper Santa Ana Valley,Upper Santa Ana Valley-Bunker Hill,Upper Santa Ana Valley-Cajon,Upper Santa Ana Valley-Chino,Upper Santa Ana Valley-Cucamonga,Upper Santa Ana Valley-Rialto-Colton,Upper Santa Ana Valley-Riverside-Arlington,Upper Santa Ana Valley-San Timoteo,Upper Santa Ana Valley-Temescal,Upper Santa Ana Valley-Yucaipa	
Hydrologic Region		South Coast	
Watershed	49 4801 Santa Ana River; 50 4802 San Jacinto Valley; 49 4801 Santa Ana River		

Legislative Information

Assembly District	56th Assembly District,59th Assembly District,60th Assembly District,61st Assembly District,62nd Assembly District,63rd Assembly District,64th Assembly District,65th Assembly District,66th Assembly District,67th Assembly District,68th Assembly District,69th Assembly District,70th Assembly District,71st Assembly District,72nd Assembly District,80th Assembly District *
Senate District	17th Senate District,18th Senate District,29th Senate District,30th Senate District,31st Senate District,32nd Senate District,33rd Senate District,34th Senate District,35th Senate District,36th Senate District,37th Senate District *
US Congressional District	District 26 (CA),District 38 (CA),District 39 (CA),District 40 (CA),District 41 (CA),District 42 (CA),District 43 (CA),District 44 (CA),District 45 (CA),District 46 (CA),District 47 (CA),District 48 (CA),District 49 (CA) *

Project Information

Project Name: I - Enhanced Stormwater Capture and Recharg

Implementing Organization	San Bernardino Valley Municipal Water District
Secondary Implementing Organization	Western Municipal Water District of Riverside County; San Bernardino Valley Water Conservation District (non-funding partner)

Proposed Start Date	12/1/2014
Proposed End Date	12/31/2015
Project Scope	Improve existing and construct new facilities to increase stormwater captured and recharge along the Santa Ana River.
Project Description	Improve existing facilities and construct conveyance facilities, recharge basins and appurtenances necessary to increase the amount of stormwater capture and recharge in the existing Santa Ana River recharge basins.
Project Objective	The design objectives for these facilities are up to 80,000 acre-feet in a single year at a maximum instantaneous flow rate of 500 cfs. Benefits include Increase utilization of local storm water, Increase water supply reliability, Improve water quality

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	30300000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	31341690

Geographic Information

Latitude DD(+/-)	34	MM	7	SS	10
Longitude DD(+/-)	117	MM	5	SS	39
Longitude/Latitude Clarification	center	Location			Downstream of Seven (

County Riverside,San Bernardino Ground Water Basin Upper Santa Ana Valley Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	40th Assembly District,47th Assembly District,60th Assembly District,61st Assembly District,67th Assembly District
Senate District	31st Senate District,32nd Senate District
US Congressional District	District 41 (CA),District 42 (CA)

Project Information

Project Name: J - Regional Residential Landscape Retrofit Pro

Implementing Organization	Inland Empire Utilities Agency
Secondary Implementing Organization	City of Chino, City of Chino Hills, Cucamonga Valley Water District, Fontana Water Company, and more
Proposed Start Date	10/1/2013
Proposed End Date	6/6/2014
Project Scope	Program will provide landscape site evaluations and direct installation of smart controllers and high efficiency nozzles.
Project Description	The proposed program saves water through outdoor surveys and retrofits of landscape devices. The target audience is residential customers that fall within the top ten percent of the associated retail water providers' customer base. Retrofits include the installation of smart controllers and high efficiency sprinkler nozzles where the resident approves the changes
Project Objective	Project proposes to save 1,000 AF per year, for 600 residents. Program targets larger lot sizes with potential to save water from inefficient irrigation and over-watering (minimum of 1 AF per site). Program will educate customers where costs of resources do not greatly impact them and tiered rate structures have minimal impact on their water use decision-making. Reaching those customers through education and retrofits will result in increased landscape efficiency and water use reductions.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	500000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	520840
Total Project Cost	1020840

Geographic Information

Latitude DD(+/-)	33	MM	59	SS	6
Longitude DD(+/-)	117	MM	39	SS	21
Longitude/Latitude Clarification	center	Location			IEUA Service Area

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Chino Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	60th Assembly District,61st Assembly District,62nd Assembly District,63rd Assembly District
Senate District	29th Senate District,31st Senate District,32nd Senate District
US Congressional District	District 29 (CA),District 31 (CA),District 35 (CA)

Project Information

Project Name: G - San Sevaine Ground Water Recharge Basi

Implementing Organization	Inland Empire Utilities Agency
Secondary Implementing Organization	San Bernardino County Flood Control District, Chino Basin Water Conservation District
Proposed Start Date	10/1/2013
Proposed End Date	10/30/2014
Project Scope	Design and construct new pipeline and pump station to deliver recycled water and stormwater from Basin 5 to upper Basins.
Project Description	The San Sevaine Basins were originally constructed for flood control but are now operated for multiple purposes including groundwater recharge under a Four Party Agreement between San Bernardino County Flood Control, Chino Basin Watermaster, IEUA, and Chino Basin Water Conservation District. Millions of dollars have been spent on improvements to the basins by theFour Parties. The basins are used to recharge imported water, stormwater and recycled water in a conjunctive use program. IEUA performs the actual operation and maintenance of the basins for recharge purposes in cooperation with the Flood Control District. There are five, soft-bottomed basins located in series along San Sevaine Channel, comprising about 93 acres with the potential to recharge up to 8,500 AFY of recycled water. However, as the facility currently operates, recycled water is delivered to the lower basin, Basin 5, which has a lower infiltration rate compared to the upper basins, enabling a current recharge ofapproximately 500 AFY. In order to fully realize the valuable potential of the basin, it is proposed to build approximately 5000 feet of pipeline to deliver water (recycled and stormwater) to the upper basins, which have higher infiltration rates. The project includes: (1) small pump station that could pump either recycled water or stormwater to the upper basins; (2) 2,000-foot pipeline from basin 5 to basin 3; (3) geophysical investigation to determine if poor infiltration rates in basin 5 can be improved; (4) flow control and internal berms to route water between basin 1 and basin 2 and keep a minimumamount of water depth throughout the summer to help with vector control; (5) internal berms in basin 5 to deepen water andalternate wet and drying cycles to control insect issues. The project is expected to increase recharge by approximately4,500 AFY of recycled water, 2,000 AFY of stormwater, and provide a 10% in increase in imported water recharge for conjunctive use.
Project Objective	The San Sevaine project will increase the infiltration of recycled water and stormwater in the basin. The expected benefits include 4,500 AFY of recycled water recharge and 2,000 AFY of stormwater recharge. The recharge program allows water banking in the groundwater basin to meet multiple demands and different hydrological conditions on a consistent basis. Thebasins are used for recharge of imported water as well as stormwater and recycled water in a synergistic conjunctive use program.

Project Benefits Information

Project Objective

Budget

Other Contribution

	0
Local Contribution	1750000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	781270
Total Project Cost	2531270

Geographic Information

Latitude DD(+/-)	34	MM	8	SS	29
Longitude DD(+/-)	117	MM	29	SS	15

Longitude/Latitude Clarification cent Location The project includes the design and construction of pipeline andpump station within the San S

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Chino Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	60th Assembly District,61st Assembly District,62nd Assembly District,63rd Assembly District
Senate District	29th Senate District,31st Senate District,32nd Senate District
US Congressional District	District 27 (CA),District 31 (CA),District 35 (CA)

Project Information

Project Name F - Prado Basin Sediment Management Demor

Implementing Organization	Orange County Water District
Secondary Implementing Organization	United States Army Corps of Engineers
Proposed Start Date	5/1/2009
Proposed End Date	9/30/2017
Project Scope	Restore sediment transport through Prado Basin.
Project Description	OCWD and the ACOE are proposing to perform a demonstration project that restores sediment transport through Prado Basin. Sediment will be removed from Prado Basin by dredging and transported to a temporary holding area near the spillway. Sediment removal will occur during the late summer to fall to avoid impacts to endangered species. Sediment removal will be located in areas with ArundoDonax to maximize removal of this non-native plant. Sediment will be re-entrained in Santa Ana River (SAR) flows during periods of high stormflow. The sediment will then be re-distributed in the lower SAR by natural sediment transport processes. The project will remove 300 af (500,000 cubic yards) of sediment from the basin and reintroduce the sediment into the river. The project will demonstrate the ability to reverse sedimentation trends within Prado Basin and restore the flow of sediment to the lower reach of SAR. Restoring the flow of sediment past Prado Dam will have positive impacts within Prado Basin and in the lower reach of SAR.Enhanced sediment flow through Prado Dam will also help restore natural sedimentation patterns along SAR upstream of Prado Basin, where the sediment is trending to an environmentally adverse condition of near uniform grain size. The project will occur in four geographic areas. Sediment removal will occur in an area of 30 acres within Prado Basin. The second area includes a location northeast of the spillway where sediment would be temporarily stored and vegetation would be removed from the sediment excavation area. Sediment would be reintroduced into SAR at a location downstream of the dam, just west of CA 71 crossing. The fourth area is the SAR from the sediment reintroduction area (downstream of Prado Dam) to the Pacific Ocean, where sediment analysis and environmental assessment will occur to assess the project's impacts. This project improves regional integration and coordination by working cooperatively with ACOE.
Project Objective	The main project objective is to develop a new method to manage sediment movement in the Santa Ana River Watershed. Specific objectives of the demonstration project include: (1) restore natural sediment transport through Prado Basin, (2) assess the technical, environmental, and economic issues associated with sediment management in the Santa Ana River, and (3) provide information to implement a long-term sediment management solution.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	7115000

Federal Contribution	0
Inkind Contribution	0
Amount Requested	781270
Total Project Cost	7896270

Geographic Information

Latitude DD(+/-)	33	MM	53	SS	34
Longitude DD(+/-)	117	MM	38	SS	27
Longitude/Latitude Clarification	center	Location	Located at the northeast and northwest corners of CA 9		

County Orange,Riverside Ground Water Basin Coastal Plain Of Orange County Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River

Legislative Information

Assembly District	60th Assembly District
Senate District	31st Senate District
US Congressional District	District 42 (CA)

Project Information

Project Name: D - Wineville Regional Recycled Water Pipeline

Implementing Organization	Inland Empire Utilities Agency
Secondary Implementing Organization	City of Fontana, Fontana Water Company, San Bernardino County Flood Control District, and Chino Basin Watermaster
Proposed Start Date	10/1/2013
Proposed End Date	6/30/2014
Project Scope	Design and installation of 33,000 LF of 24 and 36 inch pipeline for recycled water and groundwater recharge distribution.
Project Description	The proposed Wineville Recycled Water Line is a regional pipeline that forms part of the Inland Empire Utilities Agency (IEUA) backbone recycled water distribution system covering a242-square mile region, including 7 different cities, 4interconnected water recycling plants, several sub-watersheds and a system of 19 interconnected groundwater recharge facilities. The Wineville project will supply recycled water to 2 cities, one of which currently has no recycled water. It will also supply recycled water for 2 existing groundwater recharge facilities and a constructed wetlands. The pipeline will supply1,500 acre-feet per year (AFY) for direct customer usage and3,000 AFY for groundwater recharge. The estimated cost of the 6.3-mile pipeline is $18 million. Selected public facility customerslocated along the pipeline alignment will be retrofitted with “purplepipe” as part of the project to allow an immediate use of therecycled water. The retrofits will require an evaluation of theexisting piping at each site, design plans to modify the piping at the site from potable to recycled water, an engineering reportapproved by the California Department of Public Health (CDPH),and cross connection testing. This will enable the actual reuse ofthe recycled water at the various sites. The estimated cost of theretrofits is $2 million. The proposed recycled water line includes turnouts to the RP-3and Declez Groundwater Recharge Facilities. At these recharge basins, 3 manual control gates will be converted to automatedgates and the power supply and control logic will be upgraded tomatch the new requirements. IEUA has a SCADA system thatsimultaneously controls the recharge operations at RP-3, Declez and 17 other recharge basin sites and 7 recycled water pumpingstations. Remote control of these operations is very cost-effectiveand it allows automated collection and storage of data on flowsand water quality. However, the current system is overloaded andoutdated.
Project Objective	Wineville project increases both water recycling and groundwater recharge. Itincreases the reliability of regional water supplies by increasing the number of times that each drop of water in the watershed isused. It reduces reliance on imported water and provides recycled water for irrigation and industrial uses so valuable potable water can be conserved for potable uses. The project objective is to increase recycled water direct use by 1,500 AFYand indirect use by 4,500 AFY.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	21000000
Federal Contribution	0

Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	22041690

Geographic Information

Latitude DD(+/-)	34	MM	2	SS	26
Longitude DD(+/-)	-117	MM	30	SS	25

Longitude/Latitude Clarification: center Location: Chino Basin

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Chino Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	60th Assembly District,61st Assembly District,62nd Assembly District,63rd Assembly District
Senate District	29th Senate District,31st Senate District,32nd Senate District
US Congressional District	District 29 (CA),District 31 (CA),District 35 (CA)

Project Information

Project Name: C - Forest First - Increase Stormwater Capture and Decreas

Implementing Organization	U S FOREST SERVICE
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	9/30/2018
Project Scope	Thinning/vegetation removal and road reconstruction on two areas of the Forest. Monitoring of hydrologic response
Project Description	The forest's goal of restoration is healthy resilient landscapes that will have greater capacity to survive natural disturbances and large scale threats to sustainability, especially under changing and uncertain future environmental conditions, such as those driven by climate change and increasing human uses. The Forest Service and its partners seek to use a planned ecosystem restoration (thinning/vegetation removal and road reconstruction) project in the San Bernardino National Forest to quantify any benefits this type of forest management may have on water quality (sediment reduction), water supply (less vapotranspiration), and reduced operations and maintenance costs (sediment reduction). The project will take place in the "Bluff" area and in "Unit 3". Fuel Reduction is planned in the Bluff area in the headwaters of Siberia Creek, tributary to Bear Creek and the Santa Ana River. This project area also includes an evaluation/monitoring plan to verify that the proven link between forest management and increased flows can occur in the San Bernardino National Forest given multiple endangered species considerations that can limit tree removal percentage. The cost and benefits of reduced sediment will be applied to the life of the Seven Oaks Dam (avoided costs=savings of being proactive versus reactive).Unit 3 of the Santa Ana Fuels reduction project area includes 2 perennial and multiple intermittent crossings along 4 miles of Forest Service Road (FSR) 1N09 where sediment delivery is active, as well as 145 acres of vegetation manipulation.
Project Objective	Treatment objectives are to meet sustainable forest management, and restore landscape capacity and conservation of biological diversity. The Forest Service partners will be responsible for developing and performing a monitoring program to prove that forest ecological restoration benefits downstream customers through increased water supply, improved water quality (less sediment) and reduced O&M costs (less sediment).

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	3981040
Federal Contribution	250000
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	5272730

Geographic Information

Latitude DD(+/-)	34	MM	13	SS	55
Longitude DD(+/-)	116	MM	58	SS	7
Longitude/Latitude Clarification	bluff side	Location			San Bernardino Nationa

County San Bernardino Ground Water Basin Bear Valley,Big Meadows Valley Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	33rd Assembly District
Senate District	1st Senate District
US Congressional District	District 2 (CA)

Project Information

Project Name: B - Quail Valley Subarea 9 Phase 1 Sewer Sys

Implementing Organization	Eastern Municipal Water District
Secondary Implementing Organization	
Proposed Start Date	1/1/2014
Proposed End Date	1/31/2016
Project Scope	The project consists of construction of a sanitary sewer collection system in Quail Valley to replace failing septic systems.
Project Description	
Project Objective	

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	2010460
Total Project Cost	5680460

Geographic Information

Latitude DD(+/-)	33	MM	41	SS	21
Longitude DD(+/-)	117	MM	14	SS	57
Longitude/Latitude Clarification	center	Location			The intersection of Casa Bonita Avenue anc

County Riverside Ground Water Basin San Jacinto Hydrologic Region South Coast WaterShed

Santa Ana River Watershed, San Jacinto River Subwatershed

Legislative Information

Assembly District	67th Assembly District
Senate District	23rd Senate District
US Congressional District	District 42 (CA)

Project Information

Project Name: T - Wilson III Basins Project and Wilson Basins

Implementing Organization	City of Yucaipa
Secondary Implementing Organization	San Bernardino County Flood Control District
Proposed Start Date	10/1/2013
Proposed End Date	9/28/2015
Project Scope	Construction of detention/recharge basins along Wilson Creek, provide modifications to upstream spreading basins.
	Project consists of two sites located along Wilson Creek. Site A is proposed within a 100-acre area owned by San Bernardino County Flood Control District (SBCFCD). Conceptual planning proposes a project footprint utilizing 50 acres of the sites to construct a number of detention basins providing an excellent location for discharge

Project Description	and percolation of State Water Project water for groundwater recharge in addition to new native water recharge. As part of the project, 2nd St. will function as an embankment for the detention/recharge basin west of the project. Wilson Creek and Oak Glen Creek confluence on site and conceptual planning shows recharge basins along the creek in meandering channels with recharge pools in between channel sections. The recharge area will also preserve the native habitat and function as a passive park for the community with walking trails, boulders, seat walls and educational signage at kiosk locations. Since Wilson III is located at the confluence of two major streams in the City: Wilson Creek and Oak Glen Creek, with tributaries that extend into the San Bernardino Mountains, the headwaters of the Santa Ana River Basin, it makes it a prime candidate for groundwater recharge. The project is a regional facility which will include SBCFCD, San Bernardino Valley Municipal Water District, Yucaipa Valley Water District (YVWD) and Inland Empire Resource Conservation District (IERCD) as partners. The site is located south of Oak Glen Rd. near the City's Community Park and the County's Yucaipa Regional Park making it an ideal location for expansion of and connection to existing master planned recreational trails which connect to Wildwood Canyon State Park. 30-acre site B, with highly productive spreading basins, is currently being used for SWP water spreading. The project will provide modifications to basin inlets, outlets, spillways and basin-to-basin drains enabling the facility to expand the capture of native and artificial waters for recharge.
Project Objective	Provide multiple community benefits including storm water and sediment control along Wilson Creek and Oak Glen Creek, flood control and debris deposition for 180 homes located within the FEMA- designated 100-year flood zone, native and artificial groundwater recharge, improvement of water quality by reducing stream sediment loading, reduction of non-point source pollutants during storm events, environmental restoration and enhancements and enhanced multi-purpose trails.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	12292721
Federal Contribution	0
Inkind Contribution	0
Amount Requested	781270
Total Project Cost	13073991

Geographic Information

Latitude DD(+/-)	33	MM	55	SS	56
Longitude DD(+/-)	117	MM	23	SS	52

Longitude/Latitude Clarification: center of project Location: Wilson creek near the C

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Yucaipa Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	65th Assembly District
Senate District	31st Senate District
US Congressional District	District 42 (CA)

Project Information

Project Name: P - Commercial/Industial/Institutional Performa

Implementing Organization	Municipal Water Dist. Of Orange Co.
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	9/30/2018
Project Scope	Implement a holistic performance-based water use efficiency rebate program at commercial/industrial/institutional sites.
	The Program targets CII and LL sites, encouraging the reduction of water use by offering incentives based on volumetric water savings to customers within the watershed. At CII sites, projects will result in water reduction through comprehensive process improvements (e.g. on-site industrial process reuse) and/or the one-to-one replacement of high water using devices for water efficient devices (e.g. standard toilet for a high-efficiency toilet). At LL sites (landscapes greater than one acre), comprehensive landscape projects may include any combination of the

Project Description	following components: the replacement of non-functional turfgrass with climate-appropriate, non-invasive, California-Friendly landscapes or permeable surfaces, conversion of high-water-using spray heads to rotating nozzles, upgrade of conventional irrigation timers to smart timers, and irrigation management services. This Program is designed to encourage implementation through financial incentives available for the performance-based water use efficiency projects. Incentive payments from MWDOC are only offered to CII and LL sites successfully implementing long-term improvements. The incentive rate for comprehensive projects is $195 per acre-foot of water saved, with a savings life up to ten years. The incentive rate for one-to-one improvements will mimic the Metropolitan Water District of Southern California (MWD) regional rebate rates. Incentives may not exceed engineering, equipment, and construction costs. The Program application will include: 1) Complete description of the proposed project; 2) Cost estimate for the proposed project improvements; 3) An engineering report or vendor proposal (for comprehensive CII/LL improvements); 4) A process schematic with meter locations shown or comparable monitoring methodology (for comprehensive CII/LL improvements); and 5) Current water use, water savings estimate and, where appropriate, wastewater discharge savings estimates.
Project Objective	To provide multi-level partnerships for administration within OC's entire SAWPA area with Program benefits yielded by multiple agencies while building on existing water use efficiency programs. The Program water savings goal is 450 AFY. This will be achieved by targeting the following individual project-type goals: 75 AFY for CII comprehensive process improvements, 170 AFY for CII one-to-one improvements, and 205 AFY for comprehensive LL projects.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	1927512
Federal Contribution	0
Inkind Contribution	0
Amount Requested	520840
Total Project Cost	2448352

Geographic Information

Latitude DD(+/-)	33	MM	45	SS	19
Longitude DD(+/-)	117	MM	55	SS	0
Longitude/Latitude Clarification	center		Location		Program will be availabl

County Orange Ground Water Basin Coastal Plain Of Orange County Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	55th Assembly District,65th Assembly District,68th Assembly District,69th Assembly District,72nd Assembly District,74th Assembly District
Senate District	29th Senate District,34th Senate District,37th Senate District
US Congressional District	District 39 (CA),District 45 (CA),District 46 (CA),District 47 (CA),District 48 (CA)

Project Information

Project Name: N - Vulcan Pit Flood Control and Aquifer Recha

Implementing Organization	City of Fontana
Secondary Implementing Organization	
Proposed Start Date	12/31/2012
Proposed End Date	10/31/2014
Project Scope	Construct 7,100 LF 24" Recycled Waterline, 22,000 LF of RCP (48"-144" dia.), and a 2,000 AF flood control and recharge basin.
	The proposed project includes basins and related improvements together with conveyance facilities for storm and recycled water systems. Each is discussed in detail in the following paragraphs: The basin site is 58 acres in size and is an abandoned mined pit. The proposed flood control and aquifer recharge basin will occupy the east 48 acres and the remaining 10 acres will be surplus property. Grading activities will occur over the entire site. The proposed recharge basin will include a storage volume of approximately 2,000 acre-feet, primarily below grade. The project will include construction of a Division of Safety of Dams (DSOD) jurisdictional berm along the south, west, and east sides of the basin. To deliver

Project Description	water to the basin, two inlet facilities will be constructed, one along the east edge of the basin and the other along the west edge of the basin. Outlet facilities will include a low flow pipe and a reinforced concrete spillway both located in the southwest corner of the recharge basin facility. Wildermuth Environmental, Chino Basin Watermaster consultant, has completed several studies of the project site and has concluded that the proposed project is the "ideal project" for groundwater recharge activities. Conveyance facilities will be constructed to deliver storm and recycled water to the basin for flood protection and recharge. The storm drain system will convey storm and recycled water to the basin. The system will include pipelines (ranging from 4' to 12' in diameter), manholes, catch basins, and diversion structures. The alignments will primarily occupy public rights-of-way including public streets and SANBAG trail right-of-way (80' wide). The alignments do not conflict with any notable historic or major infrastructure improvements. The recycled waterline is located in Baseline Avenue between I-15 and Cherry Avenue. The alignment will cross the San Savaine Channel east of I-15. Otherwise, no other significant structure will be encountered.
Project Objective	The City's objectives for the project are to improve flood protection, to enhance water conservation and water quality through groundwater recharge, and stabilize water rates.

Project Benefits Information

Project Objective

Budget

Other Contribution	9950000
Local Contribution	12703000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	23694690

Geographic Information

Latitude DD(+/-)	34	MM	5	SS	47
Longitude DD(+/-)	117	MM	27	SS	36
Longitude/Latitude Clarification	center	Location	East of Lime Avenue, North of Metrolink Tracks, We		

County San Bernardino Ground Water Basin Upper Santa Ana Valley Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	62nd Assembly District,63rd Assembly District
Senate District	32nd Senate District
US Congressional District	District 43 (CA)

Project Information

Project Name: M - Customer Handbook to Using Water Efficie

Implementing Organization	Western Municipal Water District
Secondary Implementing Organization	San Bernardino Valley Municipal Water District, Eastern Municipal Water District, Inland Empire Utilities Agency and more
Proposed Start Date	11/1/2012
Proposed End Date	4/30/2015
Project Scope	This guide will educate people on specific methods and materials that will assist them in becoming water-efficient in their l
Project Description	Creation, development, and promotion of an engaging customer handbook to promote the use of, and assist customers in, using landscape water efficiently. The book will be Specific to the Santa Ana Watershed, Authored by University of California Cooperative Extension researchers, Approximately 50 pages in length, PDF format, Available to anyone in the watershed, Chaptered to cover: Why care? Overview of the watershed, Soils – texture, drainage, fertility, compost, mulch, amendments, Irrigation – design and layout, equipment, scheduling, non-point source pollution, Plants – types, planting and care, pruning, pests, Designing a landscape.
Project Objective	To educate all customers of the watershed about using water efficiently in the landscape. To demonstrate, in simple terms, ways that customers can easily adapt their habits and uses of water in the landscape to be more efficient. Present the

	information is such a way as to be engaging, informative, and enticing to read. If the project comes to fruition, many member agencies of the SAWPA agencies have expressed interest in collaborating on this project.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	40000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	125000
Total Project Cost	165000

Geographic Information

Latitude DD(+/-)	33	MM	55	SS	56
Longitude DD(+/-)	117	MM	23	SS	52
Longitude/Latitude Clarification	center	Location	Project encompasses the entire watershed so th		

County Riverside Ground Water Basin Coastal Plain Of Orange County Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River; 50 4802 San Jacinto Valley

Legislative Information

Assembly District	33rd Assembly District,40th Assembly District,41st Assembly District,42nd Assembly District,47th Assembly District,52nd Assembly District,55th Assembly District,60th Assembly District,61st Assembly District,65th Assembly District,67th Assembly District,68th Assembly District,69th Assembly District,71st Assembly District,72nd Assembly District,73rd Assembly District,74th Assembly District
Senate District	16th Senate District,20th Senate District,23rd Senate District,25th Senate District,28th Senate District,29th Senate District,31st Senate District,34th Senate District,36th Senate District,37th Senate District
US Congressional District	District 8 (CA),District 27 (CA),District 31 (CA),District 35 (CA),District 36 (CA),District 39 (CA),District 41 (CA),District 42 (CA),District 45 (CA),District 46 (CA),District 47 (CA),District 48 (CA)

Project Information

Project Name: L - 14th Street Groundwater Basin

Implementing Organization	City of Upland
Secondary Implementing Organization	Chino Basin Watermaster
Proposed Start Date	10/1/2013
Proposed End Date	9/30/2018
Project Scope	Construction of water quality/regional drainage facility consisting of a 620ft x 315ft 23Ac-ft Detention/Retention Basin.
Project Description	The project will be located at the intersection of Benson Avenue and the projection of 14th Street on city-owned parcels with a vacant area of 9.36. This integrated project addresses numerous components of storm water management: flood control, recharge, and water quality. The Project will consist of the construction of a 620 ft. x 315 ft. 23 Ac-ft Detention/Retention Basin, 2,300 feet of 84-inch RCP, 1,296 feet of 42-inch RCP, 653 feet of 36-inch RCP, 470 feet of 24-inch RCP that will capture and convey storm flows from small to medium storm events. For larger storm events (Q100) the project will convey flows to Upland Basin, below you will find Exhibit A that gives an overall representation of the project.
Project Objective	The objective of this project is to enhance flood protection, water quality improvement, recharge, reduction in imported water and decrease greenhouse gas and improve the water quality of the Chino Basin through the construction of the 14th Street Groundwater Recharge and Storm Water Quality Treatment Integration Facility. The proposed project will capture and convey approximately 400 ac-ft of rain storm runoff per year, which normally would have been lost to the region.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	5219187
Federal Contribution	0
Inkind Contribution	0
Amount Requested	520840
Total Project Cost	5740027

Geographic Information

Latitude DD(+/-)	34	MM	6	SS	53
Longitude DD(+/-)	117	MM	40	SS	41

Longitude/Latitude Clarification: center Location: Mountain Avenue and the wes

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Chino Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	61st Assembly District,63rd Assembly District
Senate District	31st Senate District,32nd Senate District
US Congressional District	District 26 (CA)

Project Information

Project Name: S - Recycled Water Project Phase (Arlington-C

Implementing Organization	City of Riverside Public Utilities Department
Secondary Implementing Organization	
Proposed Start Date	10/21/2013
Proposed End Date	10/21/2018
Project Scope	Complete environmental documentation, commence and complete design, and construct the Arlington-Central pipeline.
Project Description	This project consists of the construction of 8 inch, 12 inch, 16 inch, and 24 inch diameter recycled water pipelines to convey recycled water produced at the City's Regional Water Quality Control Plant (RWQCP). The pipelines will transverse along Arlington-Central Avenue in the City of Riverside. This pipeline will supply recycled water to irrigate parks, large industrial/institutional customers, golf courses, schools, and medians. The construction of this pipeline is a major operable unit to the City's recycled water distribution system and will serve as the backbone to this system.
Project Objective	The main goal of this project is to reuse all recycled water produced by the City's RWQCP. To achieve this goal the City is looking at ways to diversify its water supply by utilizing its existing recycled water source. Presently the city utilizes less than 1% of its available recycled water due to the lack of infrastructure. The City also plans to supply recycled water to WMWD and neighboring agencies.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	28869800
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	29911490

Geographic Information

Latitude DD(+/-)	33	MM	56	SS	46
Longitude DD(+/-)	117	MM	24	SS	15

Longitude/Latitude Clarification: center Location: The Project is located in the City of Riverside along Arlir

County Riverside Ground Water Basin Upper Santa Ana Valley-Riverside-Arlington Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	64th Assembly District
Senate District	31st Senate District
US Congressional District	District 44 (CA)

Project Information

Project Name: O - Francis Street Storm Drain and Ely Basin F

Implementing Organization	City of Ontario
Secondary Implementing Organization	
Proposed Start Date	8/5/2013
Proposed End Date	1/16/2015
Project Scope	Construct 7,400 LF of RCP, 84" to 132" diameters and excavate Ely Basins to provide 310 AF additional volume.
Project Description	The proposed project includes conveyance facilities for stormwater together with basin improvements. Conveyance facilities will be constructed along Francis Street from Campus Avenue to the West Cucamonga Channel. The existing West Cucamonga Channel will convey runoff, currently lost to the region, to the Ely Basins. The system will include pipes ranging (from 18" to 132" in diameter), manholes, catch basins, and diversion structures. The alignments will only occupy public rights-of-way. The alignments do not conflict with any notable historic or major infrastructure improvements. The three Ely Basins are located on the north side of Philadelphia Street between South Walker Avenue and South Carlos Avenue. The Basins, in their current condition, consist of three separate basins approximately 1,200 feet long by 525 feet high by 30 feet deep. The basins are connected by shallow box tunnels with two 30-inch diameter low flow pipe connections with manually operated sluice gate valves. The concrete spillway structure is located in the southeast corner of the basins and directs flows back into the West Cucamonga Channel. The proposed project will further excavate the basins allowing for additional recharge capacity, capture and convey greater quantities of runoff to the basins, and will take advantage of the existing inlet and outlet facilities. With the proposed basin improvements, the basins will increase in storage volume by approximately 310 acre-feet.
Project Objective	The City's objectives for the project are to improve flood protection and to enhance water conservation and water quality through groundwater recharge.

Project Benefits Information

Project Objective

Budget

Other Contribution	7820000
Local Contribution	8070000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	781270
Total Project Cost	16671270

Geographic Information

Latitude DD(+/-)	34	MM	2	SS	6
Longitude DD(+/-)	117	MM	36	SS	47
Longitude/Latitude Clarification	center	Location	South of Ontario Airport, north of Highway 60, east		

County San Bernardino Ground Water Basin Upper Santa Ana Valley Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	61st Assembly District
Senate District	32nd Senate District
US Congressional District	District 43 (CA)

Project Information

Project Name: Q - Peters Canyon Channel Water Capture anc

Implementing Organization	City of Irvine

Secondary Implementing Organization	City of Tustin, Caltrans, Orange County Flood Control District, Irvine Ranch Water District
Proposed Start Date	7/1/2014
Proposed End Date	3/1/2015
Project Scope	Construct a pipeline and 3 diversion structures to transport selenium-laden discharges to OC Sanitation District.
Project Description	The Peters Canyon Channel Water Capture and Reuse Pipeline will capture and divert discharges of selenium-laden ground and surface water at four locationsfrom three permanent roadway dewatering locations and two stormdrains (two dewatering locations are co-located). Flows will be transported through an underground pipeline to the Orange County Sanitation District (OCSD) Fountain Valley facility via the Main Street Trunk Sewer for treatment and discharge to the Orange County Water District (OCWD) Groundwater Replenishment System (GWRS).There are Total Maximum Daily Loads for selenium and nitrogen in the Newport Bay watershed including Peters Canyon Channel. The project proponents are currently in compliance with their permitted discharges and this project is not required for compliance, but will reduce selenium loadings by 258 lbs per year and nitrate loadings by 70,000 lbs per year.The source of the selenium laden groundwater is the historicalCienega de lasRanaswhich covered the project area.The pipeline will begin at Walnut Avenue where discharges from the Caltrans 261 Tollway will be collected. The proposed alignment will run along the east side of Peters Canyon Channel approximately 10,000 ft to Barranca Parkway. In this reach low flows from Como Channel, Edinger Circular Drain, and Valencia Drain will be added to the pipeline. At Barranca Parkway, the pipeline will cross the channel and travel along the west side approximately 6,000 ft to the OCSD Main Street sewer. At the OCSD treatment facility, discharges will receive secondary treatment and be transferred to the co-located GWRS. At the GWRS flows will be purified using a three-step advanced treatment process consisting of micro-filtration, reverse osmosis and ultraviolet light with hydrogen peroxide and either injected through wells to create a seawater intrusion barrier or to OCWD's percolation basins in Anaheim.
Project Objective	1) to reduce levels of nitrogen and selenium within Peters Canyon Wash and the Newport Bay watershed and 2) beneficially reuse diverted flows for groundwater replenishment.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	7691112
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	8732802

Geographic Information

Latitude DD(+/-)	33	MM	41	SS	41
Longitude DD(+/-)	117	MM	49	SS	4

Longitude/Latitude Clarification center Location Peters Canyon Channel 680 feet

County Orange Ground Water Basin Coastal Plain Of Orange County Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	74th Assembly District,68th Assembly District
Senate District	37th Senate District
US Congressional District	District 45 (CA)

Project Information

Project Name K - Canyon Lake Hybrid Treatment Process

Implementing Organization	Lake Elsinore & San Jacinto Watersheds Authority
Secondary Implementing Organization	Riverside County Flood Control & Water Conservation District, City of Canyon Lake
Proposed Start Date	10/1/2013
Proposed End Date	10/30/2015

Project Scope	Project will attain water quality standards and match water quality with intended use.
Project Description	The proposed Project would improve water quality in Canyon Lake by reducing lake water nutrient concentrations and internal cycling thereby reducing the growth potential for algae and the occurrence frequency of low dissolved oxygen and ammonia toxicity conditions. It would improve water quality in Canyon Lake for recreational use, aesthetics, and aquatic ecosystem health. Currently, algal blooms occur multiple times throughout the year, which make the water appear green and dirty. The algae then decay and contribute a substantial sediment oxygen demand to the lake bottom, which depletes dissolved oxygen needed by fish. Anoxic conditions at the sediment water interface increase free reactive phosphorus and ammonia flux rates from sediments to pore water and from pore water to the overlying water column. Occasionally, ammonia releases are large enough the create conditions of toxicity per the CTR hardness based standard. The Project will reduce lake water nutrient concentrations and internal cycling and thereby reducing the growth potential for algae and the occurrence frequency of low dissolved oxygen and ammonia toxicity conditions. In addition, each of the Project proponents is required to comply with the TMDL requirements, which are contained within their respective NPDES discharge permits or Conditional Waiver of Agricultural Discharges (CWAD) with the Regional Board. The proposed Project will help meet these regulatory requirements for the Project proponents.
Project Objective	The objective of the Project is to improve water quality to meet response targets contained in the TMDL for chlorophyll-a, dissolved oxygen, and ammonia toxicity. Recent modeling of the potential water quality benefits from the proposed alum additions to Canyon Lake estimated a sharp decline in chlorophyll-a concentration throughout the lake, eliminating the impairment related to algae.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	385500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	520840
Total Project Cost	906340

Geographic Information

Latitude DD(+/-)	33	MM	41	SS	26
Longitude DD(+/-)	117	MM	16	SS	10
Longitude/Latitude Clarification	center	Location			Canyon Lake

County Riverside Ground Water Basin San Jacinto Hydrologic Region South Coast WaterShed

50 4802 San Jacinto Valley

Legislative Information

Assembly District	42nd Assembly District,61st Assembly District,67th Assembly District,71st Assembly District
Senate District	23rd Senate District,28th Senate District,31st Senate District
US Congressional District	District 36 (CA),District 41 (CA),District 42 (CA)

Project Information

Project Name: R - Soboba Band of Luiseño Indians Wastwate

Implementing Organization	Soboba Band of Luiseño Indians
Secondary Implementing Organization	Soboba Band of Luiseño Indians
Proposed Start Date	10/1/2013
Proposed End Date	9/30/2014
Project Scope	work concurrently with contractor to create a feasibility study for a wastewater management facility on the reservation.
Project Description	The Soboba Band of Luiseño will solicit bids from several contractors and determine the best organization to conduct a feasibility study, otherwise known as the Tribe's Wastewater Management Facility Development Plan. Once determined, the contractor will work concurrently with our Department of Public Safety, Environmental Department, and all other necessary departments to ensure the project is administered properly and efficiently.

Project Objective	To develop a comprehensive feasibility study for a potential wastewater management facility to serve tribal community members. The potential wastewater management facility will improve the quality of water on the reservation and water usage efficiency, thereby helping surrounding communities as well through water conservation.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	53000
Amount Requested	156250
Total Project Cost	209250

Geographic Information

Latitude DD(+/-)	33	MM	47	SS	28
Longitude DD(+/-)	-116	MM	55	SS	44

Longitude/Latitude Clarification center Location Soboba Band of Luiseñ

County Riverside Ground Water Basin San Jacinto Hydrologic Region South Coast WaterShed

50 4802 San Jacinto Valley

Legislative Information

Assembly District	42nd Assembly District
Senate District	23rd Senate District
US Congressional District	District 36 (CA)

Project Information

Project Name H - Corona/Home Gardens Well Rehabilitation and M

Implementing Organization	City of Corona
Secondary Implementing Organization	
Proposed Start Date	1/31/2012
Proposed End Date	6/30/2014
Project Scope	Purchase well site from Home Gardens, drill replacement wells, and install pipeline, nitrate removal system and connections.
Project Description	The City of Corona Department of Water and Power (DWP) is partnering with the Home Gardens County Water District (District) to replace 70-year-old, inactive, ground water wells located on Grant Street in the unincorporated area of Home Gardens. One of the wells has structural problems and cannot be rehabilitated. The other is shallow and produces only non-potable water with high nitrate levels. The District does not have the ability to treat the high nitrate groundwater with their current infrastructure. DWP, however, owns and operates a comprehensive well collection system just two miles away which will treat the water so it could be used. The District has agreed to sell DWP the well site through an agreement that will benefit both agencies. The DWP will replace the two wells and construct over 11,000 feet of 12-inch pipeline from the well site to well collection lines in Corona. A nitrate removal system will also be installed to remove excess nitrates before the water joins DWP's existing well collection system. The blended water will meet the regulatory standards of the Environmental Protection Agency and the California Department of Health Services. The District will also benefit from the pipeline through a water purchase agreement that is currently being negotiated with the DWP. This project provides a long-term, sustainable solution for increasing reliable, quality water. The DWP estimates that each well will produce 1,600 acre feet of water annually, which equates to enough water for 20,000 people. Utilizing local water sources is a sustainable practice which is also more cost effective than importing water which helps keep water rates lower for all residents. Over fifty years, this project has a low estimated cost of $57 per acre feet, building new treatment facilities. The regional integration and coordination efforts incorporated make this an affordable option that preserves and protects the environment by utilizing local water sources.
Project Objective	The main project objective is to replace 70-year-old, non-functioning wells in order to create a local potable water source. DWP has the ability to treat the water and needs additional water resources. With funding, this project will replace the obsolete, non functioning wells and construct pipelines to transport the water to

	treatment facilities. Each well will generate 1,600 AF of water annually by pumping and treating water from the currently inactive wells.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	4720400
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1354180
Total Project Cost	6074580

Geographic Information

Latitude DD(+/-)	33	MM	52	SS	38
Longitude DD(+/-)	117	MM	31	SS	16

Longitude/Latitude Clarification cent Location The center of the project location is the well site in Home Gardens, an unin

County Riverside Ground Water Basin Upper Santa Ana Valley-Temescal Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	71st Assembly District
Senate District	37th Senate District
US Congressional District	District 44 (CA)

Project Information

Project Name E - Plunge Creek Water Recharge and Habitat

Implementing Organization	San Bernardino Valley Water Conservation District
Secondary Implementing Organization	San Bernardino County Flood Control and Water Conservation District, San Bernardino Valley Municipal Water District, and more
Proposed Start Date	10/1/2013
Proposed End Date	10/31/2017
Project Scope	Habitat improvements for the San Bernardino Kangaroo Rat (SBKR) & Water Recharge Enhancement in and near Plunge Creek.
Project Description	The Plunge Creek Conservation project is a combined San Bernardino Kangaroo Rat (SBKR) Habitat & Water Recharge Enhancement activity that will provide habitat improvements above the mitigation requirements for impacts to SBKR resulting from implementation of our Wash Plan while also providing groundwater recharge from native stream restoration in and near Plunge Creek. Native flows and water diverted from the Santa Ana River can be used for restoration and recharge. The restoration and enhancement removal and thin vegetation around the stream will improve habitat and provide percolation. The project would restore and enhance approximately one-half of the stream on District owned lands. Creek areas with no ground cover vegetation and wide spacing of shrubs would increase foraging and movement habitat for SBKR and increase percolation of recharge waters. Widening of the stream course would also allow for increased water percolation in the stream bottom. This enhancement activity would complement the proposed mitigation to improve and/or restore the historic breakout channels from past episodic flood events in the Santa Ana River (SAR) to serve as movement corridors for SBKR. The breakout channels would provide connectivity for the Plunge Creek and SAR populations. The project builds on the previously completed Wash Plan and Environmental Impact Report (EIR) as well as the proposed HCP that is currently under preparation. The HCP is required by the Federal Endangered Species Act due to potential indirect harm that may occur to SBKR caused by implementation of the Wash Plan. The HCP identifies mitigation, including removing non-native grasses and restoring decadent vegetation to enhance SBKR habitat and other actions, to offset the indirect effects of the Wash Plan. The proposed enhancement project will add a recharge component to the Wash Plan vegetation management mitigation by spreading native water flows in Plunge Creek through increased surface percolation.
Project Objective	To increase SBKR habitat and groundwater percolation by increasing the permeable area of the stream bottom in Plunge Creek Stream restoration provides habitat improvements for the SBKR with connectivity to the Santa Ana River communities. It creates a more natural stream course during high flows and improves the sediment management for the habitat. By widening the existing channel, it helps alleviate

	pressure on flood control facilities.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	210500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	520840
Total Project Cost	731340

Geographic Information

Latitude DD(+/-)	34	MM	6	SS	15
Longitude DD(+/-)	-117	MM	9	SS	54
Longitude/Latitude Clarification	center	Location	Combined SBKR Habitat & Water Recharge E		

County San Bernardino Ground Water Basin Upper Santa Ana Valley-Bunker Hill Hydrologic Region South Coast WaterShed

49 4801 Santa Ana River; 48 4481 Santa Ana River

Legislative Information

Assembly District	40th Assembly District
Senate District	23rd Senate District
US Congressional District	District 3 (CA)

Project Information

Project Name: A - Perris Desalination Program -Brackish Wate

Implementing Organization	Eastern Municipal Water District
Secondary Implementing Organization	
Proposed Start Date	1/1/2014
Proposed End Date	1/31/2016
Project Scope	Adding 3 groundwater wells to the existing brackish water distribution system supplying the existing Perris Desalter.
Project Description	The project will provide reliable local water supply year-round reducing imported water needs, meet emergency water demands, and maximize local water use efficiency. It will remove up to an additional 2,900 AF/yr of brackish water from the Perris groundwater basin by installing three new wells and associated equipment and approximately 8,100 feet of pipeline and other equipment. The existing Perris Desalter has sufficient capacity to treat the additional well water to produce up to 1.8 MGD of potable water which will supply up to 4,000 families in the overlying disadvantaged community within Riverside County.The project will utilize EMWD's existing investment in salt management infrastructure, avoiding the costs of a new desalter as well as its collection and product water pipelines. It will help reduce salinity and nutrients for all down-gradient water users by exporting salt and nitrate from the basin while producing potable water. The Project will conserve water from the Bay-Delta by reducing imported water demand thereby decreasing evaporative losses and energy use during transport. It will also increase the availability of imported water for the entire Southern California region by decreasing EMWD imported water demand at a rate of 1 to 1. The Project provides a TIN/TDS offset within its Groundwater Management Zone, thus enabling increased use of recycled water within the Zone. This will provide the opportunity for more recycled water to be used locally for parks and open space areas so that residents may enjoy a more aesthetic, natural and scenic environment leading to a cleaner and more sustainable community. EMWD will provide a long-term sustainable supply of potable water to the disadvantaged community overlying the Perris Groundwater basin at a fair cost for the area by leveraging the costs for the wells with EMWD's existing infrastructure and utilizing drought-resistant supplies that would otherwise be unusable due to elevated levels of salts.
Project Objective	The project will: mitigate exceedance of the primary MCLs for nitrate, perchlorate and the secondary MCL for TDS; decrease reliance on imported water; increase reliability of local water sources for emergency and drought preparedness; supplement water supply for disadvantaged communities; reduce EMWD's Greenhouse Gas footprint by desalinating local sources instead of importing water and; treat non-potable water sources for potable use, thereby conserving water resources for use in other areas.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	9238280
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1041690
Total Project Cost	10279970

Geographic Information

Latitude DD(+/-)	33	MM	45	SS	5
Longitude DD(+/-)	-117	MM	11	SS	58
Longitude/Latitude Clarification	center	Location	Well Nos. 94, 95 and 96 will be located in the		

County Riverside Ground Water Basin San Jacinto Hydrologic Region South Coast WaterShed

50 4802 San Jacinto Valley

Legislative Information

Assembly District	61st Assembly District
Senate District	37th Senate District
US Congressional District	District 42 (CA)

Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles. Please note which projects, if any, directly address a critical water supply or water quality issue for DACs or Native American Tribal communities.

Twenty lead agencies from across the region will be constructing projects that when complete will improve the water, flood and habitat resources for the Santa Ana Rive Watershed. The portfolio provides water use efficiency, enhanced groundwater recharge, integrated flood control/habitat benefits, non-point source pollution reduction, sa removal from local aquifers, and assistance to disadvantaged communities. Stormwater/Recycled Water Projects include: - Project D: Wineville Regional Recycled Water Pip and Groundwater Recharge System Upgrades (Inland Empire Utilities Agency) - Project E: Plunge Creek Water Recharge and Habitat Improvement (San Bernardino Valley Conservation District) - Project G: San Sevaine Groundwater Recharge Basin (Inland Empire Utilities Agency) - Project I: Enhanced Stormwater Capture and Recharge alon Santa Ana River (San Bernardino Valley Municipal Water District) - Project L: 14th Street Groundwater Recharge and Stormwater Quality Treatment Integration Facility (C Upland) - Project N: Vulcan Pit Flood Control and Aquifer Recharge Project (City of Fontana) - Project O: Francis Street Storm Drain and Ely Basin Flood Control and Aqu Recharge Project (City of Ontario) Project - S: Recycled Water Project Phase l, Arlington-Central Avenue Pipeline (City of Riverside) - Project T: Wilson III Basins Project Wilson Basins/Spreading Grounds (City of Yucaipa) Water Quality Improvement Projects include: - Project A: Perris Desalination Program ? Brackish Water Wells 94, 95 a (Eastern Municipal Water District) - Project F: Prado Basin Sediment Management Demonstration Project (Orange County Water District) - Project H: Corona/Home Gard Well Rehabilitation and Multi-Jurisdictional Water Transmission Line Project (City of Corona) - Project K: Canyon Lake Hybrid Treatment Process (Lake Elsinore San Jac Watershed Authority) - Project Q: Peters Canyon Channel Water Capture and Reuse Pipeline (City of Irvine) Contaminated Groundwater Recovery and Salt Removal Proje include: Water Conservation/ Water Use Efficiency Projects include: - Project J: Regional Residential Landscape Retrofit Program (Inland Empire Utilities Agency) - Projec Customer Handbook to Using Water Efficiently in the Landscape (Western Municipal Water District) - Project P: Commercial/Industrial/Institutional Performance-Based W Use Efficiency Program (Metropolitan Water District of Orange County) Water Improvement through Ecosystem Restoration Projects include: - Project C: Forest First ? Inc Stormwater Capture and Decrease Sediment Loading through Forest Ecological Restoration (US Forest Service) Projects to support Disadvantaged Communities include: - P B: Quail Valley Subarea 9 Phase 1 Sewer System Project (Eastern Municipal Water District) Projects to support Native America Tribal communities include: - Project R: Sol Band of Luise?o Indians Wastewater Project (Soboba Tribe)

Q2. PROJECT DIRECTOR

Provide the name and details of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Celeste Cantu; General Manager; Santa Ana Watershed Project Authority; Phone: (951) 354-4220; Fax: (951) 785-7076; Email: ccantu@sawpa.org

Q3. PROJECT MANAGEMENT

Provide the name and contact information of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Mark R. Norton, P.E., LEED AP; Water Resources & Planning Manager; Santa Ana Watershed Project Authority; Phone: (951) 354-4221; Fax: (951) 785-7076; Email: mnorton@sawpa.org

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state and zip code of the applicant submitting the application.

Santa Ana Watershed Project Authority; 11615 Sterling Avenue; Riverside, CA 92503; Phone: (951) 354-4220; Fax: (951) 352-3422

Q5. ADDITIONAL INFORMATION

Provide the IRWM funding area(s) in which projects are locate.

Visit the following website to locate the IRWM funding area(s).

http://www.water.ca.gov/irwm/grants/fundingarea.cfm

Santa Ana Sub-region

Q6. DAC WAIVER COST SHARE REQUEST:

Are you applying for a DAC cost share waiver? If yes, complete attachment 10.

No

Q7. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S) (RWQCB)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

Visit the following website to find the RWQCB for a particular location:

http://www.waterboards.ca.gov/waterboards_map.shtml

Santa Ana Regional Water Quality Control Board

Q8. ELIGIBILITY

The Implementation Grant Program requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit E of this PSP. Are your matching funds less than 25%? If so, please explain.

The project portfolio exceeds the 25% local match requirement. The project portfolio has a non-state funding match of 82%. There are no projects in the portfolio with a ma lower than 25%.

Q9. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP? To verify, see RAP website: http://www.water.ca.gov/irwm/grants/rap.cfm If yes, include the name of the IRWM Region. If no, please explain.

SAWPA IRWM Region

Q10. ELIGIBILITY

Please specify whether the applicant is a local public agency or non-profit organization as defined in Appendix B of the 2012 Guidelines.

local public agency SAWPA is a Joint Powers Authority and a public agency organized and authorized pursuant to Government Code, Section 6500 et seq. and SAWPA's J Exercise of Powers Agreement entered into in 1975, focuses on water supply and water quality within the Santa Ana River Watershed. Its stated mission is to develop and ma regional plans, programs and projects that will protect the Santa Ana River basin water resources to maximize beneficial uses within the watershed in an economically an environmentally responsible manner. SAWPA is authorized to enter into the grant agreement pursuant to Government Code, Section 6508 and Section 3 (a) of the above-referenced Joint Exercise of Powers Agreement.

Q11. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and e-mail address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420, see Attachment 11. Answer "NA", if there are no urban water suppliers that will receive funding from the proposed grant.

Urban water suppliers receiving funding are listed below: 1. Eastern Municipal Water District (EMWD), Contact: Bonnie Wright, Phone: (951) 928-3777 ext. 4323, Emai wrightb@emwd.org; 2. Inland Empire Utilities Agency (IEUA), Contact: Jason Gu, Phone: (909) 993-1636, Email: jgu@ieua.org; 3. City of Corona Department of Water Power, Contact: Jacqueline Zukeran, Phone: (951) 739-4983, Email: Jacqueline.zukeran@ci.corona.ca.us; 4. City of Upland Water Department, Contact: Rosemary Hoerni Phone: (909) 291-2931, Email: rhoerning@ci.upland.ca.us; 5. Western Municipal Water District (WMWD) Contact: Pam Pavela, Phone: (951) 571-7236, Email: ppavela@wmwd.com; 6. City of Ontario, Contact: Nabil Kassih, Phone: (909) 395-2117, Email: nkassih@ci.ontario.ca.us; 7. Municipal Water District of Orange County (MWDOC), Contact: Joe Berg, Phone: (714) 593-5008, Email: jberg@mwdoc.com; 8. City of Riverside, Public Utilities ? Water Division. Contact: Todd Jorgenson, Inter Assistant General Manager. Phone: (951) 351-6263, Email: tjorgenson@riversideca.gov; Copies of their self certification of compliance with CWC ?525 et seq. and AB 142 included in Attachment 11.

Q12. ELIGIBILITY

Have all of the urban water suppliers, listed in Q11 above, submitted complete Urban Water Management Plans (UWMPs), to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP.
Answer "NA" if no urban water supplier identified in Q11 above.

YES, all urban water suppliers, listed in Q11 above, have submitted complete Urban Water Management Plans (UWMPs), to DWR and all but the Inland Empire Utilities Ag and the City of Riverside Public Utilities plans have been verified as complete by DWR. Copies of their DWR confirmation letters have been included in Attachment 11. - In Empire Utilities Agency submitted their plan to DWR in June of 2011, however they have not yet received a confirmation letter from DWR. - City of Riverside Public Utili submitted their plan to DWR in August of 2011, however they have not yet received a confirmation letter from DWR.

Q13. ELIGIBILITY

Have any urban water suppliers, listed in Q11, submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program on or after January 1, 2013? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the 2012 Guidelines for additional information.

Answer "NA" if no urban water supplier identified in Q11 above.

Yes, all urban water suppliers, listed in Q11, have submitted AB 1420 compliance tables and supporting documentation to DWR. For those who submitted these documents for a

different grant program this information is listed below. 1. Eastern Municipal Water District (EMWD), EMWD last submitted the Self-Certification Statement ? Tables 1 an regarding implementation of the Urban Best Management Practices (BMPs) to DWR on July 10, 2012. By letter dated July 30, 2012 (copy attached), DWR determined th EMWD is currently implementing the BMPs consistent with AB 1420; 2. Inland Empire Utilities Agency (IEUA), IEUA has submitted the AB1420 compliance documentatic it was not submitted specifically for another grant program. IEUA received a letter from DWR dated August 23, 2012 that states that IEUA?s is in compliance; 3. City of Co Department of Water & Power, submitted in conjunction with Proposition 84 IRWM round 2 program in March 2013; 4. City of Upland Water Department), The City subm the AB1420 compliance documentation but it was not submitted specifically for another grant program. The City received a letter from DWR dated July 17, 2012 that states the City is in compliance; 5. Western Municipal Water District (WMWD), self-certification tables were submitted in conjunction with a Local Groundwater Assistance Gran City of Ontario, submitted under Proposition 1E Stormwater Flood Management Round 2 Program in January 2013; 7. Municipal Water District of Orange County (MWDO submitted in conjunction with Proposition 84 IRWM round 2 program in March 2013; 8. City of Riverside, submitted in conjunction with Proposition 84 IRWM round 2 pro in March 2013;

Q14. ELIGIBILITY

Does the Proposal include any groundwater projects or other projects that directly affect groundwater levels or quality? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

Yes, this Proposal includes groundwater projects or other projects that directly affect groundwater levels or quality. The names of the projects and agencies that will impleme projects are listed below: A. Perris Desalination Program - Brackish Water Wells 94, 95 and 96, Eastern Municipal Water District (EMWD); B. Quail Valley Subarea 9 Pha Sewer System Project, Eastern Municipal Water District (EMWD); C. Wineville Regional Recycled Water Pipeline and Groundwater Recharge System Upgrades, Inland Em Utilities Agency (IEUA); D. Plunge Creek Water Recharge and Habitat Improvement, San Bernardino Valley Water Conservation District (SBVWCD); E. Prado Basin Sedi Management Demonstration Project, Orange County Water District (OCWD); F. San Sevaine Ground Water Recharge Basin, Inland Empire Utilities Agency (IEUA); G Corona/Home Gardens Well Rehabilitation and Multi-Jurisdictional Water Transmission Line Project, City of Corona Department of Water & Power; H. Enhanced Stormw Capture and Recharge along the Santa Ana River, San Bernardino Valley Municipal Water District (SBVMWD); I. 14th Street Groundwater Recharge and Storm Water Qu Treatment Integration Facility, City of Upland Water Department; J. Vulcan Pit Flood Control and Aquifer Recharge Project, City of Fontana; K. Francis Street Storm Drain Ely Basin Flood Control and Aquifer Recharge Project, City of Ontario; L. Peters Canyon Channel Water Capture and Reuse Pipeline, City of Irvine; M. Wilson III Basins Pr and Wilson Basins/Spreading Grounds, City of Yucaipa;

Q15. ELIGIBILITY

For the agency(ies) listed in Q14, how has the agency complied with CWC §10753 regarding Groundwater Management Plans (GWMPs), as described in Section III.B of the 2012 Guidelines?

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

Each agency listed in Q14 agency has complied with CWC ?10753 regarding Groundwater Management Plans (GWMPs), as described in Section III.B of the 2012 Guideline partnered with an agency has complied. A. Perris Desalination Program - Brackish Water Wells 94, 95 and 96, Eastern Municipal Water District (EMWD) - project is in EMV West San Jacinto Groundwater Basin. The West San Jacinto Groundwater Management Plan was prepared in June 2012; B. Quail Valley Subarea 9 Phase 1 Sewer System Pr Eastern Municipal Water District (EMWD) - project is in EMWD?s West San Jacinto Groundwater Basin. The 2011 Annual Report for the West San Jacinto Groundwate Management Plan was completed in June 2012; C. Wineville Regional Recycled Water Pipeline and Groundwater Recharge System Upgrades, Inland Empire Utilities Age (IEUA) ? project is included in IEUA?s Groundwater Management Plan called the Optimum Basin Management Program; D. Plunge Creek Water Recharge and Habitat Improvement, San Bernardino Valley Water Conservation District (SBVWCD), SBVWCD has complied with CWC 10753 regarding Groundwater Management Plans (GWM by adopting an Integrated Regional Water Management Plan of the Upper Santa Ana River Watershed and have prepared and implemented a GWMP in compliance with C 10753.7; E. Prado Basin Sediment Management Demonstration Project, Orange County Water District (OCWD), OCWD?s GWMP is OCWD?s strategic plan for increasing water supplies and achieving maximum basin reliability. OCWD first prepared this unique and aggressive GWMP in 1989 and updated the plan in 1990, 1994, 2004 and 20 OCWD?s GWMP is developed to comply with the requirements of the California Water Code, also referred to as Assembly Bill (AB) 3030; F. San Sevaine Ground Wate Recharge Basin, Inland Empire Utilities Agency (IEUA) ? project is included in IEUA?s Groundwater Management Plan called the Optimum Basin Management Program; Corona/Home Gardens Well Rehabilitation and Multi-Jurisdictional Water Transmission Line Project, City of Corona Department of Water & Power, Eligibility met throug City of Corona Department of Water & Power Groundwater management Plan; G. Enhanced Stormwater Capture and Recharge along the Santa Ana River, San Bernardino V Municipal Water District (SBVMWD), applicant adopted the Upper Santa Ana Watershed Integrated Regional Water Management Plan (IRWMP) which established Basi Management Objectives. The IRWMP also outlined a specific process for managing groundwater and established a Basin Technical Advisory Committee (BTAC) made up water agencies and other stakeholders to implement the IRWMP which includes developing a regional water management plan for each water year (Oct 1 ? Sep 30); L. 14th S Groundwater Recharge and Storm Water Quality Treatment Integration Facility, City of Upland Water Department ? - Project is consistent with and included in the Chino B Watermaster Recharge Master Plan and Optimum Basin Management Program; H. Vulcan Pit Flood Control and Aquifer Recharge Project, City of Fontana - Project is consi with and included in the Chino Basin Watermaster Recharge Master Plan and Optimum Basin Management Program; N. Francis Street Storm Drain and Ely Basin Flood Co and Aquifer Recharge Project, City of Ontario - Project is consistent with and included in the Chino Basin Watermaster Recharge Master Plan and Optimum Basin Managen Program; Q. Peters Canyon Channel Water Capture and Reuse Pipeline, City of Irvine - Project is consistent with the Orange County Water District Groundwater Managem Plan; R. Wilson III Basins Project and Wilson Basins/Spreading Grounds, City of Yucaipa - Project is consistent with the Upper Santa Ana Watershed Integrated Regional W Management Plan (IRWMP);

Q16. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain.

YES

Q17. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete attachment 13.

YES

Q18. ELIGIBILITY

If an update to the IRWM plan will take place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 13.

YES

Q19. ELIGIBILITY

List the agricultural water suppliers that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, please indicate so.

None

Q20. ELIGIBILITY

Have all of the agricultural water suppliers, listed in Q19 above, submitted complete Agricultural Water Management Plan to DWR? Have those plans been verified as complete by DWR? If the plan has not been submitted, please indicate the anticipated submittal date.
Answer "NA" if no agricultural water suppliers identified in Q19 above.

Not Applicable

Q21. ELIGIBILITY

List the surface water diverters that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, please indicate so.

Surface water diverters receiving funding are listed below: 1. Eastern Municipal Water District (EMWD), Contact: Bonnie Wright, Phone: (951) 928-3777 ext. 4323, Ema wrightb@emwd.org; 2. Inland Empire Utilities Agency (IEUA), Contact: Jason Gu, Phone: (909) 993-1636, Email: jgu@ieua.org; 3. San Bernardino Valley Water Conserva District (SBVWCD), Contact: Angie Quiroga, Phone: (909) 793-2503, Email: aquiroga@sbvwcd.org; 4. San Bernardino Valley Municipal Water District (SBVMWD), Con Bob Tincher, Phone: (909) 387-9215, Email: bobt@sbvmwd.com;

Q22. ELIGIBILITY

Have all of the surface water diverters, listed in Q21 above, submitted to the State Water Resources Control Board surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with §5100) of Division 2 of the CWC? If not, explain and provide the anticipated date for meeting the requirements.
Answer "NA" if no surface water diverters identified in Q21 above.

Yes, all of the surface water diverters, listed in Q21 above, have submitted to the State Water Resources Control Board surface water diversion reports in compliance witl requirements outlined in Part 5.1 (commencing with ?5100) of Division 2 of the CWC.

Q23. ELIGIBILITY

List the groundwater users that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, please indicate so.

Groundwater users receiving funding are listed below: 1. Eastern Municipal Water District (EMWD), Contact: Bonnie Wright, Phone: (951) 928-3777 ext. 4323, Email: wrightb@emwd.org; 2. San Bernardino Valley Water Conservation District (SBVWCD), Contact: Angie Quiroga, Phone: (909) 793-2503, Email: aquiroga@sbvwcd.org; Orange County Water District (OCWD) , Contact: Michael R. Markus, Phone: 95(714) 378-3305, Email: MMarkus@OCWD.com; 4. City of Corona Department of Water Power, Contact: Jacqueline Zukeran, Phone: 951-739-4983, Email: Jacqueline.zukeran@ci.corona.ca.us; 5. San Bernardino Valley Municipal Water District (SBVMWD), Co Bob Tincher, Phone: (909) 387-9215, Email: bobt@sbvmwd.com; 6. City of Upland Water Department, Contact: Rosemary Hoerning, Phone: (909)-291-2931, Email: rhoerning@ci.upland.ca.us; 7. Western Municipal Water District (WMWD) Contact: Pam Pavela, Phone: (951) 571-7236, Email: ppavela@wmwd.com; 8. City of Ontari Contact: Nabil Kassih, Phone: (909) 395-2117, Email: nkassih@ci.ontario.ca.us; 9. City of Riverside, Public Utilities ? Water Division. Contact: Todd Jorgenson, Interim Ass General Manager. Phone: (951) 351-6263, Email: tjorgenson@riversideca.gov;

Q24. ELIGIBILITY

Have all of the groundwater users, listed in Q23 above, met the requirements of DWR's CASGEM Program:
http://www.water.ca.gov/groundwater/casgem/ ? If not, explain and provide the anticipated date for meeting the requirements.
Answer "NA" if no groundwater users identified in Q23 above.

Yes, all groundwater users, listed in Q23 above, have met the requirements of DWR?s CASGEM Program, with the exception of the City of Ontario, who is anticipated t complete their requirements within the year.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload authorization and eligibility documentation here.This field is mandatory.

Last Uploaded Attachments: Att1_IG2_Eligible_1ofTotal1.pdf

Upload additional authorization and eligibility documentation here, if necessary.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL ADOPTION

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload adopted plan and proof of formal adoption documentation here.This field is mandatory.
Last Uploaded Attachments: Att2_IG2_Adopt_1ofTotal1.pdf

Upload additional adopted plan and proof of formal adoption documentation here, if necessary.

Upload additional adopted plan and proof of formal adoption documentation here, if necessary.

ATTACHMENT 3: WORK PLAN

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload work plan documentation here.This field is mandatory.
Last Uploaded Attachments: Att3_IG2_WorkPlan_1ofTotal1.pdf

Upload additional work plan components here, if necessary.

Upload additional work plan components here, if necessary.

Upload additional work plan components here, if necessary.

Upload additional work plan components here, if necessary.

ATTACHMENT 4: BUDGET

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload budget documentation here.This field is mandatory.
Last Uploaded Attachments: Att4_IG2_Budget_1ofTotal1.pdf

Upload additional budget components here, if necessary.

Upload additional budget components here, if necessary.

Upload additional budget components here, if necessary.

ATTACHMENT 5: SCHEDULE

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload schedule documentation here.This field is mandatory.
Last Uploaded Attachments: Att5_IG2_Schedule_1ofTotal1.pdf

Upload additional schedule components here, if necessary.

Upload additional schedule components here, if necessary.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload monitoring, assessment, and performance measures documentation here.This field is mandatory.

Last Uploaded Attachments: Att6_IG2_Measures_1ofTotal1.pdf

Upload additional monitoring, assessment, and performance measures here, if necessary.

Upload additional monitoring, asessment, and performance measures here, if necessary.

ATTACHMENT 7: TECHNICAL JUSTIFICATION OF PROJECT PHYSICAL BENEFITS

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload technical justification of project physical benefits documentation here.This field is mandatory.

Last Uploaded Attachments: Att7_IG2_TechJust_1ofTotal2.pdf,Att7_IG2_TechJust_2ofTotal2.pdf

Upload additional technical justification of project physical benefits here, if necessary.

Upload additional technical justification of project physical benefits here, if necessary.

Upload additional technical justification of project physical benefits here, if necessary.

ATTACHMENT 8: BENEFITS AND COST ANALYSIS

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload benefits and cost analysis documentation here.This field is mandatory.

Last Uploaded Attachments: Att8_IG2_BenCost_1ofTotal1.pdf

Upload additional benefits and cost analysis documentation here, if necessary.

Upload additional benefits and cost analysis documentation here, if necessary.

Upload additional benefits and cost analysis documentation here, if necessary.

ATTACHMENT 9: PROGRAM PREFERENCES

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload program preferences documentation here.This field is mandatory.
Last Uploaded Attachments: Att9_IG2_Preference_1ofTotal1.pdf

Upload additional program preferences documentation here, if necessary.

ATTACHMENT 10: DISADVANTAGED COMMUNITY ASSISTANCE

This attachment is required only if the proposal includes a project that specifically addresses a need of a DAC. Please refer to PSP for detail information.

If this attachment does not apply to your proposal, you MUST still upload a document that indicates this attachment is not applicable. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload disadvantaged community assistance documentation here.This field is mandatory.

Last Uploaded Attachments: Att10_IG2_DAC_1ofTotal1.pdf

Upload additional disadvantaged community assistance documentation here, if necessary.

Upload additional disadvantaged community assistance documentation here, if necessary.

ATTACHMENT 11: GWMP, AB 1420, AND WATER METER COMPLIANCE INFORMATION

If your proposal does not include 1) a groundwater project or a project that directly affects groundwater levels or quality, or 2) an urban water supplier who would receive grant funding, you MUST still upload a document that indicates this attachment is not applicable to your proposal. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload GWMP, AB1420, and water meter compliance documentation here.This field is mandatory.

Last Uploaded Attachments: Att11_IG2_SelfCert_1ofTotal1.pdf

Upload additional GWMP, AB1420, and water meter compliance information documentation here, if necessary.

Upload additional GWMP, AB1420, and water meter compliance information documentation here, if necessary.

Upload additional GWMP, AB1420, and water meter compliance information documentation here, if necessary.

Upload additional GWMP, AB1420, and water meter compliance information documentation here, if necessary.

ATTACHMENT 12. CONSENT FORM

This attachment is required only if the proposal is utilizing an IRWM Plan that was adopted on or before September 30, 2008. The Consent Form contained in Exhibit F of the PSP must be signed and submitted in hard copy. Please refer to PSP for more information.

If this attachment does not apply to your proposal, you MUST still upload a document that indicates this attachment is not applicable. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload the signed consent form here. This field is mandatory.

Last Uploaded Attachments: Att12_IG2_Consent_1ofTotal1.pdf

ATTACHMENT 13: IRWM PLAN - REDUCED DELTA WATER DEPENDENCE

This attachment is required only if the IRWM region receives water supplied from the Sacramento-San Joaquin Delta. Attachment 13 must summarize the portions of the plan that address how implementation of the IRWM Plan will help reduce dependence on the Sacramento-San Joaquin Delta for water supply, and include relevant plan excerpts to support the summary. Please refer to PSP for detail inforamtion.

If this attachment does not apply to your proposal, you MUST still upload a document that indicates this attachment is not applicable. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.

Ensure file name is consistent with Section V of the P84 Round 2 Implementation PSP.

Upload the summary of IRWM Plan here. This field is mandatory.

Last Uploaded Attachments: Att13_IG2_Delta_1ofTotal1.pdf