

Proposal Full View

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Applicant Information

Organization Name: Association of Bay Area Governments *

Tax ID: 942832478

Proposal Name: San Francisco Bay Regional Water Enhancement Program *

Proposal Objective: The proposal objective as determined by the Bay Area IRWM Coordinating Committee (CC) is to implement high priority projects and programs from the Bay Area IRWM Plan to meet the IRWM Plan Objectives on a regional basis, including contributing to economic, social and environmental sustainability, improved water supply reliability, protection and improvement of hydrologic function, protection and improvement of the quality of water resources, protection of public health and safety and property, and creation, protection, and enhancement of environmental resources and habitats. The nineteen high priority regional programs included in this Proposal will implement multiobjective improvements in all parts of the region. Together, these programs incorporate a wide range of water management elements, and address all of the regional objectives set forth in the Bay Area IRWM Plan. This Proposal will advance the regional goals and objectives of the Bay Area IRWM Plan and implement projects collectively identified as regional priorities by the Bay Area IRWM CC; contribute to sustainable water supply and reliability, address water quality issues, and promote integrated flood management in the Bay Area; identify and address critical water management needs of disadvantaged communities (DACs) in the Bay Area; support balanced implementation of the IRWM Plan and integration of projects within the region; and contribute towards implementation of Climate Change adaptation strategies. *

Budget

Other Contribution	\$3,751,800.00
Local Contribution	\$30,754,960.00
Federal Contribution	\$2,718,000.00
Inkind Contribution	\$125,000.00
Amount Requested	\$20,000,000.00 *
Total Project Cost	\$57,349,760.00 *

Geographic Information

Latitude *: DD(+/-) 37 MM 5 SS 2

Longitude *: DD(+/-) 122 MM 33 SS 36

Longitude/Latitude Clarification: Location San Francisco Bay Area

County: Sonoma, Napa, Contra Costa, Alameda, Santa Clara, San Mateo, San Francisco, Marin *

Ground Water Basin:

Hydrologic Region:

Watershed: San Francisco Bay

Legislative Information

Assembly District: 6th Assembly District, 7th Assembly District, 8th Assembly District, 11th Assembly District, 13th Assembly District, 15th Assembly District, 18th Assembly District, 21st Assembly District, 24th Assembly District *

Senate District: 2nd Senate District, 3rd Senate District, 5th Senate District, 7th Senate District, 9th Senate District, 10th Senate District, 11th Senate District *

US Congressional District: District 1 (CA), District 6 (CA), District 7 (CA), District 8 (CA), District 9 (CA), District 10 (CA), District 12 (CA), District 13 (CA), District 14 (CA), District 16 (CA) *

Project Information

Project Name	Project 16: San José Green Streets & Alleys Di
Implementing Organization	City of San Jose Municipal Water System
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	8/1/2016
Project Scope	This project will construct Low Impact Development (LID) improvements on urban streets and alleys in San Jose.
	The San José Green Streets & Alleys Demonstration Projects will demonstrate a range of approaches for retrofitting existing streets and alleys for stormwater treatment and flow reduction. A neighborhood collector street and an alley or alley segments will be retrofitted with bioretention rain gardens and permeable surfaces to reduce impervious surfaces, provide treatment and infiltration of runoff, calm traffic, and improve the streetscape for pedestrians and cyclists. The Green Street project will focus on Chynoweth Avenue in San José. The project involves the

Project Description	reconstruction of a residential street to eliminate excess lane width while constructing new bioretention areas on both sides of the street to treat runoff where no treatment exists. The project would treat at least 50,600 square feet of street area, including eliminating approximately 13,500 square feet of existing impervious pavement and a barren dirt median that currently contributes sediment to the storm drain system. The Green Alley project component will evaluate the feasibility of replacing existing surfaces and constructing underground infiltration features in three alley segments in the Spartan-Keys neighborhood (just south of downtown San José). The Martha Gardens Green Alley Pilot Project, located within the Spartan-Keys neighborhood, will be implemented as a demonstration project. This pilot project will replace at least 35,000 square feet of existing alley pavement with green concrete (high-recycled-content, lighter-colored concrete), and will install four-foot-wide porous pavers, an infiltration trench along the middle of the alley, and five drywells to capture excess water.
Project Objective	Goal 1 is to improve water quality by providing bioretention treatment and allowing infiltration of untreated street runoff to remove sediment and other pollutants of concern, thus reducing flow and pollutant loads to downstream water bodies. Goal 2 is to reduce the quantity of stormwater runoff by detaining, filtering, and infiltrating stormwater runoff from public streets.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Water Quality Improvement	0	See Attachments 7 and 8

Project Objective

Budget

Other Contribution	0
Local Contribution	666667
Federal Contribution	0
Inkind Contribution	0
Amount Requested	2000000
Total Project Cost	2666667

Geographic Information

Latitude DD(+/-)	37	MM	19	SS	16	
Longitude DD(+/-)	121	MM	53	SS	2	
Longitude/Latitude Clarification					Location	San Jose
County Santa Clara Ground Water Basin Hydrologic Region San Francisco Bay WaterShed						
Guadalupe River						

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 18: St. Helena Upper York Creek Dam
Implementing Organization	City of St. Helena
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	8/1/2016
Project Scope	This project will remove a fish passage barrier and restore the creek channel and riparian corridor to improve habitat.
	The Upper York Creek Dam and Reservoir (UYCD), also referred to as the Upper St. Helena Dam, is located approximately 1.5 miles upstream of the City of St. Helena on Spring Mountain Road. It was originally constructed in 1900 to supply water to the City of St. Helena and the local wine industry. The dam is no longer operated as a managed water-storage facility because doing so is not economical,

Project Description	and it is not large enough to provide downstream flood management benefits. The City of St. Helena plans to remove a sufficient portion of the dam to restore the natural channel profile and bankfull width, to remove accumulated sediments within the reservoir, and to restore approximately 825 feet of natural channel through the embankment and reservoir footprint. The project will: Restore steelhead passage to 1.7 miles of spawning and rearing habitat; Restore approximately 2 acres of riparian habitat; and Restore gravel yield from the watershed to the Napa River.
Project Objective	Goal 1 is to improve fish passage and habitat connectivity. Goal 2 is to reduce potential for future downstream habitat degradation and fish kills, indicated by removing the dam embankment. Goal 3 is habitat restoration, as indicated by access for steelhead and other aquatic organisms to 1.7 miles of stream channel in the upper watershed and 2 acres of restored riparian habitat with a diverse palette of multistory, native plants within the existing upper dam and reservoir area.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Riparian Habitat	2	riparian habitat restoration
Primary	Fisheries	0	Remove fish passage barrier

Project Objective

Budget

Other Contribution	0
Local Contribution	3819282
Federal Contribution	0
Inkind Contribution	0
Amount Requested	800000
Total Project Cost	4619282

Geographic Information

Latitude DD(+/-)	38	MM	30	SS	48
Longitude DD(+/-)	122	MM	30	SS	9
Longitude/Latitude Clarification				Location	St. Helena
County	Napa Ground Water Basin Hydrologic Region San Francisco Bay WaterShed York Creek				

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA),District 1 (CA),District 6 (CA)

Project Information

Project Name	Project 19: Students and Teachers Restoring a
Implementing Organization	PRBO Conservation Science
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	3/1/2018
Project Scope	STRAW restoration projects create riparian habitat in denuded and degraded watershed areas working with the community.
	STRAW implements professionally designed and installed habitat restoration projects, integrated with an innovative education program that provides water quality benefits, habitat improvement, and positive impacts on economic, social, and environmental sustainability. STRAW supports teachers from the North, East, and West Bay Area IRWMP regions in conducting project-based environmental education curriculum. Within these regions, STRAW coordinates a network of teachers, students, restoration specialists, landowners and managers, and other community members to plan and implement watershed studies and restoration projects. Grant funding will support STRAW's efforts as follows: -Student-centered restorations to protect and restore the health of riparian and wetland ecosystems in

Project Description	Alameda, Contra Costa, Marin, Napa, San Francisco, Solano, and Sonoma counties. Some students will participate in projects within their county and community, while others will participate in regional Bay Area projects. Restoration activities include invasive plant removal, native plant revegetation, stream bank stabilization, and erosion control projects. -Intensive and sustained classroom support for teachers, with the goal of promoting environmental stewardship through hands-on restoration and field investigations of local watersheds, including a professional development program for teachers. -Integrated program of environmental science to increase and improve the environmental knowledge, skills, attitudes, and behavior of students who participate in the STRAW program. -Collaboration between agency, nonprofit partners, and STRAW students and teachers, working within riparian and wetland areas to study their ecological function, human impacts upon them, and the potential for restoration. PRBO will conduct a minimum of twenty (20) planting days with communities from the counties listed above.
Project Objective	Goal 1 is to protect and restore the health of riparian and wetland ecosystems in the San Francisco Bay Area. Goal 2 is to improve the environmental knowledge, skills, and attitudes of community members who participate in the STRAW program.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Riparian Habitat	17	Total restored riparian habitat

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="0"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="125000"/>
Amount Requested	<input type="text" value="500000"/>
Total Project Cost	<input type="text" value="625000"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Ground Water Basin Hydrologic Region WaterShed

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	<input type="text" value="Project 7: Oakland Sausal Creek Restoration P"/>
Implementing Organization	<input type="text" value="City of Oakland"/>
Secondary Implementing Organization	<input type="text"/>
Proposed Start Date	<input type="text" value="10/1/2013"/>
Proposed End Date	<input type="text" value="4/1/2016"/>
Project Scope	This project involves restoration of 754 linear feet of Sausal Creek, including 180 feet of culvert daylighting.
	The Oakland Sausal Creek Restoration Project will occur on a 745 linear-foot stretch of the creek that runs through Dimond Park in Oakland, California. The project includes the removal of 180 linear-feet of buried creek culvert and 75 linear-feet of concrete spillway. The current culvert and concrete spillway create a barrier for fish passage as well as erosion problems. The project will recreate a natural creek meander with pools and riffles, restore native vegetation and create 47,000 square feet of new habitat, stabilize creek banks, improve sight lines to the creek from

Project Description	Dimond Park, create an ADA-accessible walking path adjacent to the creek with interpretive features to raise awareness of the creek, reduce erosion and downstream sedimentation, create educational and recreational opportunities, and improve flood capacity, water quality, and fish habitat. During construction, the site will be dewatered, and the current population of native trout that reside in this stretch of creek will be moved to habitable pools upstream by a certified fish biologist. Construction will include the removal of approximately 70 existing trees—including 21 redwoods—in order to make room for the grading of the creek banks. The banks will be stabilized with toe rock, rock slope protection, and bioengineering methods. They will also be revegetated with a diverse native plant palette that includes 79 trees in 5 to 15 gallon containers, 795 shrubs, and approximately 2,000 herbaceous perennials.
Project Objective	The project will address issues of erosion, water quality, flood capacity, and ecosystem restoration by stabilizing channel configuration, reducing stream velocities, improving flood capacity, and improving native rainbow trout habitat.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Riparian Habitat	1.08	Restored creek riparian habitat
Primary	Stormwater Flood-Water Quality Improvement	0	see attachment 8

Project Objective

Budget

Other Contribution	1451800
Local Contribution	924700
Federal Contribution	0
Inkind Contribution	0
Amount Requested	500000
Total Project Cost	2876500

Geographic Information

Latitude DD(+/-)	37	MM 47	SS 53
Longitude DD(+/-)	122	MM 13	SS 11
Longitude/Latitude Clarification		Location	Oakland
County Alameda Ground Water Basin Hydrologic Region San Francisco Bay WaterShed Sausal Creek			

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 2: East Bayshore Recycled Water Proj
Implementing Organization	East Bay Municipal Utility District
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	6/30/2015
Project Scope	The Phase 1A (Emeryville) project will extend a recycled water pipeline 5,100 ft to users located in the Emeryville area.
	The East Bayshore Recycled Water Project (EBRWP) will ultimately provide up to 2.5 million gallons/day (mgd) or 2,800 acre-feet/year (AFY) of recycled water to customers within the Cities of Alameda, Albany, Berkeley, Emeryville, and Oakland. The proposed project (Phase 1A Emeryville) is part of the EBRWP. This project will extend the 12-inch recycled water transmission pipeline constructed in 2012 by about 5,100 feet to the north in Emeryville. The extended recycled water pipeline will provide new customers in Emeryville with recycled water deliveries of

Project Description	0.04mgd or 50 AFY. Once the remainder of the EBRWP Phase 1A recycled water transmission pipeline is completed through Berkeley and Albany, the total estimated recycled water demand is estimated to be 0.32 MGD or 360 AFY. The Phase 1A (Emeryville) pipeline will extend from the Bay Street Shopping Center on Shellmound Street, north along Christie Avenue to 65th Street at the northern border of Emeryville. The pipeline will be constructed within existing utility right-of-way parallel to or beneath existing roadways. A traffic plan would be implemented to reduce effects on traffic during the construction period.
Project Objective	The East Bayshore Recycled Water Project (EBRWP) will ultimately provide up to 2.5 mgd (2,800 AFY) of tertiary treated recycled water to customers within the Cities of Alameda, Albany, Berkeley, Emeryville, and Oakland. In October 2012, EBMUD completed a segment of the East Bayshore recycled water transmission pipeline with support from DWR's Proposition 84, Round 1 Implementation Grant. The next phase of the EBRWP project (Phase 1A Emeryville) will extend the recycled water pipeline.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling-Water Supply Enhancement	50	Potable Demand Offset

Project Objective

Budget

Other Contribution	0
Local Contribution	1041712
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1000000
Total Project Cost	2041712

Geographic Information

Latitude DD(+/-)	37	MM	51	SS	7
Longitude DD(+/-)	122	MM	17	SS	28
Longitude/Latitude Clarification				Location	San Francisco Bay Area
County Alameda Ground Water Basin Hydrologic Region San Francisco Bay WaterShed San Francisco Bay					

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 5: Napa Milliken Creek Flood Damage
Implementing Organization	Napa County
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	12/31/2015
Project Scope	This project involves removal of a dam, restoration of the stream, construction of a flood bypass/weir, and minor grading.
	The Napa Milliken Creek Flood Damage Reduction and Fish Passage Barrier Removal project involves three integrated elements: 1) removal of the dam and restoration of the stream, 2) construction of a flood bypass/weir to ensure a flood detention area does not overflow into neighboring homes, and 3) minor leveling and grading improvements to ensure existing adjacent, low-lying properties receive a level of protection comparable to neighboring properties. The entire project will be constructed on private land. In recent years, high flows in the golf course detention area (the project site) have led to flooding of homes as well as street flooding. As compared to existing conditions, 45 houses would be protected from flooding in a

Project Description	100-year storm, 20 houses would be protected from flooding in a 50-year storm, and 12 houses would be protected from flooding in a 25-year storm as a result of implementing project elements 1 and 2. During detailed design, minor grading improvements (project element 3) will be designed to further flood management and provide additional benefits beyond those that have been calculated to date for the post-project condition using the hydraulic model. The purpose of these additional grading improvements is to ensure floodwaters are contained within the golf course detention area. The amount of riparian area that will be restored and enhanced under this project is approximately 0.52 acres, which is also the maximum footprint of riparian and in-stream work involved in dam removal, element 1. There will be a net gain of habitat in-stream where the dam will be completely removed. Approximately 300 cubic yards of dam/fill materials will be removed from the channel. The additional post-project length of stream channel/spawning/rear grounds that will be made available year round to anadromous fish above the dam is 2.56 stream miles, or 13,541 linear feet. The bypass/weir, is designed to prevent floodwater from damaging neighboring residential homes.
Project Objective	An in-stream impoundment dam along Milliken Creek contributes to flooding in a local neighborhood of over 50 homes. Additionally, the dam is considered a fish passage barrier to upstream migrating steelhead salmon. This project is needed to reduce the flood hazard and remove a fish passage barrier.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	0	Project 45 homes from 100-year storm
Primary	Ecosystem: Riparian Habitat	0.52	restoration of riparian and salmonid habitat

Project Objective

Budget

Other Contribution	0
Local Contribution	918540
Federal Contribution	0
Inkind Contribution	0
Amount Requested	500000
Total Project Cost	1418540

Geographic Information

Latitude DD(+/-)	38	MM	20	SS	47
Longitude DD(+/-)	122	MM	15	SS	47
Longitude/Latitude Clarification				Location	San Francisco Bay Area
County Napa Ground Water Basin Hydrologic Region San Francisco Bay WaterShed	Napa River				

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 6 (CA),District 7 (CA),District 1 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 9: Petaluma Flood Reduction, Water & Habit
Implementing Organization	City of Petaluma
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	1/1/2015
Project Scope	This project will address over-bank flow and base flood elevation reduction and associated impacts to residential houses.
	The project consists of defined site treatments for over 1,400 lineal feet of creek, over 3,200 lineal feet of creek frontage along upland areas, linked to upper sections of Capri Creek that exist in a more natural corridor within an urban setting,

Project Description	<p>including a section through the Santa Rosa Junior College Campus (second photo below) and downstream across North McDowell Boulevard as it flows to the Petaluma River. This site was selected for the potential to significantly reduce existing flooding in the surrounding neighborhood including a mobile home park, which provides affordable housing. This is the fourth City-managed project in an incremental flood reduction effort, incorporating policies and programs from multiple planning documents and studies. The project involves construction of flood terraces and channel reconfiguration to address flooding and water quality issues, increase groundwater recharge; improve upland and riparian habitat; increase recreational and public education opportunities; and sequester carbon in improved riparian and upland habitats. Approximately 11,000 cubic yards of excess cut will be removed from the site, the remodeled flood terrace, and the upper banks of the existing low flow channel; and new banks of the wider flood terrace, containing approximately five acres, will be planted with a combination of native grasses and mid- and tall-canopy trees. Clusters of native shrubs will be provided, where deemed appropriate, in relationship to the trail, benches, and educational kiosks. The majority of recreational activity will be passive in nature, including walking along the restored creek corridor; bird watching; informal group activity such as picnics, educational field trips from local schools. The Capri Creek recontour treatment will also provide for stewardship through education and outreach into neighboring residential areas.</p>
Project Objective	<p>The goals of the project are to achieve flood reduction, habitat enhancement, groundwater recharge opportunities (limited), expand recreational and educational amenities, and water quality improvements. The project will include the design and construction of a reconfigured channel section, flood terraces, and trails to connect to existing pathways and will reduce flood elevations, provide water quality improvements, increased groundwater recharge opportunity, and riparian habitat enhancement.</p>

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	0	See Attachment 8

Project Objective

Budget

Other Contribution	0
Local Contribution	275010
Federal Contribution	0
Inkind Contribution	0
Amount Requested	825000
Total Project Cost	1100010

Geographic Information

Latitude DD(+/-)	38	MM 15	SS 41
Longitude DD(+/-)	122	MM 38	SS 33
Longitude/Latitude Clarification		Location	Petaluma
County Sonoma Ground Water Basin Hydrologic Region San Francisco Bay WaterShed			
Petaluma River			

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,18th Assembly District,13th Assembly District,15th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 10: Redwood City Bayfront Canal and Atherton Ch		
Implementing Organization	City of Redwood City		
Secondary Implementing Organization			
Proposed Start Date	10/1/2013		
Proposed End Date	12/31/2015		
	This project will mitigate chronic flooding in Redwood City and Menlo Park and		

Project Scope	enhance salt water pond and marsh habitat
Project Description	<p>The Project proposes to alleviate local flooding by routing flood flows from the Bayfront Canal and Atherton Channel into managed ponds that are part of the Ravenswood Pond Complex portion of the South Bay Salt Ponds Restoration Project, which are also still in the planning and permitting phase of project development. Components of the proposed project include: -Installation of two concrete box culverts connecting Bayfront Canal to Pond S5. -Construction of a later weir structure on Bayfront Canal, which will include an operational gate for preventing the first-flush flows from Bayfront Canal from entering the Ravenswood Pond Complex. -Construction of box culvert headwall inlet and outlet structures. -Modification of the existing Cargill ditch for improved flow conveyance to connect the Bayfront Canal lateral weir to the box culvert headwall at Marsh Road. -Modifications to the Pond S5 forebay: excavation/deepening of this smaller portion of Pond S5 immediately adjacent to Flood Slough Flood flows from the Bayfront Canal will bypass the Flood Slough tide gate and will be routed into Ponds R5 and S5 of the Ravenswood Pond Complex. A lateral weir structure will be constructed in Bayfront Canal upstream of the existing Flood Slough tide gates. This lateral weir structure will connect to an existing Cargill ditch adjacent to Bayfront Canal; the ditch will be excavated to increase the flow capacity. The open channel will convey flows to the box culvert headwall at Marsh Road, which are connected to Pond S5. Once constructed, the Bayfront Canal/Atherton Channel Flood Improvement Project will support habitat improvements locally within Ponds R5 and S5, and the larger South Bay Salt Ponds Restoration Project. Redirected stormwater flows as a result of the proposed project will enable the development of seasonal freshwater wetlands habitat and support the restoration goals of the South Bay Salt Ponds Restoration Project</p>
Project Objective	<p>Goal 1 is to mitigate chronic and widespread flooding in the Bayfront Canal and Atherton Channel neighborhoods and prevent 250 homes from being flooded. Goal 2 is to reduce contaminants from urban runoff to the Bay by detaining and treating the stormwater in ponds. Goal 3 is to restore salt water marsh ponds by providing a source of water to enhance and restore the pond habitat. Goal 4 is to restore salt marsh habitat for endangered tidal marsh species.</p>
Project Benefits Information	

Project Objective

Budget

Other Contribution	0
Local Contribution	3089840
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1135000
Total Project Cost	4224840

Geographic Information

Latitude DD(+/-)	37	MM 29	SS 13
Longitude DD(+/-)	122	MM 10	SS 42
Longitude/Latitude Clarification		Location	Redwood City
County San Mateo Ground Water Basin Hydrologic Region San Francisco Bay WaterShed			
Bayfront Canal			

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 13: Roseview Heights Infrastructure Upgrades for W
Implementing Organization	Roseview Heights Mutual Water Company
Secondary Implementing Organization	
Proposed Start Date	10/1/2013

Proposed End Date	5/1/2015
Project Scope	This project will improve water supply, water quality, and fire suppression capability by upgrading an aging water system.
Project Description	The Roseview Heights Infrastructure Upgrades for Water Supply and Quality Improvement Project involves replacing two aging redwood water tanks (a 70,000 gallon tank and a 10,000 gallon tank) with two bolted steel tanks (165,000 gallons and 50,000 gallons, respectively). The project also includes replacement of a 2.5" galvanized water line with 8" High-density polyethylene (HDPE) water main and installation of an additional fire hydrant. The project will allow either tank to be taken offline for maintenance, while allowing for uninterrupted water supply delivery. The project includes multiple construction phases in order to maintain water supply and fire suppression capability during construction. The order of construction will be to: 1) Install temporary water storage tanks at the Crothers Road tank site, 2) add the new water main, 3) replace the Crothers Road tank, and 4) replace the Bon Vista Court tank. All construction activities will be completed in 2014. By eliminating the leaks associated with the old redwood tanks, the project will result in approximately 25% water savings throughout the entire system, an annual savings of close to 3 million gallons/year. Energy savings will also be realized, as 25% less water will have to be pumped. Fire suppression capability will be enhanced with the increase in available stored water, increase in water main size from 2.5" to 8" for fire flow, and the added fire hydrant. Additionally, smaller quantities of treatment chemicals will be required to store and distribute water supplies compared to existing conditions. Water quality will improve due to less debris in the water, and chlorine residuals will be easier to maintain at the furthest ends of the water system with the replacement of the redwood water tanks.
Project Objective	Goal 1 is to improve water supply reliability by replacing the redwood water tanks. The source water meter will be compared with customer water meters. Goal 2 is to protect public health by providing cleaner, safer, and more reliable water.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Surface-Water Supply Enhancement	0	See Attachments 7 and 8

Project Objective

Budget

Other Contribution	0
Local Contribution	625500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	500000
Total Project Cost	1125500

Geographic Information

Latitude DD(+/-) MM 21

Longitude DD(+/-) MM 48

Longitude/Latitude Clarification Location

County Santa Clara Ground Water Basin Hydrologic Region San Francisco Bay WaterShed
Coyote Creek

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 14: SF Bay Climate Change Pilot Projects Combining Ecos
Implementing Organization	Association of Bay Area Governments
Secondary Implementing Organization	Oro Loma Sanitary District
Proposed Start Date	10/1/2013

Proposed End Date	12/31/2017
Project Scope	This demonstration project will redesign an existing wastewater treatment operations to integrate natural ecosystem processes
Project Description	The proposed ecotone slope at the Oro Loma Sanitation District's Water Pollution Control Facility in San Lorenzo, CA will be the first Bay Area project to replicate an engineered equivalent of moist grassland / bayland ecotone of broad, flat alluvial fans that were historically graded into the tidal marshes of most of South San Francisco Bay. This demonstration project will inform a regional strategy to assist publicly owned treatment works and populations around the Bay to recognize benefits of climate change adaptation strategies and implement large-scale ecotone slope projects around San Francisco Bay. A key outcome of this project is to analyze the outcomes and develop strategies and plans for additional climate change related wastewater pilot projects at the Union Sanitary District in Union City, the Novato Sanitary District in Novato, and/or at other treatment facility retrofits to support wetlands accretion. The project will also incorporate a dual use - average flow wetland and a peak flow storage pond. These features will restore a historical moist grassland/baylands ecotone, while treating reclaimed wastewater from equalization facilities and increasing resilience to sea level rise. The project will include: - Construction of an 8 million gallon wet weather equalization facility. -Construction of 700 feet of seepage ecotone slope. -Creation of 2.4 acres of rare native moist grassland/baylands ecotone. -Establishment of a diverse palette of native plants, mixing with more salt-tolerant species near the upper tidal edges. -Development, implementation and analysis of a robust monitoring program. -Development of design guidelines and implementation recommendations. -Publication and dissemination of a Final Report on the demonstration project. -Publication of the results of outreach to POTWs and interested parties.
Project Objective	Key goals of this project include: -Develop a facility to provide peak flow equalization -Restore bayland ecosystems -Improve water quality by polishing waste water effluent -Promote economic, social, and environmental

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Shallow Water/ Marsh/ Wetland Habitat	10	Grassland and bay marsh habitat restoration
Primary	Sediment Removal-Water Quality Improvement	0	See Attachments 7 and 8

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="3265125"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="2100000"/>
Total Project Cost	<input type="text" value="5365125"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Alameda Ground Water Basin Hydrologic Region San Francisco Bay WaterShed

San Lorenzo Creek

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	<input type="text" value="Project 17: San Pablo Rheem Creek Wetlands"/>
Implementing Organization	<input type="text" value="Contra Costa Water District"/>

Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	12/31/2017
Project Scope	This project will create seasonal wetlands on a ten-acre parcel adjacent to Rheem Creek, Bruener Marsh in Richmond, CA.
Project Description	<p>The SanPablo-Rheem Creek Wetlands Restoration Project (Project) will create seasonal wetlands on a 10-acre parcel in the Richmond and San Pablo area near San Pablo Bay. The project site is adjacent to Rheem Creek and the EBRPD's Breuner Marsh Project, near the cities of San Pablo and Richmond. The project concept is to establish/create up to 4.8 acres of seasonal wetlands adjacent to Rheem Creek. The Project will provide indirect improvements to stormwater quality when Rheem Creek overtops its banks, and should also provide indirect benefits by minimizing potential stormwater and flood impacts from Rheem Creek in upstream neighborhoods in San Pablo and Richmond. This portion of San Pablo is classified as a DAC. The project should improve upstream flood protection in San Pablo by increasing the available flood plain downstream at the Rheem Creek project site. A portion of the established/created wetlands at the San Pablo-Rheem Creek Wetland Restoration site will serve as mitigation for impacts from the CCWD's SCPL to satisfy mitigation requirements issued by the SF USACE and the SFB RWQCB. The SCPL is located in the city of Martinez and provides water supply to Martinez, as well as to the Shell and Tesoro oil refineries. If the Project is not implemented, it is likely that the site will be developed by the existing property owner, who has obtained all local, state, and federal permits to implement a commercial development project. Once the site is commercially developed, it will no longer be possible to restore it as wetlands.</p>
Project Objective	Project goals are to establish and create seasonal wetland habiat, which will provide water quality and flood benefits.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Shallow Water/ Marsh/ Wetland Habitat	10	seasonal wetland and upland habitat restoration

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="1000018"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="750000"/>
Total Project Cost	<input type="text" value="1750018"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Contra Costa Ground Water Basin Hydrologic Region San Francisco Bay WaterShed Rheem Creek

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 3: Lagunitas Creek Watershed Sedimer
Implementing Organization	Marin Municipal Water District
Secondary Implementing Organization	
Proposed Start Date	10/1/2013

Proposed End Date	10/31/2016
Project Scope	The stream crossing improvements involve replacing failing and undersized culverts with larger culverts or arch culverts.
Project Description	This project will implement improvements to three stream crossings of the Cross Marin Trail, which runs parallel to Lagunitas Creek and which crosses tributaries to it. The three sites are identified as: -Big Bend (Site #100); -Jewell Creek (Sites #'s 111 & 112); and -Eucalyptus (Site #115). The stream crossing improvements involve replacing old, failing, and undersized culverts with larger culverts or arch culverts. The new culverts will all be sized for the 100-year storm event. The Big Bend site is on State Parks land and the Jewell Creek and Eucalyptus sites are on National Park Service (NPS) land. MMWD operates and maintains the Nicasio Transmission Line (NTL), a major water supply transmission pipeline that runs under the Cross Marin Trail, along its entire length. The project improvements will reduce erosion and sediment inputs to the Lagunitas Creek watershed, secure the NTL, stabilize the Cross Marin recreational trail, and improve fish passage for salmonids. Construction will entail excavating the fill at each crossing and removing the old culverts. The NTL will have to be drained and a section of the pipeline through the crossing will be extracted. The new culverts will then be installed. A new section of the NTL will be fitted and attached to the pipeline. The pipeline will be tested and reactivated. The crossing will then be back-filled and stabilized. The surface of the Cross Marin Trail will be re-paved or resurfaced and hardened. The face slopes of the crossings will be revegetated. The work will be conducted collaboratively with the NPS and California State Parks. Public outreach, especially with recreational user groups, will be a featured part of the project since the Cross Marin Trail will have to be closed during construction.
Project Objective	The purpose and need of the project is five-fold, to: 1) reduce sediment loading into Lagunitas Creek; 2) stabilize and secure a major water supply transmission line; 3) reestablish and stabilize an important recreational trail; 4) improve passage for salmonids into small tributaries to Lagunitas Creek, and 5) provide winter refuge habitat for salmonids.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Restoration	0	Reduce Sediment Loading
Primary	Fisheries	200	Increased fish population

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="240000"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="720000"/>
Total Project Cost	<input type="text" value="960000"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="38"/>	MM	<input type="text" value="0"/>	SS	<input type="text" value="4"/>
Longitude DD(+/-)	<input type="text" value="122"/>	MM	<input type="text" value="42"/>	SS	<input type="text" value="4"/>
Longitude/Latitude Clarification	<input type="text"/>	Location	<input type="text" value="San Francisco Bay Area"/>		
County Marin Ground Water Basin Hydrologic Region San Francisco Bay WaterShed					
San Francisco Bay <input type="text"/>					

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	<input type="text" value="Project 1: Bay Area Regional Water Conservati"/>
Implementing Organization	<input type="text" value="Zone 7 Water Agency"/>
	<input type="text" value="ACWD, BAWSA, CCWD, City of Napa, EBMUD, SSCRC, SFPUC, SCVWD"/>

Secondary Implementing Organization	Solano CWA, Sonoma CWA, Bay-Friendly
Proposed Start Date	10/1/2013
Proposed End Date	12/31/2017
Project Scope	This Program will be implemented by 12 participating agencies in the Bay Area to reduce potable water demand.
Project Description	This Program will expand and strengthen the region's existing water conservation education and consumer incentive program and build on regional water conservation initiatives. The Program includes a suite of program elements that promote high-efficiency technologies, and best water conservation practices to improve indoor and outdoor water use efficiency throughout the San Francisco Bay Area. The specific program elements that will provide quantifiable and sustainable water savings include: 1) High-Efficiency Toilet Rebates, 2) High-Efficiency Washer Rebates, 3) Water-Efficient Sustainable Landscape Education Program, 4) Water-Efficient Landscape and Weather-Based Irrigation Controller Rebate, 5) Large Landscape Irrigation System Program, 6) Home Water Report; and 7) Water Conservation and Mobile Water Lab Project. Combined, these program elements target significant indoor and outdoor end uses of water in residential, commercial, institutional and agricultural sectors and meet State water conservation requirements.
Project Objective	The Program goal is to reduce potable water demand by approximately 298 acre-feet (AF) annually and between 8,940 AF over the life of the Program through the implementation of water-efficiency incentives, educational, and outreach programs. By reducing demand through conservation, Bay Area agencies can optimize use of existing supplies, and reduce the need for development of new supplies, as well as reduce existing demands on the Delta.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	298	Reduce Potable Water Demand

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="2558168"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="2700000"/>
Total Project Cost	<input type="text" value="5258168"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	<input type="text" value="Project 4: Marin/Sonoma Conserving Our Water"/>
Implementing Organization	<input type="text" value="Marin Resource Conservation District"/>
Secondary Implementing Organization	<input type="text"/>
Proposed Start Date	<input type="text" value="10/1/2013"/>
Proposed End Date	<input type="text" value="12/31/2016"/>

Project Scope	Main/Sonoma Conserving Our Watersheds Project will implement critical environmental BMPs on agricultural lands.
Project Description	The Marin RCD will collaborate with local ranchers, Southern Sonoma County RCD, Marin Agricultural Land Trust, the University of California Cooperative Extension Service (UCCE) and USDA Natural Resources Conservation Service (NRCS) to implement local and regional watershed projects according to existing plans. We will build upon our demonstrated experience on grazing lands and water quality research to implement a three-year program to improve water quality within the Tomales Bay, San Antonio, and Novato Creek watersheds. Fifteen treatment sites will be evaluated by a technical advisory committee and implemented, representing 20 environmental Best Management Practices (BMPs), on agricultural lands in Marin and Sonoma counties through the Conserving Our Watersheds (COW) Program. The program goal will be implemented by providing ranchers with: 1) ranch/project planning and permitting assistance; 2) technical/engineering expertise; 3) construction contractors; and 4) maintenance and monitoring assistance. Any combination of the following seventeen types of NRCS conservation and restoration practices will be evaluated and recommended by the technical advisory committee for grazing lands, including access road improvements, animal trails & walkways, critical area plantings, filter strips, fish stream improvements, grade stabilization structures, grassed waterways, lined waterways, pipelines, sediment basins, spring developments, stream channel stabilization, structures for water control, underground outlets and water & sediment basins. One of the fifteen projects will include riparian fencing to restrict cattle from sensitive riparian areas (BMP #382). Water developments (water tank, trough, pipeline) will be constructed to provide cattle with an alternate water source (BMP #614). Enclosures will be planted with native riparian plant species and monitored for a period of 10 years following the Marin RCD Riparian Zone Monitoring Plan (BMP #342).
Project Objective	The project area targets: 1) watersheds identified by the USFWS Recovery Plan for the CA Freshwater Shrimp, 2) watersheds identified by the DFG Implementation Schedule for the CA Central Coast for salmon and steelhead, and 3) areas of sensitive Critical Habitat for the CA red-legged frog. The Tomales Bay, San Antonio, and Novato creek watersheds have experienced a reduction in the quality and quantity of in-stream habitat and water supplies due to increased habitat fragmentation, sedimentation

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Restoration	75	Sediment Reduction
Primary	Ecosystem: Agricultural Lands-Other	75	Riparian habitat on agricultural lands
Primary	Other	0	Increased Grazing Productivity

Project Objective

Budget

Other Contribution	<input type="text" value="200000"/>
Local Contribution	<input type="text" value="20000"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="600000"/>
Total Project Cost	<input type="text" value="820000"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Sonoma, Marin Ground Water Basin Hydrologic Region San Francisco Bay WaterShed

San Francisco Bay

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16

(CA)

Project Information

Project Name		Project 8: Pescadero Water Supply and Sustain	
Implementing Organization		County of San Mateo	
Secondary Implementing Organization		County Service Area 11 (CSA 11)	
Proposed Start Date		10/1/2013	
Proposed End Date		4/1/2015	
Project Scope		This project will construct a new municipal groundwater well and storage tank for the Town of Pescadero DAC.	
Project Description		<p>The County proposes to construct a new municipal water well and storage tank to provide adequate water supply, emergency response, water reliability, and some groundwater improvement for the CSA 11 Water System, which serves approximately 100 households within the Town of Pescadero. Pescadero is a DAC. The new well and storage tank will be installed on a parcel currently owned by the County, located approximately one mile west of the Town of Pescadero, in unincorporated San Mateo County, California. The parcel is previously disturbed and is the site of the existing two wells and water storage tank. The project would provide a well that accesses a deeper portion of the groundwater aquifer, without increasing the amount of groundwater extracted. A new 150 gpm capacity well and pump will be installed. The installation of the new well would consist of an approximately 30-inch diameter borehole drilled to a depth of 100 feet below mean sea level to intercept a deeper portion of the Pigeon Point Formation aquifer. Upon completion of the well installation, pumping tests would be conducted to determine appropriate pumping rates and target efficiency. The new well pump and associated monitoring equipment would be contained within a small pump house located over or immediately adjacent to the well head. Existing electrical lines located at the storage tanks will be used to provide power to operate the new pump. A new 140,000 gallon storage tank will be installed adjacent to an existing storage tank. The tank will consist of a bolted steel or welded steel round configuration similar to the existing tank. The tank will provide the necessary storage and redundancy for emergency situations. New water pipelines will be installed to connect the new well to the existing chlorine building and to connect the new tank to the existing water supply lines. The pipelines will be 6-inch PVC pipe. In addition, the County will use grant funding to initiate a water conservation progra</p>	
Project Objective		<p>To provide a sustainable water supply system for CSA 11, a new municipal water well and a new water storage tank need to be installed. These facilities would extend the life of CSA 11's water supply for at least the next 50 years and provide a reliable water supply in the event of an emergency. Without this project, the current water supply system will likely become inadequate by 2020. Additionally, a water conservation program is needed to reduce water demand and support a sustainable supply.</p>	

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Groundwater-Water Supply Enhancement	0	See Attachment 8

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="125000"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="700000"/>
Total Project Cost	<input type="text" value="825000"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="37"/>	MM <input type="text" value="14"/>	SS <input type="text" value="46"/>
Longitude DD(+/-)	<input type="text" value="122"/>	MM <input type="text" value="23"/>	SS <input type="text" value="58"/>
Longitude/Latitude Clarification	<input type="text"/>	Location	<input type="text" value="Pescadero"/>
County San Mateo Ground Water Basin Hydrologic Region San Francisco Bay WaterShed			
Butano Creek/Pescadero Creek <input type="text"/>			

Legislative Information

6th Assembly District, 7th Assembly District, 8th Assembly District, 11th Assembly

Assembly District	District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name		Project 6: North Bay Water Reuse Program – E	
Implementing Organization	Sonoma Valley County Sanitation District		
Secondary Implementing Organization			
Proposed Start Date	10/1/2013		
Proposed End Date	7/31/2016		
Project Scope	This project involves extension of existing recycled pipelines to deliver recycled water to properties in Sonoma Valley.		
Project Description	<p>The SVCSD 5th Street East/McGill Road Recycled Water Project, Phase 2 of the SVRW, involves extending existing recycled water pipelines from the Wautmaugh Recycled Water pipeline to serve additional properties. Phase 2 will be implemented in two sub-projects: -The 5th Street East Recycled Water Project will construct approximately 6,920 linear feet of new 10-inch diameter and 1,800 linear feet of new 6-inch diameter recycled water pipeline to connect to an existing 18-inch diameter recycled water pipeline on Watmaugh Road. As shown in the project location map, this pipeline will continue on Watmaugh Road, turn on to 5th Street East, and then turn on to Denmark Street, terminating at Sonoma Valley High School in the City of Sonoma, CA. The pipeline will provide recycled water to replace the current potable water used for landscape irrigation and irrigation of athletic fields and possibly to agricultural properties adjacent to the new pipeline at a later date. The 5th Street East Recycled Water Project will offset approximately 50 to 60 acre-feet of potable water annually. -The McGill Recycled Water Project will construct approximately 700 linear feet of new 8-inch diameter recycled water pipeline to connect to an existing 18-inch diameter recycled water pipeline. As shown in the project location map, this project will be installed along McGill Road in an unincorporated portion of Sonoma County, just outside the City of Sonoma, and cross under Highway 12. The pipeline will serve recycled water to agricultural properties on the east side of Highway 12. The McGill Road Recycled Water Project will supply over 150 AFY of recycled water for agricultural users.</p>		
Project Objective	<p>Benefits specific to the project include: -Offset potable water currently used for landscape irrigation, -Offset groundwater pumping and surface water diversion used for agricultural purposes, -Reduced reliance on surface and groundwater supplies, - Reduced treated effluent releases to North San Pablo Bay, -Improved in-stream flows for riparian and fisheries recovery, and -Reduced need for additional large pumping facilities to import water to meet local needs.</p>		

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling-Water Supply Enhancement	50	Reduced Potable Demand
Primary	Other	0	Reduced Fertilizer Use

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="1540490"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="1020000"/>
Total Project Cost	<input type="text" value="2560490"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Ground Water Basin Hydrologic Region WaterShed

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name

Implementing Organization	San Francisco Public Utilities Commission
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	7/1/2015
Project Scope	This is a regional conjunctive use project involving construction of 5 groundwater wells to use during drought conditions.
Project Description	The San Francisco Public Utilities Commission (SFPUC), in partnership with the cities of Daly City and San Bruno and the California Water Service Company (Cal Water), are developing a regional conjunctive use project in the South Westside Groundwater Basin. The proposed Regional Groundwater Storage and Recovery (GSR) Project is part of SFPUC's Water System Improvement Program (WSIP), with the goal of developing a local groundwater supply for use during drought conditions. In normal and wet years, the SFPUC will supply supplemental surface water to Daly City, San Bruno, and Cal Water to be used in place of groundwater pumping. Reduced pumping during normal and wet years will increase the volume of groundwater in storage that can be pumped out in dry years. Groundwater storage and pumping will be overseen by an Operating Committee. During most years, groundwater levels would raise in elevation. The elevated water table would help prevent salt-water intrusion and reduce pumping costs when pumping is necessary. When complete and operational, the project will store up to 60,500 acre-feet in the basin, a capacity that would provide 7.5 years of dry year supply. The SFPUC proposes to construct five (5) wells starting in June 2014, with completion targeted for February 2016. Construction of these 5 wells is identified as Phase 1A of the overall Regional GSR Project. Phase 1A wells are located in the cities of Daly City, Colma, and South San Francisco (see well numbers 1, 3, 7, 12, and 15 in the project location map). The wells will be drilled to between 550 and 750 feet deep. Phase 1A consists of well drilling, well construction, well development and pump testing. Future phases of the GSR Project (already funded) will entail construction of the well station (i.e., the facility and equipment which houses the well and can include the pump, water treatment devices, and fencing among other items).
Project Objective	When complete and operational, the Regional GSR Project will store up to 60,500 acre feet in the South Westside Groundwater Basin, a capacity that would provide 7.5 years of dry year supply.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Conjunctive-Water Supply Enhancement	0	See Attachments 7 and 8

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="2022261"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="1400000"/>
Total Project Cost	<input type="text" value="3422261"/>

Geographic Information

Latitude DD(+/-)

Longitude DD(+/-)

Longitude/Latitude Clarification Location

County Ground Water Basin Hydrologic Region WaterShed

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 12: Richmond Breuner Marsh Restorati
Implementing Organization	East Bay Regional Park District
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	8/1/2016
Project Scope	This project will create, restore, enhance, and protect 164 acres of crucial habitat in Breuner Marsh.
Project Description	EBRPD proposes to create, restore, enhance, and protect 164 acres of crucial habitat in Breuner Marsh at Point Pinole Regional Shoreline Park in the northwest part of the city of Richmond on the San Francisco Bay shoreline, Contra Costa County, California. The goal of this wetland restoration project is to provide long-term, self-sustaining tidal wetlands, seasonal wetlands, and coastal prairie to create valuable habitat for special-status species and for public access for compatible passive recreation and public education. The project will create, enhance, restore, and protect approximately 68 acres of wetlands and 96 acres of coastal prairie upland habitat. This includes creation of approximately 26 acres of tidal wetland and 0.3 acres of seasonal wetland. Wetlands restoration will aid in reducing polluted run-off from surrounding urban industrial areas by providing a natural filtering system of marshland vegetation. Due to the combination of wetlands and upland areas, the project will provide a transitional area to mitigate the effects of extreme high-tide events caused by sea level rise resulting from climate change. To aid in public education regarding the fragile marsh habitat, public access improvements will include interpretive exhibits and provide for new naturalist-lead tours of the restored marsh, as well as promote public health by increasing outdoor recreational opportunities for the adjacent under-served community of primarily low-income and minority residents. Much of Richmond's historic shoreline has been lost to industrial uses and is no longer accessible to the public. However, the seven-mile stretch of shoreline from Point San Pablo to Point Pinole represents one of the last remaining shorelines still largely intact. This wetland complex contains an estimated 540 acres of tidal marsh and more than 900 acres of tidal flat. Lying just offshore is the largest eelgrass bed in the entire San Francisco Bay, which supports diverse wildlife.
Project Objective	The goal of this wetland restoration project is to provide long-term, self-sustaining tidal wetlands, seasonal wetlands, and coastal prairie to create valuable habitat for special-status species and for public access for compatible passive recreation and public education.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Shallow Water/Marsh/ Wetland Habitat	62	Tidal and seasonal wetland restoration

Project Objective

Budget

Other Contribution	2300000
Local Contribution	3336800
Federal Contribution	2518000
Inkind Contribution	0
Amount Requested	750000
Total Project Cost	8904800

Geographic Information

Latitude DD(+/-)	37	MM 59	SS 16
Longitude DD(+/-)	122	MM 21	SS 38
Longitude/Latitude Clarification		Location	Richmond

County Contra Costa Ground Water Basin Hydrologic Region San Francisco Bay WaterShed

Rheem Creek

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 15: San Francisco International Airport
Implementing Organization	San Francisco Airport Commission
Secondary Implementing Organization	Agency is Registered on BMS with City and County of San Francisco - San Francisco Public Utilities Commission
Proposed Start Date	10/1/2013
Proposed End Date	8/1/2016
Project Scope	This project will provide the infrastructure to reuse 100% of treated effluent at the San Francisco International Airport.
Project Description	The City and County of San Francisco (CCSF) owns and operates the Mel Leong Treatment Plant (MLTP) through the SFIA. The MLTP includes an Industrial Wastewater Treatment Plant (IWTP) and a Sanitary Wastewater Treatment Plant (SWTP). The effluent from both wastewater facilities (IWTP and SWTP) is currently routed to either an effluent pump station or a water reclamation pump station. Effluent from the water reclamation pump station is used within the airport for irrigation purposes under a restricted use permit. The existing tertiary treatment plant will be upgraded to produce up to 1.0 MGD of disinfected recycled water for unrestricted non-potable uses throughout the SFIA, including landscape irrigation and urban reuse. This will be accomplished through the combined use of membrane microfiltration and hypochlorite disinfection. The proposed upgrades include constructing new pipes, pumps, and water storage tanks in order to store the water onsite. This project will provide the necessary infrastructure needed to reuse 100% of treated effluent at the airport terminals for non-potable reuse, thus reducing water demand on the CCSF's Hetch Hetchy imported water system.
Project Objective	Goal 1 is to protect and improve the quality of water resources in the San Francisco Bay by reducing the quantity of effluent being sent to the Bay. Goal 2 is to improve water supply reliability by using 100% recycled water for non-potable water demands.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling-Water Supply Enhancement	0	See Attachments 7 and 8

Project Objective

Budget

Other Contribution	0
Local Contribution	5285847
Federal Contribution	0
Inkind Contribution	0
Amount Requested	750000
Total Project Cost	6035847

Geographic Information

Latitude DD(+/-)	37	MM 38	SS 15
Longitude DD(+/-)	122	MM 23	SS 4
Longitude/Latitude Clarification		Location	South San Francisco
County San Mateo Ground Water Basin Hydrologic Region San Francisco Bay WaterShed San Francisco Bay			

Legislative Information

	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly
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Assembly District	District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (CA)

Project Information

Project Name	Project 0: Grant Administration
Implementing Organization	Association of Bay Area Governments
Secondary Implementing Organization	
Proposed Start Date	10/1/2013
Proposed End Date	12/1/2018
Project Scope	ABAG will ensure that grant funds are properly managed and administered, projects completed and schedules met within budget.
Project Description	The Bay Area grantee is the Association of Bay Area Governments (ABAG). ABAG will provide grant oversight and coordination with all project proponents ensuring completeness of reporting and invoicing, ensuring project progress is being made according to schedule and concomitant with progress reports and field visits. An implementation agreement between ABAG and each project proponent will be established to ensure that matching funds are committed and grant requirements are satisfied, which will reduce risk exposure to ABAG in executing a grant agreement with the State on behalf of the project proponents. Each of the agreements will have similar general conditions, but will also be tailored to the specific funding and grant requirements particular to each project. Generally, the implementation agreements would be controlling with respect to issues affecting a specific project whereas the Oversight & Coordination Committee would be looking at issues affecting implementation of the entire suite of projects.
Project Objective	This effort will ensure that Bay Area IRWM grant funds are properly managed and administered in accordance with DWR guidelines and requirements.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	

Project Objective

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	750000
Total Project Cost	750000

Geographic Information

Latitude DD(+/-)	37	MM 5	SS 2
Longitude DD(+/-)	122	MM 33	SS 36
Longitude/Latitude Clarification		Location	San Francisco Bay Area
County Sonoma,Napa,Contra Costa,Alameda,Santa Clara,San Mateo,San Francisco,Marin Ground Water Basin Hydrologic Region WaterShed			
San Francisco Bay			

Legislative Information

Assembly District	6th Assembly District,7th Assembly District,8th Assembly District,11th Assembly District,13th Assembly District,15th Assembly District,18th Assembly District,21st Assembly District,24th Assembly District
Senate District	2nd Senate District,3rd Senate District,5th Senate District,7th Senate District,9th Senate District,10th Senate District,11th Senate District
US Congressional District	District 1 (CA),District 6 (CA),District 7 (CA),District 8 (CA),District 9 (CA),District 10 (CA),District 12 (CA),District 13 (CA),District 14 (CA),District 16 (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.

The San Francisco Bay Regional Water Enhancement Program Proposition 84, Round 2 Implementation Proposal (Proposal) will implement 19 high priority projects which comprise a well integrated implementation program with multiple water supply, water quality, habitat enhancement, and flood protection benefits. The projects are distributed throughout the Bay Area IRWM Region, address all seven IRWM Program Preferences, and the majority of the Statewide Priorities. These projects address priorities related to stormwater runoff improvements, agricultural land management, water reuse, habitat restoration, as well as projects related to adaptation to sea level rise, drought preparedness, reduction in Delta Water dependence, and water supply reliability, flood protection, and benefits for disadvantaged communities. Following is a listing of proposed projects included in this Proposal and the project proponent. The primary project benefit type is indicated with in parenthesis at the end of each listing: - Project 1: Bay Area Region Conservation and Education Program [Zone 7] (water supply) - Project 2: East Bayshore Recycled Water Project Phase 1A (Emeryville) [East Bay Municipal Utilities District (water supply)] - Project 3: Lagunitas Creek Watershed Sediment Reduction and Management Project [Marin Municipal Water District] (habitat enhancement) - Project 4: Marin/Sonoma Conserving Our Watersheds: Agricultural BMP Projects [Marin Resource Conservation District] (habitat enhancement) - Project 5: Napa Milliken Creek Flood Damage Reduction and Fish Passage Barrier Removal [Napa County] (/flood protection) - Project 6: North Bay Water Reuse Program ? Sonoma Valley CSD 5th Street East/McGill Road Recycled Water Project [Sonoma Valley County Sanitation District] (water supply) - Project 7: Oakland Sausal Creek Restoration Project [City of Oakland] (habitat enhancement) - Project 8: Pescadero Water Supply and Sustainability Project [San Mateo County] (critical water supply for a DAC) - Project 9: Petaluma Flood Reduction and Habitat Quality, and Recreation Project for Capri Creek [City of Petaluma] (flood protection) - Project 10: Redwood City Bayfront Canal and Atherton Channel Flood Improvement and Habitat Restoration Project [City of Redwood City] (flood protection) - Project 11: Regional Groundwater Storage and Recovery Project Phase 1A - South Westside Basin, Northern San Mateo County [San Francisco Public Utilities Commission] (water supply) - Project 12: Richmond Breuner Marsh Restoration Project [East Bay Regional Park District] (habitat enhancement) - Project 13: Roseview Heights Infrastructure Upgrades for Water Supply and Quality Improvement, Santa Clara County [Rose Heights Municipal Water District] (water supply) - Project 14: San Francisco Bay Climate Change Pilot Projects Combining Ecosystem Adaptation, Flood Risk Management and Wastewater Effluent Polishing [Association of Bay Area Governments] (water quality) - Project 15: San Francisco International Airport Reclaimed Water Facility [City and County of San Francisco, Airport Commission] (water supply) - Project 16: San Jose Green Streets & Alleys Demonstration Projects [City of San Jose] (water quality) - Project 17: San Pablo Rheem Creek Wetlands Restoration Project [Contra Costa Water District] (habitat enhancement) - Project 18: St. Helena Upper York Creek Dam Removal and Ecosystem Restoration Project [City of St. Helena] (habitat enhancement) - Project 19: Students and Teachers Restoring a Watershed (STRAW) Project?North and East Bay Watersheds [PRBO Conservation Science] (water quality).

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.

Ezra Rapport, Executive Director Association of Bay Area Governments ezrar@abag.ca.gov PO Box 2050 Oakland, CA 94604-2050 Tel: 510-464-7927

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.

Jennifer Krebs Title: Principal Environmental Planner ABAG, 1515 Clay Street, Suite 1400, Oakland, CA 94612 Email: jennifer.krebs@waterboards.ca.gov Tel: 510-622-2

Q4. APPLICANT INFORMATION

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

Association of Bay Area Governments (ABAG) PO Box 2050 Oakland, CA 94604-2050

Q5. ADDITIONAL INFORMATION

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

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

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

San Francisco Bay Funding Area

Q6. DAC WAIVER COST SHARE REQUEST:

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

Yes

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

San Francisco Bay Regional Water Quality Control Board (Region 2)

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.

Yes, the Proposal meets the minimum funding match of 25% of total project cost. This Proposal includes a funding match of 59% of total project costs, which exceeds the 25% requirement. Project elements to benefit disadvantaged communities are included in the proposal and Attachment 12 has been prepared to justify a cost match waiver for those elements, however the overall proposal is not conditioned on that waiver being granted.

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.

Yes. San Francisco Bay Area IRWM Planning 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.

ABAG is a local public agency; ABAG is not a non-profit organization.

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.

Alameda County Water District: Stephanie Nevins, Stephanie.nevins@acwd.com (510)668-4207 City of Napa: Patrick Costello, pcostello@cityofnapa.org (707)257-9309 City of Redwood: Grace Le, gle@redwoodcity.org, (650) 780-7258 City of San Jose: Elaine Marshall, Elaine.marshall@sanjoseca.gov, (408) 793-5355 Contra Costa Water District: Mark Seedall, mseedall@ccwater.com, 925-688-8119 East Bay Municipal Utilities District: L Hu, lhu@ebmud.com, 510-287-1691 Marin Municipal Water District: Gregory Andrew, gandrew@marinwater.org, (415)945-1191 San Francisco Public Utilities Commission: Greg Bartow, gbartow@sfgwater.org, (415)934-5724 Santa Clara Valley Water District: Jerry De La Piedra, jdelapiedra@valleywater.org (408)630-2257 Sonoma County Water Agency: Joan Hultberg, Joan.hultberg@scwa.ca.gov (707)547-1902 Zone 7 Water Agency: Robyn Navarra, conservewater@zone7water.com, (925) 454-5065

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. Following is a list of the urban water suppliers listed in Q11 and the dates that they received a letter from DWR verifying that their UWMPs were complete. Alameda County Water District: October 27, 2011 City of Napa: November 10, 2011 City of Petaluma: May 31, 2012 City of Redwood: July 13, 2011 City of San Jose: July 13, 2006, Pending DWR approval of 2010 updates Contra Costa Water District: November 3, 2011 East Bay Municipal Utilities District: November 30, 2011 Marin Municipal Utilities District: October 28, 2011 San Francisco Public Utilities Commission: October 27, 2011 Santa Clara Valley Water District: October 27, 2011 Sonoma County Water Agency: September 19, 2011 Zone 7 Water Agency: September 19, 2011

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. Contra Costa Water District, Sonoma County Water Agency, and Santa Clara Valley Water District applied for Proposition 1E Stormwater Flood Grants. Each of the agencies submitted AB 1420 documentation to DWR.

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. Project 8: Pescadero Water Supply and Sustainability Project (County of San Mateo) and Project 11: Regional Groundwater Storage and Recovery Project Phase 1A ? S Westside Basin, Northern San Mateo County (San Francisco Public Utilities Commission [SFPUC])

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.

The County of San Mateo has completed two water supply assessments for the CSA 11 water system: the Assessment of Source Water for the Pescadero Water System CSA Todd Engineers, March 2002 and the Technical Memorandum #1: Water Supply Reliability, HydroScience Engineers, March 2013. These reports are included in this application (Attachment 1, file 2of2). The County of San Mateo consents to be subjected to an existing GWMP, basin-wide management plan, or other IRWM program or plan that meet requirements of California Water code (CWC) 10753.7. A GWMP for the South Westside Basin in northern San Mateo County was developed by: SFPUC, City of Daly City, of San Bruno, and the CalWater Service Company in July 2012. The GWMP was prepared and is being implemented according to California Water Code (CWC) 10753.7. Relevant sections of the GWMP are included in Attachment 1, file 2of2.

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. The Bay Area is dependent upon the Delta and its tributaries for its surface water supplies. About 70 percent of urban water supply in the region is derived from these E and major tributary (Tuolumne and Mokelumne) sources. About half of that surface water is withdrawn from the statutory delta (State Water Project, Federal Central Valley Project, and other USBR federal facilities), with the balance coming from upstream of the Delta from the Tuolumne River (SFPUC and its contractors) and the Mokelumne River (EBMUD).

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. Attachment 13 has been completed.

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. Attachment 13 has been completed.

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.

City of Napa: Patrick Costello, pcostello@cityofnapa.org (707)257-9309 City of San Jose: Elaine Marshall, Elaine.marshall@sanjoseca.gov, (408) 793-5355 East Bay Municipal Utilities District: Linda Hu, lhu@ebmud.com, 510-287-1691 East Bay Regional Park District: Brad Olson/Jeff Rasmussen, bolson@ebparks.org, 510-544-2622, JRasmussen@ebparks.org Sonoma County Water Agency: Kevin Booker, kevin.booker@scwa.ca.gov, (707) 521-1865

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 Q22 above have submitted SWRCB surface water diversion reports.

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.

Alameda County Water District: Stephanie Nevins, Stephanie.nevins@acwd.com (510)668-4207 City of Napa: Patrick Costello, pcostello@cityofnapa.org (707)257-9309 City of Petaluma: Pamela Tuft, ptuft@ci.petaluma.ca.us (707) 778-4514 City of San Jose: Elaine Marshall, Elaine.marshall@sanjoseca.gov (408) 793-5355 East Bay Municipal Utilities District: Linda Hu, lhu@ebmud.com (510)-287-1691 Marin Municipal Water District: Gregory Andrew, gandrew@marinwater.org (415)945-1191 Redwood City: Grace Igle@redwoodcity.org (650) 780-7258 San Francisco Public Utilities Commission: Greg Bartow, gbartow@sfgwater.org (415)934-5724 San Mateo County: Carole Foster cfoster@smcgov.org, (650)599-1448 Santa Clara Valley Water District: Jerry De La Piedra, gdelapiedra@valleywater.org (408)630-2257 Sonoma County Water Agency: J Hultburg, Joan.hultberg@scwa.ca.gov (707)547-1902 Zone 7 Water Agency: Robyn Navarra, conservewater@zone7water.com, (925) 454-5065

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.

Alameda County Water District has met the requirements of DWR's CASGEM Program and is a designated monitoring entity as of January 1, 2013. The City of Napa lies within the County of Napa. The County of Napa is the local designated monitoring entity meeting the requirements of DWR's CASGEM Program. The City of Petaluma has met the requirements of DWR's CASGEM Program and is a designated monitoring entity as of January 1, 2013. The City of San Jose is not responsible for meeting the requirements of DWR's CASGEM Program. This is the purview of the Santa Clara Valley Water District. East Bay Municipal Utilities District is in the process of meeting the requirements of DWR's CASGEM Program. The Marin Municipal Water District has met the requirements of DWR's CASGEM Program and will not be conducting groundwater monitoring. The County of Marin is conducting groundwater monitoring under DWR's CASGEM Program, for the geographic area surrounding and including Marin Municipal Water District service area. Redwood City is not involved in DWR's CASGEM Program. San Francisco Public Utilities Commission has met the requirements of DWR's CASGEM Program. San Mateo County is in the process of complying with DWR's CASGEM Program. Santa Clara Valley Water District has met the requirements of DWR's CASGEM Program and is a designated monitoring entity as of January 1, 2013. Sonoma County Water Agency has met the requirements of DWR's CASGEM Program and is a designated monitoring entity as of January 1, 2013. Zone 7 Water Agency has not met the requirements of DWR's CASGEM Program. However, the proper documentation is being developed and compliance with the requirements is anticipated by December 2013.

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_1of2.pdf

Upload additional authorization and eligibility documentation here, if necessary.

Last Uploaded Attachments: Att1_IG2_Eligible_2of2.pdf

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_1of1.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_1of5.pdf

Upload additional work plan components here, if necessary.

Last Uploaded Attachments: Att3_IG2_WorkPlan_2of5.pdf

Upload additional work plan components here, if necessary.

Last Uploaded Attachments: Att3_IG2_WorkPlan_3of5.pdf

Upload additional work plan components here, if necessary.

Last Uploaded Attachments: Att3_IG2_WorkPlan_4of5.pdf

Upload additional work plan components here, if necessary.

Last Uploaded Attachments: Att3_IG2_WorkPlan_5of5.pdf

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_1of2.pdf

Upload additional budget components here, if necessary.

Last Uploaded Attachments: Att4_IG2_Budget_2of2.pdf

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_1of1.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_1of2.pdf

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

Last Uploaded Attachments: Att6_IG2_Measures_2of2.pdf

Upload additional monitoring, assessment, 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_1of2.pdf

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

Last Uploaded Attachments: Att7_IG2_TechJust_2of2.pdf

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_1of4.pdf

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

Last Uploaded Attachments: Att8_IG2_BenCost_2of4.pdf

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

Last Uploaded Attachments: Att8_IG2_BenCost_3of4.xlsm

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

Last Uploaded Attachments: Att8_IG2_BenCost_4of4.xlsm

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_1of1.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_1of1.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_1of1.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_1of1.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 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 summary of IRWM Plan here. This field is mandatory.

Last Uploaded Attachments: Att13_IG2_Delta_1of1.pdf