Appendix C

Candidate Plan Projects

- Summary Matrix of Candidate and Pending Projects
- Map Showing Candidate Project Locations
- Candidate Projects and California Water Plan Strategies
- Project Identification Short-Form
- Project Identification Long-Form

- Summary Matrix of Candidate and Pending Projects

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Castaic Lake Water Agency (CLWA) Sponsored Projects						
CLWA-1	Recycled Water Program, Phase II	None listed	CLWA-5	Part of CLWA's Recycled Water Master Plan. Includes the planning, design and construction of CLWA's next phase of recycled water improvements, including a new storage tank and various recycled water pipelines. The recycled water pipelines will transport recycled water from the existing Valencia Water Reclamation Plant to a new recycled water storage tank and recycled water customers.	Valencia Water Reclamation Plant and various local streets in Valencia, CA	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: ~1600 AFY Improve Water Quality: NA Promote Resource Stewardship: Yes, not quantified Capital Cost: $19M O&M Cost: $20K/yr Consistent with Plan Docs: Yes
CLWA-2	Electrolysis and Volatilization for Bromide Removal & DBP Reduction	Carollo Engineers; Metropolitan Water District of Southern California	CLWA-3	Bromide is a non-volatile anion found in all natural waters. Removing bromide using existing technologies is cost prohibitive for large scale water treatment. CLWA has developed a technology that can remove bromide from source waters. Water is passed between dimensionally stable anodes (DSAs) and the bromide is oxidized to bromine. Water is also oxidized to oxygen gas and hydrogen ions. This produces a very low pH near the surface of the DSAs and large volumes of very fine gases, resulting in the volatilization of bromine. CLWA has published several papers on the topic and received research funds from the American Water Works Association Research Foundation for this project. The process has already been shown to be effective at both removing bromide and reducing the concentrations of brominated disinfection byproducts which bromide causes.	CLWA Rio Vista Treatment Plant, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: ~20,000 gpd treated Improve Water Quality: Yes, not quantified Promote Resource Stewardship: NA Capital Cost: $40-60K O&M Cost: $100K/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Castaic Lake Water Agency (CLWA) Sponsored Projects						
CLWA-3	Feasibility of Using Electrolysis and Volatilization for Chloride Removal	Los Angeles County Sanitation Districts; Carollo Engineers	CLWA-2	Chloride is a non-volatile anion found in all natural waters. Removing chloride using existing technologies is cost prohibitive for large scale water treatment. CLWA has developed a technology that can remove bromide from source waters. Water is passed between dimensionally stable anodes and the bromide is oxidized to bromine. Water is also oxidized to oxygen gas and hydrogen ions. This produces large volumes of very fine gases resulting in the volatilization of bromine. CLWA has published several papers on the topic and received research funds from the American Water Works Association Research Foundation for this project. Since chloride and bromide (and bromine and chlorine) have fairly similar chemistries, the same process may work for the oxidation and volatilization of chloride as well. The proposed project is to operate a pilot-scale treatment plant and conduct studies to determine if the process that removes bromide can also remove chloride from local waters. If effective, the process could be applied to Castaic Lake water and the waters of the Santa Clara River watershed.	CLWA Rio Vista Treatment Plant, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: ~20,000 gpd treated Improve Water Quality: Yes, not quantified Promote Resource Stewardship: NA Capital Cost: $60-80K O&M Cost: $125K/yr Consistent with Plan Docs: unknown
CLWA-4	Large Landscape Efficiency Improvement Program	SCWD, NCWD		This project will start with an education component so the on- site maintenance staff will have an understanding of the issues that lead to increased water demand and the tools to recognize and correct those issues. The site will get an ET controller with a rain shut off device and some high distribution uniformity heads with a low application rate of the correct size installed to demonstrate the maximum achievable results for the unique area. Sites will be chosen on a projected cost versus benefit basis.	Large Landscapes in the Santa Clarita Valley including Landscape Maintenance districts, HOA common areas and regional and local parks.	Reduce Water Demand: Yes by 2 percent Improve Operational Efficiency: Demand reduced by 800 AFY treated water Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: NA Capital Cost: $450-$675K O&M Cost: $500-$1,000/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Castaic Lake Water Agency (CLWA) Sponsored Projects						
CLWA-5	Customer Recycled Water Incentive Program	NCWD, LACWWD NO.36, SCWD, VWC, SCVSD	CLWA-1	CLWA is planning to expand its existing recycled water system as noted in project CLWA-1. This project would fund hook-up costs to the system providing an incentive for the end-user to use recycled water. Project would consist of providing financing to customers to pay for a licensed plumber/contractor to connect to the recycled water system or to pay for the meter or other equipment connect to the system. Financing would be very favorable terms that could be repaid by paying potable rates for recycled water and using the difference to pay for the hook-up costs.	CLWA service area	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Increase recycled water use by 1,600 AFY Improve Water Quality: NA Promote Resource Stewardship: Yes, not quantified Capital Cost: $1M-$10M O&M Cost: $100K/yr Consistent with Plan Docs: Yes

CLWA is listed as a partner for the following projects:

SCVSD-1: East Santa Clara River Wetlands and Recycled Water Project

SVCSD-2: Valencia and Saugus Water Reclamation Plants - Ultraviolet Disinfection System Facilities

SCVSD-3: SCVSD Self-Regenerating Water Softeners (SRWS) Public Outreach and Rebate Program

VWC-2: Implementation of Santa Clarita Valley Water Conservation Strategic Plan

City of Santa Clarita Sponsored Projects						
Santa Clarita-1	Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation	VCRCD, LACDPW, Angeles National Forest	Former separate projects LACDPW-12 and USFS-1 have been combined with Santa Clarita-1.	The VCRCD is implementing an environmentally beneficial project in the Upper Santa Clara River watershed including its tributaries (approximately 16,300 acres) – the Upper Santa Clara River Arundo/Tamarisk Removal Plan (SCARP). Restoration of riparian habitat, increase of water quantity, improvement of water quality, and reduction of flood/wildfire hazard will be accomplished through the removal of invasive plant species, some of which have colonized in large extents of the Upper Santa Clara River watershed. The primary species of concern are arundo (*Arundo donax*) and tamarisk (*Tamarix spp.*). The current estimate is approximately 1,500 acres. However, since the SCARP implementation is a long-term project with extensive costs and logistical issues, the VCRCD is requesting funding to cover a 10-year implementation period.	Approximately 16,300 acres within 500-year floodplain of river and tributaries, Angeles Forest Highway west to the Los Angeles County line.	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: 7,773 AF will be recharged to the groundwater basin Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $4M-$12M O&M Cost: $1.5M-$4M Consistent with Plan Docs: Yes

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
City of Santa Clarita Sponsored Projects						
Santa Clarita-3	Discovery River Park and Conservation Area	None listed	Santa Clarita-1, Santa Clarita-2	This project will capture 100 percent of urban runoff and allow groundwater, now diverted or pumped off-site, to return to the river. Water will flow through planted filtration and bioswales and drain into retention basins and a restored spring-fed pond consistent with historic flow patterns. No unfiltered or untreated urban water will flow into the river or off site. An overflow system will allow rainfall greater than a 50-year storm to gradually enter the river. The interpretive center will be the first of its kind, located in a suburban area, dedicated to storm water management, water conservation, and the Santa Clara River's preservation. The center and its demonstration garden represent a tool for learning about how restoration and conservation has relevance in a suburban community and will provide guidance, direction, and advocacy of sustainable water use. The ecosystem restoration plan includes integrating native planting with adapted, non-invasive species relevant to the Southern California suburban environment.	The project is located along the west side of Canyon View Drive, in the community of Canyon Country within the City of Santa Clarita. It is partially located within the Santa Clara River, a Significant Ecological Area (SEA) as identified in the City's General Plan.	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $1.6M-$1.85M O&M Cost: $25k/yr Consistent with Plan Docs: Yes

The City of Santa Clarita has been listed as partner for the following projects:

SCVSD-1: East Santa Clara River Wetlands and Recycled Water Project

SCVSD-3: SCVSD Self-Regenerating Water Softeners (SRWS) Public Outreach and Rebate Program

Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-1	Lower San Francisquito Spreading Grounds	LACFCD	LACDPW-11, LACDPW-15, LACDPW-16	This project consists of building a recharge facility and diversion. Flows will be redirected to the west bank and to the property adjacent to the river where basins for recharge will be excavated. An earthen diversion will wash out during major storms and it will later need to be rebuilt. There may be opportunities for habitat restoration and passive recreation in the surrounding areas. Trash that washes into the river will be collected in the basins and removed regularly.	Upstream of Decoro Drive, north bank, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 47 acres in the floodplain Capital Cost: $3M-$6M O&M Cost: $25k/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-2	Newhall Creek In-River Spreading Grounds	LACFCD		The Newhall Creek In-River Spreading Grounds Project would consist of excavating a portion of the river and widening the river to provide in-stream recharge basins. Habitat could be restored along the river. The berms would be washed out during high flows and would need to be reestablished. Trash would be detained in and then removed from the outer basins.	Near confluence of Newhall Creek and Santa Clara River South Fork, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 1-100 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 5 acres in floodplain Capital Cost: $2M-$5M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-3	Placerita Creek Off-River Spreading Grounds	LACFCD		The Placerita Creek Off-River Spreading Grounds Project would consist of building a recharge facility and a diversion structure. Storm flows from the creek and from the South Fork of the Santa Clara River would be diverted into a spreading basin using an earthen berm. Trash would wash into the spreading grounds and be removed post-storm. The spreading grounds could incorporate habitat restoration and/or passive recreation.	Near confluence of Placerita Creek and Santa Clara River South Fork, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 17 acres of floodplain Capital Cost: $3M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-4	Santa Clara In-River Spreading Ground No. 1	LACFCD		The recharge basins would be constructed on the outer edges of the river and earthen levees would be constructed to direct flows to the basins from the center of the river. Storm flows would meander through the river section allowing more time for percolation. Higher flows would wash out the diversion, and it would be reconstructed post storm. The project consists of 61 acres providing 183 AF of storage and water conservation benefit of 550 AF. There are opportunities for habitat restoration in the surrounding areas. Trash would typically be detained in the outer basins and removed post storm.	Between Cocklebur Lane and Soledad Street upstream and downstream of Conveyer Belt, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 61 acres in floodplain Capital Cost: $4M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-5	Santa Clara In-River Spreading Ground No. 2	LACFCD		The spreading grounds would utilize earthen levees to redirect flows to the outside banks of the river. Small recharge basins and finger levees along the outer banks would slow flows and increase recharge in this stretch of the river. Trash would typically be detained in the outer basins and removed from the river post-storm. High flows would wash out the low levees, and they would be rebuilt after larger storms. Adjacent areas may provide opportunities for habitat restoration and possible invasive species removal.	Upstream of Lang Station Road, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 18 acres in floodplain Capital Cost: $2M-$5M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-6	Santa Clara Off-River Spreading Ground	LACFCD		The project would install a diversion in the Santa Clara River that would convey water to the adjacent property where recharge basins would be constructed. Trash would be collected in the spreading grounds. The stream flow gages would be placed to determine the amount of water that is being directed to the spreading grounds. The spreading grounds would have a total area of 53 acres and a storage capacity of 223 AF. Passive recreation and habitat restoration could be incorporated into the design of the facility.	Upstream of Whites Canyon Road, crossing on Santa Clara, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: 53 acres in floodplain Capital Cost: $4M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-7	Santa Clara River Rubber Dam No. 1	LACFCD		An air inflatable rubber dam will be constructed at the proposed location. During storm flows, the rubber dam will inflate, and the water will pond and percolate behind the rubber dam. During nonstorm weather, the rubber dam will stay deflated to allow lower flows in the river to pass without obstruction. Habitat will be restored along the river. Trash that collects behind the rubber dam will be removed.	Santa Clara River, Bouquet Canyon Road Bridge, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-8	Santa Clara River Spreading Ground	LACFCD		This project would construct earthen levees in the river to slow down and spread flows across the river. Another levee would direct flows to an adjacent property along the south bank. The diversion levee would wash-out during higher flows to minimize damage to the proposed levees. The off-river portion of this proposal could be designed to incorporate habitat and passive recreation. Trash would be diverted and detained at the basins for post-storm removal.	Santa Clara River between Highway 14 and Sand Canyon Road, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-2,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $7M-$10M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-9	South Fork Santa Clara River Rubber Dam No. 1 and Spreading Ground	LACFCD		An air-inflatable rubber dam will be installed utilizing the location of an existing drop structure. During storm flows the rubber dam will inflate, and water will pond and percolate behind the rubber dam. The rubber dam will also divert the water to the proposed spreading basins which will then also percolate into the aquifers. After the water percolates, the rubber dam will slowly deflate and lay flat across the drop structure allowing lower flows in the river to pass without obstruction.	Under the pedestrian bridge at Newhall Avenue, adjacent to Santa Clara River South Fork, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5M-$9M O&M Cost: $50k/yr Consistent with Plan Docs: unknown
LACDPW-10	South Fork Santa Clara River Rubber Dam No. 2	LACFCD		This project will involve the installation of an inflatable-rubber dam to aid in conserving storm water within the river. Since the rubber dam will be installed on an existing drop structure, the native ground surface will not be disturbed. During storm flows, the rubber dam will inflate, and water will pond and percolate behind the dam. After the water percolates, the rubber dam will slowly deflate and lay flat across the drop structure and allow lower flows in the river to pass without obstruction. Habitat could be restored along the banks of the river. Trash that washes into the river will be collected at the rubber dam and it will be removed.	Santa Clara River South Fork, near Covala Drive, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-11	South Fork Santa Clara River Rubber Dam No. 3	LACFCD	LACDPW 1, LACDPW-15, LACDPW-16	This project will install an air-inflatable rubber dam, utilizing the location of an existing drop structure. During storm flows the rubber dam will inflate, and water will pond and percolate behind the rubber dam. After the water percolates, the rubber dam will slowly deflate and lay flat across the drop structure. This will allow the lower flows in the river to pass without obstruction. Habitat will be restored along the banks of the river. Trash that washes into the river and collects behind the rubber dam will be removed.	Santa Clara River South Fork, near the continuation of Pueblo Drive, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-13	Acquisition of Land in the Flood Plain of the Upper Santa Clara River	None listed	RMC-1, SCOPE-1	This project entails the acquisition of land in the Upper Santa Clara River flood plain by willing sellers in order to restrict their future development and restore lands to their natural condition.	Throughout the Upper Santa Clara River, Los Angeles County, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: unknown O&M Cost: unknown Consistent with Plan Docs: unknown
LACDPW-14	Acton Master Drainage Plan	None listed		Phased development of flood control facilities to mitigate flooding in the Acton community. Proposed improvements include four debris basins, five multi-use retention facilities, and low impact water quality enhancement flood control facilities.	Throughout the Upper Santa Clara River, Los Angeles County, CA	Reduce Water Demand: NA Improve Operational Efficiency: Yes, not quantified Enhance Water Supply: NA Improve Water Quality: NA Promote Resource Stewardship: Yes, not quantified Capital Cost: $10M-50M O&M Cost: unknown Consistent with Plan Docs: unknown

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-15	South Fork Santa Clara River Rubber Dam No. 4	LACFCD	LACDPW-1, LACDPW-11, LACDPW-16	Utilizing the location of an existing drop structure, this project will install an air-inflatable rubber dam. During storm flows the rubber dam will inflate, and water will pond and percolate behind the rubber dam. After the water percolates, the rubber dam will slowly deflate and lay flat across the drop structure and allow lower flows in the river to pass without obstruction. Habitat will be restored along the banks of the river. The adjacent power line easement provides opportunities for habitat restoration and possible recreation. Trash will be removed at the rubber dam after storms.	Santa Clara River South Fork, Valencia Boulevard Bridge, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5M-$7M O&M Cost: $25k/yr Consistent with Plan Docs: unknown
LACDPW-16	Upper San Francisquito Spreading Grounds	LACFCD	LACDPW 1, LACDPW-11, LACDPW-15	This project will construct earthen levees that will divert water to the outside limits of the creek where recharge basins will be constructed. During higher flows, the earthen levee would wash out and regular maintenance to restore the levees will be necessary. There may be opportunities for habitat restoration and passive recreation in the surrounding areas. Trash that washes into the creek will be detained at the recharge basins and will be removed.	Upstream of Copper Hill Drive, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-2,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 54 acres within floodplain Capital Cost: $3M-$6M O&M Cost: $25k/yr Consistent with Plan Docs: unknown

LACDPW is listed as partner for the following project:

Santa Clarita-1: Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation

Newhall County Water District (NCWD) Sponsored Projects						
NCWD-1	Wellhead Treatment for NC 10	None listed	SCWD-1, VWC-1, SCVSD-2	The project would provide treatment to remove naturally occurring manganese and iron from the groundwater. Treatment would bring the manganese and iron levels below the secondary MCL of 50 ppb and 300 ppb respectively. In February of 2005 an iron and manganese removal feasibility study was completed for Newhall Well No. 10. The study found that there were treatment options that could bring iron levels below 100 ppb and manganese levels below 20 ppb.	The proposed treatment plant site is adequate for a typical treatment train (about 250 feet by 200 feet) and is located on San Fernando Road. The site is located within a mixed industrial/residential use area. Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: Reduces demand by 870 AFY Enhance Water Supply: 870 AFY would be made available to NCWD (Newhall) Improve Water Quality: Manganese levels below secondary MCL of 50 ppb; iron levels below secondary MCL of 300 ppb. Promote Resource Stewardship: NA Capital Cost: $826K-$1M O&M Cost: $32.50/AF Consistent with Plan Docs: Yes

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Newhall County Water District (NCWD) Sponsored Projects						
NCWD-3	Removal of the Sewer Trunk Line from the Santa Clara Riverbed	LACDPW, City of Santa Clarita		The main objective of this sewer realignment project is to relocate the remaining portion of the 2-S Trunk Sewer out of the Santa Clara River by routing sewage across the Santa Clara River underneath the Sand Canyon Bridge into a Los Angeles County sewer, and relocating a portion of the existing trunk sewer into the paved section of the Lost Canyon Road. The proposed sewer abandonment includes 4,881 linear feet of 15-, 18-, 21-, and 24-inch sewer pipe. The relocation of the sewer would prevent the discharge of untreated sewerage directly into the Santa Clara River as a result of storm damage.	Parts of the Pinetree sewer trunk line are located in the Santa Clara River bed. The project will remove the sewer from the stream bed and relocate it into the public right-of-way and out of the flow of the stream bed. Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: NA Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: ~$1.74M-$2.5M O&M Cost: $20K/yr Consistent with Plan Docs: unknown

NCWD is listed as partner for the following projects:

CLWA-5: Customer Recycled Water Incentive Program

SCWD-2: Consolidation of Water Mutuals

VWC-2: Implementation of Santa Clarita Valley Water Conservation Strategic Plan

Rivers and Mountains Conservancy (RMC) Sponsored Projects						
RMC-1	Acquisition of River Channel and Major Tributaries for Watershed Protection	Santa Monica Mountains Conservancy, The Nature Conservancy	SCOPE-1, LACDPW-13	The purpose of this project is to preserve the natural floodplain of the upper reaches of the river for water conservation and habitat protection. In addition, the project would address preservation of recharge capacity, preservation of habitat values, protection from flooding, and protection from pollution and water based recreation. By acquiring the riparian and flood plain parcels, they can remain undeveloped and therefore continue to provide watershed benefits in perpetuity.	Upper reaches of the Santa Clara River and its major tributaries	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $5k-$10k/acre O&M Cost: TBD Consistent with Plan Docs: Yes

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Santa Clarita Valley Sanitation District (SCVSD) Sponsored Projects						
SCVSD-1	East Santa Clara River Wetlands and Recycled Water Project	City of Santa Clarita, NCWD, SCWD	NCWD-2 and SCWD-3 have been combined with SCVSD-1	The East Santa Clara River Wetlands and Recycled Water Project is a multi-phase project. Phase I is a feasibility study to investigate potential impacts that the discharge of recycled water in the eastern Santa Clara River would have on surface water and groundwater quality, as well as the creation/development of wetland and riparian habitat. The feasibility study would also identify potential recreational opportunities. A set of recommended project(s) would be developed for Phase II implementation. Phase II of the project would involve: (1) design and construction of a line to convey recycled water to the NCWD and SCWD service areas and to discharge recycled water to eastern Santa Clara River; and (2) construction of wetlands using recycled water which will also provide recreational opportunities (e.g., regional walking trails, cycling paths and green belts). Phase II of the project would be implemented after completion of the Phase I studies, assuming that a recommended set of project(s) are identified as feasibile.	Reach 7 portion of the Santa Clara River (bound by Lang gauging station and Bouquet Canyon Bridge), Santa Clarita, CA	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost Phase I: $300k-$600k; Capital Cost Phase II: $10M-$20M O&M Cost: TBD Consistent with Plan Docs: Yes
SCVSD-2	Valencia and Saugus Water Reclamation Plants - Ultraviolet Disinfection System Facilities	CLWA	SCVSD-3, VWC-1, NCWD-1	The Saugus and Valencia Water Reclamation Plant UV Disinfection Facilities will reduce chloride loading from chloramination, preserve and expand the use of recycled water in the Upper Santa Clara River IRWMP Region, which is an important component of the Valley's water resources, and improve recycled water quality by reducing chloride levels and reducing the potential to generate disinfection byproducts, such as trihalomethanes and NDMA. The project will demonstrate the sequential use of free chlorine/UV disinfection as an alternative disinfection method to the current disinfection method utilizing chloramination.	Valencia Water Reclamation Plant and Saugus Water Reclamation Plant, Santa Clarita, CA	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Up to 17,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $11.5M-$13.2M O&M Cost: $500k/yr Consistent with Plan Docs: unknown

SCVSD is listed as partner for the following projects:

CLWA-5: Customer Recycled Water Incentive Program

VWC-1: Water Quality Improvement Program

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Santa Clarita Valley Sanitation District (SCVSD) Sponsored Projects						
SCVSD-3	SCVSD Self-Regenerating Water Softeners (SRWS) Public Outreach and Rebate Program	City of Santa Clarita, CLWA	SCVSD-2, VWC-1, NCWD-1, Santa Clarita-2	Since 2003, the District has aggressively targeted voluntary removal of residential SRWS with a multi-pronged public education campaign and rebate program. However, it is unlikely that this program alone will accomplish the goal of removal of SRWS predating 2003 within the necessary time period. The District's goal is to reduce chloride in an environmentally-friendly, cost-effective and timely manner. The upgraded rebate program (the project) will offer homeowners reasonable value for SRWS units, as well as assistance with removal and disposal of the units, consistent with provisions of SB 475, which took effect January 1, 2007. The intent is to provide incentive to remove SRWS units expeditiously on a voluntary basis. Reasonable value for SRWS units will be based on the average retail value of units assuming a 12-year service life and straight-line depreciation. Following the effective date of an ordinance banning all existing water softener that implements the provisions of SB 475, assuming it passes in a referendum as required under SB 475, rebate amounts will be reduc	SCVSD's service area	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Up to 17,000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $4.7M O&M Cost: NA Consistent with Plan Docs: unknown
Santa Clarita Water Division (SCWD) Sponsored Projects						
SCWD-2	Consolidation of Water Mutuals	California Department of Public Health (DPH)		This project would involve designing more efficient distribution systems within ten water mutuals and replacing existing distribution lines with new, current standard approved piping. Also, the master meter would be removed and every residence would be metered individually. This would ensure good water quality throughout these areas with routine water sampling and testing and system flushing. System pressure would be more consistently maintained throughout these areas so risk of contaminating backflow events would be reduced.	Ten separate locations east of Bouquet Canyon Road to just east of Sand Canyon Road on both north and south sides of Reach 7 of the Santa Clara River. Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: Yes, not quantified Enhance Water Supply: NA Improve Water Quality: Yes, not quantified Promote Resource Stewardship: NA Capital Cost: $1M-$5M O&M Cost: Unknown Consistent with Plan Docs: unknown

SCWD has been listed as a partner for the following projects:

CLWA-5: Customer Recycled Water Incentive Program

VWC-2: Provide Funding to Implement Innovative and Cost-Effective Water Conservation Programs

PROJECTS READY FOR PRIORITIZATION PROCESS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Valencia Water Company (VWC) Sponsored Projects						
VWC-1	Water Quality Improvement Program	SCVSD, City of Santa Clarita	SCVSD-2, SCVSD-3, NCWD-1, SCWD-1	The proposed Water Quality Improvement Program is a demonstration project that employs pellet softening technology to reduce the concentration of calcium in water produced from an existing water supply well. The softened water will be delivered to approximately 430 existing homes. The objectives of the project are to confirm consumer acceptance of a centralized water softening system, measure region-wide environmental protections, evaluate economic benefits to customers and the community, and optimize the pellet softening treatment process. Pellet softening is the process of mineral extraction through precipitation. The system utilizes a cylindrical column with a sand bed. Hard water enters the bottom of the column and the pH is elevated using sodium hydroxide. The sand bed becomes fluidized and the calcium crystallizes around grains of sand - creating white spherical pellets of calcium carbonate. As the water passes through the column the pH is then reduced using carbon dioxide. As the pellets grow they are removed and can be reused in various industries such as steel, textile, and agriculture.	VWC Well No. 9, 25001 Decoro Drive Valencia, CA	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: Yes, not quantified Enhance Water Supply: Yes, not quantified Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: $1.3M-$1.7M O&M Cost: $170k/yr Consistent with Plan Docs: Yes
VWC-2	Implementation of Santa Clarita Valley Water Conservation Strategic Plan	NCWD, SCWD, LACWWD NO. 36, CLWA		Reducing the amount of imported water needed to meet the long term water supply needs of the Santa Clarita Valley is an important goal of the local water purveyors and offers important state-wide benefits. Although water conservation efforts have been on-going, the local water agencies recognize that more needs to be done to eliminate wasteful water use. Implementing conservation programs will require a sustained effort over many years. In order to efficiently organize a comprehensive plan, the water agencies have retained a consultant to prepare a Water Conservation Strategic Plan for the Santa Clarita Valley. The following elements are included in the plan: 1) Specify the conservation planning goals, 2) Develop a customer profile, 3) Develop means of measuring savings, 4) Identify water conservation measures, 5) Analyze costs and benefits, 6) Selection of conservation measures, and 7) Development of an implementation plan. Those programs and measures deemed to be cost-effective will be selected for implementation by the purveyors. The Plan is expected to be completed in early 2008.	Within CLWA service area, Santa Clarita & Unincorporated Los Angeles County, CA	Reduce Water Demand: Up to 13,000 AFY Improve Operational Efficiency: Yes, not quantified Enhance Water Supply: Up to 13,000 AFY Improve Water Quality: NA Promote Resource Stewardship: Yes, not quantified Capital Cost: $1M-$5M O&M Cost: TBD Consistent with Plan Docs: Yes

VWC has been listed as a partner for the following projects:

CLWA-5: Customer Recycled Water Incentive Program

Upper Santa Clara River IRWMP: Candidate and Pending Projects

PENDING PROJECTS

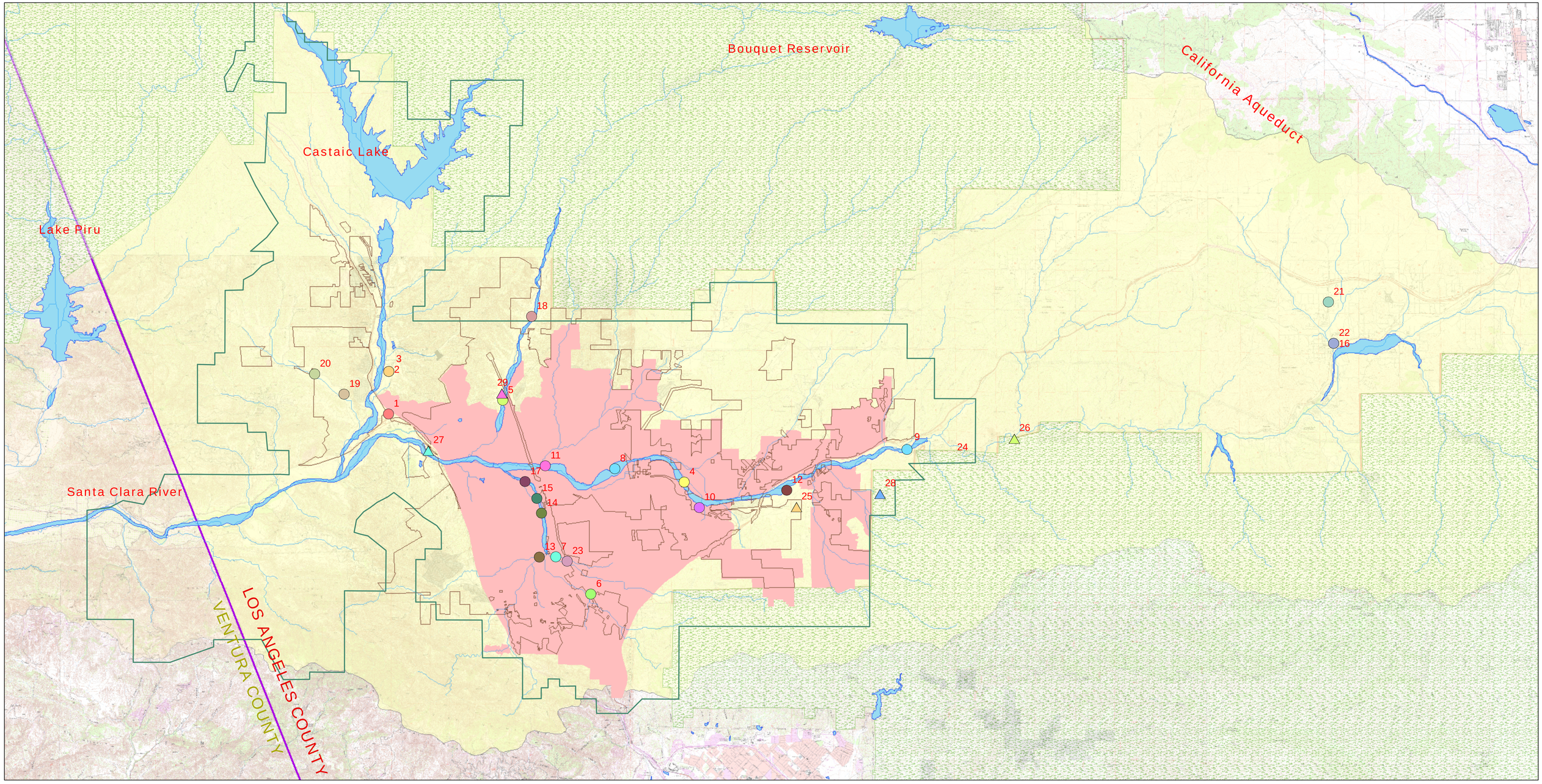
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
City of Santa Clarita Sponsored Projects						
Santa Clarita-2	Water Quality Education Program	None listed	SCVSD-3, CHC-1	Provide coordinated, consistent and clear messages to the general public, youth, and other groups on protecting water quality in the River. Topics include chloride, nutrients, littering, dumping in the storm drain, integrated pest management, best management practices, Enviroscape, demonstration sites and other methods.	Santa Clarita Valley and watershed area	
Community Hiking Club Stewardship Committee (CHC) Sponsored Projects						
CHC-1	Trash Removal and Non-Native Removal in Tributaries to the Santa Clara River	Placerita Nature Center, Friends of the River, Friends of the Inyo, Mountains Recreation Conservation Authority (MRCA)	Santa Clarita-2	The first priority would be to map all invasives and accumulated trash. Although we currently have access to tools, new and updated tools would be desirable. The project will be organized by the Community Hiking Club under the direction of Dianne Erskine-Hellrigel who has organized all past stewardship events. The CHC Stewardship Director, Sylvia Altamirano will assist. Much of the labor force is volunteer, pooled from our membership of 1,200 community members. The organization of each project would be a full time occupation, with the actual clean up and eradication events occurring on the weekends when volunteers are available.	Project would include Placerita Canyon, Elsmere Canyon, Whitney Canyon, East/Rice Canyon, Towsley/Wiley Canyon, Pico Canyon	
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-17	Hasley Canyon Road Watermain, Turnout Connection, and Pump Station	None listed		This project would construct a new turnout, pump station, and 6,900 feet of 16 inch transmission main. The proposed transmission main would run south along The Old Road for 1,100 feet, then run southwest along Hasley Canyon Road for 3,120 feet before branching off into two sections. One section will head in a northwest direction on Hasley Canyon Road for 2,120 ft. The other section will continue south for 530 feet to Industry Drive where the new transmission main will tie into an existing 12-inch water main. Also proposed is the construction of a new pump station along Hasley Canyon Road to boost pressure to District 1598 pressure zone.	LACWWD NO. 36, Val Verde. Along The Old Road, Hasley Canyon Road, and Industry Drive	
LACDPW-18	Replacement of 8-inch Water Main Along Del Valle Road	None listed		The proposed project is to replace 6,900 linear feet of aging 8 inch water main along Del Valle Road from Hasley Canyon Road to Chiquito Canyon Road with a 12 inch pipeline.	LACWWD NO. 36, Val Verde. Along Del Valle Road from Hasley Canyon Road to Chiquito Canyon Road	

PENDING PROJECTS

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles County Department of Public Works (LACDPW) Sponsored Projects						
LACDPW-19	Crown Valley Water Main Replacement	None listed		This project proposes to install approximately 7000 linear feet of 16 inch steel water main to run parallel to the existing water main. The proposed new line would begin with approximately 300 feet along Corey Avenue, connected from Soledad Canyon Road to Crown Valley Road. The main would extend approximately 6700 feet northward along Crown Valley Road and Connect to the 33025 N. Crown Valley Pump Station.	LACWWD NO. 37, Acton. From 33025 N. Crown Valley to intersection with Soledad Canyon	
LACDPW-20	North Tank Pump Station	None listed		This project consists of constructing a new pump station near the intersection of Aliso Canyon and Soledad Canyon to reduce demand on the Crown Valley pump station. The main inlet into the Crown Valley pump station is undersized for the current flow. In addition to a new pump station, a segment of pipe would have to be constructed from the pump station along Soledad Canyon Road to the intersection with the 3483 pressure zone to direct the flow to the North Tank.	LACWWD NO. 37, Acton. Intersection of Soledad Canyon Road and Aliso Canyon Road	
Santa Clarita Organization for Planning and the Environment (SCOPE) Sponsored Projects						
SCOPE-1	Santa Clara River Floodplain Acquisition	Potential partners: LACFCD and or/ The Nature Conservancy	LACDPW-13, RMC-1	Provide flood control by leaving the flood plain in its natural state so that flood waters can spread. Project area would accommodate a recreational area and provide for natural bioremediation to clean urban runoff before it reaches the river. Potential to enhance groundwater recharge.	Any available floodplain lots of the Santa Clara River Eastern reaches from Bouquet Canyon Road to Aqua Dulce identified as acquisition habitat by The Nature Conservancy	
Unsponsored Projects Submitted						
SCOPE-2*	Upper Santa Clara River Recycled Water Sanitation Plant Expansion	Potential partners: SCVSD, LACFCD, Santa Monica Mountains Conservancy (SMMC), Water Agencies	CLWA-1, CLWA-5, SCVSD-2, NCWD-2	Build a small tertiary treatment sanitation facility in the Sand Canyon, Upper Santa Clara River watershed area to treat local residential effluent and then use the recycled water to recharge the upper watershed.	Santa Clara River floodplain north of Sand Canyon	

* This project was submitted by SCOPE, however there is currently no agency willing to sponsor at this time.

- Map Showing Candidate Project Locations



Legend

- 1, CLWA-1Recycled Water Program, Phase II
- 2, CLWA-2 Electrolysis & Volatilization for Bromide Removal & DBP Reduction
- 3, CLWA-3 Feasibility of using Electrolysis & Volatilization for Chloride Removal
- 4, Santa Clarita-3 Discovery Park & Nature Center
- 5, LADPW-1 Lower San Francisquito Spreading Grounds
- 6, LADPW-2 Newhall Creek In-River Spreading Grounds
- 7, LADPW-3 Placerita Creek Off-River Spreading Grounds
- 8, LADPW-4 Santa Clara In-River Spreading Ground No. 1
- 9, LADPW-5 Santa Clara In-River Spreading Ground No. 2
- 10, LADPW-6 Santa Clara Off-River Spreading Ground
- 11, LADPW-7 SCR Rubber Dam No. 1
- 12, LADPW-8 Santa Clara River Spreading Ground
- 13, LADPW-9 South Santa Clara River Rubber Dam No. 1 and Spreading Ground
- 14, LADPW-10 South Santa Clara River Rubber Dam No. 2
- 15, LADPW-11 South Santa Clara River Rubber Dam No. 3
- 16, LADPW-14 Acton Master Drainage Plan
- 17, LADPW-15 South Santa Clara River Rubber Dam No. 4
- 18, LADPW-16 Upper San Francisquito Spreading Grounds
- 19, LADPW-17 Hasley Canyon Road Water Main, Pump Station and Turnout
- 20, LADPW-18 Del Valle Road Water Main
- 21, LADPW-19 Crown Valley Road 16-inch Water Main
- 22, LADPW-20 New Pump Station to North Tank
- 23, NCWD-1 Wellhead Treatment for NC 10
- 24, Not Used
- 25, NCWD-3 Removal of the Sewer Trunk Line from the Santa Clara Riverbed
- 26, RMC-1 Acquisition of River Channel and Major Tributaries for Watershed Protection
- 27, SCVSD-2 Ultraviolet Disinfection System Facilities
- 28, SCWD-2 Consolidation of Water Mutuals
- 29, VWC-1 Water Quality Improvement Program
- CLWA Service Area
- 30, CLWA-4 Large Landscape Efficiency Improvement Program
- 31, CLWA-5 Customer Recycled Water Incentive Program
- 32, Santa Clarita-1 USCR Arundo/Tamarisk Removal Program
- 33, VWC-2 Incentives for Cost-Effective Water Conservation Programs
- Santa Clara River and Tributaries
- 34, CHC-1 Trash and Non-Natives Removal in Tributaries to the Santa Clara River
- 35, LADPW-13 Acquisition of Flood Plain Lands
- 36, SCVSD-1 East Santa Clara River Wetlands and Recycled Water Project
- 37, SCOPE-1 Santa Clara River Floodplain Acquisition
- 38, SCOPE-2 Upper Santa Clara River Recycled Water Sanitation Plant Expansion
- 39, Santa Clarita-2 Water Quality Education Program
- Santa Clarita Valley Sanitation District Service Area
- 40, SCVSD-3 SRWS Public Outreach and Rebate Program
- US Forrest Service Boundary

N W E S

Figure C-1
Upper Santa Clara River
IRWMP Candidate Projects

0 1 2 4 6 Miles

- Candidate Projects and California Water Plan Strategies

IRWMP Project and California Water Plan Strategies

			California Water Plan Strategies																							
			Reduce Water Demand		**Improve Operational Efficiency**			**Increase Water Supply**						**Improve Water Quality**					**Practice Resource Stewardship**							
Project Number	**Project Name**	**Project Description**	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
CLWA-1	Recycled Water Program, Phase II	Planning, design and construction of CLWA's next phase of recycled water improvements.			x	x					x					x				x		x				
CLWA-2	Electrolysis and Volatilization for Bromide Removal & DBP Reduction	Electrolysis of bromide to bromine and volatilization in a single unit process.												x			x									
CLWA-3	Feasibility of Using Electrolysis and Volatilization for Chloride Removal	Electrolysis of chloride to chlorine and then volatilization, either in a single unit process or in two sequential unit processes.						x	x					x	x	x	x									
CLWA-4	Large Landscape Efficiency Improvement Program	Improve efficiency by retrofitting existing systems with water-saving technologies such as soil moisture sensors and ET controllers.		x	x												x	x		x				x		
CLWA-5	Customer Recycled Water Incentive Program	Provide an incentive for the end-user to use recycled water and fund hook-up costs for system expansion.		x							x					x				x						
Santa Clarita-1	Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation	Provide guidance to stakeholders for implementing procedures to remove invasive, non-native plants.	x																		x	x	x	x	x	x
Santa Clarita-2	Water Quality Education Program	Provide coordinated, consistent and clear messages to the general public, youth, and other groups on protecting water quality in the River.															x									x
Santa Clarita-3	Discovery River Park & Conservation Area	Discovery Park and Nature Center includes the development of a 25-acre park with passive recreational uses, LEED-certified nature center, and demonstration garden. The site will include an ecosystem restoration plan with components to provide storm water management and urban runoff-treatment along Santa Clara River.		x											x		x	x			x	x	x	x	x	x

IRWMP Projects and California Water Plan Strategies (cont.)

			California Water Plan Strategies																							
			Reduce Water Demand		Improve Operational Efficiency			Increase Water Supply						Improve Water Quality					Practice Resource Stewardship							
Project Number	Project Name	Project Description	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
CHC-1	Trash Removal and Non-Native Removal in Tributaries to the Santa Clara River	Clean-up of buried trash, surface trash, oil, and other discards in the creeks in and around Santa Clarita.															x	x			x		x	x		x
LACDPW-1	Lower San Francisquito Spreading Grounds	Build recharge facility and diversion, redirect flows, and excavate basins to recharge flows from the river.						x							x			x					x	x		
LACDPW-2	Newhall Creek In-River Spreading Grounds	Excavate to widen the Santa Clara River for an in-river spreading grounds using earthen levees (approximately 5 acres).						x							x			x			x		x	x		
LACDPW-3	Placerita Creek Off-River Spreading Grounds	Build recharge facility and diversion structure and divert flows from creek and SCR South Fork into small spreading basins (approximately 17 acres).						x							x								x	x		
LACDPW-4	Santa Clara In-River Spreading Ground No. 1	Build levees to redirect flows to the outside banks of the Santa Clara River for recharge (approximately 61 acres).						x							x						x		x	x		
LACDPW-5	Santa Clara In-River Spreading Ground No. 2	Build levees to redirect flows to the outside banks of the river for recharge (approximately 18 acres).						x							x								x	x		

IRWMP Projects and California Water Plan Strategies (cont.)

			California Water Plan Strategies																							
			Reduce Water Demand		Improve Operational Efficiency			Increase Water Supply						Improve Water Quality					Practice Resource Stewardship							
Project Number	Project Name	Project Description	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
LACDPW-6	Santa Clara Off-River Spreading Ground	Build recharge facility and diversion and acquire needed property (approximately 53 acres).						x							x								x	x			
LACDPW-7	Santa Clara River Rubber Dam No. 1	Construct drop structure downstream of Bouquet Canyon Road Bridge. Install 400-foot Rubber Dam to pond water for in-river recharge.						x							x			x				x	x	x			
LACDPW-8	Santa Clara River Spreading Ground	Build earthen levees, create a diversion levee, acquire property (approximately 86 acres) and build off-river recharge facility.						x							x								x	x			
LACDPW-9	South Fork Santa Clara River Rubber Dam No. 1 and Spreading Ground	Install 20 foot rubber dam to redirect flows into small spreading grounds.						x							x								x	x			
LACDPW-10	South Fork Santa Clara River Rubber Dam No. 2	Install 450-foot rubber dam located on existing drop structure No. 2						x							x								x	x			
LACDPW-11	South Fork Santa Clara River Rubber Dam No. 3	Install 450-foot rubber dam located on existing drop structure No. 3						x							x								x	x			
LACDPW-12 (LACFCD)	Arundo Removal Throughout the Upper Santa Clara River	Identify and remove critical patches of *Arundo donax* that will maximize the benefit of arundo removal.	x																			x	x	x	x	x	x

IRWMP Projects and California Water Plan Strategies (cont.)

			California Water Plan Strategies																						
			Reduce Water Demand		Improve Operational Efficiency			Increase Water Supply						Improve Water Quality					Practice Resource Stewardship							
Project Number	Project Name	Project Description	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
LACDPW-13	Acquisition of Land in the Flood Plain of the Upper Santa Clara River	Acquire land in the upper Santa Clara River flood plain to restrict future development and restore lands to their natural condition.																x			x	x	x	x		x
LACDPW-14	Acton Master Drainage Plan	Phased development of flood control facilities to mitigate flooding in the Acton community.																x				x	x	x		x
LACDPW-15	South Fork Santa Clara River Rubber Dam No. 4	Install 450-foot Rubber Dam located on existing drop structure under Valencia Blvd. Bridge.						x							x							x	x			
LACDPW-16	Upper San Francisquito Spreading Grounds	Build earthen levees in the river to direct flows to either bank for recharge. Large flows would wash out levees (approximately 54 acres).						x							x							x	x			
LACDPW-17	Hasley Canyon Road Watermain, Turnout Connection, and Pump Station	Construction of a new turnout, pump station, and transmission main			x									x												
LACDPW-18	Replacement of 8-inch Water Main Along Del Valle Road	Replacement of aging water main			x									x												
LACDPW-19	Crown Valley Water Main Replacement	Replacement of approximately 7,000 feet of water main			x									x												
LACDPW-20	North Tank Pump Station	Construction of a new pump station near Aliso Canyon and Soledad Canyon			x									x												

IRWMP Projects and California Water Plan Strategies (cont.)

			California Water Plan Strategies																							
			Reduce Water Demand		Improve Operational Efficiency			Increase Water Supply						Improve Water Quality					Practice Resource Stewardship							
Project Number	Project Name	Project Description	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
NCWD-1	Wellhead Treatment for NC 10	Select and install wellhead treatment for well NC-10 to remove naturally occurring manganese from the water.												x	x		x									
NCWD-3	Removal of the Sewer Trunk Line from the Santa Clara Riverbed	Relocate the sewer trunk line from the Santa Clara Riverbed into the public right-of-way.													x		x						x			
RMC-1	Acquisition of River Channel and Major Tributaries for Watershed Protection	Preserve the natural flood plain of the upper reaches of the river for water conservation and habitat protection.															x				x	x	x		x	x
SCVSD-1	East Santa Clara River Wetlands and Recycled Water Project	Investigate potential impacts of discharging recycled water in eastern Santa Clara River. If studies merit, implement project to discharge water in eastern Santa Clara River.						x			x					x					x	x	x		x	
SCVSD-2	Valencia and Saugus Water Reclamation Plants - Ultraviolet Disinfection System Facilities	A demonstration project showing feasibility of using UV rather than chlorine for disinfection.												x			x									
SCVSD-3	SCVSD Self-Regenerating Water Softeners (SRWS) Public Outreach and Rebate Program	Voluntary rebate program to provide incentive to homeowners to remove 100 percent of existing SRWS.												x			x			x	x					
SCWD-2	Consolidation of Water Mutuals	Consolidate ten small mutual water companies into SCWD.			x									x												

IRWMP Projects and California Water Plan Strategies (cont.)

			California Water Plan Strategies																								
			Reduce Water Demand		Improve Operational Efficiency			Increase Water Supply						Improve Water Quality					Practice Resource Stewardship								
Project Number	Project Name	Project Description	Agricultural Water Use Efficiency	Urban Water Use Efficiency	Conveyance	System Re-operation	Water Transfers	Conjunctive Management and Groundwater Storage	Desalination- brackish/seawater	Precipitation Enhancement	Recycled Municipal Water	Surface Storage -- CALFED	Surface Storage -- Regional/Local	Drinking Water Treatment and Distribution	Groundwater/Aquifer Remediation	Matching Quality to Use	Pollution Prevention	Urban Runoff Management	Agricultural Lands Stewardship	Economic Incentives	Ecosystem Restoration	Floodplain Management	Recharge Areas Protection	Urban Land Use Management	Water-Dependent Recreation	Watershed Management
SCOPE-1	Santa Clara River Floodplain Acquisition	Provide flood control by leaving the flood plain in its natural state. Project area would accommodate a recreational area.																			x	x	x		x	
VWC-1	Water Quality Improvement Program	Construct a 1,000 gallon per minute well head softening demonstration project.		x				x						x	x		x									
VWC-2	Implementation of Santa Clarita Valley Water Conservation Strategic Plan	Provide funding for specific programs evolving from the Valley-wide strategic plan for water conservation.		x																x						
SCOPE-2/No sponsor	Upper Santa Clara River Recycled Water Sanitation Plant Expansion	Build a small tertiary treatment sanitation facility in the Sand Canyon area and use the recycled water to recharge the upper watershed.						x			x					x										

- Project Identification Short-Form

UPPER SANTA CLARA WATERSHED
INTEGRATED REGIONAL WATER MANAGEMENT PLAN
CALL FOR PROJECTS
Project Identification Short Form

Note: This two page project identification short form gathers the minimum amount of information required to submit a project for consideration in the IRWMP. More information may be required at a later date. This form may be printed, filled out by hand and mailed back to Meredith Clement, Kennedy/Jenks Consultants, 1000 Hill Road, Ventura, CA 93003 **OR** electronically filled out and e-mailed BY MAY 22, 2007 to: MeredithClement@kennedyjenks.com.

General Information					
Project Name:					
Project Sponsor:					
If Joint Project, Other Partners:					
Project Website (if available):					
Project Contact Person:	Phone	FAX	Email		
Project Description					
Project Description (1 -2 sentences):					
Project Integration (Describe how the project does or could integrate with other projects in the Region):					
Project Source (Cite Plan(s) to which the project belongs [e.g., Watershed Master Plans, Capital Improvement Plans]):					
Project Location					
Descriptive (Description of property location etc.):					
Latitude/Longitude - info available at: http://geocoder.us/	Lat:		Long:		
Estimated Capital Costs: (Note estimated cost, if known OR check rough estimate):					
Project Cost:		<$100K ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status (Check all that apply):		Conceptual ☐	In-Design ☐	Ready for Construction ☐	CEQA Complete ☐
Estimated Year of Construction:					
Project Benefits					
Water Supply: *New Supply Created (AFY)* (Check one)		☐ 1-100 AF	☐ 100-1000AF	☐ 1000+ AF	
Water Quality	Area Drained: and/or		Volume Treated:		
Public Access, Open Space, Habitat, Recreation (*acres created/restored):*					
Other: *(Describe X amount of benefit)*					

Project Criteria

Please review the project against the Statewide Priorities, Program Preferences, and Water Plan Management Strategies and place a check in the box if the project meets the criteria.

Statewide Priorities

- ☐ Reduce conflict between water users or resolve water rights disputes, including interregional water rights issues
- ☐ Implementation of Total Maximum Daily Loads that are established or under development
- ☐ Implementation of Regional Board (RWQCB) Watershed Management Initiative Chapters, plans and policies
- ☐ Implementation of the SWRCB's Non-point Source (NPS) Pollution Plan
- ☐ Assist in meeting Delta Water Quality Objectives; IRWM Grant Program Guidelines 6
- ☐ Implementation of recommendations of the floodplain management task force, desalination task force, recycling task force, or state species recovery plan
- ☐ Address environmental justice concerns
- ☐ Assist in achieving one or more goals of the CALFED Bay-Delta Program

Program Preferences

- ☐ Include integrated projects with multiple benefits
- ☐ Support and improve local and regional water supply reliability
- ☐ Contribute expeditiously and measurably to the long-term attainment and maintenance of water quality standards
- ☐ Eliminate or significantly reduce pollution in impaired waters and sensitive habitat areas, including areas of special biological significance
- ☐ Include safe drinking water and water quality projects that serve disadvantaged communities

CA Water Plan - Water Management Strategies

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Groundwater Storage
- ☐ Conveyance
- ☐ Desalination
- ☐ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☐ Floodplain Management
- ☐ Groundwater/Aquifer Remediation
- ☐ Matching Water Quality to Water Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Land Use Management
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☐ Watershed Management

- Project Identification Long-Form

Upper Santa Clara River Integrated Regional Water Management Plan

Project Identification – Long Form (Revised September 2007)

To the extent possible this form should be electronically filled out and e-mailed BY OCTOBER 19, 2007 to: MeredithClement@KennedyJenks.com.

Part 1. Lead Implementing Agency/Organizational Information

Please provide the following information regarding the project sponsor and proposed project.

Implementing Agency/ Organization / Individual:

Agency / Organization / Individual Address:

Name:

Title:

Telephone: **Fax:**

Email:

Website:

Project Name:

Either the latitude/longitude or a location description is required. To determine the latitude/longitude, use the closest address or intersection. If the project is linear, use the furthest upstream latitude/longitude.

Project Latitude: **Project Longitude:**

Location Description:	

Possible Partnering and/or Cooperating Agencies:

Agency Name	Address	Contact Name/Phone Number

Project Status (e.g., new, ongoing, expansion, new phase):

Part 2. Project Need

It is important to understand the need(s) or issue(s) that the proposed project will address and the benefits that it will provide. Information provided in this section defines the need(s) or issue(s) that the proposed project will address and will help to catalog existing need(s) or issue(s) in the Upper Santa Clara River Watershed Region.

Please provide a one paragraph description of the need(s) or problem(s) that the project will address. As applicable, discuss the water supply need, operational efficiency need, water quality need, or resource stewardship need (e.g. ecosystem restoration, floodplain management) need. Discuss critical impacts that will occur if the proposal is not implemented.

Part 3. Project Description

A general description of the proposed project is needed. This section will provide information associated with the project concept, general project information, and readiness to proceed. It is recognized that much of the requested information may not be available for projects that are at a conceptual level of project development. We appreciate and need your ideas.

Please provide a one paragraph description of the project including the general project concept, what will be constructed/implemented, how the constructed project will function, and treatment methods, as appropriate.*

If applicable, list surface water bodies and groundwater basins associated with the proposed project:

•
•
•
•

Please identify up to three available documents which contain information specific to the proposed project:

•
•
•

Please indicate California Water Plan strategies addressed by the proposed project and provide written descriptions where indicated. (Check all that apply)

Reduce Water Demand	
☐ Primary ☐ Secondary ☐ NA	Agricultural Water Use Efficiency
☐ Primary ☐ Secondary ☐ NA	Urban Water Use Efficiency
☐ Primary ☐ Secondary ☐ NA	Other (Please State):_____

Describe how the project contributes toward meeting the objective **Reduce Water Demand:**	
Describe how the project's contribution toward meeting the **Reduce Water Demand** objective could be measured:	
Please **quantify** to what extent the project would meet the objective measures of:	
• Ten (10) percent overall reduction in projected urban water demand throughout the Region by 2030 through implementation of water conservation measures.	Quantify:
• Replace up to 4,300 outdated water meters per year.	Quantify:

Improve Operational Efficiency and Transfers	
☐ Primary ☐ Secondary ☐ NA	Conveyance
☐ Primary ☐ Secondary ☐ NA	System Reoperation
☐ Primary ☐ Secondary ☐ NA	Transfers
☐ Primary ☐ Secondary ☐ NA	Other (Please State):_____

Describe how the project contributes toward meeting the objective **Improve Operational Efficiency**:	
Describe how the project's contribution toward meeting the **Improve Operational Efficiency** could be measured:	
Please **quantify** to what extent the project would meet the objective measures of:	
• Perform electrical audit on all wholesale and purveyor water facilities once every five years.	Quantify:
• Reduce, on an agency-by-agency basis, energy use per acre-foot treated and delivered.	Quantify:

Increase Water Supply	
☐ Primary ☐ Secondary ☐ NA	Conjunctive Management and Groundwater Storage
☐ Primary ☐ Secondary ☐ NA	Desalination – brackish/seawater
☐ Primary ☐ Secondary ☐ NA	Precipitation Enhancement
☐ Primary ☐ Secondary ☐ NA	Recycled Municipal Water
☐ Primary ☐ Secondary ☐ NA	Reduced Reliance on Imported Water
☐ Primary ☐ Secondary ☐ NA	Other (Please State): _____

Describe how the project contributes toward meeting the objective **Increase Water Supply**:	
Describe how the project's contribution toward meeting the **Increase Water Supply** objective could be measured:	
Please **quantify** to what extent the project would meet the objective measures of:	
• Increase use of recycled water by up to 17,400 afy by 2030, consistent with health and environmental requirements.	Quantify:
• Implement long-term transfer and exchange agreements for imported water with other water agencies, up to 4,000 afy by year 2010 and 11,000 afy by year 2030.	Quantify:
• Increase water supply as necessary to meet anticipated peak demands at buildout in the LA County Waterworks District #37 service area (~0.74 mgd) and peak demands at buildout in the Acton and Agua Dulce areas (up to 12.16 mgd).	Quantify:

Improve Water Quality	
☐ Primary ☐ Secondary ☐ NA	Drinking Water Treatment and Distribution
☐ Primary ☐ Secondary ☐ NA	Groundwater/Aquifer Remediation
☐ Primary ☐ Secondary ☐ NA	Matching Quality to Use
☐ Primary ☐ Secondary ☐ NA	Pollution Prevention
☐ Primary ☐ Secondary ☐ NA	Urban Runoff Management
☐ Primary ☐ Secondary ☐ NA	Other (Please State) _____

Describe how the project contributes toward meeting the objective **Improve Water Quality**:	
Describe how the project's contribution toward meeting the **Improve Water Quality** objective could be measured:	
Please **quantify** to what extent the project would meet the objective measures of:	
• Meet all drinking water standards.	Quantify:
• Prevent migration of contaminant plumes.	Quantify:
• Comply with existing and future Total Maximum Daily Loads.	Quantify:

Promote Resource Stewardship	
☐ Primary ☐ Secondary ☐ NA	Agricultural Lands Stewardship
☐ Primary ☐ Secondary ☐ NA	Economic Incentives (loans, grants, water pricing)
☐ Primary ☐ Secondary ☐ NA	Ecosystem Restoration
☐ Primary ☐ Secondary ☐ NA	Floodplain Management
☐ Primary ☐ Secondary ☐ NA	Recharge Areas Protection
☐ Primary ☐ Secondary ☐ NA	Urban Land Use Management
☐ Primary ☐ Secondary ☐ NA	Water-Dependent Recreation
☐ Primary ☐ Secondary ☐ NA	Watershed Management
☐ Primary ☐ Secondary ☐ NA	Other (Please State): ____

Describe how the project contributes toward meeting the objective **Promote Resource Stewardship**:	
Describe how the project's contribution toward meeting the **Promote Resource Stewardship** objective could be measured:	
Please **quantify** to what extent the project would meet the objective measures of:	
• Remove the following non-native species from the Santa Clara River and its 500-year floodplain. 1. Santa Clara River-Angeles Forest Highway to Acton, 2.5 acres tamarisk 2. Santa Clara River-Acton to Spring Canyon, 111 acres arundo, 30 acres tamarisk 3. Santa Clara River-Spring Canyon to Sand Canyon, 70 acres arundo, 21 acres tamarisk 4. Santa Clara River-Sand Canyon to Bouquet Canyon, 98 acres, 202 acres tamarisk 5. Santa Clara River-Bouquet Canyon to Ventura County Line, 464 acres arundo, 190 acres tamarisk	Quantify:

• Acquire acreage or conservation easements for 10,900 acres of remaining proposed South Coast Missing Linkage.	Quantify:
• Acquire 12 miles along the Santa Clara River for development as a recreational trail/park corridor.	Quantify:
• Purchase private property from willing sellers in the 100-year floodplain.	Quantify:

Is the proposed project an element or phase of a regional or larger program?	☐ Yes ☐ No
If yes, please identify the program	_____
Proposed Construction/Implementation Start Date:	_____
Proposed Construction/Implementation Completion Date	_____
Ready for Construction Bid	☐ **Yes** ☐ **No** ☐ **NA**

Item	Status (e.g., not initiated, in process, complete, not applicable)	Date Available
Conceptual Plans	_____	_____ **(mm/dd/yyyy)**
Land Acquisition/ Easements	_____	_____ **(mm/dd/yyyy)**
Preliminary Plans	_____	_____ **(mm/dd/yyyy)**
CEQA/NEPA	_____	_____ **(mm/dd/yyyy)**
Permits	_____	_____ **(mm/dd/yyyy)**
Construction Drawings	_____	_____ **(mm/dd/yyyy)**
Funding	_____	_____ **(mm/dd/yyyy)**

For projects that do not include construction, please briefly describe the project readiness-to proceed.

Part 4. Project Benefits

Please provide a one paragraph description of the benefit(s) that the project will address. Information provided will be used in the assessment of project benefits.

Please describe the dominant existing land use type for the proposed project location.

Please describe the dominant existing land use type for areas upstream and downstream of the proposed project location
Upstream:
Downstream:

Does the project address any known environmental justice issues?		
☐ **Yes**	☐ **No**	☐ **Not Sure**

Is the project located within or adjacent to a disadvantaged community?		
☐ **Yes**	☐ **No**	☐ **Not Sure**

Does the project include disadvantaged community participation?		
☐ **Yes**	☐ **No**	☐ **Not Sure**
If yes, please identify the group or organization: _____		

Please provide the following project benefit information for all applicable components of the proposed project. Benefit categories include things such as water quality / flood management, water supply, and resource stewardship. PLEASE ATTEMPT TO SUPPLY ALL INFORMATION RELEVANT TO YOUR PROJECT. THIS INFORMATION WILL BE USED TO ANALYZE AND ASSESS PROJECT FOR FUTURE FUNDING.

WATER QUALITY BENEFITS / FLOOD MANAGEMENT BENEFITS

Water Quality Benefit Information	
Treatment technologies	_____
Design operational treatment capacity (million gallons/day)	_____
Targeted Contaminants (Check all that apply):	
☐ Chloride ☐ Nitrogen Compounds ☐ Coliform Bacteria ☐ Other (describe): _____	
Flood Management Benefit Information	
Maximum volume of temporary storage of storm runoff (acre-feet)	_____
Maximum increased conveyance capacity (cubic feet/second)	_____
Estimated area benefiting from flood damage reduction (acres)	_____
Estimated level of flood protection resulting from project implementation	_____
Estimated annual value of flood damage reduction provided by project ($/year)	_____
Acreage required for project implementation	_____

WATER SUPPLY BENEFITS
Project information provided will help to quantify water supply benefits from enhanced local water supply or reduced potable water demand.

Enhanced Water Supply or Demand Reduction Benefit Information		
Source of Increased Supply or Demand Reduction		
☐ Groundwater	☐ Groundwater treatment	☐ Increased surface water storage
☐ Recycled water	☐ Conservation/ water use efficiency	☐ Ocean desalination
☐ Transfer	☐ Other (describe): _____	
Type of enhanced supply or demand reduction: _____		
Annual Yield of Supply (acre-feet): _____		
Availability by Water-Year Type (acre-feet per year):		
Average Year _____		
Dry Year _____		
Wet Year _____		
Availability by Season (check all that apply):		
☐ Summer	☐ Fall	☐ Spring ☐ Winter
Does the project have the potential to displace demands on the Bay/Delta/Estuary?		
☐ Yes	☐ No	☐ Not Sure

For projects that include detention and groundwater recharge, please complete the following:

How many acres of land drain into this detention basin? (acres)	_____
Detention Basin area (acres)	_____
Detention basin max. operational depth (ft.)	_____
% of basin covered by wetlands	_____
Soil type	_____
If other than infiltration, identify method (e.g., injection) and recharge (acre-feet/year)	_____
Estimated basin annual inflow (acre-feet/year)	_____
Estimated basin annual outflow (acre-feet/year)	_____

RESOURCE STEWARDSHIP BENEFITS
Project information provided will help to quantify the benefits associated with projects related to resource stewardship and land management.

Non-treatment wetland area (acres)	_____
Treatment wetland area (acres)	_____
Riparian habitat area (acres)	_____
Non-developed open space area (acres)	_____
Multiple use/ recreation area (acres) – additionally, select the type of multiple use / recreation and associated acres by type:	
Single Sport Athletics	_____
Multiple Sport Athletics Acres	_____
Other Recreation Acres	_____
Pedestrian Trail Acres	_____
Equestrian Trail Acres	_____
Other Passive Activity	_____
Other Acres (describe)	_____
Description	_____
Total Project area (acres)	_____

Part 5. Project Cost Estimate

Project cost information is needed to assist in comparing benefits and cost. Additionally, knowledge of the project type and cost will assist in identifying funding sources for potential projects.

Please indicate the estimated total capital coast for project implementation. These costs include land purchase/easement, planning/design/engineering, construction/ implementation, environmental compliance, administration, and contingency.

Lower estimated total capital cost ($): _____

Upper estimated total capital cost ($): _____

Of the total capital cost, please indicate the estimated cost for land purchase / easement ($):

_____

Annual Operation and Maintenance Cost ($): _____

Does your organization have a mechanism or other means to cover O&M for the life of project? Please describe: _____

Design Life of Project (years): _____

By June 2008, will there be enough information on the project to identify specific work items (e.g., pilot testing, construction) and their estimated cost?

Identify proposed funding sources:
•
•
•
•

What percent matching funding will be provided? (at least 10% is required):

Part 6. Other Topics

Is the project sponsor eligible to receive grant funds? (please check one of the following):	
☐ Public Agency	☐ 501(c)3, 501(c)4, or 501(c)5 Non-Profit

Can the project be completed during the life of a grant? (~3.5 years)	☐ Yes
	☐ No

Name the applicable Urban Water Management Plan for the area where the project will be implemented:	
Does the project affect or utilize groundwater? If yes, please name the applicable AB3030 Groundwater Management Plan for the area where the project would affect or utilize groundwater (e.g., the CLWA area is covered by the Groundwater Management Plan for the Santa Clara River Valley Groundwater Basin, East Subbasin).	