	PROJECTS READY FOR PRIORITIZATION PROCESS								
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs			
Castaic Lake	e Water Agency (CLWA) Sponsored Pro	ojects							
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: NA 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 prohibitative for large scale water treatment. The Castaic Lake Water Agency (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 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 by-products which bromide causes.	CLWA Rio Vista Treatment Plant, Santa Clarita, CA	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: ~20,000 gal/day 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 R	READY FOR PRIORITIZATION PROCES	S				
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs			
Castaic Lake	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		Chloride is a non-volatile anion found in all natural waters. Removing chloride using existing technologies is cost prohibitative 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 valley.	CLWA Rio Vista Treatment Plant	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: ~20,000 gal/day treated Improve Water Quality: Yes 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% Improve Operational Efficiency: Yes, 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-\$1000/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 (submitted by VWC)	Customer Recycled Water Incentive Program	NCWD, LA 36, SCWD, VWC, SCVSD	CLWA-1	The Castaic Lake Water Agency (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: Yes, increase recycled water use by 1600 AFY Improve Water Quality: NA Promote Resource Stewardship: NA Capital Cost: \$1M-\$10M O&M Cost: \$100K/yr Consistent with Plan Docs: Yes				
CLWA is listed	l as a partner for the following project	s:								

WA 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-Generating Water Softeners (SRWS) Public Outreach and Rebate Program

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

City of Santa C	Clarita Sponsored Projects					
Santa Clarita-1	Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation	Ventura County RCD, LADPW, Angeles National Forest	Former separate projects LADPW-12 and USFS-1 have been combined with Santa Clarita-1.	The Ventura County Resource Conservation District (VCRCD) is implementing an environmentally beneficial project in the upper Santa Clara River watershed including its tributaries (~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.	Approx. 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: Yes, 7773 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-2, Santa Clarita-1	This project will capture 100% 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 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: 25,000/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-Generating Water Softeners (SRWS) Public Outreach and Rebate Program

Los Angeles (County Department of Public Works (I Lower San Francisquito Spreading Grounds	LADPW) Sponsored Project LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	This project consists of building a recharge facility and diversion. Flows will be redirected to the west bank and to the property adjacent to 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 be removed regularly.	Upstream of Decoro Drive, north bank	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: Yes, 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 47 acre in the floodplain Capital Cost: \$3M-\$6M O&M Cost: \$25,000/yr
						Consistent with Plan Docs: unknown

			PROJECTS R	EADY FOR PRIORITIZATION PROCES	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles	County Department of Public Works (I	ADPW) Sponsored Proj	ects			
LADPW-2	Newhall Creek In-River Spreading Grounds	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	The In-River Newhall Creek 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 SCR South Fork	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 1-100 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 5 acres in floodplain Capital Cost: \$2M-\$5M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-3	Placerita Creek Off-River Spreading Grounds	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	The Off-River Placerita Creek 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 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 SCR South Fork	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 17 acres of floodplain Capital Cost: \$3M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-4	Santa Clara In-River Spreading Ground No. 1	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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 acre-feet of storage and water conservation benefit of 550 acre-feet. 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 Ln. and Soledad St. upstream and downstream of Conveyer Belt	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 61 acres in floodplain Capital Cost: \$4M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown

			PROJECTS R	EADY FOR PRIORITIZATION PROCESS	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles	County Department of Public Works	(LADPW) Sponsored Pro	jects			
LADPW-5	Santa Clara In-River Spreading Ground No. 2	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 18 acres in floodplain Capital Cost: \$2M-\$5M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-6	Santa Clara Off-River Spreading Ground	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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 streamflow 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 acre-feet. Passive recreation and habitat restoration could be incorporated into the design of the facility.	Upstream of Whites Canyon Road, crossing on SCR	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, 53 acres in floodplain Capital Cost: \$4M-\$7M O&M Cost: \$25,000/yr
LADPW-7	SCR Rubber Dam No. 1	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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 nostrum 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.	SCR, Bouquet Canyon Road Bridge	Consistent with Plan Docs: unknown Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$5M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown

			PROJECTS RI	EADY FOR PRIORITIZATION PROCESS	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles (County Department of Public Works (L	ADPW) Sponsored Project	cts			
LADPW-8	Santa Clara River Spreading Ground	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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.	SCR between 14 FWY and Sand Canyon Road	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-2000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$7M-\$10M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-9	South Santa Clara River Rubber Dam No. 1 and Spreading Ground	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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 Ave, adjacent to Santa Clara River South Fork	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$5M-\$9M O&M Cost: \$50,000/yr Consistent with Plan Docs: unknown
LADPW-10	South Santa Clara River Rubber Dam No. 2	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$5M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown

			PROJECTS RI	EADY FOR PRIORITIZATION PROCESS	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Los Angeles (County Department of Public Works (L	ADPW) Sponsored Project	ts			
LADPW-11	South Santa Clara River Rubber Dam No. 3	LACFCD	LADPW 1 - LADPW 11 and LADPW 15- 16 are related	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	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$5M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-13	Acquisition of Land in the Flood Plain of the Upper Santa Clara River	None listed	RMC-1, SCOPE-1	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	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
LADPW-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	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

	Drainat Nama	Partners	Related Projects	Description	Location	Benefits and Costs
T A 1	Project Name			Description	Location	Benefits and Costs
Los Angeles	County Department of Public Works (LADPW) Sponsored Pro	jects			
LADPW-15	South Santa Clara River Rubber Dam No. 4	LACFCD	LADPW 1 - LADPW 11 and LADPW 16 are related	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.	SCR South Fork, Valencia Blvd. Bridge	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-1000 AFY Improve Water Quality: Yes, not quantified Promote Resource Stewardship: Yes, not quantified Capital Cost: \$5M-\$7M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown
LADPW-16	Upper San Francisquito Spreading Grounds	LACFCD	LADPW 1 - LADPW 11 and LADPW 15 are related	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	Reduce Water Demand: NA Improve Operational Efficiency: NA Enhance Water Supply: 100-2000 AFY Improve Water Quality: Yes, not quantifie Promote Resource Stewardship: Yes, 54 ac within floodplain Capital Cost: \$3M-\$6M O&M Cost: \$25,000/yr Consistent with Plan Docs: unknown

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

Newhall Co u NCWD-1	wellhead Treatment for NC 10	ed Projects 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 parts per billion and 300 parts per billion respectively. In February of 2005 an iron and manganese removal feasibility study was completed for Newhall Well No. 10 by Carollo Engineers. The study found that there were treatment options that could bring Iron levels below 100ppb 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.	Reduce Water Demand: NA Improve Operational Efficiency: Yes, reduce demand by 870 AFY Enhance Water Supply: Yes, 870 AFY would be made available to NCWD (Newhall) Improve Water Quality: Yes, manganese levels below secondary MCL of 50 ppb; iron levels
					below secondary MCL of 30 ppb; from 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 R	EADY FOR PRIORITIZATION PROCESS	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Newhall Cou	inty Water District (NCWD) Sponsore	d Projects				
NCWD-3	Removal of the sewer trunk line from the Santa Clara riverbed ted as partner for the following project CLWA-5: Customer Recycled Water SCWD-2: Consolidation of Water M	Incentive Program utuals		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 4881 linear feet of 15-, 18-, 21-, and 24-inch sewer pipe.	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. The relocation of the sewer would prevent the discharge of untreated sewerage directly into the Santa Clara River as a result of storm damage.	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
	VWC-2: Implementation of Santa Cla	ırıta Valley Water Conservatic	n Strategic Plan			
Rivers and M	Iountains Conservancy (RMC) Sponso	red Projects				
RMC-1	Acquisition of river channel and major tributaries for watershed protection	Santa Monica Mountains Conservancy, Nature Conservancy	SCOPE-1, LADPW-13	The purpose of this project is to preserve the natural flood plain of the upper reaches of the river for water conservation and habitat protection; preservation of recharge capacity, preservation of habitat values, protection from flooding, protection from pollution, 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/acre-\$10K/acre O&M Cost: TBD Consistent with Plan Docs: Yes

			PROJECTS R	EADY FOR PRIORITIZATION PROCES	S				
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs			
Santa Clara 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 Newhall County Water District and Santa Clarita Water Division 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)	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.	Santa Clarita - Valencia Water Reclamation Plant and Saugus Water Reclamation Plant	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Yes, 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			

	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
ta Clara V	Valley Sanitation District (SCVSD) Spor	nsored Projects				
CVSD-3	SCVSD Self-Generating 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 Senate Bill 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 SB475, assuming it passes in a referendum as required under SB475, rebate amounts will be reduced by one quarter.	SCVSD's service area	Reduce Water Demand: Yes, not quantified Improve Operational Efficiency: NA Enhance Water Supply: Yes, up to 17,000 A 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 CA D

CA Department of Health 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 assure 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.

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: NA?

Consistent with Plan Docs: unknown

Reduce Water Demand: NA

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 R	EADY FOR PRIORITIZATION PROCESS	S	
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Valencia Wa	ter Company 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 ~ 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 91355	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: \$170,000/yr Consistent with Plan Docs: Yes
VWC-2	Implementation of Santa Clarita Valley Water Conservation Strategic Plan	NCWD, SCWD, LACWWD 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	Reduce Water Demand: Yes, up to 13,000 AFY Improve Operational Efficiency: Yes, not quantified Enhance Water Supply: Yes, 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

			PENI	DING FURTHER DEVELOPMENT		
	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 E	Trash removal and non-native	Placerita Nature Center;	Santa Clarita-2	The first priority would be to map all invasives and accumulated trash.	Project would include Placerita	
	removal in tributaries to the Santa Clara River	Friends of the River; Friends of the Inyo; MRCA		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 1200 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.	Canyon, Elsmere Canyon, Whitney Canyon, East/Rice Canyon, Towsley/Wiley Canyon, Pico Canyon	
Los Angeles C	County Department of Public Works (l	LADPW) Sponsored Projec	ts			
LADPW-17	Hasley Canyon Road Water Main, Pump Station and Turnout	None listed		The project consists of the addition of a new turnout with the Castaic Lake Water Agency (CLWA), a new booster pump station and the installation of 6900 linear feet of 16-inch water main along Hasley Canyon Road.	The proposed water main will run south along The Old Road for 1100 feet, then southwest along Hasley Canyon Road for 3150 ft. The water main will then branch off into two sections. Once section will run northeast along Hasley Canyon Rd. for 2120 ft. and the other section will continue south for 530 ft. to Industry Dr. where it will tie into an existing 12-inch water main.	

			PEND	ING FURTHER DEVELOPMENT		
	Project Name	Partners	Related Projects	Description	Location	Benefits and Costs
Angeles (County Department of Public Works (LADPW) Sponsored Project	ts			
ADPW-18	Del Valle Road Water Main	None listed		Replace Approximately 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.	The proposed water main will be installed within the right of way of Del Valle Road from Hasley Canyon Road to Chiquito Canyon Road.	
ADPW-19	Crown Valley Road 16-inch Water Main	None listed		The project consists of installing approximately 7000 linear feet of 16-inch diameter water main along Crown Valley Road from Soledad Canyon Road to approx. 33025 N. Crown Valley Rd.	The proposed water main would be installed along Corey Avenue for approximately 300 feet, then north approx. 6700 feet along Crown Valley Road.	
ADPW-20	New Pump Station to North Tank	None listed		Construct a new booster pump station to reduce the demand on the Crown Valley Pump Station.	The new pump house and discharge piping would be constructed between the 2999 pressure zone and the 3483 pressure zone in Acton.	
CODE Saca	aged Designts					
_	sored Projects	D 1	LADDW/42 DMC4	Described and accomplished and the first transfer of the first tra	A 111 (1 1 1 1 1 C.1	
SCOPE-1	Santa Clara River Floodplain Acquisition	Potential partners: County Flood Control and or/ The Nature Conservancy (TNC)	LADPW-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 flood plain lots of the Santa Clara River eastern reaches from Bouquet Canyon Rd. to Aqua Dulce identified as acquisition habitat by the TNC report	
Jnsponsored	Projects Submitted					
SCOPE-2	Upper Santa Clara River Recycled Water Sanitation Plant Expansion	Potential partners: SCVSD, County Flood Control, 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 flood plain north of Sand Canyon	
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