



Primary	Efficiency - Recycling- Water Supply Enhancement	910	transmission and distribution system southerly to supply recycled water to additional customers as well as to potentially supply a source of recycled water to adjacent agencies. The Project includes the planning, designing, and construction of "Phase 2C" of the Recycled Water Master Plan recycled water improvements to include, but not be limited to, various recycled water pipelines and pumping stations.
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**Budget**

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="6513500"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="4530000"/>
Total Project Cost	<input type="text" value="11043500"/>

**Geographic Information**

Latitude DD(+/-)	<input type="text" value="34"/>	MM	<input type="text" value="26"/>	SS	<input type="text" value="3"/>
Longitude DD(+/-)	<input type="text" value="-118"/>	MM	<input type="text" value="31"/>	SS	<input type="text" value="1"/>
Longitude/Latitude Clarification	<input type="text"/>	Location			<input type="text" value="Santa Clarita Valley"/>

County	Los Angeles
Ground Water Basin	Acton Valley,Santa Clara River Valley-Santa Clara River Valley East
Hydrologic Region	South Coast
WaterShed	Upper Santa Clara River

**Legislative Information**

Assembly District	38th Assembly District
Senate District	17th Senate District,19th Senate District
US Congressional District	District 25 (CA)

**Project Information**

**Project Benefits Information**

Project Name

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Best Mgt. Practices- Water Supply Enhancement	613	This project will implement four conservation implementation programs contained in the Santa Clarita Valley Water Use Efficiency Plan designed to effectively reduce per capita water use in the Santa Clarita Valley in order to help meet the newly passed State legislation calling for progress towards a 20 percent reduction water use by 2020. The four programs being implemented by this project are the Residential Landscape Program, the Large Landscape Program, the Commercial/Industrial/Institutional Program, and the High Efficiency Toilet Program.

**Budget**

Other Contribution	0
Local Contribution	979000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	979000
Total Project Cost	1958000

**Geographic Information**

Latitude DD(+/-)	34	MM 26	SS 3
Longitude DD(+/-)	118	MM 31	SS 1
Longitude/Latitude Clarification		Location	

Santa Clarita Valley

County	Los Angeles
Ground Water Basin	Acton Valley,Santa Clara River Valley-Santa Clara River Valley East
Hydrologic Region	South Coast
WaterShed	Upper Santa Clara River

**Legislative Information**

Assembly District	38th Assembly District
Senate District	17th Senate District, 19th Senate District
US Congressional District	District 25 (CA)

**Project Information**

**Project Benefits Information**

Project Name Santa Clara River-Sewer Trunk Line Reloc

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Watershed Protection-Other	0	The project is the design and engineering necessary to safely relocate an exposed sewer trunk line out of the Santa Clara riverbed, into the public right-of-way. NCWD has owned and operated this Sewer Trunk Line since the late 1960's. NCWD has previously combated sewer trunk line breakage by preventative maintenance and proactive responses. Nevertheless, the threat of an accidental release has become increasingly evident and relocation of the Sewer Trunk Line out of the riverbed is now a priority. Within Phase I, NCWD will plan, design, and engineer the safe relocation of the sewer trunk line.
Secondary	Water Storage -- Groundwater-Recharge area protected	0	

**Budget**

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	240000

Total Project Cost

**Geographic Information**

Latitude DD(+/-)  MM  SS

Longitude DD(+/-)  MM  SS

Longitude/Latitude Clarification  Location

County	Los Angeles
Ground Water Basin	Acton Valley,Santa Clara River Valley-Santa Clara River Valley East
Hydrologic Region	South Coast
WaterShed	Upper Santa Clara River

**Legislative Information**

Assembly District	38th Assembly District
Senate District	17th Senate District,19th Senate District
US Congressional District	District 25 (CA)

**Project Information**

**Project Benefits Information**

Project Name

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Quality Treatment Technology	350000	CLWA has developed a technology that can remove bromide from source water. Bromide is a non-volatile anion found in al natural waters. Removing bromide using existing technologies is cost prohibitive for large scale water treatment. The project is the construction of a pilot plant which would demonstrate the technology which improves drinking water quality and allows for disinfectant treatment flexibility. The pilot plant would increase the size of an experimental treatment process shown to be effective at both removing bromide and reducing the concentrations of brominated disinfections byproducts which bromide causes.

**Budget**

Other Contribution

Local Contribution

Federal Contribution

Inkind Contribution

Amount Requested

Total Project Cost

**Geographic Information**

Latitude DD(+/-)  MM  SS

Longitude DD(+/-)  MM  SS

Longitude/Latitude Clarification  Location

County	Los Angeles
Ground Water Basin	Acton Valley,Santa Clara River Valley-Santa Clara River Valley East
Hydrologic Region	South Coast
WaterShed	

Upper Santa Clara River

**Legislative Information**

Assembly District	38th Assembly District
Senate District	17th Senate District, 19th Senate District
US Congressional District	District 25 (CA)

**Project Information**

**Project Benefits Information**

Project Name

Santa Clara River, San Francisquito Creek Arundo and T

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Environmental Restoration	0	The project is the restoration removal of non-native arundo (Arundo donax) and tamarisk (Tamarix spp.) within the Upper Santa Clara River watershed in order return the area to its natural hydrologic capacity. Restoration of riparian habitat will result in an increase of water quantity, improvement of water quality, and a reduction of flood/wildfire hazard through the removal of these invasive plant species, some of which have colonized in large extents in the watershed.

**Budget**

Other Contribution	0
Local Contribution	0
Federal Contribution	60000
Inkind Contribution	0
Amount Requested	666449
Total Project Cost	726449

**Geographic Information**

Latitude DD(+/-)	34	MM 26	SS 3
Longitude DD(+/-)	-118	MM 31	SS 1
Longitude/Latitude Clarification		Location	Santa Clarita Valley

County	Los Angeles
Ground Water Basin	Acton Valley, Santa Clara River Valley-Santa Clara River Valley East
Hydrologic Region	South Coast
WaterShed	Upper Santa Clara River

**Legislative Information**

Assembly District	38th Assembly District
Senate District	17th Senate District, 19th Senate District
US Congressional District	District 25 (CA)

**Section : Applicant Information and Question's Tab**

APPLICANT INFORMATION AND QUESTION'S TAB

**01. PROPOSAL DESCRIPTION**

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

This Proposal is aimed at increasing the water supply reliability and decreasing dependence on imported water supplies within the Upper Santa Clara River IRWMP Region by increasing conservation, decreasing demand, using recycled water, restoring natural resources and improving water quality. All of the projects being proposed in this grant application have the potential to beneficially impact the region through these water supply, water quality and natural resource improvements. They are: Santa Clarita Valley Water Use Efficiency Plan Programs (CLWA-4), Removal of Sewer Trunk Line from Santa Clara Riverbed (NCWD-3), Santa Clarita Valley Southern End Recycled Water Project (VWC-1), Electrolysis and Volatilization for Bromide Removal and BDP Reduction (CLWA-2), and Santa Clara River, San Francisquito Creek Arundo and Tamarisk Removal Project (City Santa Clarita-1/USFS-1).

## Q2. PROJECT DIRECTOR

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

Dan Masnada, General Manager Castaic Lake Water Agency 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Email: dmasnada@clwa.org Phone: (661) 297-1600 Fax: (661) 297-1611

## Q3. PROJECT MANAGEMENT

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

Jeff Ford, Principal Water Resources Planner Castaic Lake Water Agency 27234 Bouquet Canyon Road Santa Clarita, CA 91350 jford@clwa.org Phone: (661) 513-1281 Fax: (661) 513-1202

## Q4. APPLICANT INFORMATION

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

Castaic Lake Water Agency 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone: (661) 513-1281 Fax: (661) 513-1202

## Q5. ADDITIONAL INFORMATION

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

[http://www.water.ca.gov/irwm/integregio\\_fundingarea.cfm](http://www.water.ca.gov/irwm/integregio_fundingarea.cfm)

Los Angeles-Ventura Funding Area

## Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

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

[http://www.waterboards.ca.gov/waterboards\\_map.shtml](http://www.waterboards.ca.gov/waterboards_map.shtml)

Los Angeles Regional Water Quality Control Board (#4)

## Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The total funding match for the five projects proposed in the application is 50.4%.

## Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

Yes, Upper Santa Clara River IRWMP Region

## Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

a)  Yes

b)  No

## Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

CLWA, Newhall County Water District (NCWD), and the Valencia Water Company (VWC) are the Urban Water Suppliers that will receive funding from this Implementation Grant. As such, Self-Certification forms for documenting compliance with CWC §525 for Water Meter Installation and AB 1420 for Best Management Practice implementation are provided for NCWD and VWC. CLWA provided this documentation with the prior Proposition 84 IRWM Planning Grant application in September 2010. A copy of the compliance letter sent to the Agency from DWR is provided as documentation (see Attachment 13 of this Application).

## Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

CLWA's Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), Valencia Water Company (VWC), and Los Angeles County Waterworks District No. 36 (LACWWD #36). Per DWR staff, the plan was reviewed and deemed lacking one data item, which was not submitted to DWR due to legal challenges to the UWMP and Endangered Species Act permitting affecting SWP Reliability. Litigation has been resolved, and official completion status is pending final DWR review of the plan after this data item is submitted, which occurred in October. CLWA is currently preparing its 2010 UWMP update which will continue to include the four local water purveyors: SCWD, NCWD, VWC, and LACWWD #36. CLWA will submit the completed plan to DWR by the wholesaler deadline of July 1, 2011.

**Q12. ELIGIBILITY**

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section III.B of the Guidelines for additional information.

CLWA submitted AB1420 compliance documentation with its Proposition 84 IRWM Planning Grant application in September 2010. A copy of the compliance letter DWR sent to the Agency is provided as documentation (see Attachment 13 of this Application).

**Q13. ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

All of the projects being proposed in this grant application have the potential to beneficially impact the regions groundwater through water supply, natural resource and water quality improvements. They are: Santa Clarita Valley Water Use Efficiency Plan Programs (CLWA-4), Removal of Sewer Trunk Line from Santa Clara Riverbed (NCWD-3), Santa Clarita Valley Southern End Recycled Water Project (VWC-1), Electrolysis & Volatilization for Bromide Removal and BDP Reduction (CLWA-2), and Santa Clara River, San Francisco Creek Arundo and Tamarisk Removal Project (City Santa Clarita-1/USFS-1).

**Q14. ELIGIBILITY**

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

CLWA prepared a groundwater management plan in accordance with the provisions of Water Code Section 10753.7, which was originally enacted by AB 3030, for its wholesale service area, which covers NCWD and VWC's retail service areas. CLWA's groundwater management plan (GWMP) was drafted in 2002, and adopted in 2003. The Upper Santa Clara River IRWM Plan and the projects being proposed are consistent with the requirements of the GWMP.

**Q15. ELIGIBILITY**

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

Yes. CLWA's annual SWP Table A Amount is 95,200 AF. The region has received Delta supplies in addition to Table A water when available, including Article 21 water, Turnback Pool water, and DWR dry-year purchases.

**Q16. ELIGIBILITY**

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes. The IRWM Plan helps to reduce dependence on the Delta for supply by increasing supply reliability through the identification and implementation of its regional objectives: Reduce Water Demand by implementing technological, legislative and behavioral changes that will reduce user demands for water. Improve Operational Efficiency by maximizing water system operational flexibility and efficiency, and including energy efficiency. Increase Water Supply in order to understand future regional demands and obtain necessary water supply sources. Improve Water Quality to supply drinking water with appropriate quality, improve groundwater quality; and attain water quality standards. Promote Resource Stewardship to preserve and improve ecosystem health, improve flood management; and preserve and enhance water dependent recreation.

**Q17. ELIGIBILITY**

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes.

**Section : Application Attachments Tab**

APPLICATION ATTACHMENTS TAB

**A1. ATTACHMENT 1**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1\_IG1\_Eligible\_1of5.pdf

**A2. ATTACHMENT 2**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2\_IG1\_Adopted\_1of3.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments: Att2\_IG1\_Adopt\_2of3.pdf

Last Uploaded Attachments: Att2\_IG1\_Adopt\_3of3.pdf

### **A3. ATTACHMENT 3**

**Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_1of1.pdf

Upload additional work plan components here.

### **A4. ATTACHMENT 4**

**Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

Last Uploaded Attachments: Att4\_IG1\_Budget\_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_3of5.pdf

Upload additional budget components here.

Upload additional budget components here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_4of5.pdf

Last Uploaded Attachments: Att1\_IG1\_Eligible\_5of5.pdf

### **A5. ATTACHMENT 5**

**Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

Last Uploaded Attachments: Att5\_IG1\_Schedule\_1of2.pdf

Upload additional schedule components here.

Last Uploaded Attachments: Att5\_IG1\_Schedule\_2of2.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

### **A6. ATTACHMENT 6**

**Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

Last Uploaded Attachments: Att6\_IG1\_Measures\_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

### **A7. ATTACHMENT 7**

**Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

Last Uploaded Attachments: Att7\_IG1\_WSBen\_1of1.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

### **A8. ATTACHMENT 8**

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8\_IG1\_WQOtherBen\_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

## Section : Application Attachments Tab (cont)

### APPLICATION ATTACHMENTS TAB (CONT)

#### A9. ATTACHMENT 9

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Placeholder.docx

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att9\_IG1\_DReduc\_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

#### A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att10\_IG1\_BSummary\_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

#### A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att11\_IG1\_Preferences\_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Last Uploaded Attachments: Att12\_IG1\_DAC\_1of1.pdf

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Last Uploaded Attachments: Att13\_IG1\_UrbanSupplier\_1of1.pdf

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional Consent Form documentation here.

Last Uploaded Attachments: Att 14\_IG1\_Consent Form\_1of1.pdf

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

#### A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Last Uploaded Attachments: Att15\_IG1\_Delta\_1of2.pdf

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

Last Uploaded Attachments: Att 15\_IG1\_Delta\_2of2.pdf

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

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