



UPPER SANTA CLARA RIVER

Integrated Regional Water Management

ATTACHMENT 3 - WORK PLAN

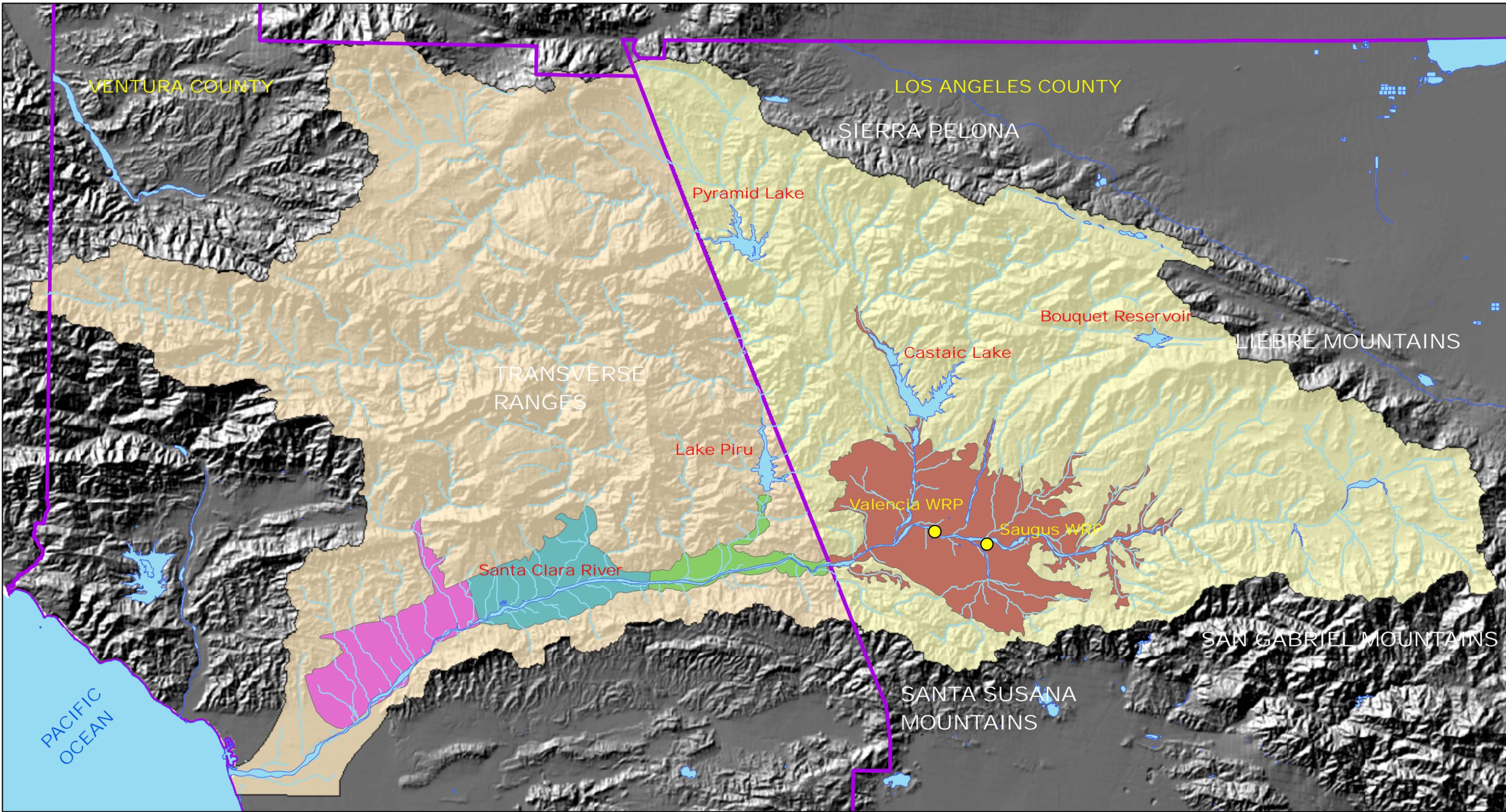
3.1 Current Status in Meeting IRWM Standards

The Upper Santa Clara River IRWMP is a complete plan that has been adopted by each of seven RWMG members, as well as collectively as the Regional Water Management Group (RWMG). The Upper Santa Clara River IRWMP currently meets all of the former Proposition 50 IRWM Guidelines, as well as meeting many of the new Proposition 84 Guidelines. The region is currently updating its Plan and conducting two technical studies, a climate change technical study and a Salt and Nutrient Management Plan with funds received in the Planning Grant Round 1 for those Proposition 84 Standards that needed further development.

The following discussion identifies, by Proposition 84 Standard, a status update as to where the Plan stands in terms of compliance with each of the sixteen separate standards and indicates where more work is necessary or where modification of the Plan is desired. Special note is made to highlight where the grant work plan content will highlight or contribute to compliance with these standards. This is also summarized in Table 3-1.

Work plan tasks that will be performed as part of the grant proposal are discussed in section 3.2 and include the update of the Agency's Recycled Water Master Plan and associated California Environmental Quality Act documentation, the update of the Santa Clarita Valley Water Use Efficiency Strategic Plan, and overall Grant Administration.

Figures 3-1 and 3-2 provide the IRWMP Region boundary and the hydrological features within the Region.



Legend			
●	Water Reclamation Plants		
Groundwater Basin	Watershed		
	EASTERN		Lower Santa Clara River
	PIRU		Upper Santa Clara River
	FILLMORE		
	SANTA PAULA		

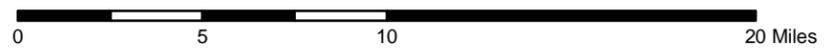
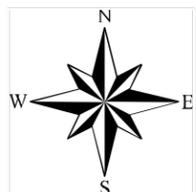
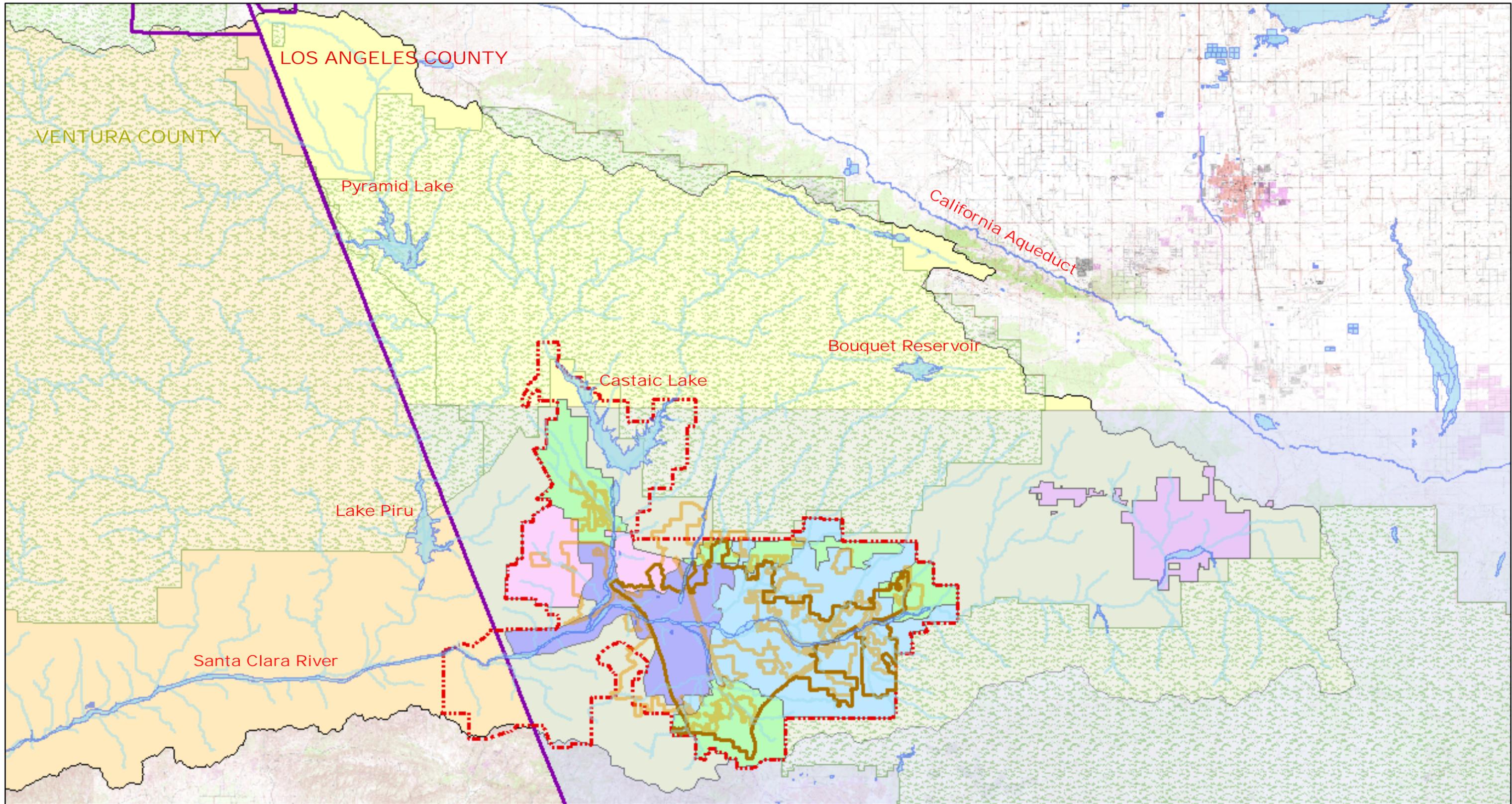


Figure 3-1
Upper Santa Clara River Watershed
Hydrologic Features



Legend			
Watershed			
Upper Santa Clara River	Valencia Water Company	US Forrest Service Boundary	LA County Flood Control Boundary
Santa Clarita	LA County WaterWorks District 36	LA County Flood Control Boundary	Lower Santa Clara River
Santa Clarita Valley Sanitation District	Santa Clarita Water Company	Newhall County Water District	
CLWA	LA County WaterWorks District 37		



Figure 3-2
Upper Santa Clara River
Watershed/IRWMP Region



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**TABLE 3-1
CURRENT STATUS IN MEETING THE IRWM PLAN STANDARDS**

PROPOSITION 84 STANDARD	STATUS	SPECIFIC STANDARD STATUS
Governance	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	The RWMG governance structure is based on an intention to ensure balanced representation across the IRWMP's three main regional objectives (i.e., water supply, water quality, and resources stewardship), as well as geographic diversity across the Region. The RWMG has the participation of at least three public agencies, two of which have statutory authority over water management. The members of the RWMG are Castaic Lake Water Agency, City of Santa Clarita, Los Angeles County Flood Control District, Newhall County Water District, Santa Clarita Water Division of Castaic Lake Water Agency, Santa Clarita Valley Sanitation District of Los Angeles County, Valencia Water Company, and the San Gabriel and Lower Los Angeles San Gabriel Rivers and Mountains Conservancy. The RWMG's governance structure involves cooperation from the public, stakeholders, project proponents, and RWMG members. In general, the RWMG monitors IRWMP requirements/developments, and makes administrative decisions (including managing the grant application/administration process, paying for consultant(s), and preparing stakeholder agendas/meeting materials). Broader decisions that are needed (such as nominating RWMG members, making any required changes to the Plan necessary to meet funding guidelines, and updating the IRWMP) are brought to the stakeholders, and a decision is sought through a collaborative process, with stakeholders voting on the decision if needed. Through the IRWMP process, entities have built working relationships that guide ongoing IRWMP planning and implementation. Additionally, the governance structure for the Upper Santa Clara River IRWMP is designed to encourage regional participation and to accept project proposals on an ongoing basis.
Region Description	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	The IRWMP discusses the general impacts of climate change in its description of regional water resources and focuses of the potential impacts of climate change on the reliability of supply from the State Water Project. Using Planning Grant funds received from Round 1, the region description is currently being updated to further identify the potential vulnerabilities to water resources in the IRWMP Region to projected climate change. Climate change scenarios are being defined consistent with the 2011 Draft DWR State Water Project Reliability Report. Vulnerable watershed characteristics are being defined and include hydrology, watershed landscape, water supply and demand, groundwater recharge, ecosystem, and other characteristics such as weather, changes in the amount, intensity, timing, quality, and variability of runoff and recharge; and effects of sea level rise (on imported water



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PROPOSITION 84 STANDARD

STATUS

SPECIFIC STANDARD STATUS

PROPOSITION 84 STANDARD	STATUS	SPECIFIC STANDARD STATUS
Objectives	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013). <i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan will assist in developing technologically feasible and quantifiable objectives relating to water demand and water supply. The two Updates may also result in updating of regional priorities.</i>	<p>supply by DWR). The region description is also being updated to include an assessment and ranking of these vulnerabilities.</p> <p>The objectives in the IRWMP are being assessed as part of the IRWMP current update process. The IRWMP objectives will be discussed in the context of climate change with regard to potential for changes in the amount, intensity, timing, quality and variability of runoff and recharge in addition to the need to consider the effects of sea level rise on water supply conditions and to identify suitable adaptation measures. One of the current IRWMP objectives is an improvement in water quality. The increase in water supply by means of recycled water use is an IRWMP objective. Updating of the Recycled Water Master Plan will identify the current and future recycled water demands within the Valley. Based on this, the quantifiable objective will be modified. Likewise, the Santa Clarita Valley Water Use Efficiency Strategic Plan will identify how much conservation will be needed in the future, which will assist in modifying the 'reduce water demand' objective target.</p> <p>The objectives in the IRWMP are the following. One quantifiable target is provided for each (however in the IRWMP there may be additional quantifiable targets identified for any particular target):</p> <p>Reduce Water Demand Implement technological, legislative and behavioral changes that will reduce user demands for water. <i>Ten (10) percent overall reduction in projected urban water demand throughout the Region by 2030 through implementation of water conservation measures.</i></p> <p>Increase Water Supply Understand future regional demands and obtain necessary water supply sources. <i>Increase use of recycled water by up to 17,400 acre-feet per year (AFY) by 2030, consistent with health and environmental requirements.</i></p> <p>Improve Water Quality Supply drinking water with appropriate quality; improve groundwater quality; and attain water quality standards. <i>Comply with existing and future Total Maximum Daily Load (TMDLs).</i></p> <p>Improve Operational Efficiency <i>Maximize water system operational flexibility and efficiency, including energy efficiency. With assistance of local energy utility, perform electrical audit on all wholesale and purveyor water facilities once</i></p>



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PROPOSITION 84 STANDARD	STATUS	SPECIFIC STANDARD STATUS
Resource Management Strategies	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013). <i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan may result in updating of the resource management strategies.</i>	<i>every five years.</i> The IRWMP currently evaluates the 24 water management strategies contained within the California Water Plan. Since the release of the 2009 Update of the California Water Plan, the following strategies have been added, which will be considered in the IRWMP Update: Forest Management, Land Use Planning and Management (formerly Urban Land Use Management), and Improve Flood Management. The stakeholders considered these additional strategies at an IRWMP Stakeholder meeting in January (2012) and evaluated them for applicability to the Region. Additionally, the IRWMP must identify and implement “No-Regrets” Adaptation Strategies to the general effects of climate change, such as meadow and forest restoration, flood plain protection, and water use efficiency. The Climate Change Technical Study will help to identify the “No-Regrets” Adaptation Strategies that will be most effective and appropriate for this Region. These will be discuss with the Stakeholders again in the context of climate change at a future Stakeholder meeting.
Integration	Standard is met with existing plan language.	The IRWMP has a successful framework to ensure collaboration between entities and integration of projects so as to achieve multiple benefits. The IRWMP meets the new standard and the update that is currently underway will continue to use this successful format for integration.
Project Review Process	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013). <i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan will help to identify new candidate projects for submittal to the IRWMP.</i>	Using Planning Grant funds received from Round 1, the project review process will be refined over the next 9 months to meet the new standard. As part of that process, projects included in the IRWMP, and additional projects deemed necessary, will be assessed for their ability to adapt to potential climate change impacts and for the benefits the project will provide. The project review process will include as assessment of the contribution of the project reducing greenhouse gas (GHG) emissions as compared to project alternatives, and California Environmental Quality Ace (CEQA) project-level analysis with respect to GHG emissions. The IRWMP will not yet provide a calculation of GHG emissions on a project-by-project basis, but it will use the results of the Climate Change Technical Study to discuss this on an analytical level.



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PROPOSITION 84 STANDARD	STATUS	SPECIFIC STANDARD STATUS
Impacts And Benefits	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	The IRWMP meets the majority of the new standard. However, the discussion is currently being updated to include the discussion of impacts and benefits between regions, as well as those directly affecting disadvantaged communities (DAC), Environmental Justice related concerns, and Native American tribal communities, and including the benefits of environmental stewardship in order to meet the standard completely.
Plan Performance And Monitoring	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	The plan performance and monitoring discussion contained within the IRWMP meets the majority of the standard but is currently being updated to provide a discussion of policies and procedures that promote adaptive management with respect to the effects of climate change. The Stakeholders and RWMG have devoted monthly meetings to the discussion of updating existing data, IRWMP objectives, regional priorities, and statewide priorities for relevance and these are being modified as needed to ensure the overall IRWMP reflects regional changing needs. Additionally, Candidate Projects will be reviewed and they will be evaluated as part of the Update schedule to ensure that the current plan objectives will be met and the resulting Plan Projects offer the greatest benefit possible. This ongoing review and update allow the plan to undergo “adaptive management”, e.g., allows the IRWMP to evolve to changing conditions, and incorporate new data (e.g., climate change vulnerabilities).
Data Management	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	Using Planning Grant funds received from Round 1, the IRWMP is currently being updated with a Data Management System that will help track and document the progress of IRWMP implementation and for storing and disseminating data from monitoring efforts. A discussion of how findings or “lessons learned” from project-specific monitoring efforts will be included to improve the RWMG’s ability to implement future projects in the IRWM Plan.

*** Data obtained for the Recycled Water Master Plan Update and Update of the Santa Clara Valley Water Use Efficiency Strategic Plan will be used to update the technical analysis portions and data management chapters. Both studies will also be filling in data deficiencies identified in the Plan.*



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PROPOSITION 84 STANDARD	STATUS	SPECIFIC STANDARD STATUS
Finance	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	The IRWMP meets most of the new finance standard. However, the discussion is currently being updated to add an explanation of how operation and maintenance (O&M) costs for projects that implement the IRWMP would be covered and the certainty of O&M funding in order to meet the standard completely.
Technical Analysis	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013). <i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan will assist in developing technologically feasible and quantifiable objectives relating to water demand and water supply.</i>	The IRWMP meets most of the technical analysis standard. The IRWMP includes a detailed listing and categorization of the documents used to develop the baseline information and technical analyzes for the development of the IRWMP. Updating of the IRWMP includes a review of these documents and updating if necessary as well as identifying new relevant technical documents that should be reviewed to support the IRWMP. Given the new standards, the expanded scope of the technical analysis, and review of current planning documents, an updated report on deficiencies, priority for filling the gaps, and plan to address them are part of the current update process.
Relation To Local Water Planning	Standard is met with existing plan language. <i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan will require close coordination among the wholesale and retail water agencies, potential recycled water customers, and land use developers.</i>	The IRWMP currently meets this standard. However, in order for the Plan to meet the requirements of the climate change standard, the IRWMP is being updated to consider and incorporate the water management issues and climate change adaptation and mitigation strategies from local planning document.



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Relation To Local Land Use Planning	<p>Standard is met with existing plan language.</p> <p><i>** The Recycled Water Master Plan Update and Update of the Santa Clarita Valley Water Use Efficiency Strategic Plan will both tie in to the next update of the Urban Water Management Plan (2015), and require coordination with local planning agencies and with the Los Angeles County and City of Santa Clarita's One Valley One Vision document General Plan Updates.</i></p>	<p>The IRWMP currently meets this standard. However, in order for the Plan to meet the requirements of the climate change standard, the IRWMP is being updated to include a discussion of the region's demonstrated information sharing and collaboration with regional land planning efforts being undertaken in order to manage multiple water demands throughout the state, to adapt to water management systems to climate change, and potentially offset climate change impacts to water supply in California.</p>
Stakeholder Involvement	<p>Standard is met with existing plan language.</p>	<p>The IRWMP currently meets this standard. The IRWMP was developed and continues to operate via a broad public process focused on outreach through meetings, community events, direct emails, mailings, and face to face interaction to maintain Stakeholder involvement. Stakeholders, including DACs, were and continue to be able to directly interact with the IRWMP by adding projects to the list of Candidate Projects for implementation of the IRWMP, assisting in development and updating of the resource management strategies and objectives through consensus based interactive stakeholder meetings.</p>
Coordination	<p>Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).</p>	<p>The IRWMP is currently being updated to include mention of California Natural Resource Agency's California Adaptation Strategy process and the RWMG's consideration of membership in the California Climate Action Registry which is a future Stakeholder meeting agenda topic. The Plan will also be updated with the Region's coordination ongoing efforts with other adjacent planning regions including: the joint Climate Change Workshop that is being sponsored between the Watershed Coalition of Ventura County (WCVC), USCR, and Santa Barbara County IRWMP Regions, the Watershed Awareness Month of May activities in which a number of IRWMP projects are being highlighted within the watershed also co-sponsored by the USCR and WCVC IRWMP Regions, and the participation by both the WCVC and USCR IRWMP members in each other's regular Stakeholder meetings to ensure that the entire watershed is protected and managed appropriately.</p>



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**PROPOSITION 84
STANDARD**

STATUS

SPECIFIC STANDARD STATUS

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Climate Change	Standard will be met with plan language being revised or amended with Planning Grant Round 1 funds. Revised plan anticipated (March 2013).	Using Planning Grant funds received from Round 1, the RWMG has commissioned a Climate Change Technical Study that will identify vulnerability of the Region to climate change, evaluate potential climate change impacts, identify and evaluate potential adaptation strategies, and will made recommendations as to how to collect and utilize greenhouse gas emissions data within the IRWMP framework. The study will then be used to update the IRWMP so that it will meet the requirements of the climate change standard.



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3.1.1 Disadvantaged Community Outreach Process

During development of the IRWMP, no communities that met the definition as defined in the Water Code of a Disadvantaged Community (DAC) were identified, but there are pockets of lower income areas that may have issues similar to DACs, such as inability to access to information, for example. In the spirit of providing “a safe, clean, affordable, and sufficient water supply to meet the needs of California residents, farms, and businesses”, a DAC Outreach Subcommittee was formed along with the development of a DAC outreach strategy to reach these communities, which will include parts of Newhall and Canyon Country.

As part of this strategy, the RWMG contacted other groups known to deal with DAC issues, such as the City of Santa Clarita Housing Department and the Newhall Community Center. Individuals working on the IRWMP visited the Newhall Community Center and spoke with their staff. Center staff suggested the RWMG work with their teacher of the English as a Second Language (ESL) class. A professional outreach consultant was utilized to prepare materials in both English and Spanish and the Newhall Community Center teacher used those materials as part of the course work. This was a very effective way to communicate these issues rather than simply placing an article in a publication with an overly broad target audience. This was face to face interaction being delivered by someone this group of people had an existing relationship with and trusted. It also afforded the opportunity to expand the number of people who received the information. The Newhall Community Center is extensively used and the community who use it take great pride in the programs that are offered there. When the Center was being planned, the community was an integral part of the design and location of the building and it functions as an extended family for many that use it. Similar resources exist in Canyon Country including a public library.

In addition to providing this IRWMP information in the ESL classes, Stakeholders presented IRWMP information at the Emergency Expo and Arbor Day events. Both are City of Santa Clarita events, attended by thousands of people, and were very successful in engaging the community on IRWMP issues. Open channels of communication and good working relationships have also been established between agencies/companies of the Santa Clarita Valley and the Tataviam Band of Mission Indians due to several development projects involving their lands.

These specific efforts of direct emails, mailings, face to face interaction, event participation, classroom instruction, flyers, notices, surveys, and presentations were performed to get environmental groups, conservancy groups, well owner groups, DACs, water suppliers, municipalities, sanitation districts, flood control districts, American Indian Tribes, developers, landowners, adjacent IRWM areas, State agencies, elected representatives, and the like to take part in the IRWMP. With the involvement of the Stakeholders, the facilitation meetings, the tracking of Stakeholder comments, and the efforts to incorporate those comments into the IRWMP the group has been able to incorporate a broad range of input and ideas.



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With the recent completion of the County of Los Angeles's One Valley One Vision (OVOV) land use planning document, the OVOV update of the City of Santa Clarita General Plan, and the 2010 Census data, there is a wealth of new information available to assist in identifying existing and potential new stakeholders, including DAC's, tribal communities, and environmental justice communities. These types of outreach efforts are continual efforts as part of the USCR IRWMP and will be throughout the IRWMP Update.

3.2 Grant Work Plan Content (Work Plan Tasks)

Funding is being requested from the Round 2 Planning Grant solicitation for the following work plan tasks. These technical studies directly support the technical feasibility of the objectives in the IRWMP.

Task 1 RECYCLED WATER MASTER PLAN UPDATE

The CLWA requires an update of its 2002 Recycled Water Master Plan in order to compile the latest information with regard to potential recycled users, design of infrastructure and the availability of recycled water to serve them. The project would require an investigation to identify all large landscape irrigators and other non-potable water users and their proximity to an updated list of potential sources of recycled water. This data will then be used to prepare various recycled water system designs and cost evaluations to determine a suite of options for recycled water delivery that reflect current regulatory requirements. The recycled water system options will then be matched with potential water conservation program portfolios to arrive at a cost-effective and realistic strategy to meet the State's requirements of 20 percent per capita water conservation by 2020 (SBx7-7).

Subtask 1.1: Recycled Water User Map and Hydraulic Model Update

- 1.1.1 Collect updated potential recycled water users from water purveyors.
- 1.1.2 Map the potential recycled water users in a Geographic Information System (GIS) program.
- 1.1.3 Collect the purveyor's potable pressure zone information and incorporate the information in GIS.
- 1.1.4 Establish recycled water pressure zones.
- 1.1.5 Create a hydraulic model to incorporate the potential recycled water user demands and pressure zones.



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Subtask 1.2: Draft Recycled Water System Analysis

- 1.2.1 Evaluate the potential recycled water users, and their demands per pressure zone.
- 1.2.2 Determine the recycled water system seasonal storage requirements and identify potential seasonal storage locations.
- 1.2.3 Evaluate the recycled water system and determine a cost effective layout.

Subtask 1.3: Draft Recycled Water Master Plan

- 1.3.1 Review previous recycled water documents to include but not limited to the Recycled Water Master Plan dated May 2002, Recycled Water Program EIR for the May 2002 Recycled Water Master Plan, Recycled Water Phase 2A Preliminary Design Report, Recycled Water Program Phase 2A Environmental Documents, Honby Pump Station Technical Memorandum, Seasonal Storage Evaluation, System Optimization Technical Memorandum, and the Amended Engineer's Report for the existing Recycled Water System.
- 1.3.2 Review the draft recycled water rules and regulations and Sanitation District Agreement and incorporate related information into the master plan.
- 1.3.3 Finalize the draft recycled water system analysis and coordinate with the water purveyors and Sanitation District of Los Angeles County.
- 1.3.4 Identify and evaluate the recycled water system implementation phases including but not limited to the phase limits, phase demands, costs, and schedule.
- 1.3.5 Revise the recycled water hydraulic model to incorporate the latest system analysis and implementation phases.
- 1.3.6 Prepare the Draft Recycled Water Master Plan.
- 1.3.7 Present and coordinate the Draft Recycled Water Master Plan with the purveyors and the Sanitation District of Los Angeles County.

Subtask 1.4: Final Recycled Water Master Plan

- 1.4.1 Review comments from the various reviewers and revise the master plan accordingly.
- 1.4.2 Finalize the recycled water hydraulic model accordingly.
- 1.4.3 Prepare the Final Recycled Water Master Plan.



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- 1.4.4 Present the Final Recycled Water Master Plan with the local water purveyors and the SCV Sanitation District of Los Angeles County.

Task 1 Deliverables:

- Recycled Water User Map
- Hydraulic Model
- Draft and Final Recycled Water Master Plan

Task 2 RECYCLED WATER MASTER PLAN ENVIRONMENTAL IMPACT REPORT

Update of the Recycled Water Master Plan will require the preparation of a new subsequent Programmatic Environmental Impact Report pursuant to the California Environmental Quality Act.

Subtask 2.1: Project Kick-off

Meet with Agency staff in a project kick-off meeting to review program tasks, schedule, existing documents and data, and address questions and data needs, and visit the project sites.

Subtask 2.2: Notice of Preparation

Prepare Notice of Preparation and mail to list of appropriate agencies supplied by CLWA.

Subtask 2.3: Conduct Regular Meetings

- 2.4.1 Prepare for and conduct regular scheduled meetings with Agency staff and General Counsel to review progress and address issues.
- 2.4.2 Provide all necessary exhibits and documents required for presentation on environmental topics for public meetings and hearings.
- 2.4.3 Prepare and provide minutes to Agency for review and for the files for all project-related meetings with Agency staff and outside entities. Assume an average one to two-hour meeting every 4 weeks over a 12-month period.



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Subtask 2.4: Draft Environmental Impact Report (EIR)

- 2.4.1 Prepare draft EIR for the Recycled Water Master Plan Update, necessary to satisfy the latest requirements of CEQA.
- 2.4.2 Prepare Notice of Availability and file Notice of Completion of the draft EIR with the State Office of Planning and Research.
- 2.4.3 Distribute draft EIR, either as a PDF or as a hardcopy, as specified by CLWA according to list of appropriate agencies supplied by CLWA.

Subtask 2.5: Review Comments on DEIR

- 2.5.1 Prepare drafts of the EIR at appropriate times for review by Agency staff. Provide five (5) copies of each draft for Agency review and comments.
- 2.5.2 Prepare responses to comments on the final draft EIR, including consultation with federal and state agencies if endangered species or habitat are identified.
- 2.5.3 Prepare Notice of Determination within five working days of deciding to carry out the project and file with the State Office of Planning and Research. Also file the Notice with the county clerk of the county or counties in which the project is located.

Subtask 2.6: Prepare Final EIR

- 2.6.1 Prepare and provide copies of Final EIR documents as necessary for review by local, state, federal agencies and others.
- 2.6.2 Prepare Notice of Determination
- 2.6.3 Prepare the administrative record as part of the Final EIR.

Subtask 2.7: Project Management

The primary objectives of the project management task are to: 1) ensure that project schedule and budget are met; 2) document project activities (progress reports and meetings); and 3) ensure that project work and deliverables meet quality objectives.

Task 2 Deliverables:

- Notice of Preparation



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- Draft and Final EIR
- Administrative Record

Task 3 STRATEGIC WATER USE EFFICIENCY PLAN UPDATE

The Santa Clarita Valley Family of Water Suppliers (the Suppliers) joined together in 2007 to develop a plan to ensure the efficient use of water in the Santa Clarita Valley (Valley). The Santa Clarita Valley Water Use Efficiency Strategic Plan (SCV WUE SP) was finalized in 2008 and included programs and projects that were targeted to effectively reduce the per capita water use in the Valley by at least 10% by 2030. In 2010/2011, the Suppliers were awarding funding from the Proposition 84 Round 1 Implementation Grant Program to fund 4 conservation programs identified within the SCV WUE SP.



With current law (SBX7-7) mandating a 20% reduction in water demand by 2020, it becomes necessary to update the SCV WUE SP. At a minimum, an update of the SCV WUE SP shall analyze current data on water consumption in the Valley, assess current conservation efforts that have followed the SCV WUE SP, those that have deviated from the SCV WUE SP by necessity and those that are independent of the SCV WUE SP, identify additional water conservation programs, analyze cost benefits, and recommend a plan of action.

It is important the SCV WUE SP update also include an interactive model (i.e., spreadsheet) that is able to be modified by the Suppliers as conditions change in years to come.

Subtask 3.1: Analysis of Data

Use data from the 2010 Urban Water Management Plan (UWMP), data being developed to update the Agency's Recycled Water Master Plan and the original Santa Clarita Valley Water Use Efficiency Strategic Plan (2008) as well as more recent data from the Suppliers (e.g., survey results from O'Rorke and the Family of Water Suppliers, etc.) to describe historical consumption patterns, saturation of the market with water-efficient fixtures, willingness of the community to adopt various measures, compliance with the CUWCC MOU, and other issues or trends as they emerge.

Subtask 3.2: Assess Conservation Efforts

Review current conservation programs at the Suppliers (retailers and wholesaler) terms of scope and effectiveness of water savings.



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Subtask 3.3: Identify and Develop Water Conservation Measures

- 3.3.1 Describe potential water conservation programs for residential (single and multi-family), commercial, industrial, institutional and landscape water use to
 - a. achieve 10% reduction in GPCD by 2015 (in conjunction with recycled water programs that will be identified in the Recycled Water Master Plan Update)
 - b. achieve 20% reduction in GPCD by 2020 (in conjunction with recycled water programs that will be identified in the Recycled Water Master Plan Update)
 - c. achieve “on track” status with the CUWCC’s Best Management Practice (BMP) requirements for members of the Suppliers
- 3.3.2 Develop in detail both water conservation measures that are quantifiable and those that are non-quantifiable (e.g., social marketing).
- 3.3.3 Document the underlying assumptions used for calculating water savings.

Subtask 3.4: Assess Cost-Effectiveness

Taking into consideration alternative levels of recycled water use identified in the Draft Update of the Recycled Water Master Plan, analyze prospective water conservation programs in terms of cost-effectiveness and rank programs by their appropriateness to the Santa Clarita Valley. Programs should be divided between the efforts of the wholesaler and the retailers as well as potentially cooperative efforts. Ideally, the wholesale agency would provide some baseline programs (e.g., High Efficiency Toilet [HET] rebates) and the retail agencies would provide programs that are specific to their service area (e.g., commercial and industrial audits in service areas with CII customers).

At this point, the Suppliers would like to review work efforts to date prior to development of the plan.

Subtask 3.5: Create a Conservation Plan

- 3.5.1 Create a customized plan for multiple conservation programs that includes costs, benefits, social acceptance and partnership opportunities for achieving 10% reduction in gallons per capita per day (GPCD) by 2015, 20% reduction in GPCD by 2020 and “on track” status with the CUWCC’s BMP requirements.
- 3.5.2 Identify a methodology for an evaluation of the conservation plan post-implementation.
- 3.5.3 Assess conservation staffing levels at wholesale and retail agencies.
- 3.5.4 Identify and describe potential funding opportunities.



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- 3.5.5 Evaluate the conservation requirements needed in concert with projected recycled water use to meet SBx7-7 requirements. Text will be provided, either separately or as an appendix that can facilitate the completion of the Recycled Water Master Plan Update towards this effort.

Subtask 3.6: Project Management

The primary objectives of the project management task are to: 1) provide close coordination among the retailers, the project team, and other involved parties; 2) ensure that project schedule and budget are met; 3) document project activities (progress reports and meetings); and 4) ensure that project work and deliverables meet quality objectives.

Task 3 Deliverables:

- Draft and Final Strategic Water Use Efficiency Plan Update
- Text/Chapter to support the Recycled Water Master Plan Update

Task 4 GRANT ADMINISTRATION

This task is to administer and manage project activities and the overall project schedule and budget to ensure that the project is completed efficiently and successfully. Project management activities will include budget and schedule control and quality assurance and quality control (QA/QC) for the duration of the project. This task also includes the development and submittal of quarterly reports to DWR. Quarterly reports will include project progress reports, upcoming work, schedule, budget, and other pertinent information.

Task 4 Deliverables:

- Proposal Quarterly Reports and Invoices
- Grant Agreement Completion Final Report

3.3 Additional IRWM Plan Work

No additional work has been identified as needed to produce standards compliant IRWM Plan. As mentioned previously funds were received and work is currently being conducted to prepare a Salt and Nutrient Management Plan as part of the IRWMP. The CEQA document for that SNMP will still have to be prepared. However, it is not necessary for the IRWMP to be considered a compliant plan.

Further, the funds requested from this grant funding opportunity for development of the Recycled Water Master Plan Update and the Updating of the Water Use Efficiency Strategic Plan do not directly fill the gap in terms of a need for a compliant IRWMP. As described in Table 3-1 above, much of the work currently occurring is bringing the Plan into concurrence with the Proposition 84



UPPER SANTA CLARA RIVER

Integrated Regional Water Management

Standards. These two technical studies have substantial value to the technical validity and feasibility of the IRWMP and the existing and potential future projects that will become part of the IRWMP as they determine the amount of overall recycled water demand that will be available within the Region, and the amount of anticipated conservation that we can expect given the current legislative requirements, recent economic conditions, and hydrologic conditions and how those have created a trend that assumptions have to be planned upon. The results of these studies will be important documents to discuss with the Stakeholders, will become foundational to the upcoming 2015 Update of the Urban Water Management Plan, and will be additional resource documents to the IRWMP.