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Upper Santa Clara River 2014 Integrated Regional Water Management Plan 2018 Amendments

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Prepared for

Santa Clarita Valley Water Agency
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K/J Project No. 1744219*00

Table of Contents

Table of Contents (cont'd)

List of Tables

List of Attachments

Executive Summary

The Regional Water Management Group (RWMG) for the Upper Santa Clara River (USCR) Integrated Regional Water Management Plan (IRWMP, Plan) is required to amend its adopted 2014 IRWMP (referred to herein as the 2014 IRWMP) to meet the new standards provided in the California Department of Water Resources (DWR's) Proposition 1 2016 IRWM Guidelines. The 2014 IRWMP was determined by DWR in June 2014 to be consistent with the Proposition 84 IRWM Grant Program Guidelines, as documented in the confirmation letter provided in Attachment B.

The RWMG for the USCR IRWMP intends to update the document approximately every five years. The first Plan was developed in 2008, and subsequently updated in 2014 when the 2012 Proposition 84 IRWM Guidelines were released. Therefore, the 2014 Plan is not due for a full and complete update until 2019/2020. For the USCR IRWM Region to be eligible for Proposition 1 IRWM funding, the current 2014 IRWMP must meet the new updated Guidelines in time for the first round of Proposition 1 Implementation funding, anticipated in late 2018. Therefore, the RWMG has decided to amend the existing Plan to meet the new Guidelines; with a full update to be undertaken in the near future.

The RWMG recognizes that there are on-going activities in the USCR IRWM Region that can result in changes to information contained in the IRWMP, such as the development of new and/or modified Plan projects that need to be added to the project list and changes in prioritization of projects. Additionally, there have been recent member organization changes related to the formation of the new Santa Clarita Valley Water Agency (SCV Water) (effective January 1, 2018) that will be detailed in the full update of the IRWMP and formalized by the RWMG in an updated Memorandum of Understanding. However, the 2014 IRWMP documents the process to allow for these changes, and many of them are beyond the limited scope of what is covered in this set of amendments. The next full Plan update is intended to capture such changes.

The following Amendment is organized according to the 16 IRWM Plan Standards provided in the 2016 Proposition 1 IRWM Grant Program Guidelines and is structured consistent with the DWR Plan Review Tool which helps to guide both DWR and the RWMG in identifying where the existing 2014 IRWMP meets, or does not currently meet, the new standards.

The IRWM Standards are:

1. Governance
2. Region Description
3. Objectives
4. Resource Management Strategies
5. Integration
6. Project Review Process
7. Impact and Benefit
8. Plan Performance and Monitoring
9. Data Management
10. Finance

11. Technical Analysis
12. Relation to Local Water Planning
13. Relation to Local Land Use Planning
14. Stakeholder Involvement
15. Coordination
16. Climate Change

A Plan Review Tool table for each of the 16 IRWM Standards is provided at the beginning of each IRWM Standard Section in this Amendment. As done in the actual Plan Review Tool, areas shaded in orange are identified as "new" (i.e., Proposition 1) elements for a particular standard. Discussion is provided as to how the 2014 IRWMP meets the new element(s). Additional explanation or edited IRWMP text is provided if necessary, in order to update the Plan to fully meet the new requirements. In the tables, these sections are highlighted in blue.

Areas of no shading indicate elements of a standard which have not changed with the new Proposition 1 guidelines. Therefore, no additional changes in those areas are necessary.

The complete DWR Plan Review Tool (an excel spreadsheet) is provided as Attachment A. The 2014 IRWMP is provided as Attachment C.

Where changes to the adopted 2014 IRWMP were necessary, actual text from the 2014 IRWMP section is shown in italics in this amendment document with changes shown in "track changes"; new text is in red underline and deleted text is in red ~~strikeout~~. References to the 2014 Plan sections are also provided for additional clarification. It is recommended that this Amendment be reviewed with the 2014 IRWMP (see Attachment C), as sections throughout the IRWMP are being modified per this Amendment.

This is not a full update of the 2014 IRWMP and per the governance Section of the IRWMP, each member of the RWMG is not required to officially adopt the Amendment. Rather, when the plan is fully updated, re-adoption will occur. However, to show support and affirmation of the changes proposed in this Amendment, Attachment D contains a letter of support from the RWMG as the governing body for the USCR IRWM Region.

Section 1: Governance

The following table provides an overview of the *Governance* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 1-1 IRWM Plan Standard Requirements – Governance

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
The RWMG and individual project proponents who adopted the Plan	37	This standard is met with Amendment Section 1.1
A description of the IRWM governance structure including a discussion of whether or how Native American tribes will participate in the RWMG.	37	This standard is met with the 2014 IRWMP: §1.3.1, and Amendment Section 1.2
A description of how the chosen form of governance addresses and ensures:		
Public outreach and involvement processes	37	2014 IRWMP: Table 1.3-1, Table 1.3.2, §11.3.3, Appendix A
Effective decision making	37	2014 IRWMP: §1.3, §1.3.1.1
Balanced access and opportunity for participation in the IRWM process	37	2014 IRWMP: Table 1.3-1, Table 1.3.2, §11.3.3, Appendix A
Effective communication – both internal and external to the IRWM region	37	2014 IRWMP: Table 1.3-1, §1.3
Long term implementation of the IRWM Plan	37	2014 IRWMP: Table 1.3-1, §1.3.1.6, §8.5
Coordination with neighboring IRWM efforts and State and federal agencies	37	2014 IRWMP: §1.3.3, §11.2
The collaborative process(es) used to establish plan objectives	38	2014 IRWMP: Table 1.3-1, §6.1, Appendix A
How interim changes and formal changes to the IRWM Plan will be performed	38	2014 IRWMP: §8.5.1.2, §7.4
Updating or amending the IRWM Plan	38	2014 IRWMP: §8.5.1.2, §7.4; Amendment Section 1.3

1.1 The RWMG and individual project proponents who adopted the Plan.

All members of the RWMG have adopted the IRWMP, including any individual project proponents that have sought funding through the IRWMP grant program. Section 1. Introduction, of the 2014 IRWMP has been updated to reflect the current adoption status of the Plan.

The following text revisions to the 2014 IRWMP are a part of this Amendment:

IRWMP Section 1. Introduction (page 1-1)

The Upper Santa Clara River Integrated Regional Water Management Plan (IRWMP) was first completed and adopted by the Regional Water Management Group (RWMG) in 2008. ~~This~~ The 2014 IRWM Plan updates and expands upon the original Upper Santa Clara River IRWMP, documents progress towards meeting IRWMP objectives, and identifies ongoing regional needs and issues.

To date, all project proponents that could have received funding through Proposition 84 have also adopted the IRWMP or have submitted letters of support if their governance structure did not allow for a formal adoption. The RWMG as a whole adopted the 2014 IRWMP on March 27, 2014. Proof of adoption of the 2014 Update is documented in the Round 1, Round 2, and Drought Implementation Grant submittals.

The 2014 IRWMP Update was adopted by the RWMG, including:

- *Castaic Lake Water Agency (adopted February 26, 2014)*
- *CLWA Santa Clarita Water Division (adopted February 26, 2014)*
- *City of Santa Clarita (adopted March 25, 2014)*
- *Newhall County Water District (adopted February 13, 2014)*
- *Valencia Water Company (adopted February 11, 2014)*
- *Los Angeles County Flood Control District (adopted April 23, 2014)*
- *San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy (adopted March 24, 2014)*
- *Santa Clarita Valley Sanitation District (adopted April 21, 2014)*

The 2014 IRWMP Update was adopted by Project Proponents, including:

- *Rosedale Rio-Bravo Water Storage District (adopted on July 8, 2014)*
- *Semitropic Water Storage District (adopted on September 10, 2014)*

- *Bouquet Canyon Network (support letter provided on February 3, 2014)*
- *Angeles National Forest (support letter provided on April 10, 2014)*

All future project proponents will be required to adopt the amended 2014 IRWMP. When the full update of the IRWMP is completed in 2019/2020, all RWMG members and any proposed funding recipients will be required to adopt/readopt the Plan.

1.2 A description of the IRWM governance structure including a discussion of whether or how Native American tribes will participate in the RWMG

Participation in IRWMP implementation by Disadvantaged Communities (DACs) and Native American Tribes is described in Sections 11.2.2 and 11.3.2 of the 2014 IRWMP. A description of the USCR IRWMP's governance structure is provided in Section 1.3.1 of the IRWMP. To ensure that DACs and Native American Tribal entities are continually encouraged to participate in the USCR IRWMP and the RWMG, the following text revisions to the 2014 IRWMP are part of this Amendment:

IRWMP Section 1.3.1. Regional Water Management Group (page 1-12)

The Upper Santa Clara River RWMG includes the participation of at least three public agencies, two of which have statutory authority over water management. The RWMG will incorporate new members into the governance structure by expanding outreach efforts to invite new groups of stakeholders, including Disadvantaged Communities and Native American Tribes, as required in the California Water Code, and requesting their attendance/input at stakeholder meetings. It is noted that Tribes are sovereign nations, and as such coordination with Tribes is on a government-to-government basis. Additional parties may enter into the MOU by amendment and approval of all RWMG members. As the stakeholder process continues and the project database is populated with more projects that will help achieve the regional goals and objectives, if deficiencies in RWMG expertise or water management representation are discovered, entities that can provide the desired expertise or representation will be sought out and invited to participate. Researching which entity might provide the missing expertise/representation could include seeking references from existing stakeholders or other Regions or seeking DWR advice as to how other Regions have filled any similar voids.

1.3 Updating or Amending the IRWM Plan

The following text revisions to the 2014 IRWMP are to clarify the amendment/update process:

IRWMP Section 8.5.1.3 IRWMP Adoption (page 8-26)

The decision of which entities should appropriately adopt the IRWMP is directly related to the intent of the IRWMP's governance structure. The RWMG's membership is intended 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. Given this balanced representation, it is therefore appropriate that all the RWMG entities with

governing bodies adopt the IRWMP. Additionally, given the benefits to all Stakeholders in the Region of achieving the regional objectives set forth in this IRWMP, it is further appropriate that any stakeholder (including Local Project Sponsors) with an interest in this Region's watershed issues also be encouraged adopt the IRWMP, provide a resolution in support of the IRWMP or provide a letter in support of the IRWMP, whichever is appropriate based on the type of entity.

Because the IRWMP is envisioned to "live through time" regardless of the makeup or turnover of the RWMG, a change in RWMG membership would not trigger re-adoption of the IRWMP. Additionally, modifying, amending, or updating the IRWMP in order to meet updated IRWM Grant Program Guidelines and eligibility requirements, to incorporate planning documents, or to qualify for funding through a funding agency would not automatically trigger re-adoption of the IRWMP.

Ongoing review of plan performance and an adaptive management process will allow the IRWMP to evolve in response to changing conditions and ensure that the IRWMP and associated objectives are current.

Section 2: Region Description

The following table provides an overview of the *Region Description* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 2-1 IRWM Plan Standard Requirements – Region Description

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
If applicable, describe and explain how the plan will help reduce dependence on the Delta supply regionally.	38	2014 IRWMP: Table 8.3.1, §7.3.1
Describe watersheds and water systems	38	2014 IRWMP: §1.1, §2, §2.1, §2.7, §3
Describe internal boundaries	38	2014 IRWMP: §1.1, §2
Describe water supplies and demands for minimum 20-year planning horizon	38	2014 IRWMP: §3.1, Table 3.1-1, §3.3, Table 3.3-1
Describe social and cultural makeup, including specific information on DACs and tribal communities in the region and their water challenges.	38	2014 IRWMP: §2.5, 2.5.3; Amendment Section 2.1
Describe major water related objectives and conflicts(1).	38	2014 IRWMP: §3.4, §6
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	2014 IRWMP: §1.1.1
Describe neighboring and/or overlapping IRWM efforts	38	2014 IRWMP: §1.3.3
Explain how opportunities are maximized (e.g. people at the table, natural features, infrastructure) for integration of water management activities	38	2014 IRWMP: §1.1, §1.2, Figures 1.1-1 and 1.1-2
Describe water quality conditions. If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination(2).	38	This standard is met with the 2014 IRWMP: §3.2.2.1 and §3.2.4, and Amendment Section 2.2
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	This standard is met with the 2014 IRWMP: §5.

Notes:
(1) Requirement must be addressed per CWC §10541 (e)(3).
(2) Requirement must be addressed per CWC §10541 (e)(14).

2.1 Describe social and cultural makeup, including specific information on DACs and tribal communities in the region and their water challenges.

Section 2.5 of the 2014 IRWMP provides a discussion of the social and cultural characteristics within the USCR Region. The additional new IRWMP text provides additional information on Native American Tribes in the Region:

IRWMP Section 2.5.4. Native American Tribes (new Section) (page 2-27)

The only known Native American Tribe within the USCR Region is the Tataviam Band of Mission Indians. The Tataviam traditionally occupied an area in northwest Los Angeles County and southern Ventura County, primarily in the upper basin of the Santa Clara River, the Santa Susana Mountains, and the Sierra Pelona Mountains. The Santa Clarita Valley is believed to be the center of Tataviam territory. The population of the Tataviam within the USCR is approximately 200-300 persons. In February 2018, the USCR Region contacted the Native American Heritage Commission (NAHC) to determine whether the Region may be home to any additional federally-recognized tribes or tribal interests. The NAHC responded with a list of 16 local tribal members to contact for potential interest in the IRWM Program. These ongoing outreach efforts to Native American Tribes including the Tataviam, are detailed in Section 11 of this IRWMP.

2.2 Describe water quality conditions.

Water quality conditions within the IRWM Region are provided in Section 3.2.2.1 and 3.2.4 of the 2014 IRWMP. This includes discussion of areas that have nitrate (Section 3.2.1.4.1), arsenic (3.2.2.1), and perchlorate (Section 3.2.4.3.3), and it includes a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination. There are no areas within the Region that are currently known to be contaminated with hexavalent chromium. The main contaminant of concern is perchlorate, and actions to remediate the contamination in the Region have been ongoing. The following text is proposed to update the status of the remediation efforts:

IRWMP Section 3.2.4.3.3 Groundwater Contamination (Perchlorate) and Well Restoration (page 3-26)

Perchlorate has been the most notable groundwater quality concern in the Santa Clarita Valley. To date, perchlorate has been detected in a total of 9 ~~8~~ wells, in both the Saugus Formation and the Alluvium, including most recently in VWC's Saugus Well 205 ~~201~~ in 2012 ~~August 2010~~.

Table 3.2-5 summarizes the current remediation status of all wells where perchlorate has been detected.

TABLE 3.2-5
STATUS OF IMPACTED WELLS

Year Perchlorate Detected	Purveyor Well	Groundwater Aquifer	Status
1997	*SCWD Saugus 1*	*Saugus*	*DPH (now DDW) approved returning the well to service in January 2011; well in active service utilizing approved perchlorate treatment.*
1997	*SCWD Saugus 2*	*Saugus*	*DPH (now DDW) approved wells return to service in January 2011; well in active service utilizing approved perchlorate treatment.*
1997	*VWC Well 157*	*Saugus*	*Sealed and capacity replaced by new well.*
1997	*NCWD Well 11*	*Saugus*	*Out of service.*
2002	*SCWD Stadium Well*	*Alluvium*	*Properly destroyed and capacity replaced by new well.*
2005	*VWC Well Q2*	*Alluvium*	*DPH (now DDW) approved perchlorate treatment removal in 2005 ~~2007~~; treatment was installed in 2005 and removed and relocated in 2007 for potential future use; well remains in service with no perchlorate detections.*
2006	*NCWD Well NC-13*	*Saugus*	*DPH (now DDW) approved annual ~~quarterly~~ monitoring, results have always been below the detection limit for reporting; well remains in service.*
2010	*VWC Well 201*	*Saugus*	*Out of service pending implementation of approved restoration plan ~~additional monitoring and evaluation of remediation alternatives~~.*
2012	*VWC Well 205*	*Saugus*	*Voluntarily out of service pending implementation of approved restoration plan for VWC Well 201.*

Source: 2015 ~~2010~~ Santa Clarita Valley UWMP (CLWA, et al. 2016 ~~2011~~).

Perchlorate was initially detected in 1997, in four wells operated by the purveyors in the eastern part of the Saugus Formation (Saugus 1, Saugus 2, VWC Well 157, and NCWD Well 11), near the former Whittaker-Bermite facility. In late 2002, the contaminant was detected in a fifth well, an Alluvium well (SCWD's Stadium Well) also located near the former Whittaker-Bermite site, which was immediately taken out of service and subsequently destroyed. Perchlorate was detected again in early 2005 in a second Alluvium well (VWC's Well Q2) near the former Whittaker-Bermite site, and in 2006 in very low concentrations (below the detection limit for reporting) in a Saugus well (NCWD's NC-13) near one of the originally impacted wells. In August 2010, perchlorate was detected in a sixth Saugus well (VWC's Well 201) that was removed from service. Most recently, in 2012, perchlorate was detected in VWC Well 205, also taken out of service. Wells actively involved in perchlorate mitigation are discussed in more detail below:

~~*In 2002 CLWA and the U.S. Army Corps of Engineers (ACOE) signed a cost-sharing agreement for a feasibility study of the area. Under federal and state law, the owners of the Whittaker-Bermite property have the responsibility for the groundwater cleanup. In February 2003, the California Department of Toxic Substances Control (DTSC) and the impacted purveyors entered into a voluntary cleanup agreement entitled Environmental Oversight Agreement. Under the Agreement, DTSC is providing review and oversight of the response activities being undertaken by CLWA and the purveyors related to the detection of perchlorate in the impacted wells. Under the Agreement's Scope of Work, CLWA and impacted purveyors prepared a Work Plan for sampling the production wells, a report on the results and findings of the production well sampling, a draft Human Health Risk Assessment, a draft Remedial Action Work Plan, an evaluation of treatment technologies and an analysis showing the integrated effectiveness of a project to restore impacted pumping capacity, extract perchlorate-impacted groundwater from two Saugus wells for treatment, and control the migration of perchlorate in the Saugus Formation. Based on treatment method pilot studies, selected ion exchange was determined to be the preferred treatment method for removing perchlorate. Environmental review of that project was completed in 2005 with adoption of a mitigated Negative Declaration. The Final Interim Remedial Action Plan for containment and extraction of perchlorate was completed and approved by DTSC in January 2006. Design and construction of the treatment facilities and related pipelines to implement the pump and treat program and to also restore inactivated municipal well capacity was completed in 2007. Treatment of the water began in 2010 and since 2011, the restored wells are now returned to service as part of the operational Saugus groundwater supply. In 2012, the Environmental Oversight Agreement was amended to include VWC Well 201.*~~

~~*In 2007, a final settlement was completed and executed to fund, remediate and treat the contaminated water from the impacted wells. The "Rapid Response Fund" established under this litigation settlement will be used if the remedy to contain perchlorate contamination in the Alluvium and portions of the Saugus Formation does not prevent migration of the perchlorate plume towards downgradient threatened wells (VWC Wells N, N-7, N-8, S6, S7, S8, 201 and 205 and NCWD Wells N-10, N-12 and N-13). The Rapid Response Fund provides up to $10 million for any additional costs of providing replacement water, associated operations and maintenance costs of treatment equipment and resin under the terms of the Agreement.*~~

~~*Most recently, in August 2010, perchlorate was detected in VWC's Saugus Well 201. Sampling in the months that followed confirmed the detection of perchlorate at concentrations that ranged from 5.7 to 16 micrograms per liter (µg/L). VWC removed Well 201 from service when perchlorate was first detected and is currently evaluating remediation alternatives, including wellhead treatment, in order to return the well to service and restore impacted well capacity.*~~

~~*Additional information on the perchlorate contamination and remediation efforts can be found in the 2010 Santa Clarita Valley UWMP and through a DTSC information repository.*~~

Saugus 1 and Saugus 2

In 2002 CLWA and the U.S. Army Corps of Engineers (ACOE) signed a cost-sharing agreement for a feasibility study of the area. Under federal and state law, the owners of the Whittaker-Bermite property have the responsibility for the groundwater cleanup. CLWA, the purveyors, and the Department of Toxic Substances Control (DTSC) signed an oversight agreement in 2003 (amended in 2012) regarding studies of treatment technologies for removing perchlorate

from water supplies, and also worked with DDW to obtain the necessary permits for these treatment processes. Treatment method pilot studies were conducted during 2003, and in 2004 CLWA and the purveyors selected ion exchange as the preferred treatment method for removing perchlorate.

Although that cost-sharing agreement expired in January 2005, the parties, under DTSC oversight, jointly developed a plan to "pump and treat" contaminated water from two of the purveyors' impacted wells to stop migration of the contaminant plume and to partially restore the municipal well capacity that had been impacted by perchlorate. The containment plan specified that wells Saugus 1 and Saugus 2 operate at an initial continuous pumping rate of 1,100 gpm (1,772 AFY) at each well, for a combined total of 2,200 gpm (3,544 AFY) from the two wells. The annual pumping volume of 1,772 AFY per well assumes that pumping will occur continuously, except for occasional maintenance purposes.

A final settlement to fund, remediate and treat the contaminated water was completed and executed by the parties in April 2007. Construction of the treatment facility and pipelines began in November 2007 and treatment of the water began in 2010. Water from Saugus 1 and Saugus 2 was initially treated and discharged into the Santa Clara River. DDW issued an amendment to CLWA's Operating Permit in December 2010, and the wells were placed back in water supply service in January 2011. Since then, CLWA (now SCV Water) has included this water as part of its supply and has been delivering this water to purveyors.

VWC Well Q2

In response to the detection of perchlorate at alluvial Well Q2, VWC removed the well from active service, and commissioned the preparation of an analysis and report assessing the impact of, and response to, the perchlorate contamination of that well. A capture zone analysis utilizing a numerical groundwater flow model was conducted to assess the potential risk of perchlorate migration to Well Q2 and other nearby VWC alluvial wells. This analysis determined that there was a low risk of perchlorate migration to Well Q2. VWC's response for Well Q2 was to install treatment facilities and return the well to water supply service in October 2005. After nearly two years of operation with wellhead treatment, including regular monitoring specified by the DPH (now DDW), all of which resulted in no detection of perchlorate in Well Q2, VWC requested that DDW allow treatment to be discontinued. DDW approved that request in August 2007, and treatment was subsequently discontinued. DDW-specified monitoring for perchlorate continues at Well Q2; there has been no detection of perchlorate since discontinuation of wellhead treatment.

NCWD Well NC-13

NCWD's Well NC-13 has remained in service with regular sampling per DDW requirements, with no subsequent detections of perchlorate. In 2007, the DDW established an MCL for perchlorate of 6 micrograms per liter (µg/L). For Saugus wells 1 and 2, DDW has imposed a requirement that perchlorate levels be below the Detection Level for Reporting (DLR) of 4 µg/L.

VWC Wells 201 and 205

In August 2010, perchlorate was detected in a sixth Saugus well (VWC's Well 201). Confirmation sampling in the months that followed confirmed the detection of perchlorate at

concentrations that ranged from 5.7 to 12 µg/L. VWC removed Well 201 from service when perchlorate was first detected and is currently pursuing remediation alternatives for Well 201 that are expected to involve methodologies already employed at other previously impacted wells. Pending regulatory approval by the DDW, the restoration alternative will be implemented, resulting in the return of VWC's Well 201 to service. Following the detection of perchlorate in Well 201 in 2010, VWC elected to minimize pumping from a nearby Saugus well (VWC's Well 205) to reduce potential perchlorate migration. In April 2012, VWC Well 205 was voluntarily taken out of service entirely when perchlorate was detected in low concentrations below the DLR (<4.0 µg/L). This well is planned to resume service as part of the implementation of the restoration and containment program at Well 201.

VWC and CLWA (now SCV Water) have submitted a recommendation plan to DDW to restore VWC Well 201 to service utilizing funding from the Whittaker Corporation and its insurer to install wellhead treatment of contaminated water from VWC Well 201. During the time VWC's Well 201 and 205 have been removed from service, the temporary loss of capacity was made up for from the remaining, non-impacted Saugus production facilities and imported water supplies. Restoration of VWC Well 201, operation of VWC Well 205, and new Saugus well construction to replace lost capacity and to expand production capacity from the Saugus Formation are planned to achieve target Saugus Formation capacity through single- and multiple-dry years.

Returning the impacted Saugus well (VWC Well 201) to municipal water supply service by installing treatment requires DDW approval before the water can be considered potable and safe for delivery to customers. The permit requirements are contained in Policy Memo 97-005 (DDW, 1997 updated 2015, DDW) for direct domestic use of impaired water sources.

Before issuing a permit to a water utility for use of an impaired source as part of the utility's overall water supply permit, DDW requires that studies and engineering work be performed to demonstrate that pumping the well and treating the water will be protective of public health for users of the water. The Policy Memo 97-005 requires that DDW review the local retail water purveyor's plan, establish appropriate permit conditions for the wells and treatment system, and provide overall approval of returning the impacted wells to service for potable use.

The Policy Memo 97-005 requires, among other things, the completion of a source water assessment for the impacted well intended to be returned to service. The purpose of the assessment is to determine the extent to which the aquifer is vulnerable to continued migration of perchlorate and other contaminants of interest from the Whittaker-Bermite site. The assessment has been completed and the initial draft was submitted to DDW for approval in 2015 and is currently undergoing revision to address DDW comments. It is estimated that the assessment will be finalized by 2018/2019, along with DDW issuing an amendment to VWC's Operating Permit to return Well 201 to service. Ultimately, VWC's plan and the DDW requirements are intended to ensure that the water introduced to the potable water distribution system has no detectable concentration of perchlorate and all water currently discharged from the potable water distribution system complies with all applicable drinking water standards.

Section 3: Objectives

The following table provides an overview of the *Objectives* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 3-1 IRWM Plan Standard Requirements – Objectives

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Through the objectives or other areas of the plan, the 7 items on Pg. 49 of GL are addressed[1].	49	2014 IRWMP: §6
Describe the collaborative process and tools used to establish objectives: • How the objectives were developed • What information was considered (i.e., water management or local land use plans, etc.) • What groups were involved in the process • How the final decision was made and accepted by the IRWM effort	48 - 50	2014 IRWMP: §6
Identify quantitative or qualitative metrics and measurable objectives: Objectives must be measurable - there must be some metric the IRWM region can use to determine if the objective is being met as the IRWM Plan is implemented. Neither quantitative nor qualitative metrics are considered inherently better[2].	49	2014 IRWMP: Table 6.1-1
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	2014 IRWMP: §6.1
Reference specific overall goals for the region: RWMGs may choose to use goals as an additional layer for organizing and prioritizing objectives, or they may choose to not use the term at all.	50	NA
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	This standard is met with the 2014 IRWMP: §5, Table 5.1-4, and §6.2.6, and Amendment Section 3.1
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	This standard is met with the 2014 IRWMP: §5, Table 5.1-4, §5.1.3.2.9, and §6.2.6; and Amendment Section 3.1

Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	This standard is met with the 2014 IRWMP: §5, §6.2.7, and Amendment Section 3.2
In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan.	39	This standard is met with the 2014 IRWMP: §5.1.1.1.3, and Amendment Section 3.3
Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	39	This standard is met with the 2014 IRWMP: §5, §6.2.7, and Amendment Section 3.2

Notes:
(1) Requirement must be addressed per CWC §10540 (c).
(2) Requirement must be addressed per CWC §10541 (e).

3.1 Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.

The 2014 IRWMP provides a thorough assessment of the following climate change evaluation criteria:

(1) The Region's ability to adapt to changes in the amount, intensity, timing, quality and variability of runoff and recharge (as noted in IRWMP Section 5, Table 5.1-4, Section 6.2.6).

(2) The potential effects of sea level rise (SLR) on water supply conditions and the identification of suitable adaptation measures (as noted in IRWMP Section 5, Table 5.1-4, Section 5.1.3.2.9, and Section 6.2.6).

(3) The reduction in energy consumption, energy embedded in water use, and ultimately the potential to reduce GHG emissions within the Region (as noted in IRWMP Section 5, and Section 6.2.7).

To further ensure these climate change evaluation criteria are considered in the IRWM Objectives and considered in the review of projects for implementation of the IRWMP, the text is amended as indicated in the Table below (Table 6.1-1 of the 2014 IRWM Plan).

These additions have also been added to the current Project Submission Form which is used by stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E.

IRWMP Section 6.2. Regional Objectives (page 6-4)

TABLE 6.1-1
UPPER SANTA CLARA RIVER IRWMP OBJECTIVES, DEFINITIONS AND MEASUREMENTS

Objective	*Measurement*
***Reduce Potable Water Demand**: Implement technological, legislative and behavioral changes that will reduce user demands for water.*	*Twenty (20) percent overall reduction in projected urban water demand throughout the Region by 2020 through implementation of water conservation measures.*
***Increase Water Supply**: Understand future regional demands and obtain necessary water supply sources.*	*Increase use of recycled water by up to 9,600 AFY by 2030, consistent with health and environmental requirements.* *Improve water system operational flexibility and efficiency.* *Increase water supply as necessary to meet anticipated peak demands at buildout in the LACWWD No. 37 service area (7.91 MGD) and peak demands at buildout in the Acton and Agua Dulce areas (up to 12.16 MGD).*
***Improve Water Quality**: Supply drinking water with appropriate quality; improve groundwater quality; and attain water quality standards.*	*Meet all drinking water standards.* *Prevent migration of contaminant plumes.* *Comply with TMDLs.*
***Promote Resource Stewardship**: Preserve and improve ecosystem health; improve flood management; and preserve and enhance water-dependent recreation.*	*In areas of the floodplain where the majority of plant species are invasive:* • *Reduce invasive plant species to 40 percent or less cover of the understory and canopy in years 1 to 5.* • *Every five (5) years reduce by half the percentage of invasive species.* • *In years 20 and beyond, keep invasive species to 5 percent or less.* *Keep invasive species to 2 percent or less in the upper reaches and tributaries where little to no invasive plants are currently located.* *Acquire 12 miles along the Santa Clara River for development as a recreational trail/park corridor.* *Acquire acreage or conservation easements for 10,900 acres of remaining proposed South Coast Missing Linkage.* *Purchase private property from willing sellers in the 100-year floodplain.*
***Flooding/Hydromodification:** Reduce flood damage and/or the negative effects on waterways and watershed health caused by hydromodification and flooding outside the natural erosion and deposition process endemic to the Santa Clara River.*	*Meet state permits and policies related to stormwater management.* *Reduce impervious area within the watershed.* *Promote low impact development, green streets and other stormwater recharge projects.*

Objective	*Measurement*
Take actions within the watershed to adapt to climate change	*Implement strategies that adapt flood management, water supply, water quality, water dependent recreation, water-dependent habitat, and fire risk for climate change, but also have other benefits that would occur in the absence of climate change ("no regrets strategies"). Consideration should be given to:* *Potential effects of climate change on the Region and whether adaptations to the water management system are necessary.* *Potential contributions to adapting to climate change vulnerabilities.* *Change in amount, timing, intensity, quality and variability of runoff and recharge.* *Effects of sea level rise on water supply conditions.*
Promote project and actions that reduce greenhouse gas (GHG) emissions	*Prioritize development and use of water source with lowest GHG emissions.* *Identify and implement the use of renewable energy and conservation of energy within water and wastewater systems.* *With assistance of local energy utility, perform energy audits on all water-related facilities regularly.* *Reduce, on an agency-by-agency basis, energy use per volume treated or delivered.* *Further considerations of GHG emissions shall include:* *Quantification of GHG emissions* *Ability to help the IRWM region reduce GHG emissions* *Reduces energy consumption (especially embedded energy in water use)*

3.2 Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.

The 2014 IRWMP provides a discussion of the reduction in energy consumption, energy embedded in water use, and ultimately the potential to reduce GHG emissions within the Region in Section 5, and Section 6.2.7. To further ensure this climate change evaluation is considered in the IRWM Objectives, see the proposed edit to Table 6.1-1 Upper Santa Clara River IRWMP Objectives, Definitions and Measurements) (page 6-4), shown above in this Amendment Section 3.1.

These additions have also been added to the current Project Submission Form which is used by Stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E.

To further assist Stakeholders with identifying and evaluating the energy requirements embedded in water use, information has been added to IRWMP Section 6.2.7:

IRWMP Section 6.2.7 Promote Reduced Greenhouse Gas Emissions (page 6-12)

As part of this Plan update, specific projects proposed for implementation will be evaluated in part based on their contribution to climate change, particularly their emissions per acre foot of water deliver, treated, or produced. Decreasing the amount of energy required to produce water supply is a way the Region can mitigate against further climate change impacts (e.g., reduction in pumping from the SWP). By optimizing facilities and using less energy intensive water resource strategies to meet needs, the Region and its Stakeholders can reduce GHG emissions and lessen future climate change impacts. The Region can also consider implementing green infrastructure projects that use natural solutions such as carbon sequestration (ex. peat production, wetland restoration, ocean storage) and/or projects that use renewable energy to reduce GHG emissions. As such, Stakeholders have identified a goal to promote projects and actions that reduce GHG emissions with the following measurement:

- *Prioritize development and use of water sources with lowest GHG emissions*
- *Identify and implement the use of renewable energy and conservation of energy within water and wastewater systems*
- *With assistance of local energy utility, perform energy audits on all water-related facilities regularly*
- *Reduce, on an agency-by-agency basis, energy use per volume treated or delivered*

Stakeholders can get additional information about embedded water use from the CARB's AB 32 Scoping Plan, and also through DWR from its Energy-Water Nexus website: http://www.water.ca.gov/climatechange/water-energy.cfm. Also helpful is the recently published DWR white paper, Connecting the Dots between Water, Energy, Food, and Ecosystems Issues for Integrated Water Management in a Changing Climate (February 2017), which can be found on the above weblink.

3.3 In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan.

The 2014 IRWMP provides a description of the AB 32 Global Warming Solutions Act and Executive Order S-3-05, including the Scoping Plan in IRWMP Section 5.1.1.1.3. To further suggest Stakeholders utilize this resource when evaluating projects the following edits to the IRWMP text is provided:

IRWMP Section 5.1.1.1.3. AB 32 Global Warming Solutions Act and Executive Order S-3-05 (page 5-2)

California continues to lead the nation in developing public policy responses to address issues related to climate change and GHG emissions — most notably through the implementation of Assembly Bill 32 (AB 32). AB 32 established GHG reduction targets for California and put the California Air Resources Board (ARB) in charge of implementation and rulemaking through the

development of the "Scoping Plan." AB 32 aims to reduce statewide GHG emissions to 1990 levels (427 million $MTCO_2e$) by 2020. California is currently at about 469 million $MTCO_2e$, and under the business-as-usual case, most recently updated in 2010, 2020 emissions are expected to be about 507 million $MTCO_2e$. In order to meet the 2020 target, California will need to reduce GHG emissions by about 80 million $MTCO_2e$, an approximate 16 percent reduction from the state's projected 2020 emissions, by 2020. To meet these targets a two percent reduction is needed each year for the next ten years. To accomplish the goal the state is pursuing a number of direct regulations and market-based mechanisms that have been laid out in a Scoping Plan. The core measures of the Scoping Plan are tailpipe standards, transportation and land-use changes, low carbon fuel standard, enhanced energy efficiency, a Renewables Portfolio Standard (RPS) of 20 percent by 2010 and 33 percent by 2020, and a Cap & Trade program. More information about the Scoping Plan can be found at: http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm.

The City of Santa Clarita Climate Action Plan (described in IRWMP Section 2.3.1.1) provides a methodology, measurement, and strategies for calculating the amount of GHG emissions generated within the City. In particular, Table 5-1 of the Climate Action Plan summarizes estimated 2020 CO2 emissions (MTCO2e) by sector in the City, including by water usage.

Stakeholders are encouraged to utilize the Scoping Plan and the City's Climate Action Plan as resources for identifying water management strategies to meet IRWMP objectives for adapting to climate change and reducing GHG emissions.

Section 4: Resource Management Strategies

The following table provides an overview of the *Resource Management Strategies* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 4-1 IRWM Plan Standard Requirements – Resource Management Strategies

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Address which RMS will be implemented in achieving IRWM Plan Objectives [(1)].	39	2014 IRWMP: §7.3
Identify RMS incorporated in the IRWM Plan: Consider all California Water Plan (CWP) RMS criteria listed in Table 3 from the CWP Update 2013	39	This standard is met with the 2014 IRWMP: §7.1, §7.2, §7.3, and Amendment Section 4.1
Consideration of climate change effects on the IRWM region must be factored into RMS. Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific climate change impacts. • Demonstrate how the effects of climate change on its region are factored into its RMS. • Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. • An evaluation of RMS and other adaptation strategies and ability of such strategies to eliminate or minimize those vulnerabilities, especially those impacting water infrastructure systems [(2)].	39	This standard is met with the 2014 IRWMP: §7.3, §5, and Amendment Section 4.2

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(1).
(2) Requirement must be addressed per CWC §10541 (e)(10).

4.1 Identify RMS incorporated in the IRWM Plan.

The 2014 IRWMP currently describes the 27 resource management strategies as identified in the 2009 California Water Plan Update that can be used to meet IRWMP objectives. The 2013 update to the California Water Plan includes three additional strategies: sediment management, outreach and engagement, water and culture.

As such, the following edits are made to the IRWMP as part of this Amendment. These additions have also been added to the current Project Submission Form which will be used by

Stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E.

IRWMP Section 7.1 Overview (page 7-1)

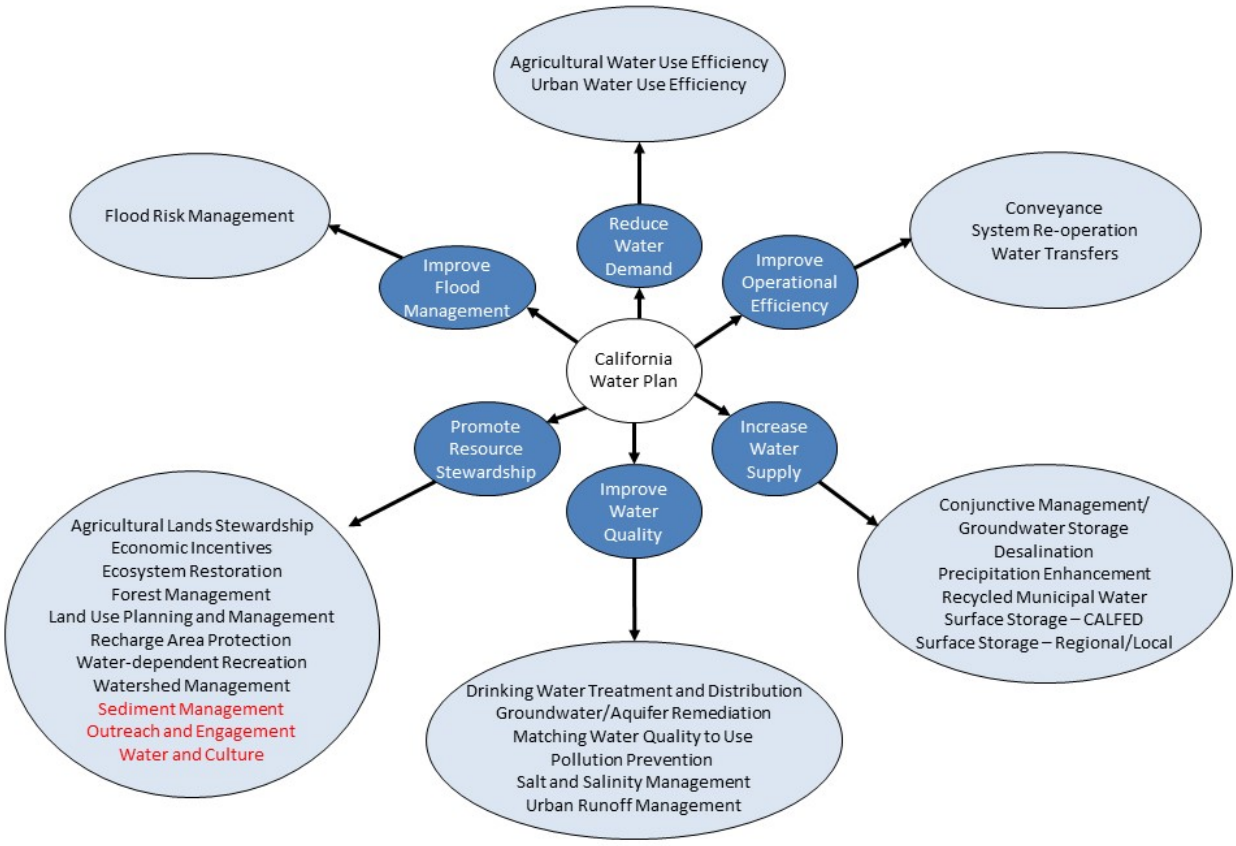
This section introduces a diverse menu of resource management strategies available to meet the resource management objectives within the Region. The State of California has identified ~~27~~ 30 different resource management strategies that can be used to improve water resource management. Section 7.2 defines and discusses each of the ~~27~~ 30 resource management strategies of the ~~2009~~ 2013 California Water Plan, in order to provide the reader with an understanding of the State's vision for possible ways to meet future resource management challenges. This section also serves to provide background for the common resource management tools available.

IRWMP Section 7.2 California Water Plan Resource Management Strategies (page 7-1)

This section describes the California Water Plan and each of the ~~27~~ 30 resource management strategies (please see Figure 7.2-1). The California Water Plan, which is updated every five years as required by the California Water Code, is a resource for water planners, managers and policy-makers faced with the task of acting as stewards of this resource. More concisely, it is a strategic plan for all regions of the State that addresses the uncertainty of future water needs by recommending a diversified approach, consisting of multiple strategies and a range of short- and long-term actions. Given the many water challenges the State must actively respond to, the California Water Plan deems it imperative that planning take place on a regional scale and that planning constitute an inclusive process involving multiple players, particularly local agencies and governments and their citizens.

IRWMP Section 7.2 California Water Plan Resource Management Strategies (Figure 7.2-1) (page 7-2)

FIGURE 7.2-1
~~TWENTY SEVEN~~ THIRTY RESOURCE MANAGEMENT STRATEGIES OF THE CALIFORNIA WATER PLAN



IRWMP Section 7.2 California Water Plan Resource Management Strategies (page 7-1); add the following new subsections:

7.2.5.9 Sediment Management (new Section)

When sediment is properly managed it can be a valuable resource benefitting the environment, improving water quality, providing recreation opportunities, flood control, and enhancing open space. Sediment is generally considered fragmented geological material such as silt, sand, gravel, chemical precipitates, and fossil fragments, and is also characterized as sand, silt, or clay, suspended in or settled on the bottom of a water body. Debris management is also associated with sediment management. Land disturbance, development, floods and wildfires all create conditions where sediment can be mobilized and carried downstream causing impacts. Management actions depend on whether the natural environment is involved (e.g., rivers,

streams, creeks, floodplains) or a built environment (e.g., water control structures, flood levees, dams), the source and type of sediment, systems transporting the sediment, and the location where sediment will be deposited.

7.2.5.10 Outreach and Engagement (new Section)

Outreach and engagement for water management is through the use of tools and practices by water agencies to facilitate contributions by the public toward good water management outcomes. Contributions include: providing insight to decision-makers on the best approaches for water management; adopting water-wise practices; supporting activities that result in beneficial water management outcomes; promoting collaboration and interdisciplinary approaches to solving problems; and ensuring access to water management information and decision-making. The overall goal of water management outreach and engagement is to develop increasingly knowledgeable citizens who can participate in public discussion effectively and debate water issues. With education and information, opinions are more readily formed based on data and choices about supporting a water management program are more informed.

7.2.5.11 Water and Culture (new Section)

"Water and Culture" as a resource management strategy recognizes how cultural values, uses, and practices are affected by water management, as well as how they affect water management, so that this relationship can help inform policies and decisions. Expression of cultural connections to water and water-dependent resources can involve a wide range of activities such as subsistence (ex., fishing, hunting), recreation (ex., swimming), spiritual activities (ex., medicinal uses, ceremonies), historic preservation and art. In California, there is a strong relationship between Native American Tribes and water. A failure to utilize cultural considerations can have significant cultural and political impacts, which may result in communities delaying projects and/or funding for essential projects. Likewise, cultural activities can help frame and promote needed management decisions.

IRWMP Section 7.3.4 Promote Resource Stewardship (page 7-28)

The three new California Water Plan strategies discussed above were also evaluated to see how they could assist in meeting the objectives of the USCR Region. As discussed in the IRWMP, strategies will be reviewed, enhanced, added or subtracted as the IRWMP progresses through time. As such, the following text is added to the IRWMP as part of this Amendment:

7.3.4.9 Sediment Management (new Section)

The Santa Clara River watershed and river system plays a major role in transporting large volumes of runoff generated within the Region and the surrounding foothills and mountains. As discussed in Section 7.3.5.1 (Flood Risk Management), the natural and constructed drainage system is designed to accommodate runoff from normal precipitation; however, the rapid urbanization in the Region has increased the amount of impervious areas thereby modifying original runoff patterns. In order to prevent increased velocities and flows of sediment through stormwater channelization, the majority of the Santa Clara River has been kept in a natural condition and flood control improvements necessary to protect development from flood hazards have generally consisted of buried bank stabilization projects. Buried bank stabilization has

been implemented along various reaches of the Upper Santa Clara River, including along the South Fork and San Francisquito Creek and within Reach 6.

The Santa Clara River Enhancement and Management Plan finalized in 2005 provides guidance on resource management within the 500-year floodplain limits, including acquisition of land adjacent to the river for flood protection, among other uses. Hundreds of acres of such land have since been acquired by the City of Santa Clarita for such purposes. Land adjacent to the River has also been set aside within Los Angeles County's adopted Newhall Ranch Specific Plan, where floodplain protection will be achieved through projects that include bank stabilization, detention basins combined with habitat areas, rip rap, and soft-bottom channels.

LACFCD operates and maintains major flood control facilities, including drainage channels, storm drains, sediment basins, streambed stabilization structures, and has constructed concrete-lined portions of the Santa Clara River and tributaries. Within the County areas, future major drainage improvements will primarily be constructed by developers as required for new master-planned communities.

Both the City and the County have substantial erosion control requirements for construction sites. There are Stormwater Pollution Prevention Plans (SWPPPs) for construction sites over 1 acre and erosion control plans for any construction site below one acre with exposed soil.

The City is also actively involved in preventing the CEMEX sand and gravel mine from being located in the Santa Clarita Valley, which would allow in-river mining and could contribute significantly to erosion.

7.3.4.10 Outreach and Engagement (new Section)

Within the USCR Region, outreach and engagement to the public on water related issues has become a necessity, a goal, and a benefit to making sound planning and policy decisions.

The City of Santa Clarita, for example, provides substantial opportunities for community outreach for many of its programs. When a City facility or program is being considered, there are many community workshops to take opinions about uses and impacts. The City holds two environmentally themed events each year, River Rally and Earth Arbor Day. Non-profits and government agencies provide information on programs and policies that the community can benefit from, including water conservation, being stewards of the Santa Clara River watershed, stormwater pollution preventions, and climate change. SCV Water also has multiple programs that educate the community about water-related resources that include public and school education programs, system and water leak audits, and conversation rebates.

The IRWMP process continues to be an open forum for RWMG members and Stakeholders to engage on water related issues, projects, concerns, and objectives. The public is continuously encouraged to participate in regular meetings, and presentations at these meetings are frequently based on stakeholder requests and questions. Planning efforts like the Urban Water Management Plan, Salt and Nutrient Management Plan, Enhanced Watershed Management Plan, and Groundwater Sustainability Plan depend on outreach to the public to ensure they are engaged in the process and that their visions and concerns can be adequately reflected in decision making.

7.3.4.11 Water and Culture (new Section)

"Water and Culture" as a strategy recognizes how cultural values, uses, and practices are affected by water management, as well as how they affect water management, so that this relationship can help inform policies and decisions. Where this is most pronounced is in communities with a strong Native American presence. The USCR Region is home to the Tatavium Band of Mission Indians, likely to share this connection between culture and water. The Region will continue to engage the Tatavium in IRWMP efforts including governance and implementation, during which time more will be learned about their cultural practices and how they can help shape future water supply management.

IRWMP Section 7.3.6 Resource Management Strategies (page 7-35)

In addition to the ~~27~~ 30 main water resource management strategies, the 2013 ~~2009~~ California Water Plan lists and describes other strategies that have potential to contribute to meeting one or more resource management objectives.

4.2 Consideration of climate change effects on the IRWM region must be factored into RMS.

As described in Section 7.3 of the IRWMP, the different management strategies identified in the California Water Plan were organized into five broad categories (reduce potable water demand, increase water supply, improve water quality, promote resource stewardship, and improve flood management). In addition to these five categories, this IRWMP also includes two objectives that relate to multiple resource management strategies: adaptation to climate change and actions to reduce greenhouse gases. These latter two objectives take into consideration the strong link between climate change and water use, supply, and quality, as well as natural resource stewardship. The objectives developed by the Stakeholders, including those related to climate change, factored into the selected resource management strategies described in the IRWMP.

Further, the IRWMP contains a detailed assessment of climate change (see IRWMP Section 5) as it relates to modeled effects within the Region, identified vulnerabilities, proposed mitigation and adaption to climate change, and in general how IRWMP objectives are impacted by, and respond to climate change.

Section 5: Integration

The following table provides an overview of the *Integration* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 5-1 IRWM Plan Standard Requirements – Integration

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Contains structure and processes for developing and fostering integration (1): - Stakeholder/institutional - Resource - Project implementation	39	2014 IRWMP: §7.4, §8.1, Table 8.1-1, §8.5, §11.1.2, §11.2

Note:
(1) If not included as an individual section use Governance, Project Review Process, and Data Management Standards per 2016 IRWM Guidelines, Pg. 52.

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 6: Project Review Process

The following table provides an overview of the *Project Review Process* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

The IRWMP includes a Project List which will continually evolve over time as projects are added, modified, completed, or removed. The current project list is provided in Attachment E. The RWMG has updated the process by which projects are evaluated for inclusion in the IRWMP, including an updated "Project Submission" form, also provided in Attachment E. Under this updated process, the RWMG will evaluate each project's Project Submission Form and either place the project on a Concept Project List, or on the IRWM Project List. New projects or modified projects are currently being solicited from Stakeholders and will be evaluated by the RWMG in Spring 2018. Both lists will appear in the IRWMP.

Table 6-1 IRWM Plan Standard Requirements – Project Review Process

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Process for projects included in IRWM plan must address 3 components: • procedures for submitting projects • procedures for reviewing projects • procedures for communicating lists of selected projects	39 - 40	2014 IRWMP: §8, Appendix D
Does the project review process in the plan incorporate the following factors:		
How a project contributes to plan objectives.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
How a project is related to Resource Management Strategies identified in the plan.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
The technical feasibility of a project.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
A projects specific benefits to a DAC water issue.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Environmental Justice considerations.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Project costs and financing.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D

Address economic feasibility.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Project status.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Strategic implementation of plan and project merit.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Status of the Project Proponent's IRWM plan adoption.	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D
Project's contribution to climate change adaptation. • Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary (1). • Consider the contribution of the project to adapting to identified system vulnerabilities to climate change effects on the region. • Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge. • Consider the effects of SLR on water supply conditions and identify suitable adaptation measures.	40	This standard is met with the 2014 IRWMP, Appendix D/Project Submission Form, and Amendment Section 6.1
Contribution of project in reducing GHGs compared to project alternatives. • Consider the contribution of the project in reducing GHG emissions as compared to project alternatives. • Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. • Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	40	This standard is met with the 2014 IRWMP, Appendix D/Project Submission Form, and Amendment Section 6.2
Specific benefits to critical water issues for Native American tribal communities.	53	This standard is met with Amendment Section 6.3

Note:

(1) Requirement must be addressed per CWC §10540 (e)(10).

6.1 Project's contribution to climate change adaptation.

The 2014 IRWMP provides a thorough assessment of the Region's ability to adapt to changes in the amount, intensity, timing, quality and variability of runoff and recharge as noted in Section 5, Table 5.1-4 (pg. 5-40), and in Section 6.2.6 (pg.6-12). To further ensure this climate change evaluation is considered in the IRWM Objectives, and therefore considered in the review of projects for consideration to the IRWMP, the climate change objectives in the IRWMP have been clarified as described in this Amendment Section 3.1. These additions have also been added to the current Project Submission Form which is used by Stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E. The Project Submission Form complies with the updated 2016 Proposition 1 Guidelines. Also included in Attachment E is a guidance document for Stakeholders for completing the form.

6.2 Contribution of project in reducing GHGs compared to project alternatives.

The 2014 IRWMP provides a discussion of the reduction in energy consumption, energy embedded in water use, and ultimately the potential to reduce GHG emissions within the Region in Section 5, and in Section 6.2.7 (pg. 6-12). To further ensure this climate change evaluation is considered in the IRWM Objectives, and therefore considered in the review of projects for consideration to the IRWMP, the climate change objectives in the IRWMP have been clarified as described in this Amendment Sections 3.1 and 3.2. These additions have also been added to the current Project Submission Form which is used by Stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E. The Project Submission Form complies with the updated 2016 Proposition 1 Guidelines. Also included in Attachment E is a guidance document for Stakeholders for completing the form.

6.3 Specific benefits to critical water issues for Native American tribal communities.

The Project Submission Form has been updated to allow a Stakeholder to identify whether a project may address a Disadvantaged Community, Tribal Community, or Environmental Justice concern and also provides links to more information to assist with this decision-making process. The updated Form is provided as Attachment E. The Project Submission Form complies with the updated 2016 Proposition 1 Guidelines. Also included in Attachment E is a guidance document for Stakeholders for completing the form.

Section 7: Impact and Benefit

The following table provides an overview of the *Impact and Benefit* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 7-1 IRWM Plan Standard Requirements – Impact and Benefit

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Discuss potential impacts and benefits of plan implementation within IRWM region, between regions, with DAC/EJ concerns and Native American Tribal communities.	40	2014 IRWMP: Table 8.3-1
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity).	55	2014 IRWMP: §8.4
Review and update the impacts and benefits section of the plan as part of the normal plan management activities.	55 - 56	2014 IRWMP: Table 1.3-1, §10.2.4

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 8: Plan Performance and Monitoring

The following table provides an overview of the *Plan Performance and Monitoring* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, indicating whether they have been met in the 2014 IRWMP and/or whether they will be addressed in this Amendment.

Table 8-1 IRWM Plan Standard Requirements – Plan Performance and Monitoring

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Contain performance measures and monitoring methods to ensure that IRWM objectives are met(1).	40	2014 IRWMP: §10.2.5, Table 10.2-2
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	2014 IRWMP: §10.2.6, Table 10.2-3
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	This standard is met with Amendment Section 8.1
Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM plans accordingly.	40	This standard is met with the 2014 IRWMP: §5.1.4.

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(7).

8.1 Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.

Section 10 of the 2014 IRWMP Update describes the data management efforts and technical analyses conducted during preparation of the IRWMP. The Section also examines monitoring, ongoing data management, and plan performance during implementation, and describes how performance data will be used to improve future versions of the IRWMP.

Section 10.2.4 specifically identifies how IRWMP projects will be reviewed and evaluated on a regular (every five years) basis to ensure that current plan objectives will be met and that the resulting Plan Projects offer the greatest benefit possible. If monitoring reveals that a project, or suite of projects, are not producing the anticipated result, corrective actions (whether it be improving a specific project, changing the project prioritization, strengthening the measures by which those projects are being monitored, etc.) can be implemented.

Table 10.2-2 specifically outlines the process for measuring plan performance, which stems from project performance. The following edit to Table 10.2-2 will further clarify that each project in the IRWMP is monitored to comply with all applicable rules, laws, and permit requirements.

IRWMP Section 10.2.5 Evaluation of Plan Performance (Table 10.2-2) (page 10-15)

TABLE 10.2-2
PROCESS FOR MEASURING PLAN PERFORMANCE

Responsibility for IRWMP Implementation Evaluation	*The RWMG, led by the Chair, will be responsible for evaluating IRWMP implementation performance*
Frequency of Evaluation	*The RWMG will annually evaluate success at implementing projects in the IRWMP*
Tracking Implementation	*Data, project descriptions, maps, and contact information for implementation projects will be posted on the IRWMP website. Upon project completion, there will be a posting of a summary of project evaluation measures, targets, and performance of the project compared to the target. This data will make it possible to determine how projects are advancing IRWMP objectives.* *The RWMG, lead by the Chair, will be responsible for tracking IRWMP implementation and ensuring implementation project data is available to the RWMG, Stakeholders, and other interested parties.*
Improving Implementation of Future Projects	*"Lessons Learned" will be incorporated during each update of the IRWMP. A Plan update has the benefit of input from the RWMG and the broader Stakeholder group. During Plan updates objectives and measures are reviewed, refined, and revised if necessary to reflect regional conditions and needs and to incorporate new data. Applicable Resource Management Strategies, to meet objectives, are also re-evaluated during each update.*
Responsibility for Project Specific Monitoring Plans	*The project proponent will have the responsibility for development of project-specific monitoring plans and will be responsible for project-specific monitoring activities. It is required that all IRWMP projects comply with all applicable rules, laws, and permit requirements.*
Timing of Project Specific Monitoring Plans	*Project specific monitoring plans shall be prepared prior to the start of project construction or implementation.*

Section 9: Data Management

The following table provides an overview of the *Data Management* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 9-1 IRWM Plan Standard Requirements – Data Management

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Describe data needs within the IRWM region.	59 - 60	2014 IRWMP: §10.1.2, Table 10.1-1
Describe typical data collection techniques.	59 - 60	2014 IRWMP: §10.2, Table 10.2-1
Describe stakeholder contributions of data to a data management system.	59 - 60	2014 IRWMP: Table 10.2-1
Describe the entity responsible for maintaining data in the data management system.	59 - 60	2014 IRWMP: Table 10.2-1
Describe the QA/QC measures for data.	59 - 60	2014 IRWMP: Table 10.2-1
Explain how data collected will be transferred or shared between members of the RWMG and other interested parties throughout the IRWM region, including local, State, and federal agencies (1).	59 - 60	2014 IRWMP: Table 10.2-1
Explain how the Data Management System supports the RWMG's efforts to share collected data	59 - 60	2014 IRWMP: Table 10.2-1
Outline how data saved in the data management system will be distributed and remain compatible with State databases including CEDEN, Water Data Library (WDL), CASGEM, California Environmental Information Catalog (CEIC), and the California Environmental Resources Evaluation System (CERES).	59 - 60	2014 IRWMP: Table 10.2-1

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(12).

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 10: Finance

The following table provides an overview of the *Finance* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 10-1 IRWM Plan Standard Requirements – Finance

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Include a programmatic level (i.e. general) plan for implementation and financing of identified projects and programs (1) including the following:	41	2014 IRWMP: §9
List known, as well as, possible funding sources, programs, and grant opportunities for the development and ongoing funding of the IRWM Plan.	41	2014 IRWMP: §9, Table 9.1-1, Table 9.1-2
List the funding mechanisms, including water enterprise funds, rate structures, and private financing options, for projects that implement the IRWM Plan.	41	2014 IRWMP: §9, Table 9.1-2
An explanation of the certainty and longevity of known or potential funding for the IRWM Plan and projects that implement the Plan.	41	2014 IRWMP: §9, Table 9.1-2
An explanation of how operation and maintenance (O&M) costs for projects that implement the IRWM Plan would be covered and the certainty of operation and maintenance funding.	41	2014 IRWMP: §9, Table 9.1-2

Notes:
(1) Requirement must be addressed per CWC §10541 (e)(8).

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 11: Technical Analysis

The following table provides an overview of the *Technical Analysis* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 11-1 IRWM Plan Standard Requirements – Technical Analysis

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Document the data and technical analyses that were used in the development of the plan (1).	41	2014 IRWMP: §10.1

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(11).

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 12: Relation to Local Water Planning

The following table provides an overview of the *Relation to Local Water Planning* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 12-1 IRWM Plan Standard Requirements – Relation to Local Water Planning

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Identify a list of local water plans used in the IRWM plan.	41	2014 IRWMP: §10.1.1
Describe the dynamics between the IRWM plan and other planning documents.	41	2014 IRWMP: §11.1.1, §10.1
Describe how the RWMG will coordinate its water management planning activities.	41	2014 IRWMP: §1.3.1, §10.2
Discuss how the plan relates to these other planning documents and programs. Same as 2012 GL with the following addition: "It should be noted that Water Code § 10562 (b)(7) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans." Minor wording differences - e.g. Groundwater Sustainability Plan example in the 2016 Guidelines instead of Groundwater Management Plan in the 2012 Guidelines.	63 - 64	This standard is met with Amendment Section 12.1
Consider and incorporate water management issues and climate change adaptation and mitigation strategies from local plans into the IRWM Plan.	63 - 64	This standard is met with the 2014 IRWMP: §11.1.1.

12.1 Discuss how the plan relates to these other planning documents and programs.

The 2014 IRWMP will be updated with information relating to the adoption and incorporation of the regional Stormwater Resources Plan) as well as recent updates relating to the formation of a Groundwater Sustainability Agency and proposed development of a Groundwater Sustainability Plan per the 2014 Sustainable Groundwater Management Act. The following edits are made to the IRWMP:

IRWMP Section 10.1.1.4 Resource Conservation Plans (page 10-5)

Santa Clara River Enhancement and Management Plan

The purpose of the SCREMP is to provide a guidance document for the preservation, enhancement, and sustainability of the physical, biological, and economic resources that occur within the 500-year floodplain limits of the Santa Clara River, one which will be of benefit to Stakeholders when planning and implementing projects and activities. The plan was prepared by the Ventura County Watershed Protection District (VCWPD) and the LACDPW. The final SCREMP document summarizes reports that were prepared in 1995 and 1996, characterizing biological and water resources, cultural resources, aggregate, flooding, and access and recreation. More recent products include wetland plant and environmental permitting guides for Stakeholders, a workstation at the County that will allow the public to use available information to develop their environmental permit application materials, and a water quality monitoring station at the Los Angeles/Ventura County line to improve the existing river water quality database.

Stormwater Resources Plan (SWRP)

In 2014, the City of Santa Clarita and County of Los Angeles, with participation from the RWMG, developed an Enhanced Watershed Management Program (EWMP) and Coordinated Integrated Monitoring Plan (CIMP) to comply with requirements in the 2012 Los Angeles County Municipal Separate Storm Sewer System (MS4) Permit. Preparation of the EWMP and CIMP allowed for a collaborative approach to comprehensively evaluate opportunities to manage stormwater flows within the USCR Region, while also achieving other benefits including flood control and water supply.

CA Water Code § 10562 (b)(7) (i.e. SB 985) requires the development of a stormwater resource plan (SWRP) (see SB 985 legislation provided in Attachment F). In the Santa Clarita Valley the SWRP in comprised of three documents; the EWMP, the CIMP, and the IRWMP itself. The EWMP and CIMP were adopted by the City of Santa Clarita in 2016. In March 2016 the SWRCB informed the City that three the documents together constitute a functionally equivalent SWRP, that is consistent with the requirements of the CWC and mandatory requirements in the State Water Board's SWRP Guidelines. Per Senate Bill 985, the EWMP and CIMP were formally incorporated into the IRWMP in May 2016. The RWMG approved the incorporation of the document into the IRWMP and proof of its incorporation is provided as Attachment F. For additional information on the SWRCB's acceptance of the EWMP, CIMP, and IRWMP as a functionally equivalent SWRP, see also the Storm Water Resource Plan Checklist and Self-Certification form, also provided in Attachment F.

IRWMP Section 3.1.1.5.1 Sustainable Groundwater Management Act (new Section) (page 3-5)

The Sustainable Groundwater Management Act (SGMA) passed in 2014 and was amended in 2015 creating a framework for sustainable, local groundwater management in California. SGMA directed DWR to identify and prioritize groundwater basins (the Santa Clara River Valley East Subbasin is designated high priority) for the purpose of implementing SGMA and requires the creation of groundwater sustainability agencies (GSAs), and that groundwater sustainability plans (GSPs) for priority basins be completed no later than 2022.

In May 2017, CLWA, CLWA Santa Clarita Water Division, Los Angeles County Waterworks District #36, Newhall County Water District, the City of Santa Clarita, and County of Los Angeles formed the SCV-GSA. The SCV-GSA is taking steps to commence GSP development and will conduct the necessary public outreach. The SCV-GSA fully intends to develop and implement the GSP by the required deadline and it is anticipated that the data and policies of the GSP will inform the future update of the IRWMP.

IRWMP Section 5.1.3.2.2 Water Supply (page 5-45)

Climate change projections suggest continued highly variable annual precipitation with slightly drier climate by mid-century. The overall impact will include reductions in SWP imported water and greater reliance on groundwater supplies with the potential to affect long-term planning.

Suggested Regional adaptation strategies to address potential reductions in water supply include the following:

- *Expand water storage and conjunctive management of surface and groundwater resources.*
- *Reduce reliance on imported SWP water, which depends on the Sierra snowpack for water supply.*
- *Enhance use of recycled water for appropriate uses as a drought-proof water supply.*
- *Enhance practices of water exchanges and water banking outside the Region to supplement water supply.*
- *Encourage local agencies to develop and implement AB 3030 Groundwater Management Plans or Groundwater Sustainability Plans as a fundamental component of the IRWM plan.*
- *Develop plans for local agencies in the Region to monitor the elevation of their groundwater basins.*

Encourage cities and the county agencies in the Region to adopt local ordinances that protect the natural functioning of groundwater recharge areas.

IRWMP Section 10.1.1.1 Water Resource Management Reports (page 10-2)

These reports document the reliability and availability of the Region's water supplies to meet current and projected demands. These reports include both urban water management plans and groundwater management plans.

The California Urban Water Management Planning Act applies to public and private municipal water suppliers with more than 3,000 connections or supplying more than 3,000 AFY. The act requires suppliers to describe and evaluate sources of water supply, efficient uses of water, certain demand management measures (DMMs), implementation strategy and schedule, and other relevant information and programs. This information is used by the urban water supplier to develop an UWMP which is submitted to DWR in years ending in five and zero (e.g., 2000, 2005, 2010).

AB 3030, the Groundwater Management Act, authorized local agencies to prepare groundwater management plans for groundwater basins not subject to adjudication or other form of regulation. AB 3030 lays out a procedure for development of a groundwater management plan. The act also specifies twelve technical components which can be included in a groundwater management plan, including replenishment strategy, mitigation of overdraft, mitigation of contaminated groundwater, and avoidance of saline intrusion.

SGMA passed in 2014 and was amended in 2015 creating a framework for sustainable, local groundwater management in California. SGMA directed DWR to identify and prioritize groundwater basins within the State. The Santa Clara River Valley East Subbasin is designated high priority. SGMA also requires the creation of GSAs and that GSPs be completed for medium and high priority basins no later than 2022.

IRWMP Section 10.1.1.1 Water Resource Management Reports (page 10-3)

Castaic Lake Water Agency GWMP

CLWA has prepared a GWMP, pursuant to AB 3030 for the Santa Clara River Valley Groundwater Basin, East Subbasin. The East Subbasin is comprised of two aquifer systems, the Alluvium generally underlying the Santa Clara River and its several tributaries, and the Saugus Formation which underlies much of the entire Upper Santa Clara River area. The GWMP provides background information on the East Subbasin. The GMWP has also led to on-going data monitoring and reporting, detailed in section 10.1.3.

Santa Clarita Valley Groundwater Sustainability Plan

The SCV-GSA intends to develop and implement a GSP by the required deadline of 2022 per the SGMA. See Section 3.1.1.5.1 for additional details.

Section 13: Relation to Local Land Use Planning

The following table provides an overview of the *Relation to Local Land Use Planning* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 13-1 IRWM Plan Standard Requirements – Relation to Local Land Use Planning

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Document current relationship between local land use planning, regional water issues, and water management objectives.	41	2014 IRWMP: §11.1.1
Document future plans to further a collaborative, proactive relationship between land use planners and water managers.	41	2014 IRWMP: §11.1.2
Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to climate change, and potentially offset climate change impacts to water supply in California.	41	This standard is met with the 2014 IRWMP: §11.1.1, and Amendment Section 13.1

13.1 Demonstrate information sharing and collaboration with regional land use planning.

Section 11.1.1 of the 2014 IRWMP Update describes the linkages and dynamics between the IRWMP and local planning. To further demonstrate this, the following edit is suggested for the IRWMP:

IRWMP Section 11.1.1 Linkages Between the IRWMP and Local Planning Documents (page 11-1)

This section describes the linkages and dynamics between the IRWMP and local planning. The IRWMP has drawn heavily on existing planning documents and planning programs of local agencies in the following ways described below.~~:~~ The local land use agencies and regional planning departments are collaborating with water purveyors to more effectively manage the Region's water demand and infrastructure with respect to climate change impacts (e.g., the Santa Clarita Valley 2015 Urban Water Management Plan). Land use planning agencies regularly participate in the IRWMP and in other areas of water management such as the SCV-GSA and regional recycled water planning. Their input, specifically with regard to climate change, will help to potentially offset climate change impacts to water supply in California.

Section 14: Stakeholder Involvement

The following table provides an overview of the *Stakeholder Involvement* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 14-1 IRWM Plan Standard Requirements – Stakeholder Involvement

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Discuss involvement of DACs and tribal communities in the IRWM planning effort.	41 - 42	2014 IRWMP: §2.5.3, §11.3, §11.3.2
Describe decision-making process and roles that stakeholders can occupy.	41 - 42	2014 IRWMP: Table 1.3-1, §1.3.2.1.7
Discuss how stakeholders are necessary to address objectives and RMS.	41 - 42	2014 IRWMP: Table 1.3-1, §1.3.2.2, §1.3.2.3
Discuss how a collaborative process will engage a balance in interest groups.	41 - 42	2014 IRWMP: §11.3.3, 11.3.4, §1.3
Contain a public process that provides outreach and opportunity to participate in the IRWM plan (1). Per 2016 GL: "Native American tribes – It should be noted that tribes are sovereign nations, and as such coordination with tribes is on a government-to-government basis."	41 - 42	This standard is met with the 2014 IRWMP: §11.2.1, §11.2.2, §11.3, §11.3.2, and Amendment Section 14.1
Identify process to involve and facilitate stakeholders during development and implementation of IRWM plan regardless of ability to pay; include description of any barriers to involvement (2). "Stakeholder Involvement" in the 2012 GL is referred to "Native American Tribe and Stakeholder Involvement" in the 2016 GL and Tribes are referred to specifically.	41 - 42	This standard is met with the 2014 IRWMP: §11, and Amendment Section 14.2

Notes:
(1) Requirement must be addressed per CWC §10540 (g).
(2) Requirement must be addressed per CWC §10541 (h)(2).

14.1 Contain a public process that provides outreach and opportunity to participate in the IRWM plan.

Participation in IRWMP is described in Sections 11.2.1 and 11.2.2 of the 2014 IRWMP. Implementation by DACs and Native American Tribes is described in Section 11.3 and 11.3.2 of the 2014 IRWMP. Over the past few years (2015-2017 and ongoing) the RWMG made a concerted effort to further engage and understand the needs of DACs and Tribal Communities. As such, the following text is included to reflect recent DAC and Tribal activities:

IRWMP Section 11.3. Disadvantaged Community Outreach (page 11-4)

As defined by the Integrated Regional Water Management Plan Guidelines, a DAC is a municipality, including, but not limited to a city, town or county, or a reasonably isolated and divisible segment of a larger municipality, that has an average median household income (MHI) that is less than 80 percent of the statewide annual MHI. In 2010, 80 percent of the State of California's MHI was $48,706. As described in Section 2.5.3, no communities that meet the strict State definition of a DAC were identified within the Region during the 2014 Update. However, because cost of living varies from place to place, a statewide income measure may not be entirely applicable to a specific area. This fact is illustrated by the City of Santa Clarita housing assistance guidelines. The City of Santa Clarita housing assistance guidelines were used as a proxy measure of what income levels could be characterized as disadvantaged within the Region. By these proxy standards, a household of 4 persons would be considered disadvantaged if household income were less than $59,200.

In the spirit of providing "a safe, clean, affordable, and sufficient water supply to meet the needs of California residents, farms, and businesses" (CWC §79501(b)), an outreach effort directed at DAC members was developed during the 2008 IRWMP process. An initial DAC Outreach Subcommittee was formed, consisting of the City of Santa Clarita, LACDPW, and RMC. During this initial effort, as well as during the 2014 IRWMP update with the assistance of DWR's DAC Mapping Tool, no DACs were identified within the Region. As a result, the subcommittee ~~has~~ did not actively conduct outreach during the 2014 IRWMP update.

As part of the 2016 IRWM Guidelines, DWR provided an expanded version of DACs which also includes economically distressed areas (EDAs), or underrepresented communities.

In 2016, DWR made Proposition 1 funding available to assist with DAC (including EDAs and underrepresented communities) outreach and education. Accordingly, a Disadvantaged Community Involvement Program (DACIP) Task Force for the Ventura-Los Angeles funding area, composed of representatives from the USCR IRWMP Region, Watersheds Coalition of Ventura County IRWM Region, and Greater Los Angeles County IRWM Region, was created to facilitate implementation of a Funding Area-wide DACIP that meets the objectives of the Proposition 1 DACIP IRWM Grant Program. All three IRWM Regions have identified the need for resources to support a more comprehensive assessment and education process as a critical step forward in further understanding the water management needs within their disadvantaged communities, economically distressed areas, and underrepresented communities, including Native American Tribes.

Through this effort, DACs in the USCR region were identified within the areas of Newhall, Valle del Oro/Upstream Newhall Creek, Canyon Country, Bouquet Canyon/Seco Canyon Neighborhood, Lake Hughes/Munz/Elizabeth, Val Verde, Castaic, Acton, and Agua Dulce. Efforts to reach out to DACs were focused within city limits. A "DAC IRWM Grant Process Strategy Concept" was prepared that included meeting with the City's Community Services Division staff members (who currently provide services and outreach to those DACs) to receive initial input on potential projects in the Canyon Country and Newhall areas. Funding from the DACIP to carry out local outreach, partnering, and local capacity building through technical assistance will ensure the opportunity for involvement in IRWM planning efforts affecting DACs and including Native American tribes. The results of the DACIP efforts will be fully described in a report after its completion in 2021. Updates can also be obtained from the lawaterplan.org website.

IRWMP Section 11.3.2 Native American Tribes (page 11-4)

Open channels of communication and good working relationships are already established between agencies/companies of the Santa Clarita Valley and the Tataviam Band of Mission Indians due to several development projects involving their lands. Invitations to the IRWM meetings were extended; a representative from the group attended early stakeholder meetings and continues to periodically attend meetings and communication is maintained with the tribe via email. It is noted that Tribes are sovereign nations, and as such coordination with Tribes is on a government-to-government basis.

The USCR Region also contacted the Native American Heritage Commission (NAHC) to determine if the Region was home to any additional federally-recognized tribes or tribal interests. The response from the NAHC indicated that there may be some additional cultural presence in the Region and provided a list of tribes culturally affiliated to the project area. A letter was sent by the RWMG to each of the individuals on the listing to explain the IRWM Plan process, provide contact and website information and encourage participation. The NAHC responded with a list of 16 local tribal members to contact for potential interest in the IRWM Program. Outreach will continue to be ongoing.

14.2 Identify process to involve and facilitate Stakeholders during development and implementation of IRWM plan regardless of ability to pay.

Section 11 of the 2014 IRWMP Update discusses how the local planning entities, State and Federal Agencies, DACs, Native American Tribes, and the general public are encouraged to participate in the IRWMP. Section 11.3.3 includes a listing of how public outreach should be accomplished (ex., advertisement, email, project website, direct mail, public workshops). It also discusses how the intent has been, and will continue to be, the involvement of all people and agencies that have an interest in water resources. The implemented outreach efforts described in the IRWMP encourage involvement of diverse groups and outreach to new interested parties.

Outreach specific to Native American Tribes is further addressed in this Amendment Section 14.1. Edits to the IRWMP include specifically noting that Tribes are sovereign nations, and as such coordination with Tribes is on a government-to-government basis.

Section 15: Coordination

The following table provides an overview of the *Coordination* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 15-1 IRWM Plan Standard Requirements – Coordination

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies (1).	42	2014 IRWMP: §11.1.2, Table 1.3-1
Identify neighboring IRWM efforts and ways to cooperate or coordinate, and a discussion of any ongoing water management conflicts with adjacent IRWM efforts.	42	2014 IRWMP: §1.3.3, Table 1.3-1
Identify areas where a state agency or other agencies may be able to assist in communication or cooperation, or implementation of IRWM Plan components, processes, and projects, or where State or federal regulatory decisions are required before implementing the projects.	42	2014 IRWMP: §11.2

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(13).

This IRWM Plan Standard is fully addressed in the 2014 IRWMP.

Section 16: Climate Change

The following table provides an overview of the *Climate Change* IRWM Plan Standard Requirements, according to 2016 IRWM Guidelines, that have been met in the 2014 IRWMP and those that will be addressed in this Amendment.

Table 16-1 IRWM Plan Standard Requirements – Climate Change

Requirement from IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	Location of Standard (2014 IRWMP or 2018 Amendment)
Contain a plan, program, or methodology for further data gathering and analysis of prioritized vulnerabilities.	42 - 44	2014 IRWMP: §5.1.4
Include climate change as part of the project review process.	42 - 44	2014 IRWMP: Table 8.1-1
Evaluate IRWM region's vulnerabilities to climate change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning [(1)]. Addition in 2016 GL - "At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B."	42 - 44	This standard is met with the 2014 IRWMP: §5.1, and Table 5.1-4
Provide a process that considers GHG emissions when choosing between project alternatives [(1)]. Addition in 2016 GL - "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives."	42 - 44	This standard is met with the 2014 IRWMP: §2.3.1.1, §5, and Amendment Section 16.1
Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process. Addition in 2016 GL - "A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities."	42 - 44	This standard is met with the 2014 IRWMP: §5, §5.1.2, §5.1.2.2, §5.1.2.3, and §5.1.2.4
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff	42 - 44	This standard is met with the 2014 IRWMP: §5, Appendix

and recharge.		D/Project Submission Form, and Amendment Section 3.1
Areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	42 - 44	This standard is met with the 2014 IRWMP: §5, and Amendment Section 3.1.

Notes:
(1) Requirement must be addressed per CWC §10540 (e)(9).

16.1 Provide a process that considers GHG emissions when choosing between project alternatives.

The 2014 IRWMP provides a discussion of the City of Santa Clarita Climate Action Plan (Section 2.3.1.1) which assists in evaluating and assessing the impact from GHG emissions. Further, the IRWMP contains a technical study of the effects of Climate Change on the USCR Region (provided as Section 5). This section provides multiple resources (legislation, climate action plans, state resources, weblinks, etc.) that Stakeholders can use to help determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives.

To further ensure project review process considers GHG emissions in reviewing projects, the IRWM Objectives (Table 6.1-1 Upper Santa Clara River IRWMP Objectives, Definitions and Measurements) [page 6-4]) have been updated as shown above in this Amendment Section 3.1.

Lastly, these additions have also been added to the current Project Submission Form which is used by Stakeholders to submit projects for consideration into the IRWMP. The updated Form is provided as Attachment E.

Attachment A: DWR Plan Review Tool

Date: 4/11/2018

IRWM Plan Review Form

(Per 2016 Plan Standards)

IRWM Planning Region: Los Angeles/Ventura

Regional Water Management Group: Upper Santa Clara River

IRWM Plan Title: Upper Santa Clara River IRWMP (February 2014)

DWR Reviewer:

RESULT: PLAN IS SUFFICIENT

IRWM Plan Standard	Overall Standard Sufficient (yes/no)	One or More Requirement(s) Insufficient
Governance	Yes	
Region Description	Yes	
Objectives	Yes	X
Resource Management Strategies	Yes	
Integration *	Yes	
Project Review Process	Yes	
Impact and Benefit	Yes	
Plan Performance and Monitoring	Yes	
Data Management	Yes	
Finance	Yes	
Technical Analysis	Yes	
Relation to Local Water Planning	Yes	
Relation to Local Land Use Planning	Yes	
Stakeholder Involvement	Yes	
Coordination	Yes	
Climate Change	Yes	

* If not included as an individual section use Governance, Project Review Process, and Data Management Standards per 2016 Guidelines, p. 52.

Additional Comments:

IRWM Plan Standard: Governance					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
The RWMG and individual project proponents who adopted the Plan"	37	n	Q		Please see Amendment Section 1.1. Updated status of IRWMP adoptions.	y
A description of the IRWM governance structure including a discussion of whether or how Native American tribes will participate in the RWMG.	37	n	Q		2014 IRWMP §1.3.1. Please also see Amendment Section 1.2. Minor revisions to clarify outreach to Native American Tribes.	y
A description of how the chosen form of governance addresses and insures:						
Public outreach and involvement processes	37	y/n/q	y	2014 IRWMP: Table 1.3-1, Table 1.3.2, §11.3.3, Appendix A		y
Effective decision making	37	y/n/q	y	2014 IRWMP: §1.3, §1.3.1.1		y
Balanced access and opportunity for participation in the IRWM process	37	y/n/q	y	2014 IRWMP: Table 1.3-1, Table 1.3.2, §11.3.3, Appendix A		y
Effective communication – both internal and external to the IRWM region	37	y/n/q	y	2014 IRWMP: Table 1.3-1, §1.3		y
Long term implementation of the IRWM Plan	37	y/n/q	y	2014 IRWMP: Table 1.3-1, §1.3.1.6, §8.5		y
Coordination with neighboring IRWM efforts and State and federal agencies	37	y/n/q	y	2014 IRWMP: §1.3.3, §11.2		y
The collaborative process(es) used to establish plan objectives	38	y/n/q	y	2014 IRWMP: Table 1.3-1, §6.1, Appendix A		y
How interim changes and formal changes to the IRWM Plan will be performed	38	y/n/q	y	2014 IRWMP: §8.5.1.2, §7.4		y
Updating or amending the IRWM Plan	38	y/n/q	y	2014 IRWMP: §8.5.1.2, §7.4.	Please also see Amendment Section 1.3. Minor revisions clarifying updating or amending IRWMP.	y

IRWM Plan Standard: Region Description				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
If applicable, describe and explain how the plan will help reduce dependence on the Delta supply regionally.	38	y/n	y	2014 IRWMP: Table 8.3.1, §7.3.1		y
Describe watersheds and water systems	38	y/n	y	2014 IRWMP: §1.1, §2, §2.1, §2.7, §3		y
Describe internal boundaries	38	y/n	y	2014 IRWMP: §1.1, §2		y
Describe water supplies and demands for minimum 20 year planning horizon	38	y/n	y	2014 IRWMP: §3.1, Table 3.1-1, §3.3, Table 3.3-1		y
Describe social and cultural makeup,including specific information on DACs and tribal communities in the region and their water challenges.	38	y/n/q	y	2014 IRWMP: §2.5, 2.5.3;	Please also see Amendment Section 2.1. Added Native American Tribe description.	y
Describe major water related objectives and conflicts **(1)**.	38	y/n/q	y	2014 IRWMP: §3.4, §6		y
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	y/n/q	y	2014 IRWMP: §1.1.1		y
Describe neighboring and/or overlapping IRWM efforts	38	y/n	y	2014 IRWMP: §1.3.3		y
Explain how opportunitiesare maximized (e.g. people at the table, natural features, infrastructure)for integration of water management activities	38	y/n	y	2014 IRWMP: §1.1, §1.2, Figures 1.1-1 and 1.1-2		y
Describe water quality conditions. If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination **(2)**.	38	y/n	y	2014 IRWMP: §3.2.2.1, §3.2.4.	Please also see Amendment Section 2.2. Updated perchlorate contamination discussion.	y
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	y/n	y	2014 IRWMP: Section 5	This standard is met with the 2014 IRWMP Section 5.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(3).

(2) Requirement must be addressed per CWC §10541 (e)(14).

IRWM Plan Standard: Plan Objectives				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Through the objectives or other areas of the plan, the 7 items on pg 49 of GL are addressed **(1)**.	49	y/n	y	2014 IRWMP: §6		y
Describe the collaborative process and tools used to establish objectives: - How the objectives were developed - What information was considered (i.e., water management or local land use plans, etc.) - What groups were involved in the process - How the final decision was made and accepted by the IRWM effort	48 - 50	y/n	y	2014 IRWMP: §6		y
Identify quantitative or qualitative metrics and measureable objectives: Objectives must be measurable - there must be some metric the IRWM region can use to determine if the objective is being met as the IRWM Plan is implemented. Neither quantitative nor qualitative metrics are considered inherently better **(2)**.	49	y/n/q	y	2014 IRWMP: Table 6.1-1		y
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	y/n/q	y	2014 IRWMP: §6.1		y
Reference specific overall goals for the region: RWMGs may choose to use goals as an additional layer for organizing and prioritizing objectives, or they may choose to not use the term at all.	50	y/n	y	NA	As allowed by the guidelines, the RWMG choose not to use goals as an additional layer for organizing and prioritizing objectives.	n
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	y/n	y	2014 IRWMP: Chapter 5, Table 5.1-4, Section 6.2.6;	Please also see Amendment Section 3.1. Clarified Objectives language.	y
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	y/n	y	2014 IRWMP: Chapter 5, Table 5.1-4, Section 5.1.3.2.9, Section 6.2.6;	Please also see Amendment Section 3.1. Clarified Objectives language.	y
Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	y/n	y	2014 IRWMP: Chapter 5, Section 6.2.7.	Please also see Amendment Section 3.2. Clarified Objectives language.	y
In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan1.	39	y/n	y	2014 IRWMP: Section 5.1.1.1.3;	Please also see Amendment Section 3.3. Minor revisions, addressed CARB AB 32 Scoping Plan more clearly.	y
Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	39	y/n	y	2014 IRWMP: Section 5, Section 6.2.7;	Please also see Amendment Section 3.2. Minor revisions, recommended carbon sequestration and renewable energy.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (c).

(2) Requirement must be addressed per CWC §10541 (e).

IRWM Plan Standard: Resource Management Strategies (RMS)				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Address which RMS will be implemented in achieving IRWM Plan Objectives **(1)**.	39	**y/n**	y	2014 IRWMP: §7.3		y
Identify RMS incorporated in the IRWM Plan: Consider all California Water Plan (CWP)RMS criteria (29) listed in Table 3 from the CWP Update 2013	39	**y/n**	n	2014 IRWMP: §7.1, §7.2, §7.3	Please see Amendment Section 4.1. Added new RMS from CA Water Plan 2013.	y
Consideration of climate change effects on the IRWM region must be factored into RMS. Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific climate change impacts. • Demonstrate how the effects of climate change on its region are factored into its RMS. • Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. • An evaluation of RMS and other adaptation strategies and ability of such strategies to eliminate or minimize those vulnerabilities, especially those impacting water infrastructure systems **(2)**.	39	**y/n**	n	2014 IRWMP: §7.3; §5	Section 7.3 and Section 5 of the 2014 IRWMP currently meets this standard. See amendment Seciton 4.2 for additional explanation.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (e)(1).

(2) Requirement must be addressed per CWC §10540 (e)(10).

IRWM Plan Standard:Integration				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contains structure and processes for developing and fostering integration[1]: - Stakeholder/institutional - Resource - Project implementation	39	y/n/q	y	§7.4, §8.1, Table 8.1-1, §8.5, §11.1.2, §11.2		y

1. If not included as an individual section use Governance, Project Review Process, and Data Management Standards per 2016 IRWM Guidelines, p. 52.

IRWM Plan Standard: Project Review Process					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Process for projects included in IRWM plan must address 3 components: - procedures for submitting projects - procedures for reviewing projects - procedures for communicating lists of selected projects	39 - 40	y/n	y	2014 IRWMP: §8, Appendix D		y
Does the project review process in the plan incorporate the following factors:						
How a project contributes to plan objectives	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
How a project is related to Resource Management Strategies identified in the plan.	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
The technical feasibility of a project.	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
A projects specific benefits to a DAC water issue.	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Environmental Justice considerations.	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Project costs and financing	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Address economic feasibility	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Project status	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Strategic implementation of plan and project merit	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Status of the Project Proponent's IRWM plan adoption	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Appendix D		y
Project's contribution to climate change adaptation. •Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary (1). •Consider the contribution of the project to adapting to identified system vulnerabilities to climate change effects on the region. •Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge. •Consider the effects of SLR on water supply conditions and identify suitable adaptation measures.	40	y/n	y	2014 IRWMP: Appendix D/Call for Projects forms;	Please see Amendment Section 6.1. Updated Objectives, issued new Project Submission form.	y
Contribution of project in reducing GHGs compared to project alternatives. •Consider the contribution of the project in reducing GHG emissions as compared to project alternatives •Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. •Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	40	y/n	y	2014 IRWMP: Appendix D/Call for Projects forms;	Please see Amendment Section 6.2 . Updated Objectives, issued new Project Submission form.	y
Specific benefits to critical water issues for Native American tribal communities.	53	y/n	n		Please see Amendment Section 6.3. Updated Project Submission form to identify ifa project benefits a DAC or Native American Tribe.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (e)(10).

IRWM Plan Standard: Impact and Benefit					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Discuss potential impacts and benefits of plan implementation within IRWM region, between regions, with DAC/EJ concerns and Native American Tribal communities	40	y/n	y	Table 8.3-1		y
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity)	55	y/n	y	§8.4		y
Review and update the impacts and benefits section of the plan as part of the normal plan management activities	55 - 56	y/n	y	Table 1.3-1, §10.2.4		y

IRWM Plan Standard: Plan Performance and Monitoring				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contain performance measures and monitoring methods to ensure that IRWM objectives are met **(1)**.	40	y/n	y	§10.2.5, Table 10.2-2		y
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	y/n	y	2014 IRWMP: §10.2.6, Table 10.2-3		y
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	y/n	n		Please see Amendment Section 8.1. Minor revisions.	y
Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM plans accordingly.	40	y/n	y	2014 IRWMP: Section 5.1.4	This standard is met with the 2014 IRWMP Section 5.1.4.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(7).

IRWM Plan Standard: Data Management				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Describe data needs within the IRWM region	59 - 60	y/n	y	§10.1.2, Table 10.1-1		y
Describe typical data collection techniques	59 - 60	y/n	y	§10.2, Table 10.2-1		y
Describe stakeholder contributions of data to a data management system	59 - 60	y/n	y	Table 10.2-1		y
Describe the entity responsible for maintaining data in the data management system	59 - 60	y/n	y	Table 10.2-1		y
Describe the QA/QC measures for data	59 - 60	y/n	y	Table 10.2-1		y
Explain how data collected will be transferred or shared between members of the RWMG and other interested parties throughout the IRWM region, including local, State, and federal agencies **(1)**.	59 - 60	y/n	y	Table 10.2-1		y
Explain how the Data Management System supports the RWMG's efforts to share collected data	59 - 60	y/n	y	Table 10.2-1		y
Outline how data saved in the data management system will be distributed and remain compatible with State databases including CEDEN, Water Data Library (WDL), CASGEM, California Environmental Information Catalog (CEIC), and the California Environmental Resources Evaluation System (CERES).	59 - 60	y/n	y	Table 10.2-1		y

(1) Requirement must be addressed per CWC §10541 (e)(12).

IRWM Plan Standard: Finance				Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency	Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Include aprogrammatic level (i.e. general) plan for implementation and financing of identified projects and programs **(1)** including the following:	41	**y/n**	y	§9		y
List known, as well as, possible funding sources, programs, and grant opportunities for the development and ongoing funding of the IRWM Plan.	41	**y/n**	y	§9, Table 9.1-1, Table 9.1-2		y
List the funding mechanisms, including water enterprise funds, rate structures, and private financing options, for projects that implement the IRWM Plan.	41	**y/n**	y	§9,Table 9.1-2		y
An explanation of the certainty and longevity of known or potential funding for the IRWM Plan and projects that implement the Plan.	41	**y/n**	y	§9,Table 9.1-2		y
An explanation of how operation and maintenance (O&M) costs for projects that implement the IRWM Plan would be covered and the certainty of operation and maintenance funding.	41	**y/n**	y	§9,Table 9.1-2		y

(1) Requirement must be addressed per CWC §10541 (e)(8).

IRWM Plan Standard: Technical Analysis					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Document the data and technical analyses that were used in the development of the plan **(1)**.	41	y/n	y	§10.1		y

(1) Requirement must be addressed per CWC §10541 (e)(11).

IRWM Plan Standard: Relation to Local Water Planning					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Identify a list of local water plans used in the IRWM plan	41	y/n	y	2014 IRWMP: §10.1.1		y
Describe the dynamics between the IRWM plan and other planning documents	41	y/n	y	2014 IRWMP: §11.1.1, §10.1		y
Describe how the RWMG will coordinate its water mgmt planning activities	41	y/n	y	2014 IRWMP: §1.3.1, §10.2		y
Discuss how the plan relates to these other planning documents and programs. Same as 2012 GL with the following addition: "It should be noted that Water Code § 10562 (b)(7) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans." Minor wording differences - e.g. Groundwater Sustainability Plan example in the 2016 Guidelines instead of Groundwater Managemenbt Plan in the 2012 Guidelines.	63 - 64	y/n	n		Please see Amendment Section 12.1. Discussed Stormwater Plan incorporation into the IRWMP. Provided update on SGMA activities.	y
Consider and incorporate water management issues and climate change adaptation and mitigation strategies from local plans into the IRWM Plan.	63 - 64	y/n	y	2014 IRWMP: Section 11.1.1	This standard is met with the 2014 IRWMP Section 11.1.1.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

IRWM Plan Standard: Relation to Local Land Use Planning					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Document current relationship between local land use planning, regional water issues, and water management objectives	41	y/n	y	2014 IRWMP: §11.1.1		y
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	41	y/n	y	2014 IRWMP: §11.1.2		y
Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to climate change, and potentially offset climate change impacts to water supply in California.	41	y/n	y	2014 IRWMP: §11.1.1	This standard is met with the 2014 IRWMP Section 11.1.1, and Amendment Section 13.1. Minor revisions.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

IRWM Plan Standard: Stakeholder Involvement				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Discuss involvement of DACs and tribal communities in the IRWM planning effort	41 - 42	y/n	y	2014 IRWMP: §2.5.3, §11.3, §11.3.2		y
Describe decision-making process and roles that stakeholders can occupy	41 - 42	y/n	y	2014 IRWMP: Table 1.3-1, §1.3.2.1.7		y
Discuss how stakeholders are necessary to address objectives and RMS	41 - 42	y/n	y	2014 IRWMP: Table 1.3-1, §1.3.2.2, §1.3.2.3		y
Discuss how a collaborative process will engage a balance in interest groups	41 - 42	y/n	y	2014 IRWMP: §11.3.3, 11.3.4, §1.3		y
Contain a public process that provides outreach and opportunity to participate in the IRWM plan **(1)**. Per 2016 GL: "Native American tribes – It should be noted that tribes are sovereign nations, and as such coordination with tribes is on a government-to-government basis."	41 - 42	y/n	y	2014 IRWMP: §11.2.1, §11.2.2, §11.3, §11.3.2	This standard is met with the 2014 IRWMP: §11.2.1, §11.2.2, §11.3, §11.3.2, and Amendment Section 14.1	y
Identify process to involve and facilitate stakeholders during development and implementation of IRWM plan regardless of ability to pay; include description of any barriers to involvement **(2)**. "Stakeholder Involvement" in the 2012 GL is referred to "Native American Tribe and Stakeholder Involvement" in the 2016 GL and Tribes are referred to specifically.	41 - 42	y/n	y	2014 IRWMP: §11	This standard is met with the 2014 IRWMP: §11, and Amendment Section 14.2	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (g).

(2) Requirement must be addressed per CWC §10541 (h)(2).

IRWM Plan Standard: Coordination				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	
Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies **(1)**.	42	**y/n**	y	2014 IRWMP: §11.1.2, Table 1.3-1		y
Identify neighboring IRWM efforts and ways to cooperate or coordinate, and a discussion of any ongoing water management conflicts with adjacent IRWM efforts	42	**y/n**	y	2014 IRWMP: §1.3.3, Table 1.3-1		y
Identify areas where a state agency or other agencies may be able to assist in communication or cooperation, or implementation of IRWM Plan components, processes, and projects, or where State or federal regulatory decisions are required before implementing the projects.	42	**y/n**	y	2014 IRWMP: §11.2		y

(1) Requirement must be addressed per CWC §10541 (e)(13).

IRWM Plan Standard: Climate Change					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contain a plan, program, or methodology for further data gathering and analysis of prioritized vulnerabilities.	42 - 44	y/n	y	2014 IRWMP: §5.1.4		y
Include climate change as part of the project review process.	42 - 44	y/n	y	2014 IRWMP: Table 8.1-1		y
Evaluate IRWM region's vulnerabilities to climate change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning **(1)**. Addition in 2016 GL - "At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B."	42 - 44	y/n	y	2014 IRWMP: §5.1., Table 5.1-4	2014 IRWMP meets this standard.	y
Provide a process that considers GHG emissions when choosing between project alternatives **(1)**. Addition in 2016 GL - "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives."	42 - 44	y/n	y	2014 IRWMP; §2.3.1.1; Chapter 5	Please also see Amendment Section 16.1.	y
Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process. Addition in 2016 GL - "A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities."	42 - 44	y/n	y	2014 IRWMP: Chapter 5; § 5; § 5.1.2; § 5.1.2.2; § 5.1.2.3; § 5.1.2.4	2014 IRWMP meets this standard.	y
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	42 - 44	y/n		2014 IRWMP: Chapter 5; Appendix D/Project Submission form	Please also see Amendment Section 3.1.	y
Areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	42 - 44	y/n		2014 IRWMP: Section 5	This standard is met with the 2014 IRWMP Section 5.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(9).

Attachment B: DWR Confirmation Letter of 2014 IRWMP Consistency with Proposition 84 IRWM Guidelines

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

July 18, 2014

Mr. Dirk Marks
27234 Bouquet Canyon Road
Santa Clarita, California 91350

Castaic Lake Water Agency, Water Resources Manager
Upper Santa Clara River Integrated Regional Water Management Plan Final Review

Dear Mr. Marks:

This letter transmits the Department of Water Resources (DWR) final review of the Upper Santa Clara River Integrated Regional Water Management (IRWM) Plan. The public comment period on DWR's review of the Upper Santa Clara River IRWM Plan has closed and no public comments were received. DWR has determined that the Upper Santa Clara River IRWM Plan is consistent with the IRWM Planning Act and the related IRWM Plan Standards contained in the 2012 IRWM Program Guidelines. The final review is posted on the following link: http://www.water.ca.gov/irwm/grants/prp.cfm.

According to our records, the Regional Water Management Group and project proponents for the Round 1 Implementation grant have adopted the IRWM plan. If the plan is adopted by the appropriate project proponents, by the appropriate dates, the Upper Santa Clara River IRWM Plan will also satisfy the terms of the Round 2 Implementation Grant Agreement's default clause and the adopted plan eligibility criteria for the 2014 Drought Solicitation. The grant agreement and grant solicitation have separate dates for adoption compliance.

To simplify submitting proof of adoption, DWR will compile and track this information and inform DWR grant managers and grant application review teams appropriately. You may submit proof of adoption material as often as necessary. When submitting information, please fill out the IRWM Plan Adoption Form, found at: http://www.water.ca.gov/irwm/grants/resourceslinks.cfm, along with scanned proof of adoption, forward the material directly to Craig Cross at the email address listed below.

If you have any questions, please contact Craig Cross at (916) 651-9204 or craig.cross@water.ca.gov.

Sincerely,

Tracie L. Billington, P.E. Chief
Financial Assistance Branch
Division of Integrated Regional Water Management

Attachment C: 2014 USCR IRWMP (adopted)

The 2014 Upper Santa Clara River IRWMP is a very large PDF file, close to 25 MB.

Please visit the USCR IRWMP website at the following weblink to view a copy of the document: http://SCRWaterPlan.org

To access a direct link to the PDF, please copy the following link into your web browser: http://www.dpw.lacounty.gov/wmd/scr/docs/The%202014%20Update%20of%20the%20IRWMP/1.%20USCR%20IRWMP%20Final%20February%202014.pdf

DWR, the 2014 IRWMP Plan is provided as separate PDF on the CD/DVD provided with this 2018 Amendment.

Attachment D: USCR RWMG Support Letter for the 2014 IRWMP 2018 Amendments

UPPER SANTA CLARA RIVER
Integrated Regional Water Management

Santa Clarita Valley Water Agency
City of Santa Clarita
Los Angeles County Flood Control District
Santa Clarita Valley Sanitation District
Newhall County Water Division
Valencia Water Division
Santa Clarita Water Division
San Gabriel and Los Angeles Rivers and Mountains Conservancy

February 21, 2018

Zaffar Eusuff
Sent via Email to: Muzaffar.Eusuff@water.ca.gov

Subject: Support for the Upper Santa Clara River Integrated Regional Water Management Plan 2018 Amendment

The Upper Santa Clara River Regional Water Management Group (RWMG) would like to express support of the Upper Santa Clara River Region's Integrated Regional Water Management (IRWM) Plan Amendment. The IRWM Plan Amendment will make the 2014 IRWM Plan, currently compliant with Proposition 84 IRWM Grant Program Guidelines, also compliant with the new Proposition 1 2016 IRWM Grant Program Guidelines.

The Upper Santa Clara River Region of California is home to over 250,000 people living in several communities. Residents within this Region have experienced tremendous changes over the past twenty years due to a rapid increase in population. Current forecasts of population growth, as well as increasing pressure on water supplies statewide indicate that even larger changes will occur before 2030. Water managers, municipalities and stakeholders agreed that water resource needs in the Region are highly interconnected and require a broad and integrated perspective in order to provide efficient and effective services throughout the Upper Santa Clara River Region. The IRWM Plan, subsequent 2014 Update and this Amendment were developed with a regional focus designed to identify a set of integrated solutions that address goals for reduced water demand, improved operational efficiency, increased water supply, improved water quality, and resource stewardship.

The RWMG feels this IRWM Plan Amendment maintains a viable action plan that provides a wide range of crucial water-related services necessary to support the well-being of people living in this unique and vibrant part of Southern California.

We are pleased to support the Upper Santa Clara River Integrated Regional Water Management Plan 2018 Amendment.

Sincerely,

Rick Viergutz

Rick Viergutz, Chair
Upper Santa Clara River Regional Water Management Group

cc: USCR IRWM RWMG

Attachment E: Updated Project Submission Form, Associated Guidance, and 2018 Project List

UPPER SANTA CLARA RIVER WATERSHED
INTEGRATED REGIONAL WATER MANAGEMENT PLAN
Project Submission Form

Note: This two page project idea form gathers information required to submit a project for consideration in the IRWMP. Fill out as much information as known. More information may be required at a later date. Minimum information required to be included on the IRWM Project List include items A, D, E, G, H, J, K. Minimum information required to be included on the Conceptual Project List include items A, D, J. This form may be printed or filled out by hand and mailed back to Lauren Everett Smith, Kennedy/Jenks Consultants, 2775 North Ventura Road, Suite 100, Oxnard, CA 93036 **OR** electronically filled out and e-mailed to: LaurenEverett@kennedyjenks.com.

For assistance with completing this form please refer to the following resources. A separate Project Submission Guidance Document is also available.

2016 IRWM Grant Program Guidelines, Volumes 1 and 2, available at: http://www.water.ca.gov/irwm/grants/p1_guidelines.cfm
2014 USCR IRWM Plan, available at: http://www.ladpw.org/wmd/scr/docs/2014/1.%20USCR%20IRWMP%20Final%20February%202014.pdf

Date Form Was Submitted: _____

A. General Information *(Required)*

Project Name:		
Project Sponsor and/or Proponent (if identified):		
If Joint Project, Other Partners:		
Project Website (if available):		
Project Contact Person:	Phone	Email

B. Project Type (check as many as applicable).

- ☐ Water Supply
- ☐ Water Quality
- ☐ Groundwater
- ☐ Recycled Water
- ☐ Stormwater/Flood Mgmt
- ☐ Conservation and Reuse
- ☐ Ecosystem/Restoration
- ☐ Habitat Improvement
- ☐ Educational Oppportunity
- ☐ Other (describe)_____

C. Disadvantaged Community (DAC) /Native American Tribal Community/Environmental Justice (EJ) Concern *(if known, check whether your project addresses a DAC concern, a Tribal Community issue, or an EJ concern). For more information see Guidelines Pgs. 53 and 54.*

☐ Disadvantaged Community	☐ Tribal Community	☐ Environmental Justice Concern

Explain *(provide explanation for how your project benefits the checkmarked item):*

D. Project Description *(provide several sentences to describe your project)*

E. Project Support Documents *(List Plan(s) in which the project may be referenced [e.g., Technical/Economic/Feasibility Study, Preliminary Design Report, Capital Improvement Plan, Master Plans, UWMPs. etc.]):*

if unknown, leave blank

F. Project Location *(provide description of property location, i.e., street name, lat & long coordinates, etc.)*

Please provide as much information as possible; it will determine whether the project is included on the Concept or Project List. The RWMG is happy to help you in any way that they can.

G. Project Financials and Implementation Status

Project Cost *(if unknown check rough estimate):*	$	<$100K ☐	$100K - $1M ☐	$1M - $10M ☐	>$10M ☐
Project Status *(Check all that apply):*	Conceptual ☐	In-Design ☐	CEQA In-Progress ☐	CEQA Complete ☐	Ready for Construction ☐
Estimated Year of Implementation:					
Source of Funding *(if known)*					

H. Quantifiable Project Benefits *(Check at least one and, if known, quantify anticipated benefit). Refer to IRWM Plan, Section 6.*

- ☐ Water Supply *(ex. AFY)* _____
- ☐ Water Quality *(ex. Tons TDS)* _____
- ☐ Habitat/Environmental Restoration *(ex. Acres)* _____
- ☐ Flood/Stormwater *(ex. AFY)* _____
- ☐ Other *(describe benefit if quantifiable amount unknown)*

I. Storm Water Resources Plan

Is the project included in a Storm Water Resources Plan? ☐ Yes ☐ No ☐ Unknown

J. IRWMP Objectives Met *(check all benefits to which the project contributes). Refer to IRWM Plan, Section 5, Section 6, and Guidelines, Pg. 40*

- ☐ Reduce Potable Water Demand
- ☐ Increase Water Supply
- ☐ Improve Water Quality
- ☐ Promote Resource Stewardship
- ☐ Flooding/Hydromodification
- ☐ Adapt to climate change
  - ☐ *Identifies potential effects of climate change on the Region and considers adaptations to water management system*
  - ☐ *Adapts to climate change vulnerabilities*
  - ☐ *Considers change in amount, timing, intensity, quality and variability of runoff and recharge*
  - ☐ *Considers effects of sea level rise on water supply conditions*
- ☐ Reduces greenhouse gas emissions
  - ☐ *Quantifies GHG emissions*
  - ☐ *Ability to help the IRWM region reduce GHG emissions*
  - ☐ *Reduces energy consumption (especially embedded energy in water use)*

K. Resource Management Strategies *(check all strategies that the project employs). See IRWM Plan Section 7.*

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Groundwater Storage
- ☐ Conveyance - Delta, Regional/Local
- ☐ Desalination - Brackish & Seawater
- ☐ Drinking Water Treatment and Distribution
- ☐ Economic Incentives
- ☐ Ecosystem Restoration
- ☐ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater/Aquifer Remediation
- ☐ Land Use Planning & Management
- ☐ Matching Water Quality to Water Use
- ☐ Sediment Management
- ☐ Water and Culture
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Areas Protection
- ☐ Recycled Municipal Water
- ☐ Salt & Salinity Management
- ☐ Surface Storage - CALFED
- ☐ Surface Storage - Regional/Local
- ☐ System Reoperation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-Dependent Recreation
- ☐ Watershed Management
- ☐ Outreach and Engagement
- ☐ Unknown

Please provide as much information as possible; it will determine whether the project is included on the Concept or Project List. The RWMG is happy to help you in any way that they can.

UPPER SANTA CLARA RIVER
Integrated Regional Water Management

Project Submission Form Guidance - 2018 USCR IRWM Plan Amendment

In order to submit your project to the IRWM Plan for consideration you must fill out the Project Submission Form. Project sponsors and/or proponents should complete the form and provide as much of the project information requested in the form as possible. The information will be reviewed by the Regional Water Management Group (RWMG). To qualify for inclusion in the IRWM Project List, projects must, at a minimum, have information provided in sections A, D, E, G, H, J, K. Projects with information provided only in sections A, D, J will be included in the IRWM Concept Project List.

The current, comprehensive, USCR IRWM Project List is located here:
http://www.ladpw.org/wmd/scr/docs/070715/ProjectList2015.pdf

Project proponents are asked to review the existing project list and update, add new, or withdraw projects through this process. Project proponents MUST complete a new Project Submission Form for any project, existing or proposed, to be included on the updated project lists. Any projects identified in the Stormwater Resources Plan (EWMP, CIMP, IRWMP), must also complete the Project Submission Form if the project is to be considered for inclusion in the IRWMP or future IRWM funding opportunities.

For assistance with completing the form please refer to the following resources:

- 2016 IRWM Grant Program Guidelines, Volumes 1 and 2, available at:
  http://www.water.ca.gov/irwm/grants/p1_guidelines.cfm
- 2014 USCR IRWM Plan, available at:
  http://www.ladpw.org/wmd/scr/docs/2014/1.%20USCR%20IRWMP%20Final%20February%202014.pdf

Project Submission Form Instructions

A. General Information

Provide the name of the project, the project proponent (if identified), whether the project is jointly sponsored, website (if applicable), and contact information.

B. Project Type

Check all boxes for the project type that is applicable to your project. If other, please describe.

C. Disadvantaged Community/Native American Tribal Community/Environmental Justice

Identify if the project benefits a disadvantaged community (DAC). A DAC community is defined as having an annual median household income that is less than 80 percent of the Statewide annual median household income ($61,818 per 2015 US Census).

Identify if the project supports or addresses the concerns of a Native American Tribal Community.

Identify if the project supports or addresses an environmental justice concern. An environmental justice concern relates to the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, and policies.

Refer to the IRWM Guidelines Pgs. 53 and 54 for more information. For mapping assistance use:
https://gis.water.ca.gov/app/dacs/.

D. Project Description

Provide several sentences describing the proposed project.

E. Project Support Documents

Identify if the project is included/supported by a planning document (e.g., Technical/Economic Feasibility Plans, Master Plan, Preliminary Design Report, etc.). If unknown, leave blank.

F. Project Location

Identify the location of the project. If available, maps can also be provided.

G. Project Financials and Implementation Status

Enter the total project cost if known. If unknown, enter an estimate. Enter the funding source for the project (i.e., water rates, grant, loan, etc.). Enter the status of the project; conceptual (idea), currently being designed or studied for feasibility, if CEQA is done, and if the project is ready for construction (i.e., CEQA done, permits received, etc.).

H. Quantifiable Project Benefits

IRWM Plans are implemented through projects, relevant to measuring objectives. Objectives can be measured quantitatively (e.g., AFY of water saved, # acres restored, etc.) or qualitatively. To the extent possible, please identify anticipated project benefits.

See the IRWM Plan, Section 6, for a discussion on the USCR IRWM Regional objectives.

I. Stormwater Resources Plan

CA Water Code § 10562 (b) (7) (i.e. SB 985) requires the development of a stormwater resource plan. In the Santa Clarita Valley the stormwater resource plan in comprised of three documents. The first is the Enhanced Watershed Management Plan (EWMP) for the Upper Santa Clara River. The second is the Coordinated Integrated Monitoring Program (CIMP) for the Upper Santa Clara River. The third document is the IRWMP itself. As such, projects included in the EWMP are eligible to apply for and receive grant funding for projects that infiltrate stormwater and polluted dry weather flows. The EWMP and CIMP were accepted (as required) into the IRWMP. For stormwater projects to also be eligible for IRWM funding, a new Project Submission Form must be completed.

J. IRWMP Objectives Met

IRWM Plan objectives address the major water-related issues and conflicts of the region. Projects submitted to the IRWM Plan must identify how a project contributes to meeting the plan objectives. Refer to Sections 5 and 6 of the 2014 IRWM Plan for details on Climate Change and IRWM Plan objectives.

K. Resource Management Strategies

IRWM Plan Resource Management Strategies (RMS) are ways to meet the IRWM objectives. Projects submitted to the IRWM Plan must identify what RMSs are employed by the project in order to contribute to a plan objective. Refer to Chapter 7 of the 2014 IRWM Plan for details on the RMSs used in the USCR IRWM Region.

Please note that all submitted projects are not guaranteed to be included in the IRWM Plan. The Regional Water Management Group (RWMG) will follow the Department of Water Resources (DWR) procedures for review of projects considered for inclusion into the IRWM Plan.

2018 USCR IRWM Plan Project Submission List

	(Temp) Project ID	"P" = Project "C" = Concept	Project Name	Project Sponsor
1	SC1	P	Santa Clara River Arundo Removal Program	City of Santa Clarita
2	SC2	P	Canyon Country Community Center Regional Best Management Practice	City of Santa Clarita
3	SC3	C	Alemendra Park	City of Santa Clarita
4	SC4	C	Meadows Park	City of Santa Clarita
5	SC5	P	Newhall Park	City of Santa Clarita
6	SC6	C	Northbridge Park	City of Santa Clarita
7	SC7	C	Santa Clarita Park	City of Santa Clarita
8	SC8	C	South Fork Trail	City of Santa Clarita
9	SC9	C	Via Princessa Park	City of Santa Clarita
10	SC10	C	County Fire 104 Debris Basin	City of Santa Clarita
11	SC11	C	Damar Court Open Space	City of Santa Clarita
12	SC12	C	Davey Avenue Desilting Basin	City of Santa Clarita
13	SC13	C	Green Streets	City of Santa Clarita
14	SC14	C	Residential LID	City of Santa Clarita
15	SC15	C	Valencial Glen Park	City of Santa Clarita
16	SC16	C	Valencia Heritage Park, Open Space Area	City of Santa Clarita
17	SC17	C	Alemendra Park - Irrigation Controller Upgrade	City of Santa Clarita
18	SC18	C	Begonias Lane Park - Irrigation Controller Upgrade	City of Santa Clarita
19	SC19	C	Bouquet Canyon Park - Irrigation Controller Upgrade	City of Santa Clarita
20	SC20	C	Bridgeport Park - Irrigation Controller Upgrade	City of Santa Clarita
21	SC21	C	Canyon Country Park - Irrigation Controller Upgrade	City of Santa Clarita
22	SC22	C	Central Park - Irrigation Controller Upgrade	City of Santa Clarita
23	SC23	C	Circle J Ranch Park - Irrigation Controller Upgrade	City of Santa Clarita
24	SC24	C	Commuter Rail Trailhead - Irrigation Controller Upgrade	City of Santa Clarita
25	SC25	C	Creekview Park - Irrigation Controller Upgrade	City of Santa Clarita
26	SC26	C	Discovery Park - Irrigation Controller Upgrade	City of Santa Clarita
27	SC27	C	Iron Horse Trailhead - Irrigation Controller Upgrade	City of Santa Clarita
28	SC28	C	Mint Canyon Trailhead - Irrigation Controller Upgrade	City of Santa Clarita
29	SC29	C	Newhall Park - Irrigation Controller Upgrade	City of Santa Clarita
30	SC30	C	North Oaks Park - Irrigation Controller Upgrade	City of Santa Clarita
31	SC31	C	Oak Park Trailhead - Irrigation Controller Upgrade	City of Santa Clarita
32	SC32	C	Oak Spring Canyon Park - Irrigation Controller Upgrade	City of Santa Clarita
33	SC33	C	Old Orchard Park - Irrigation Controller Upgrade	City of Santa Clarita
34	SC34	C	Pamplico Park - Irrigation Controller Upgrade	City of Santa Clarita
35	SC35	C	Santa Clarita Peak - Irrigation Controller Upgrade	City of Santa Clarita
36	SC36	C	Santa Clarita Sports Complex - Irrigation Controller Upgrade	City of Santa Clarita
37	SC37	C	Todd Longshore Park - Irrigation Controller Upgrade	City of Santa Clarita
38	SC38	C	Valencia Glen Park - Irrigation Controller Upgrade	City of Santa Clarita
39	SC39	C	Valencia Heritage Park - Irrigation Controller Upgrade	City of Santa Clarita
40	SC40	C	Valencia Meadows Park - Irrigation Controller Upgrade	City of Santa Clarita
41	SCVSD1	P	Valencia Water Reclamation Plant Advanced Water Treatment Facilities	SCVSD
42	SCVWater1	C	SCV Data Repository	VWC (SCV Water)
43	SCVWater2	C	SCV High Resolution Aerial Imagery - GIS Mapping and Analysis	VWC (SCV Water)
44	SCVWater3	C	SCV Chloride	VWC (SCV Water), SCVSD, City of SC, LA Public Works
45	SCVWater4	C	SCV Water - CII Water Use Efficiency Plan	VWC (SCV Water)
46	SCVWater5	C	SCV Water Conservation Database	VWC (SCV Water)
47	SCVWater6	C	SCV Water - Irrigation Efficiency Program	VWC (SCV Water)
48	SCVWater7	C	SCV Water - Residential and Commercial Turf Removal	VWC (SCV Water)
49	SCVWater8	C	SCV Water - SCV Water Use Efficiency Plan Programs (3)	VWC (SCV Water)
50	SCVWater9	C	SCV Water - Water Use Efficiency Certification	VWC (SCV Water)
51	SCVWater10	C	Santa Clarita Valley Water Distribution System Integration and Optimization Program	CLWA (SCV Water)
52	SCVWater11	C	Santa Clarita Valley Volatile Organic Compounds Groundwater Investigations	CLWA (SCV Water)
53	SCVWater12	C	Santa Clarita Valley Watershed Monitoring Program	CLWA (SCV Water)
54	SCVWater13	P	Castaic Conduit Bypass Project	CLWA (SCV Water)
55	SCVWater14	P	Central Park Recycled Water Main Extension (Phase 2A)	CLWA (SCV Water)
56	SCVWater15	P	ESFP Sludge Collection System Project	CLWA (SCV Water)
57	SCVWater16	P	Honby Pipeline Phase II Project	CLWA (SCV Water)
58	SCVWater17	C	Recycled Water Site Conversions Assistance Program	VWC (SCV Water)
59	AA1	C	Bouquet Canyon Creek Restoration: Control of Invasive Weeds	Agricultural Access
60	AA2	C	Santa Clara River Scenic Signage	Agricultural Access
61	SCVWater18	C	Groundwater Recharge Pilot Project	NCWD (SCV Water)
62	SCVWater19	C	Groundwater Water Softening Treatment Using Pellet Technology	NCWD (SCV Water)
63	SCVWater20	P	Recycled Water Projects (Phase 2C)	NCWD (SCV Water)
64	SCVWater21	P	Sewer Trunk Line Relocation (Phase 2)	NCWD (SCV Water)
65	SCVWater22	C	Saugus Aquifer Storage and Recovery Project	NCWD (SCV Water)
66	SCVWater23	C	Santa Clarita Valley Saugus Aquifer Drought Relief Well Project	NCWD (SCV Water)
67	SCVWater24	C	Saugus Aquifer Replacement Well Project	NCWD (SCV Water)
68	SCVWater25	C	Advanced Metering Infrastructure Program	SCWD (SCV Water)

New Project ID	Original Project ID	Project Name	Sponsor Agency	Coordinating/ Partnering Agency	Estimated Cost	IRWM Plan Objectives							Long Form	Short Form	Grant Status			Status	Anticipated Benefit	Additional Notes
						Reduce Potable Water Demand	Increase Water Supply	Improve Water Quality	Promote Resource Stewardship	Flooding/ Hydromodification	Climate Change Adaptation	GHG Reduction			Solicitation (a)	Grant Request	Total Project Cost			
1	AA/BCN-2	Feasibility of Arundo Stem Cutting Ram (ASCR)	Agricultural Access/Bouquet Canyon Network	NA	<$100K		◆		◆	◆		◆		X	NYF					
2	AA/BCN-1	Bouquet Canyon Creek Restoration, Control of Invasive Weeds	Agricultural Access/Bouquet Canyon Network	Antelope Valley Resource Conservation District; Natural Resource Conservation District; Cooper Ecological Monitoring/Leathermann BioConsulting, Inc.; LA County Fire; Angeles National Forest	$20,240 - $52,852 (Capital); $13,052/yr over 5 years (O&M)		◆	◆	◆	◆	◆	◆	X		NYF					b
3	CLWA	Integrated Regional Water Management Plan Update	Castaic Lake Water Agency	All IRWM Stakeholders	~$65k	◆	◆	◆	◆	◆	◆	◆	X		R1P	$ 46,500	$ 62,000	Complete		
4	CLWA	Climate Change Technical Study	Castaic Lake Water Agency	All IRWM Stakeholders	~$100k				◆		◆	◆	X		R1P	$ 77,250	$ 103,000	Complete		
5	CLWA	Salt and Nutrient Management Plan	Castaic Lake Water Agency	All IRWM Stakeholders	~$165K			◆	◆				X		R1P	$ 123,750	$ 165,000	In Progress		
6	CLWA-3	Santa Clarita Valley Water Use Efficiency Strategic Plan	Castaic Lake Water Agency	LACWD#36; Newhall County Water District; Santa Clarita Water Division; Valencia Water Company	$1M-$5M/yr over 8 years (Capital)	◆		◆	◆				X		R2P	$ 180,297	$ 240,396	In Progress		
7	CLWA-8	Foothill Feeder Connection	Castaic Lake Water Agency	Newhall County Water District; City of Santa Clarita; LACWD#36	$3M-$5M (Capital); $50K/yr over 50 years (O&M)		◆						X		R2I	$ 1,500,000	$ 4,458,000	In Progress		
8	CLWA-7	Castaic Conduit	Castaic Lake Water Agency	NA	$14,910,000-$16M (Capital); $5,000/yr (O&M)		◆						X		NYF					
9	CLWA-10	Distribution System - RV-2 Modification	Castaic Lake Water Agency	NA	$2,880,000-$3,200,000 (Capital); $5,000/yr (O&M)		◆						X		NYF					
10	CLWA-9	West Saugus Formation Groundwater Resources Monitoring Project	Castaic Lake Water Agency	NA	$628,675			◆	◆				X		LGA	$ 158,450	$ 666,103	In Progress		
11	CLWA-11	Santa Clarita Valley Volatile Organic Carbon Groundwater Investigation	Castaic Lake Water Agency	Newhall County Water District; City of Santa Clarita; LACWD#36	$250,000-$5M (Capital)			◆	◆				X		NYF					
12	CLWA	SCV Water Use Efficiency Plan Programs	Castaic Lake Water Agency	NA	$1M	◆	◆		◆		◆	◆	X		R1I	$ 979,000	$ 1,958,000	Complete		
13	CLWA	SCV Water Use Efficiency Plan Programs, 2	Castaic Lake Water Agency	NA	$1M	◆	◆		◆		◆	◆	X		R2I	$ 2,024,715	$ 2,699,620	In Progress		
14	CLWA-1	Irrigation Efficiency Program	Castaic Lake Water Agency	NA	$100K-$1M	◆					◆			X	NYF					
15	CLWA-2	Water Use Efficiency Certification	Castaic Lake Water Agency	NA	$100K-$1M	◆					◆			X	NYF					
16	CLWA-4	ESFP Sludge Collection System	Castaic Lake Water Agency	NA	$1M-$1M		◆	◆						X	NYF					
17	CLWA-5	Saugus Formation Replacement Wells	Castaic Lake Water Agency	NA	$1M-$10M		◆		◆					X	R1I	$ 4,756,197	$ 11,127,716	In Progress		c,d
18	CLWA-6	Santa Clarita Valley Drought Relief Wells	Castaic Lake Water Agency	NA	$1M-$1M		◆							X	R1I	See ID 17		In Progress		c
19	CLWA-12	Update Rio Vista WTP Education Model	Castaic Lake Water Agency	NA	<$100,000	◆			◆		◆			X	NYF					
20	NA	Recycled Water Master Plan Update	Castaic Lake Water Agency	Retail Purveyors, SCV Sanitation District									X		R2P	$ 346,630	$ 466,630	In Progress		
21	NA	Recycled Water Master Plan Update EIR	Castaic Lake Water Agency	Retail Purveyors, SCV Sanitation District									X		R2P	$ 180,297	$ 240,396	Not yet started		
22	CLWA-A	Rosedale Rio-Bravo Water Storage District 2014 Drought Relief Project	Castaic Lake Water Agency	Rosedale Rio-Bravo Water Storage District	$6.7M (CLWA share) - $8.0M (Capital); 50 year design life		◆				◆		X		D	$ 4,575,421	$ 6,500,562	In Progress		
23	CLWA-B	SWSD Extraction and Conveyance Improvements for Return of Stored Water to CLWA Project	Castaic Lake Water Agency	Semitropic Water Storage District	$7,350,000 - $8,000,000 (Capital)/$70,850/yr over 30 years (O&M)		◆				◆		X		D	$ 6,338,618	$ 8,451,491	In Progress		
24	CLWA-A	Residential and Commercial Turf Grass Removal in the SCV	Castaic Lake Water Agency	NA	$3.8M	◆		◆	◆		◆	◆	X		R3I	$ 2,850,000	$ 3,800,000	Not yet started		e
25	SC-1	Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation	City of Santa Clarita	Santa Clara River Conservancy; Angeles National Forest; Santa Clara Invasive Weeds Task Force	$1M-$20M (Capital); $100k/yr over 15 years (O&M)	◆	◆	◆	◆	◆	◆	◆	X		R1I	$ 666,449	$ 726,449	In Progress		
26	SC-5	Biofiltration and Low Impact Development Retrofits	City of Santa Clarita	Los Angeles County; Castaic Lake Water Agency	$4M-$6M (Capital); $200,000/yr over 15 years (O&M)	◆	◆	◆	◆	◆	◆		X		NYF					
27	SC-6	Septic to Sewer Retrofit Project	City of Santa Clarita	NA	$25M-$35M (Capital); unknown O&M		◆	◆	◆				X		NYF					

New Project ID	Original Project ID	Project Name	Sponsor Agency	Coordinating/ Partnering Agency	Estimated Cost	IRWM Plan Objectives							Long Form	Short Form	Grant Status			Status	Anticipated Benefit	Additional Notes
						Reduce Potable Water Demand	Increase Water Supply	Improve Water Quality	Promote Resource Stewardship	Flooding/ Hydromodification	Climate Change Adaptation	GHG Reduction			Solicitation (a)	Grant Request	Total Project Cost			
28	SC-2	Upper Santa Clara River Arundo/Tamarisk Removal Program (SCARP) Implementation	City of Santa Clarita	Agricultural Access/Bouquet Canyon Network	$1M-$10M	◆	◆	◆	◆	◆	◆	◆		X	R2I	$ 350,000	$ 500,000	In Progress		
29	SC-3	City of Santa Clarita Biofiltration and Low Impact Development Retrofits	City of Santa Clarita	NA	$1M-$10M	◆	◆	◆		◆	◆			X	NYF					
30	SC-4	Septic to Sewer Retrofit Project	City of Santa Clarita	NA	>$10M		◆	◆	◆					X	NYF					
31	SC-A	Regional BMPs for Stormwater Retention and Potential Groundwater Recharge (both projects, Newhall and Canyon Country)	City of Santa Clarita	NA	$12M-$15M; 50 year design life		◆	◆	◆	u	◆		X		NYF					
32	LACWD36-1	Advanced Meter Infrastructure	LACWD#36	NA	<$100,000	◆								X	NYF					
33	LACWD36-2	Cash for Grass Rebate Program	LACWD#36	NA	<$100,000	◆								X	NYF					
34	LACWD36-3	Landscape Irrigation Efficiency Program	LACWD#36	NA	<$100,000	◆								X	NYF					
35	LACWD36-4	Apam and Bayfield Water Main	LACWD#36	NA	$100K-$1M		◆							X	NYF					
36	LACWD36-5	Hasley Canyon Road Water Main, Turnout Connection, and Pump Station Project	LACWD#36	NA	$1M-$10M		◆							X	NYF					
37	LACWD36-6	Replacement of 8-inch Water Main along Del Valle Road	LACWD#36	NA	$100K-$1M		◆							X	NYF					
38	LADPW-9	SCR South Fork Rubber Dam No. 1 and Spreading Grounds	Los Angeles County Flood Control District	NA	$5M-$9M (Capital); $50K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
39	LADPW-1	Lower San Francisquito Spreading Grounds	Los Angeles County Flood Control District	NA	$3M-$6M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
40	LADPW-2	Newhall Creek In-River Spreading Grounds	Los Angeles County Flood Control District	NA	$2M-$5M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
41	LADPW-3	Placerita Creek Off-River Spreading Grounds	Los Angeles County Flood Control District	NA	$3M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
42	LADPW-4	Santa Clara In-River Spreading Grounds No. 1	Los Angeles County Flood Control District	NA	$4M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
43	LADPW-5	Santa Clara In-River Spreading Grounds No. 2	Los Angeles County Flood Control District	NA	$2M-$5M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
44	LADPW-6	Santa Clara Off-River Spreading Grounds	Los Angeles County Flood Control District	NA	$4M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
45	LADPW-7	Santa Clara River Rubber Dam No.1	Los Angeles County Flood Control District	NA	$5M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
46	LADPW-8	Santa Clara River Spreading Grounds	Los Angeles County Flood Control District	NA	$7M-$10M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
47	LADPW-10	SCR South Fork Rubber Dam No. 2	Los Angeles County Flood Control District	NA	$5M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
48	LADPW-11	SCR South Fork Rubber Dam No. 3	Los Angeles County Flood Control District	NA	$5M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
49	LADPW-12	SCR South Fork Rubber Dam No. 4	Los Angeles County Flood Control District	NA	$5M-$7M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
50	LADPW-13	Upper San Francisquito Spreading Grounds	Los Angeles County Flood Control District	NA	$3M-$6M (Capital); $25K/yr over 50 years (O&M)		◆	◆	◆	◆			X		NYF					
51	NCWD-2	Pellet Water Softening Treatment Plant - Phase 1	Newhall County Water District	NA	$250,000 - $500,000 (Capital)	◆		◆	◆			◆	X		NYF					b
52	NCWD-X	Sewer Trunk Line Relocation	Newhall County Water District	NA	<$500k			◆	◆				X		R1I	$ 240,000	$ 240,000	Complete		
53	NCWD-3	Santa Clarita Valley Residential Turf Removal Program	Newhall County Water District	Castaic Lake Water Agency; Santa Clarita Water Division; Valencia Water Company; LA County Waterworks #36	625000 (Capital); $312,500/yr over 2 years (O&M)	◆				◆			X		NYF					
54	NCWD-4	Recycled Water Onsite Conversion	Newhall County Water District	NA	$100K-$1M	◆					◆			X	NYF					

New Project ID	Original Project ID	Project Name	Sponsor Agency	Coordinating/ Partnering Agency	Estimated Cost	IRWM Plan Objectives							Long Form	Short Form	Grant Status			Status	Anticipated Benefit	Additional Notes
						Reduce Potable Water Demand	*Increase Water Supply*	*Improve Water Quality*	*Promote Resource Stewardship*	*Flooding/ Hydromodification*	*Climate Change Adaptation*	*GHG Reduction*			*Solicitation (a)*	*Grant Request*	*Total Project Cost*			
55	NCWD-5	Advanced Metering Infrastructure Program	Newhall County Water District	NA	$1M-$10M	◆	◆		◆			◆		X	NYF					
56	NCWD-A	Santa Clara River – Sewer Trunk Line Relocation Phase II and III	Newhall County Water District	NA	$3,500,000 - $4,000,000 (Capital); $20K/yr over 100 years (O&M)		◆	◆	◆	u			X		R3I	$ 3,000,000	$ 4,000,000	Not yet started		e
57	NCWD-B	Water Efficiency Target Implementation and Outreach	Newhall County Water District	NA	$150,000 - $200,000			◆	◆				X		R3I	$ 150,000	$ 200,000	Not yet started		e
58	POWS-A	POWS Deep Well #3	Property Owners Water System / Dan Holmquist	NA	$40,000 - $75,000 (Capital); 50 year design life		◆				◆		X		NYF					
59	SCEEC-1	Linking SCEEC to the Upper Santa Clara River IRWMP	Santa Clarita Environmental Education Consortium	NA	<$100K	◆		◆	◆	◆	◆			X	NYF					
60	SCVSD-1	SCVSD Automatic Water Softener Rebate and Public Outreach Program	Santa Clarita Valley Sanitation District	City of Santa Clarita; County of Los Angeles	$1.1M/yr over 3 years (O&M)			◆				◆	X		R1I					b
61	SCVSD-2	Saugus Water Reclamation Plan - Ultraviolet Light Disinfection Facility	Santa Clarita Valley Sanitation District	Castaic Lake Water Agency	$8M-$14M (Capital); $2K/yr for 20 years (O&M)		◆	◆	◆				X		R2I	$ 2,577,624	$ 10,000,000	In Progress		
62	SCVSD-A	Valencia Water Reclamation Plant Ultra Violet (UV) Disinfection System Facilities Project	Santa Clarita Valley Sanitation District	NA	$20,000,000 (Capital)			◆				◆	X		D	$ 5,000,000	$ 10,000,000	In Progress		
63	SCVSD-A	Valencia Water Reclamation Plant Advanced Treatment Project	Santa Clarita Valley Sanitation District	NA	$30.8, with $13.1M in SRF for match, and $7.7M in local match			◆				◆	X		R3I	$ 10,000,000	$ 30,800,000	Not yet started		e
64	SCWD-2	July 2012 Santa Clarita Water Division Water Use Efficiency Strategic Plan Water Use Efficiency Programs	Santa Clarita Water Division	Castaic Lake Water Agency; City of Santa Clarita	$301,930-$2,520,469 (Capital); $62,370-$366,223/yr over 8 years (O&M)	◆		◆	◆			◆	X		R2I	$ 220,500	$ 295,500	In Progress		
65	SCWD-1	Advanced Metering Infrastructure Program	Santa Clarita Water Division	NA	$1M-$10M	◆	◆		◆			◆		X	NYF					
66	SCWD-3	GIS Development and Implementation	Santa Clarita Water Division	NA	$1M-$10M		◆	◆				◆		X	NYF					
67	VWC	SCV Southern End Recycled Water Project	Valencia Water Company	Castaic Lake Water Agency	$4M - $5M	◆	◆		◆					X	NYF					b,d
68	VWC-1	Regional High Resolution GIS Mapping	Valencia Water Company	NA	$100K-$1M				◆					X	NYF					
69	VWC-2	Valleywide Conservation Database	Valencia Water Company	NA	<$100K	◆			◆		◆			X	NYF					
70	VWC-3	Advanced Metering Infrastructure Program	Valencia Water Company	NA	$1M-$10M	◆	◆		◆			◆		X	NYF					
71	VWC-4	CII Consevation Plan	Valencia Water Company	NA	<$100K	◆					◆			X	NYF					

Notes:

(a) R1I = Round 1 Implementation Grant
R1P = Round 1 Planning Grant
R2I = Round 2 Implementation Grant
R2P = Round 2 Planning Grant
R3I = Round 3 (2015) Implementation Grant
D = 2014 Drought Grant
LGA = Local Groundwater Assistance Grant
NYF = Not Yet Funded

(b) Removed from project suite at request of proponent and/or RWMG

(c) Proponent combined projects into 1 overall project

(d) Funding moved from VWC Recycled Water Phase 2C to new combined Saugus Wells Project

(e) Planned for submittal in the 2013 (R3) Solicitation

Attachment F: Documentation of the Incorporation of Stormwater Resources Plan

UPPER SANTA CLARA RIVER
Integrated Regional Water Management

Los Angeles County Flood Control District
Castaic Lake Water Agency
City of Santa Clarita
Santa Clarita Valley Sanitation District
Newhall County Water District
Valencia Water Company
Castaic Lake Water Agency, Santa Clarita Water Division
San Gabriel and Los Angeles Rivers and Mountains Conservancy

June 15, 2016

Heather Merenda
Environmental Services Division
City of Santa Clarita
23920 Valencia Blvd.
Santa Clarita CA 91355

Re: Incorporation of the Upper Santa Clara River Enhanced Watershed Management Plan in the IRWM Plan

Dear Ms. Merenda:

On May 26, 2016, the City of Santa Clarita presented the elements of the Upper Santa Clara River Enhanced Watershed Management Program and Coordinated Integrated Monitoring Plan to the Upper Santa Clara River Integrated Regional Water Management (IRWM) Regional Water Management Group. The presentation explained the documents, and the process required by SB 985 for Storm Water Resource Plans, and requested incorporation of documents into the Upper Santa Clara River IRWM Plan. This request was in accordance with Storm Water Resource Plan Guidelines, as published by the State Water Resources Control Board. At that time, the IRWM Regional Water Management Group agreed to:

- Incorporate the Upper Santa Clara River Enhanced Watershed Management Program and Coordinated Integrated Monitoring Plan into the Integrated Water Management Plan by reference.

- Add Upper Santa Clara River Enhanced Watershed Management Plan and Coordinated Integrated Monitoring Plan as attachment to the Integrated Water Management Plan in the short term.

Sincerely,

Dirk Marks
Water Resources Manager
Castaic Lake Water Agency

Cc: USCR RWMG

Senate Bill No. 985

CHAPTER 555

An act to amend Sections 10561, 10562, 10563, and 10573 of, and to add Sections 10561.5 and 10565 to, the Water Code, relating to stormwater.

[Approved by Governor September 25, 2014. Filed with Secretary of State September 25, 2014.]

LEGISLATIVE COUNSEL'S DIGEST

SB 985, Pavley. Stormwater resource planning.

Existing law, the Stormwater Resource Planning Act, authorizes a city, county, or special district, to develop a stormwater resource plan that meets certain standards.

This bill would authorize one or more public agencies to develop a stormwater resource plan. The bill would expand the standards to include dry weather runoff. This bill would require a stormwater resource plan to be submitted to any applicable regional water management group, to identify and prioritize stormwater and dry weather runoff capture projects for implementation in a prescribed quantitative manner, and to prioritize the use of lands or easements in public ownership for stormwater and dry weather runoff projects. This bill would eliminate the requirement that a stormwater resource plan be consistent with any applicable integrated regional water management plan. This bill would require an entity developing a stormwater resource plan to identify in the plan opportunities to use existing publicly owned lands and easements to capture, clean, store, and use stormwater and dry weather runoff either onsite or offsite. This bill would require the State Water Resources Control Board, by July 1, 2016, to establish guidance for purposes of these provisions. This bill would require the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects from a bond act approved by the voters after January 1, 2014, except as provided. This bill would define dry weather runoff and stormwater for the purposes of the act and conform the definition of stormwater in the Rainwater Capture Act of 2012.

The people of the State of California do enact as follows:

SECTION 1. Section 10561 of the Water Code is amended to read:

10561. The Legislature hereby finds and declares all of the following:

(a) In many parts of the state stormwater and dry weather runoff are underutilized sources of surface water and groundwater supplies. Instead of being viewed as a resource, they are often seen as a problem that must

be moved to the ocean as quickly as possible or as a source of contamination, contributing to a loss of usable water supplies and the pollution and impairment of rivers, lakes, streams, and coastal waters.

(b) Improved management of stormwater and dry weather runoff, including capture, treatment, and reuse by using the natural functions of soils and plants, can improve water quality, reduce localized flooding, and increase water supplies for beneficial uses and the environment.

(c) Most of California's current stormwater drainage systems are designed to capture and convey water away from people and property rather than capturing that water for beneficial uses.

(d) Historical patterns of precipitation are predicted to change and an increasing amount of California's water is predicted to fall not as snow in the mountains, but as rain in other areas of the state. This will likely have a profound and transforming effect on California's hydrologic cycle and much of that water will no longer be captured by California's reservoirs, many of which are located to capture snow melt.

(e) When properly designed and managed, the capture and use of stormwater and dry weather runoff can contribute significantly to local water supplies through onsite storage and use, or letting it infiltrate into the ground to recharge groundwater, either onsite or at regional facilities, thereby increasing available supplies of drinking water.

(f) New developments and redevelopments should be designed to be consistent with low-impact development principles to improve the retention, use, and infiltration of stormwater and dry weather runoff onsite or at regional facilities.

(g) Stormwater and dry weather runoff can be managed to achieve environmental and societal benefits such as wetland creation and restoration, riverside habitats, instream flows, and an increase in park and recreation lands, and urban green space.

(h) Stormwater and dry weather runoff management through multiobjective projects can achieve additional benefits, including augmenting recreation opportunities for communities, increased tree canopy, reduced urban heat island effect, and improved air quality.

(i) Proper planning and implementation is vital to ensure that the water supply and other benefits potentially available through better management of stormwater and dry weather runoff do not come at the expense of diminished water quality.

(j) The capture and use of stormwater and dry weather runoff is not only one of the most cost-effective sources of new water supplies, it is a supply that can often be provided using significantly less energy than other sources of new water supplies.

SEC. 2. Section 10561.5 is added to the Water Code, to read:

10561.5. Solely for the purposes of this part, and unless the context otherwise requires, the following definitions govern the construction of this part:

(a) "Dry weather runoff" means surface waterflow and waterflow in storm drains, flood control channels, or other means of runoff conveyance

produced by nonstormwater resulting from irrigation, residential, commercial, and industrial activities.

(b) "Stormwater" means temporary surface water runoff and drainage generated by immediately preceding storms. This definition shall be interpreted consistent with the definition of "stormwater" in Section 122.26 of Title 40 of the Code of Federal Regulations.

SEC. 3. Section 10562 of the Water Code is amended to read:

10562. (a) One or more public agencies may develop a stormwater resource plan pursuant to this part.

(b) A stormwater resource plan shall:

(1) Be developed on a watershed basis.

(2) Identify and prioritize stormwater and dry weather runoff capture projects for implementation in a quantitative manner, using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.

(3) Provide for multiple benefit project design to maximize water supply, water quality, and environmental and other community benefits.

(4) Provide for community participation in plan development and implementation.

(5) Be consistent with, and assist in, compliance with total maximum daily load (TMDL) implementation plans and applicable national pollutant discharge elimination system (NPDES) permits.

(6) Be consistent with all applicable waste discharge permits.

(7) Upon development, be submitted to any applicable integrated regional water management group. Upon receipt, the integrated regional water management group shall incorporate the stormwater resource plan into its integrated regional water management plan.

(8) Prioritize the use of lands or easements in public ownership for stormwater and dry weather runoff projects.

(c) The proposed or adopted plan shall meet the standards outlined in this section. The plan need not be referred to as a "stormwater resource plan." Existing planning documents may be utilized as a functionally equivalent plan, including, but not limited to, watershed management plans, integrated resource plans, urban water management plans, or similar plans. If a planning document does not meet the standards of this section, a collection of local and regional plans may constitute a functional equivalent, if the plans collectively meet all of the requirements of this part.

(d) An entity developing a stormwater resource plan shall identify in the plan all of the following:

(1) Opportunities to augment local water supply through groundwater recharge or storage for beneficial use of stormwater and dry weather runoff.

(2) Opportunities for source control for both pollution and stormwater and dry weather runoff volume, onsite and local infiltration, and use of stormwater and dry weather runoff.

(3) Projects to reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible.

(4) Opportunities to develop, restore, or enhance habitat and open space through stormwater and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.

(5) Opportunities to use existing publicly owned lands and easements, including, but not limited to, parks, public open space, community gardens, farm and agricultural preserves, schoolsites, and government office buildings and complexes, to capture, clean, store, and use stormwater and dry weather runoff either onsite or offsite.

(6) Design criteria and best management practices to prevent stormwater and dry weather runoff pollution and increase effective stormwater and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development. These design criteria and best management practices shall accomplish all of the following:

(A) Reduce effective impermeability within a watershed by creating permeable surfaces and directing stormwater and dry weather runoff to permeable surfaces, retention basins, cisterns, and other storage for beneficial use.

(B) Increase water storage for beneficial use through a variety of onsite storage techniques.

(C) Increase groundwater supplies through infiltration, where appropriate and feasible.

(D) Support low-impact development for new and upgraded infrastructure and development using low-impact techniques.

(7) Activities that generate or contribute to the pollution of stormwater or dry weather runoff, or that impair the effective beneficial use of stormwater or dry weather runoff.

(8) Projects and programs to ensure the effective implementation of the stormwater resource plan pursuant to this part and achieve multiple benefits. These projects and programs shall include the development of appropriate decision support tools and the data necessary to use the decision support tools.

(9) Ordinances or other mechanisms necessary to ensure the effective implementation of the stormwater resource plan pursuant to this part.

(e) A stormwater resource plan shall use measurable factors to identify, quantify, and prioritize potential stormwater and dry weather runoff capture projects.

SEC. 4. Section 10563 of the Water Code is amended to read:

10563. (a) This part does not interfere with or prevent the exercise of authority by a public agency to carry out its programs, projects, or responsibilities.

(b) This part does not affect requirements imposed under any other law.

(c) (1) The development of a stormwater resource plan and compliance with this part in accordance with Section 10565 shall be required to receive grants for stormwater and dry weather runoff capture projects from a bond act approved by the voters after January 1, 2014.

(2) This subdivision does not apply to either of the following:

(A) Funds provided for the purpose of developing a stormwater resource plan.

(B) A grant for a disadvantaged community, as defined in Section 79505.5, with a population of 20,000 or less, and that is not a copermittee for a municipal separate stormwater system national pollutant discharge elimination system (NPDES) permit issued to a municipality with a population greater than 20,000.

SEC. 5. Section 10565 is added to the Water Code, to read:

10565. By July 1, 2016, the board shall establish guidance for this part that shall include, but is not limited to, the following:

(a) Identifying types of local agencies and nongovernmental organizations that need to be consulted in developing a stormwater resource plan.

(b) Defining appropriate quantitative methods for identifying and prioritizing opportunities for stormwater and dry weather runoff capture projects.

(c) Defining the appropriate geographic scale of watersheds for stormwater resource planning.

(d) Other guidance the board deems appropriate to achieve the objectives of this part.

SEC. 6. Section 10573 of the Water Code is amended to read:

10573. Solely for the purposes of this part, and unless the context otherwise requires, the following definitions govern the construction of this part:

(a) “Developed or developing lands” means lands that have one or more of the characteristics described in subparagraphs (A) to (C), inclusive, of paragraph (4) of subdivision (b) of Section 56375.3 of the Government Code.

(b) “Rain barrel system” is a type of rainwater capture system that does not use electricity or a water pump and is not connected to or reliant on a potable water system.

(c) “Rainwater” means precipitation on any public or private parcel that has not entered an offsite storm drain system or channel, a flood control channel, or any other stream channel, and has not previously been put to beneficial use.

(d) “Rainwater capture system” means a facility designed to capture, retain, and store rainwater flowing off a building rooftop for subsequent onsite use.

(e) “Stormwater” has the same meaning as defined in Section 10561.5.

O

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY
EDMUND G. BROWN JR., Governor

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

SENT VIA EMAIL

July 6, 2018

Mr. Rick Viergutz
Principal Water Resources Planner
Santa Clarita Valley Water Agency
26501 Summit Circle
Santa Clarita, California 91350

Subject: Upper Santa Clara River IRWM Plan Final Review

Dear Mr. Viergutz:

This letter transmits the final review of consistency of the Upper Santa Clara River Integrated Regional Water Management (IRWM) Plan (Plan) with the IRWM Planning Act and the related IRWM Plan Standards contained in the 2016 IRWM Program Guidelines (Guidelines). The Department of Water Resources (DWR) draft review determined the Plan to be consistent with the Guidelines. The draft Plan was then posted on DWR's website from June 4 to July 4 to satisfy the required 30-day public comment period and no comment was received. Therefore, DWR has made the final determination that the Plan is consistent with the Guidelines. The final review is posted on the following link: https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process.

If you have any questions, please contact Ted Daum at (916) 651-9264 or Theodore.Daum@water.ca.gov.

Sincerely,

Carmel Brown, P.E. Chief
Financial Assistance Branch
Division of Integrated Regional Water Management

IRWM Plan Review Form

(Per 2016 Plan Standards)

IRWM Planning Region: Upper Santa Clara River IRWM Plan

Regional Water Management Group: Upper Santa Clara River RWMG

IRWM Plan Title: Upper Santa Clara River IRWM Plan

RESULT: PLAN IS SUFFICIENT

IRWM Plan Standard	Overall Standard Sufficient (yes/no)	One or More Requirement(s) Insufficient
Governance	**Yes**	
Region Description	**Yes**	
Objectives	**Yes**	
Resource Management Strategies	**Yes**	
Integration *	**Yes**	
Project Review Process	**Yes**	
Impact and Benefit	**Yes**	
Plan Performance and Monitoring	**Yes**	
Data Management	**Yes**	
Finance	**Yes**	
Technical Analysis	**Yes**	
Relation to Local Water Planning	**Yes**	
Relation to Local Land Use Planning	**Yes**	
Stakeholder Involvement	**Yes**	
Coordination	**Yes**	
Climate Change	**Yes**	

* If not included as an individual section use Governance, Project Review Process, and Data Management Standards per 2016 Guidelines, p. 52.

Additional Comments:

IRWM PLAN REVIEW FORM

INTRODUCTION

IRWM planning regions must have an IRWM Plan that has been reviewed and deemed consistent with the IRWM Plan Standards by DWR for eligibility to receiving Proposition 1 IRWM Implementation Grant funding. DWR will use this IRWM Plan Standards Review Form, which can be found at the link in Volume 1, Appendix A of the 2016 Guidelines and represented in Table 7 of the Guidelines, to ensure a consistent assessment of whether the 2016 IRWM Guidelines are being addressed in the IRWM Plan. The form contains a checklist for each of the 16 Plan Standards and narrative evaluations where required. The evaluation is pass/fail; there is no numeric scoring. Each Plan Standard is either sufficient or not, based on its associated requirements. Each Standard consists of between one and fifteen requirements. A Yes or No is automatically calculated in each Plan Standard header based on the individual requirement evaluations. In general, a passing score of "C" (i.e. 70% of the requirements for a given Plan Standard) is required for a Standard to pass. Standards with only one or 2 requirements will need one or both of those requirements to pass. Standards with 3 requirements will need at least 2 of the requirements to pass. Standards with 4 or 5 requirements will need at least 3 to pass. Some plan elements are legislated requirements. Such plan elements must be met in order to be considered consistent with plan standards. A summary of the sufficiency of each Standard is automatically calculated on the Standards Summary worksheet. A "No" evaluation indicates that a Standard was not met due to insufficient requirements comprising the Standard. The evaluation for each Plan Standard and any associated insufficiencies is summarized on the Standards Summary page. Additional reviewer comments may be added at the bottom of each standards work sheet.

Note: This review form is meant to be a tool used in conjunction with the 2016 IRWM Guidelines document to assist in the evaluation of IRWM plans. It is not designed to be a substitute for the Guidelines document itself. Reviewers must use the Guidelines in determining plan consistency.

DEFINITION OF TABLE HEADINGS

IRWM Plan Standard: As named in the 2016 IRWM Guidelines.

Overall Standard Sufficient: This field is either "YES" or "NO" and is automatically calculated based on the "Sufficient" column described below. If all fields are "y", the overall standard is deemed sufficient. Any entry other than a "y" in the Sufficient column (i.e. "n", ?, not sure, more detail needed, etc.) results in a NO.

Plan Standard Requirements Which Must Be Addressed: **Fields with a footnote (_) are required by legislation to be included in an IRWM Plan.**

Requirement	Requirements are taken directly from the 2016 IRWM Guidelines.
2016 IRWM Guidelines Source Page(s)	Page(s) in the 2016 IRWM Guidelines which pertain to the Requirement and include the regulatory or other citations where applicable.
Included	Is the Guideline Requirement included in the IRWM Plan? The options are: y = yes, requirement is included in the IRWMP; or n = no, requirement is not included in the IRWMP. If only y or n then presence/absence of the requirement is sufficient for evaluation. If there is a "q" (qualitative) then add a brief narrative, similar to a Grant Application Review public evaluation or supporting information.
Evidence of Plan Sufficiency	
Location of Standard in Grantee IRWM Plan	The page(s) or sections in the IRWM Plan where information on the Requirement can be found. This can be specific paragraphs or entire chapters for more general requirements.
Brief Qualitative Evaluation Narrative	Supporting information for the Requirement if a "q" is in the Included column. This can be just a few sentences or a paragraph and can be taken directly from the IRWM Plan. Comments or supporting information may be entered regardless of whether required.
Sufficient	Is the Guidelines requirement sufficiently represented in the IRWM Plan (y/n).

IRWM Plan Standard: Governance					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
The RWMG and individual project proponents who adopted the Plan"	37	**y/n**	y	Amendment: §1.1	IRWMP Section 1. Introduction Pgs 4-5 lists the RWMG and project proponents who adopted the plan	y
A description of the IRWM governance structure including a discussion of whether or how Native American tribes will participate in the RWMG.	37	**y/n**	y	Amendment: §1.2, §1.3.1; 2014 IRWMP: §1.3.1	§1.2 and §1.3.1 of the Ammendment discuss that tribes will be invited as stakeholders. §1.3.1 in the 2014 IRWMP discusses the governing plan in length	y
A description of how the chosen form of governance addresses and insures:						
Public outreach and involvement processes	37	**y/n/q**	y	2014 IRWMP: Table 1.3-1, Table 1.3-2, §11.3.3,	Table 1.3-1 discusses stakeholder outreach, Table 1.3-2 discusses the roles and responsibilities of the RWMG, §11.3.3 Discusses the various means and public outreach is accomplished.	y
Effective decision making	37	**y/n/q**	y	2014 IRWMP: §1.3, §1.3.1.1	The RWMG is the main decision making body. The RWMG is currently 8 members, but can be as large as 11 members. Decisions are made by consensus, but if necessary each member has one vote, with a simple majority deciding. Stakeholders are included and consulted during the process but do not vote.	y
Balanced access and opportunity for participation in the IRWM process	37	**y/n/q**	y	2014 IRWMP: §1.3, §11.3, §11.3	§1.3 describes the inclusive process used to develop the plan and include stakeholder and public participation. §11.3 includes additional details on DAC, and §11.3-11.4 includes details on environmental justice, Tribal outreach, public, and diverse groups.	y
Effective communication – both internal and external to the IRWM region	37	**y/n/q**	y	2014 IRWMP: Table 1.3-1, §1.3	Table 1.3-1 discusses the internal communication methods used. §1.3.3 describes the external methods used with neighboring IRWM Regions.	y

IRWM Plan Standard: Governance				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Long term implementation of the IRWM Plan	37	y/n/q	Y	2014 IRWMP: Table 1.3-1, §1.3.1.6, §8.5, §8.5.1; Amendment: §5.1.3.2.2	Table 1.3-1 discusses plans to update and amend the plan. §1.3.1.6 discusses long-term funding anticipations. Amendment: §5.1.3.2.2 dicusses regional adaptation strategies to address long-term planning needs as a result of climate change. ""requiring the RWMG members to bear the burden of the cost of the IRWMP program is intended to benefit all stakeholders by allowing everyone's participation and voting at stakeholder meetings without regard to their ability to contribute financially, while still guaranteeing enough funding to implement the IRWMP." "the long term funding strategy for this Region may include requesting contributions from the stakeholders that are not RWMG members."	Y
Coordination with neighboring IRWM efforts and State and federal agencies	37	y/n/q	y	2014 IRWMP: §1.3.3, §11.2	§1.3.3 describes the coordination between neighboring IRWM Regions, and §11.2 describes coordination with state and federal agencies.	y
The collaborative process(es) used to establish plan objectives	38	y/n/q	y	2014 IRWMP: Table 1.3-1, §6.1,	Table 1.3-1 discusses that the IRWMP was devloped through a collaborative, consensus-based process. §6.1 discusses the process by which the Plan's objectives were determined.	y
How interim changes and formal changes to the IRWM Plan will be performed	38	y/n/q	y	2014 IRWMP: §8.5.1.2, §6.1,	§8.5.1.2 states that the plan will be updated a minimum of every five years, §6.1 Discusses the way that the objectives have been changed for the update	y
Updating or amending the IRWM Plan	38	y/n/q	y	Amendment: §1.3; 2014 IRWMP: §8.5.1.2, §7.4	§8.5.1.2 states that the plan will be updated a minimum of every five years.	y

IRWM Plan Standard: Region Description				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
If applicable, describe and explain how the plan will help reduce dependence on the Delta supply regionally.	38	**y/n**	y	2014 IRWMP: Table 8.3-1, §7.3.1		y
Describe watersheds and water systems	38	**y/n**	y	2014 IRWMP: §1.1, §2, §2.1, §2.7, §3		y
Describe internal boundaries	38	**y/n**	y	2014 IRWMP: §1.1, §2		y
Describe water supplies and demands for minimum 20 year planning horizon	38	**y/n**	y	2014 IRWMP: §3.1, Table 3.1-1, §3.3, Table 3.3-1		y
Describe social and cultural makeup,including specific information on DACs and tribal communities in the region and their water challenges.	38	**y/n/q**	y	2014 IRWMP: §2.5, 2.5.3 Amendment: §2.1,	§2.5 describes the social and cultural makeup for the region. §2.5.3 states that no areas in the Region meet the state's definition of a DAC, however both the City of Santa Clarita and the County have identified areas where particular outreach efforts are merited, due either to substandard infrastructure, substandard housing, or similar concerns. §2.1 Describes in detail the Tribe in the area	y
Describe major water related objectives and conflicts **(1)**.	38	**y/n/q**	y	2014 IRWMP: §3.4, §6	Water related conflicts are summarized into themes in §3.4. Water related objectives are described throughout §6 and are highlighted in a list in the gray box on page 167.	y
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	**y/n/q**		2014 IRWMP: §1.1.1, §2.1	§1.1.1, and §2.1 explain the physical and institutional rationale for the regional boundary, and how they need to coordinate with the downstream Region (WCVC) on many overlapping issues.	y
Describe neighboring and/or overlapping IRWM efforts	38	**y/n**	y	2014 IRWMP: §1.3.3		y

IRWM Plan Standard: Region Description					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Explain how opportunitiesare maximized (e.g. people at the table, natural features, infrastructure)for integration of water management activities	38	**y/n**	y	2014 IRWMP: §1.1, §1.2, Figures 1.1-1 and 1.1-2		y
Describe water quality conditions. If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination **(2)**.	38	**y/n**	y	2014 IRWMP: §3.2.2.1, §3.2.4; Amendment: §2.2, Table 3.2-5	§3.2.2.1 Describes water quality testing including aresnic, nitrate, and perchlorate, §3.2.4 describes the results of groundwater quality, §2.2 has updates on perchlorate conditions, Table 3.2-5 discusses the status of wells that tested positive for perchlorate	y
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	**y/n**	y	2014 IRWMP: §5	§5 Discusses climate change in depth.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(3).

(2) Requirement must be addressed per CWC §10541 (e)(14).

IRWM Plan Standard: Plan Objectives				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Through the objectives or other areas of the plan, the 7 items on pg 49 of GL are addressed **(1)**.	49	**y/n**	y	2014 IRWMP: §6		y
Describe the collaborative process and tools used to establish objectives: - How the objectives were developed - What information was considered (i.e., water management or local land use plans, etc.) - What groups were involved in the process - How the final decision was made and accepted by the IRWM effort	48 - 50	**y/n**	y	2014 IRWMP: §6		y
Identify quantitative or qualitative metrics and measureable objectives: Objectives must be measurable - there must be some metric the IRWM region can use to determine if the objective is being met as the IRWM Plan is implemented. Neither quantitative nor qualitative metrics are considered inherently better **(2)**.	49	**y/n/q**	y	2014 IRWMP: Table 6.1-1	Table 6.1-1 lists the objectives followed by the quantitative or qualitative metrics used to determine if the objective is being met as implementation progresses. However, some of the metrics are too broad and should be better defined. For example, "reduce impervious watershed areas" versus "reduce XXX acres of impervious area".	y
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	**y/n/q**	y	2014 IRWMP: §6.1	Developed and prioritized through Stakeholders meetings. It was concluded that the objectives would not be prioritized in this Plan because all objectives are equally important in the Region. "Table 6.1-1 presents the objectives for the Region, the definition of each objective, and proposed means for measuring progress toward achieving each objective as the IRWMP is implemented."	y
Reference specific overall goals for the region: RWMGs may choose to use goals as an additional layer for organizing and prioritizing objectives, or they may choose to not use the term at all.	50	**y/n**	n	N/A	As allowed by the guidelines, the RWMG choose not to use goals as an additional layer for organizing and prioritizing objectives.	y
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	**y/n**	y	2014 IRWMP: §5, Table 5.1-4, Figure 5.1-3, Table 5.1-4, Amendment §3.1	§5.1.2.1 and on addresses climate change projections, including details on runoff and recharge Table 5.1-2 provides a summary list of water-related resources that are considered important in the Region and potentially sensitive to future climate change. Figure 5.1-3 shows projected annual precipitation for USCR region. Table 5.1-4 summarizes the climate change vulnerability based on the results of the vulnerability assessment	y

IRWM Plan Standard: Plan Objectives				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	y/n	y	2014 IRWMP: §5, §5.1.3.2.9, Table 5.1-4, Amendment §3.1	§5.1.2.1 and on addresses climate change projections, including details on sea level rise. §5.1.3.2.9 details specifics on sea level rise. Table 5.1-4 summarizes the climate change vulnerability based on the results of the vulnerability assessment	y
Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	y/n	y	2014 IRWMP: §5.1.1.1.3, §5.1.1.2, §6.2.7; Amendment: §3.2, Table 6.1-1	§5.1.1.1.3 discusses AB 32 and the scoping plan to enahance energy efficiency, §5.1.1.2 goes into detail about reducing energy consumpton, §6.2.7 mentions that stakeholders have a goal to promote projects and actions that reduce GHG emissions Amendment §3.2 adds to the prior section on implementing green infrastructure projects. Table 6.1-1 has more information on promoting projects that reduce GHG emissions	y
In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan1.	39	y/n	y	2014 IRWMP: §5.1.1.1.3; Amendment §3.3	§5.1.1.1.3 discusses AB 32 and the scoping plan to enahance energy efficiency. Amendment §3.3 adds to the section listed prior	y
Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	39	y/n	y	2014 IRWMP: §5, §6.2.7, Table 6.1-1; Amendment §3.2	§5 details many plans that promote the use of renewable energy. Table 6.1-1 and §6.2.7 mention that stakeholders have a goal to promote projects that use renewable energy. Amendment §3.2 adds to the prior section on implementing green infrastructure projects that sequester carbon	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (c).

(2) Requirement must be addressed per CWC §10541 (e).

IRWM Plan Standard: Resource Management Strategies (RMS)				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Address which RMS will be implemented in achieving IRWM Plan Objectives **(1)**.	39	**y/n**	y	2014 IRWMP: §7.3		y
Identify RMS incorporated in the IRWM Plan: Consider all California Water Plan (CWP)RMS criteria (29) listed in Table 3 from the CWP Update 2013	39	**y/n**	y	2014 IRWMP: §7.1, §7.2, §7.3; Amendment: §4.1.	§7.1, 7.2, and 7.3 details the 27 RMS in the CA water plan, and how Stakeholders have built upon the resource management strategies in the CA water plan. §4.1 added new RMS from CA Water Plan 2013.	y
Consideration of climate change effects on the IRWM region must be factored into RMS. Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific climate change impacts. •Demonstrate how the effects of climate change on its region are factored into its RMS. •Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. • An evaluation of RMS and other adaptation strategies and ability of such strategies to eliminate or minimize those vulnerabilities, especially those impacting water infrastructure systems **(2)**.	39	**y/n**	y	2014 IRWMP: §7.3, §5, Amendment §4.2	§7.3 discusses the objectives that relate to multiple RMS, including adaptation to climate change and actions to reduce greenhouse gases §5 Goes into great detail about climate change	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (e)(1).

(2) Requirement must be addressed per CWC §10540 (e)(10).

IRWM Plan Standard:Integration					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contains structure and processes for developing and fostering integration[1]: - Stakeholder/institutional - Resource - Project implementation	39	y/n/q	y	2014 IRWMP: §7.4, §8.1, Table 8.1-1, §8.5, §11.1.2, §11.2	Section 8.1 describes how the project prioritization process provided stakeholders and project proponents an opportunity to integrate projects. Table 8.1-1 shows how the project review and ranking criteria included an "integration of multiple RMS" component. Section 8.2 describes the integration of water management strategies. Section 8.5.1.1 describes the RWMG expectation for stakeholders and project proponents, which include "Seek opportunities to integrate, where possible and practical, IRWM Plan Projects in the database in order to most-efficiently achieve the regional objectives."	y

1. If not included as an individual section use Governance, Project Review Process, and Data Management Standards per 2016 IRWM Guidelines, p. 52.

IRWM Plan Standard: Project Review Process				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Process for projects included in IRWM plan must address 3 components: - procedures for submitting projects - procedures for reviewing projects - procedures for communicating lists of selected projects	39 - 40	**y/n**	y	2014 IRWMP: §8, Attachment E		y
Does the project review process in the plan incorporate the following factors:						
How a project contributes to plan objectives	40	**y/n**	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
How a project is related to Resource Management Strategies identified in the plan.	40	**y/n**	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
The technical feasibility of a project.	40	**y/n**	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
A projects specific benefits to a DAC water issue.	40	**y/n**	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Environmental Justice considerations.	40	**y/n**	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y

IRWM Plan Standard: Project Review Process				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Project costs and financing	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Address economic feasibility	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Project status	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Strategic implementation of plan and project merit	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Status of the Project Proponent's IRWM plan adoption	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	y/n	y	2014 IRWMP: §8.1, Table 8.1-1, Table 8.1-2, Attachment E		y

IRWM Plan Standard: Project Review Process				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
From IRWM 2016 Guidelines	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Project's contribution to climate change adaptation. •Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary **(1)**. •Consider the contribution of the project to adapting to identified system vulnerabilities to climate change effects on the region. •Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge. •Consider the effects of SLR on water supply conditions and identify suitable adaptation measures.	40	**y/n**	y	Attachment E (Project Information Form), Amendment §6.1	Amendment §6.1 desribes how this amendment updates the project's contribution to climate change adaptation. Included in Attachment E is a guidance document for Stakeholders for completing the form	y
Contribution of project in reducing GHGs compared to project alternatives. •Consider the contribution of the project in reducing GHG emissions as compared to project alternatives •Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. •Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	40	**y/n**	y	Attachment E (Project Information Form); Amendment §6.2	Amendment §6.2 provides a discussion of the reduction in energy consumption, energy embedded in water use, and ultimately the potential to reduce GHG emissions within the Region. Included in Attachment E is a guidance document for Stakeholders for completing the form	y
Specific benefits to critical water issues for Native American tribal communities.	53	**y/n**	y	Attachment E (Project Information Form), Amendment: §6.3	Amendment §6.3 The Project Submission Form has been updated to allow a Stakeholder to identify whether a project may address a Disadvantaged Community, Tribal Community, or Environmental Justice concern and also provides links to more information to assist with this decision-making process. Included in Attachment E is a guidance document for Stakeholders for completing the form	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10540 (e)(10).

IRWM Plan Standard: Impact and Benefit				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Discuss potential impacts and benefits of plan implementation within IRWM region, between regions, with DAC/EJ concerns and Native American Tribal communities	40	**y/n**	y	2014 IRWMP: Table 8.3-1		y
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity)	55	**y/n**	y	2014 IRWMP: §8.4		y
Review and update the impacts and benefits section of the plan as part of the normal plan management activities	55 - 56	**y/n**	y	2014 IRWMP: §10.2.4, Table 1.3-1		y

IRWM Plan Standard: Plan Performance and Monitoring				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contain performance measures and monitoring methods to ensure that IRWM objectives are met **(1)**.	40	**y/n**	y	2014 IRWMP: §10.2.5, Table 10.2-2		y
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	**y/n**	y	2014 IRWMP: §10.2.6, Table 10.2-3		y
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	**y/n**	y	2014 IRWMP: §10, §10.2.4; Amendment: Table 10.2-2	Amended Table 10.2-2 states that it is required that all IRWMP projects comply with all applicable rules, laws, and permit requirements. §10 examines monitoring, ongoing data management, and plan performance during implementation, and describes how performance data will be used to improve future versions of the IRWMP. §10.2.4 specifically identifies how IRWMP projects will be reviewed and evaluated on a regular basis to ensure that current plan objectives will be met, and that corrective actions will be taken if they are not.	y
Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM plans accordingly.	40	**y/n**	y	2014 IRWMP: Section 5.1.4	§5.1.4 details the steps for future IRWMP updates, and the tools that will be used as further data is collected	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(7).

IRWM Plan Standard: Data Management				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Describe data needs within the IRWM region	59 - 60	**y/n**	y	2014 IRWMP: §10.1.2, Table 10.1-1		y
Describe typical data collection techniques	59 - 60	**y/n**	y	2014 IRWMP: §10.2, Table 10.2-1		y
Describe stakeholder contributions of data to a data management system	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y
Describe the entity responsible for maintaining data in the data management system	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y
Describe the QA/QC measures for data	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y
Explain how data collected will be transferred or shared between members of the RWMG and other interested parties throughout the IRWM region, including local, State, and federal agencies **(1)**.	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y
Explain how the Data Management System supports the RWMG's efforts to share collected data	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y
Outline how data saved in the data management system will be distributed and remain compatible with State databases including CEDEN, Water Data Library (WDL), CASGEM, California Environmental Information Catalog (CEIC), and the California Environmental Resources Evaluation System (CERES).	59 - 60	**y/n**	y	2014 IRWMP: Table 10.2-1		y

(1) Requirement must be addressed per CWC §10541 (e)(12).

IRWM Plan Standard: Finance				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Include aprogrammatic level (i.e. general) plan for implementation and financing of identified projects and programs **(1)** including the following:	41	**y/n**	y	2014 IRWMP: §9		y
List known, as well as, possible funding sources, programs, and grant opportunities for the development and ongoing funding of the IRWM Plan.	41	**y/n**	y	2014 IRWMP: §9, Table 9.1-1, Table 9.1-2		y
List the funding mechanisms, including water enterprise funds, rate structures, and private financing options, for projects that implement the IRWM Plan.	41	**y/n**	y	2014 IRWMP: §9, Table 9.1-2		y
An explanation of the certainty and longevity of known or potential funding for the IRWM Plan and projects that implement the Plan.	41	**y/n**	y	2014 IRWMP: §9, Table 9.1-2		y
An explanation of how operation and maintenance (O&M) costs for projects that implement the IRWM Plan would be covered and the certainty of operation and maintenance funding.	41	**y/n**	y	2014 IRWMP: §9, Table 9.1-2		y

(1) Requirement must be addressed per CWC §10541 (e)(8).

IRWM Plan Standard: Technical Analysis					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Document the data and technical analyses that were used in the development of the plan **(1)**.	41	**y/n**	y	2014 IRWMP: §10.1		y

(1) Requirement must be addressed per CWC §10541 (e)(11).

IRWM Plan Standard: Relation to Local Water Planning					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Identify a list of local water plans used in the IRWM plan	41	y/n	y	2014 IRWMP: §10.1.1		y
Describe the dynamics between the IRWM plan and other planning documents	41	y/n	y	2014 IRWMP:§11.1.1, §10.1		y
Describe how the RWMG will coordinate its water mgmt planning activities	41	y/n	y	2014 IRWMP: §1.3.1, §10.2		y
Discuss how the plan relates to these other planning documents and programs. Same as 2012 GL with the following addition: "It should be noted that Water Code § 10562 (b)(7) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans." Minor wording differences - e.g. Groundwater Sustainability Plan example in the 2016 Guidelines instead of Groundwater Management Plan in the 2012 Guidelines.	63 - 64	y/n	y	Amendment Section §12.1, Attachment F	Amendment §12.1 updatedthe 2014 IRWMP with information relating to the adoption and incorporation of the regional Stormwater Resources Plan as well as recent updates relating to the formation of a Groundwater Sustainability Agency and proposed development of a Groundwater Sustainability Plan per the 2014 Sustainable Groundwater Management Act. Attachment F references the stormwater resource plan	y
Consider and incorporate water management issues and climate change adaptation and mitigation strategies from local plans into the IRWM Plan.	63 - 64	y/n	y	2014 IRWMP: §11.1.1	§11.1.1 describes the linkages and dynamics between the IRWMP and local planning. The IRWMP has drawn heavily on existing planning documents and planning programs of local agencies	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

IRWM Plan Standard: Relation to Local Land Use Planning					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Document current relationship between local land use planning, regional water issues, and water management objectives	41	y/n	y	2014 IRWMP: §11.1.1		y
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	41	y/n	y	2014 IRWMP: §11.1.2		y
Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to climate change, and potentially offset climate change impacts to water supply in California.	41	y/n	y	2014 IRWMP: §11.1.1; Amendment: §13.1	§11.1.1 describes the linkages and dynamics between the IRWMP and local planning. The IRWMP has drawn heavily on existing planning documents and planning programs of local agencies. Amendment §13.1 updated the prior section to include specifics on the communication with regional areas	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

IRWM Plan Standard: Stakeholder Involvement				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Discuss involvement of DACs and tribal communities in the IRWM planning effort	41 - 42	y/n	y	2014 IRWMP: §2.5.3, §11.3, §11.3.2		y
Describe decision-making process and roles that stakeholders can occupy	41 - 42	y/n	y	2014 IRWMP: Table 1.3-2, §1.3.2.1.7		y
Discuss how stakeholders are necessary to address objectives and RMS	41 - 42	y/n	y	2014 IRWMP: Table 1.3-2, §1.3.2.2, §1.3.2.3		y
Discuss how a collaborative process will engage a balance in interest groups	41 - 42	y/n	y	2014 IRWMP: §11.3.3, 11.3.4, §1.3		y
Contain a public process that provides outreach and opportunity to participate in the IRWM plan **(1)**. Per 2016 GL: "Native American tribes – It should be noted that tribes are sovereign nations, and as such coordination with tribes is on a government-to-government basis."	41 - 42	y/n	y	2014 IRWMP: §11.3, §11.3.2; Amendment: §14.1	§11.3 Describes DAC outreach, and §11.3.2 provides specifics on Tribe outreach. §14.1 added more information to the prior sections, such as meetings that were had identifying where to go in the future to improve resources for these communities.	y
Identify process to involve and facilitate stakeholders during development and implementation of IRWM plan regardless of ability to pay; include description of any barriers to involvement **(2)**. "Stakeholder Involvement" in the 2012 GL is referred to "Native American Tribe and Stakeholder Involvement" in the 2016 GL and Tribes are referred to specifically.	41 - 42	y/n	y	2014 IRWMP: §11; Amendment: §14.2	§11 of the 2014 IRWMP Update discusses how the local planning entities, State and Federal Agencies, DACs, Native American Tribes, and the general public are encouraged to participate in the IRWMP. §11.3.3 includes a listing of how public outreach should be accomplished, and how the intent will continue to be the involvement of all people and agencies that have an interest in water resources. The implemented outreach efforts described in the IRWMP encourage involvement of diverse groups and outreach to new interested parties. Outreach specific to Native American Tribes is further addressed in this Amendment §14.1.	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 IRWM Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (g).

(2) Requirement must be addressed per CWC §10541 (h)(2).

IRWM Plan Standard: Coordination					Overall Standard Sufficient	Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	
Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies **(1)**.	42	**y/n**	y	2014 IRWMP: §11.1.2, Table 1.3-1		y
Identify neighboring IRWM efforts and ways to cooperate or coordinate, and a discussion of any ongoing water management conflicts with adjacent IRWM efforts	42	**y/n**	y	2014 IRWMP: §1.3.3, Table 1.3-1		y
Identify areas where a state agency or other agencies may be able to assist in communication or cooperation, or implementation of IRWM Plan components, processes, and projects, or where State or federal regulatory decisions are required before implementing the projects.	42	**y/n**	y	2014 IRWMP: §11.2		y

(1) Requirement must be addressed per CWC §10541 (e)(13).

IRWM Plan Standard: Climate Change				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Contain a plan, program, or methodology for further data gathering and analysis of prioritized vulnerabilities.	42 - 44	**y/n**	y	2014 IRWMP: §5.1.4		y
Include climate change as part of the project review process.	42 - 44	**y/n**	y	2014 IRWMP: Table 8.1-1		y
Evaluate IRWM region's vulnerabilities to climate change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning **(1)**. Addition in 2016 GL - "At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B."	42 - 44	**y/n**	y	2014 IRWMP: §5.1, Table 5.1-4	§5.1 Goes into great detail about vulnerability to climate change and adaptation responses. Table 5.1-4 specifically summarizes the climate change vulnerability based on the results of the vulnerability assessment.	y
Provide a process that considers GHG emissions when choosing between project alternatives **(1)**. Addition in 2016 GL - "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives."	42 - 44	**y/n**	y	2014 IRWMP: §2.3.1.1, §5; Amendment: §16.1	§2.3.1.1 provides a discussion of the City of Santa Clarita Climate Action Plan which assists in evaluating and assessing the impact from GHG emissions. §5 provides multiple resources that Stakeholders can use to help determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives	y
Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process. Addition in 2016 GL - "A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities."	42 - 44	**y/n**	y	2014 IRWMP: §5.1.2, §5.1.2.4, Table 5.1-4; Amendment: §3.1	§5.1.2 Identifies the potential climate change vulnerabilities of the Region's water resources. Table 5.1-4 summarizes the climate change vulnerability based on the results of the vulnerability assessment. §5.1.2.4 discusses a list of prioritized vulnerabilities and stakeholder input on the importance of these sectors to the Region.	y
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	42 - 44	**y/n**	y	2014 IRWMP: §5, Attachment E; Amendment §3.1, §6.1	Amendment §3.1 and §6.1 describes how this amendment updates §5 the project's contribution to climate change adaptation ni terms of runoff and recharge. Included in Attachment E is a guidance document for Stakeholders for completing the form	y

IRWM Plan Standard: Climate Change				Overall Standard Sufficient		Yes
Requirement		Included		Evidence of Plan Sufficiency		Sufficient
IRWM 2016 Guidelines Requirement	IRWM 2016 Guidelines Page Number	y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Location of Standard in Grantee IRWM Plan	Brief Qualitative Evaluation	y/n
Areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	42 - 44	**y/n**	y	2014 IRWMP: §3.3.2, §5, Table 5.1-2, §5.1.3.2.9; Amendment: §3.1	§3.3.2 Mentions SLR can have an impact on the Delta §5 goes into great detail on climate change including multilpe references to SLV. §5.1.3.2.9 specifically addresses SLR. Table 5.1-2 discusses that the Region is not directly subject to sea level rise. However, potential effects of sea level rise would affect SWP water supply conditions. As sea level rise is not a direct regional concern, it is not discussed further in this vulnerability assessment. Ammendment §3.1 discusses SLR	y

IRWM Plan Standard Requirements for 2016 IRWM Guidelines in Addition to Previously Required 2012 Guideline Requirements. See Appendix H in IRWM 2016 Guidelines.

(1) Requirement must be addressed per CWC §10541 (e)(9).