

SENT VIA EMAIL

June 4, 2018

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

Subject: Plan Review Process: Upper Santa Clara River 2016 Plan Draft Review

Dear Mr. Viergutz:

Enclosed please find the Department of Water Resources (DWR) Draft Review of the Upper Santa Clara River Integrated Regional Water Management Plan (Plan). DWR has determined that your Plan is consistent with the IRWM Planning Act and the related IRWM Plan Standards contained in the 2016 IRWM Grant Program Guidelines. Pursuant to Volume 2, Section IV of the Guidelines the public comment period for this review will begin on June 4, 2018. The Draft Review will be available for public comments for 30 calendar days on the following website:
<https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>.

The Draft Review consists of a summary of the overall review and an individual review form for each of the 16 Plan Standards. On the individual review forms locations in the plan are noted for applicable material. Although they may be found elsewhere in the plan, these are the locations of the requirements used to show sufficiency with a given standard.

We will inform you of any comments received. After the public comment period ends the link to the draft review will become inactive on the website. DWR will consider comments and if necessary work with you on any follow up action before finalizing the review and posting on our website.

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

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	
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 discusses 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 developed 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 opportunities are 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 arsenic, 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 enhance energy efficiency, §5.1.1.2 goes into detail about reducing energy consumption, §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 enhance 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	
Requirement		Included		Evidence of Plan Sufficiency	Yes
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	Sufficient
				Brief Qualitative Evaluation	y/n
Contains structure and processes for developing and fostering integration ¹ : <ul style="list-style-type: none"> - 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
<p>Project's contribution to climate change adaptation.</p> <ul style="list-style-type: none"> • 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 describes 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
<p>Contribution of project in reducing GHGs compared to project alternatives.</p> <ul style="list-style-type: none"> • 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
<p>Specific benefits to critical water issues for Native American tribal communities.</p>	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	
Requirement		Included		Evidence of Plan Sufficiency	Yes
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	Sufficient
				Brief Qualitative Evaluation	y/n
Include a programmatic 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).

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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 updated the 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 in 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 multiple 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. Amendment §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).